The American Home

10¢

2399

June 1937

"MOTHER, I KNOW HOW TO SPELL TOWEL . . . LISTEN C-A-N-N-O-N"

Cannon Towels

TRADE MARK MADE IN U.S.A. CANNON COLOR GUARANTEED FAST

THE FIRST NAME IN TOWELS IS THE LAST WORD IN SHEETS

CANNON TOWELS are the constant companions of young America, rich and poor alike. Mothers appreciate their soft texture, their gentle efficiency, their long and faithful service. They know how nicely they launder, how fresh and soft and clear-colored they remain after years of use, how staunchly they resist the punishment growing youngsters give them.

And your choice is so easy, always. There are Cannon towels to suit every person and every purpose — at any one's price (29c to $2 each in bath towel sizes). Cannon's largest volume means *widest* variety and *greatest value*. To get for-the-money in towel ways find the Cannon lab guides you straight to the Buys in town. . . . Cannon Inc., New York City.

The Cannon towels shown above are regularly priced from about 59c to $1.50 each. Other styles (left) from about 39c to $1.25. Still others, about 29c to $2. All are BEST BUYS.

P. S. Cannon makes three Choice sheets—Cannon M about $1.35; Cannon Utility cale, about $1.85; Cannon Quality Percale, about $2.50- the best buy in its price clas

JEAN: *Last year she couldn't get a date—now look at her!*

MARGE: *Somebody must have told her what her trouble* was.*

* There's nothing like LISTERINE to check halitosis *(unpleasant breath)*, the unforgivable social fault

Forgotten Women

by DORIS KAY

I SEE them every day . . . dozens of them . . . women—young women—who are simply forgotten in the social scheme of things.

They are seldom invited out and when men *do* call they rarely call again. When a frantic cry goes out for a fourth at bridge or when someone is needed to fill in at a dinner party, they are usually the last person the hostess thinks about. Why is it? Not because they are dull; I've seen many a witty woman who didn't get around much. Not because they are plain; some of the prettiest young girls are the least popular. Not because they are fat or old; I've known women heavy as trucks and grey as beavers but still greatly sought after. What then is the reason?

Nine times out of ten, these forgotten girls are not fastidious about the condition of their breath—and if there's one thing for which others drop a woman or a man it is halitosis (bad breath).

How silly a woman is to permit such a humiliating condition to exist when the fault can usually be remedied so easily and so pleasantly with an agreeable deodorant such as Listerine Antiseptic used twice daily as a mouth wash.

KEEP YOUR BREATH BEYOND SUSPICION with LISTERINE

Almost everyone has halitosis (bad breath) at some time or other without realizing it. And it is the unforgivable social fault. People simply don't want you around when you offend this way. Why take a chance? Why risk unpopularity when it is so easy to correct this humiliating condition. Do not rely on harsh bargain mouth washes, some of which are entirely devoid of deodorant effect. Just trust to Listerine Antiseptic, the quick, pleasant deodorant which strikes at fermentation, the major cause of odors, then overcomes the odors themselves.

LAMBERT PHARMACAL CO. • *St. Louis, Mo.*

the quick deodorant

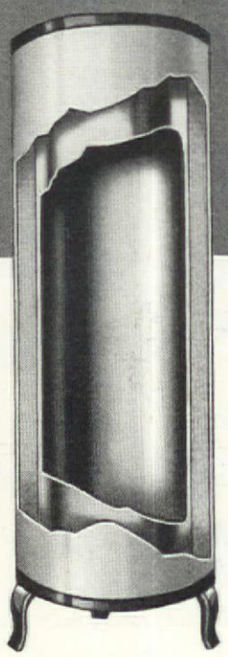
Let *your* water tank be non-rust EVERDUR*

...Anaconda's copper-silicon metal

LAUNDRIES can take no chances with rust! No wonder EVERDUR Metal is so popular for their large storage water heaters.

Remember that thousands of home-owners, too, are saving money with tanks of this same strong, non-rust Anaconda metal. An Everdur tank gives rust-free hot water indefinitely—with never a cent for repair or replacement expense due to rust.

This superior tank metal is used by 53 leading manufacturers of automatic heaters and storage tanks (range boilers). Ask your utility company or plumbing contractor about hot water equipment of rustproof EVERDUR. 37104-A



FREE! "Copper, Brass and Bronze in the Home" tells how to rustproof your home at low cost. Send for a copy.

***P. S.** Don't forget that Anaconda Copper Tubes for hot and cold water and heating lines cost very little more than pipe that rusts.*

ANACONDA
from mine to consumer

*EVERDUR is a trade-mark of The American Brass Company registered in the United States Patent Office.

Everdur Metal

RUSTLESS AS COPPER...STRONG AS STEEL

THE AMERICAN BRASS CO., General Offices: Waterbury, Conn.
Offices and Agencies in Principal Cities. In Canada: Anaconda American Brass Ltd., New Toronto, Ont.

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While every precaution is taken to insure accuracy, we cannot guarantee against the possibility of an occasional change or omission in the preparation of this index.

THE AMERICAN HOME, June, 1937. Published monthly. Vol. XVIII, No. 1. Published by the Country Life-American Home Corp., 444 Madison Ave., New York, N. Y. Subscription price $1.00 a year. Foreign $2.00. Entered as second class matter December 31, 1935, at the post office at New York, N. Y., under act of Congress, March 2, 1879.

500 MILES A WEEK PROVES PLYMOUTH "BEST" FOR GIRL BAND-LEADER

The Car that Stands Up Best— ***Plymouth Comes through for Miss Beth Hower, Director of Public School Bands...Defies Cloudburst Flood...Delivers 21 Miles to Gallon on Gas...Saves Money all ways!***

Women everywhere Agree the 1937 Plymouth is Greatest of them all

AN IOWA CLOUDBURST forced Miss Hower to drive her Plymouth—towing another car behind it—through water that actually flowed *over* the floor-boards!

"But my car ran perfectly," she says. "Besides that, it's easy to handle...and I've *never* had any real upkeep expense!"

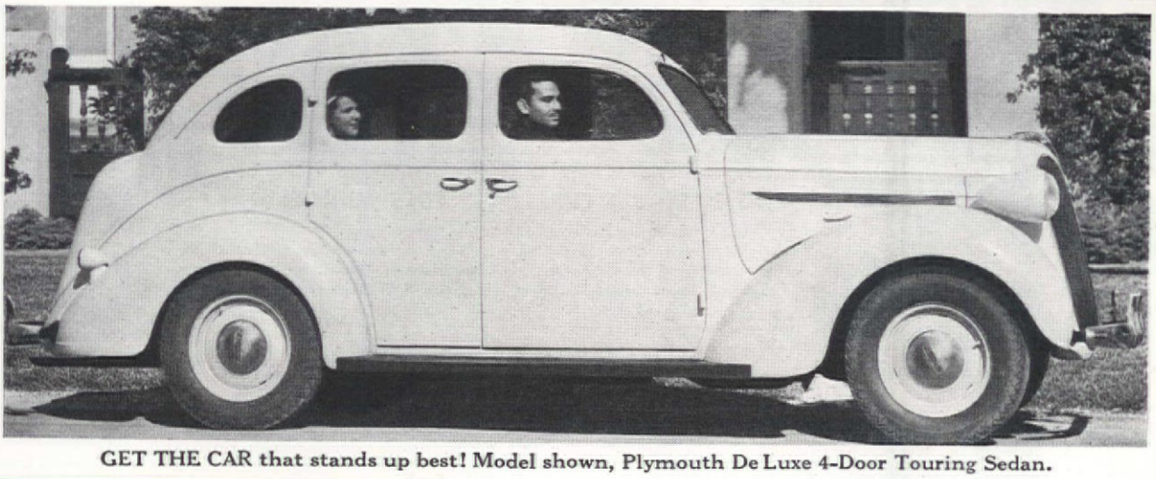
Everywhere, women—and *all* owners—are finding even *greater* economy...*greater* comfort...in the big 1937 Plymouth.

New sound-proofing keeps out noise. Airplane-type shock-absorbers and rubber body mountings stop bounce and vibration.

For your safety, an all-steel body...smooth, *double-action* hydraulic brakes.

Owners report 18 to 24 miles per gallon... lowest oil consumption and lowest upkeep costs of any full-powered car!

In fairness to yourself, see Plymouth's *extra value!* PLYMOUTH DIVISION OF CHRYSLER CORPORATION, Detroit, Mich.



GET THE CAR that stands up best! Model shown, Plymouth De Luxe 4-Door Touring Sedan.

"NO OTHER CAR I know of stands up as well," says Miss Hower, Lanark, Ill.

STILL AMONG THE LOWEST PRICED

You'll find Plymouth offers very convenient terms. You can buy a big, new Plymouth on remarkably low monthly payments. The Commercial Credit Company has made available, through Chrysler, DeSoto and Dodge dealers—terms which will fit your budget...and make it easy to buy a new Plymouth today!

PLYMOUTH BUILDS GREAT CARS

NOW SCIENCE ACHIEVES COMPLETE FOOD PROTECTION

In New Air-Conditioned *Ice* Refrigerator

A Beautiful 1937 AIR-CONDITIONED *Ice* REFRIGERATOR like this
Only $79.50 F.O.B. FACTORY
ON EASY TERMS
OTHER STYLES AND SIZES
$29.50 to $94.50
F. O. B. FACTORY
ASK YOUR ICE SERVICE MAN ABOUT
FREE TRIAL OFFER

BY unceasing research and experimentation refrigeration has been brought to its *third*—and perhaps its final stage. First came the old-fashioned wooden "ice box". Next, the mechanical refrigerator. Now comes the air-conditioned ICE refrigerator—a remarkable scientific achievement—resulting in *complete* food protection.

You have never before seen a refrigerator like this—a refrigerator which does *more* than keep foods cold. It uses *ice* in an entirely *new way* to give a constant circulation of *properly moist, clean-washed air* which preserves all the natural goodness in the foods you buy...keeps them from rapid drying out...guards them against the mingling of food flavors. Everything stays fresher, tastes better in this astonishing new *air-conditioned* ICE refrigerator.

There is nothing to get out of order in the non-mechanical ICE refrigerator...no noise...no defrosting. It is built for a lifetime of economical, trouble-free service. It uses so little ice that a single servicing lasts four to seven days. And its gleaming white beauty will bring new attractiveness to any kitchen, however fine.

There is no reason why you should wait to give your family the safety and economy of *complete*, modern food protection. The amazing new air-conditioned ICE refrigerator costs remarkably little—only about a third to a half as much as any other type—and can be bought on easy terms, if you wish. It pays for itself in the food and ice it saves.

Learn all about this remarkable new air-conditioned ICE refrigerator. Talk to your Ice Service Man—or 'phone your local Ice Company. Arrange to have one delivered to your home on *free trial*.

LEFT-OVERS KEEP BETTER

In the modern ICE refrigerator, left-overs do not dry out and go stale—or absorb the flavor of other foods.

REAL ICE CREAM

No trouble at all to make; it's prepared in just a few minutes...ready to serve in less than an hour...pure, rich, velvet-smooth...delicious.

TASTE-FREE ICE CUBES IN 3 TO 5 MINUTES!

You'll be delighted with the simple little accessory which gives you all the ice cubes you want, when you want them—pure, hard-frozen and crystal-clear. No fear of running short when you have a modern ICE refrigerator.

MARKET LESS OFTEN ...BUY IN LARGER QUANTITIES...

Vegetables stay so garden fresh and meats so juicy and full-flavored in an air-conditioned ICE refrigerator that you can buy in larger quantities with perfect confidence ...and take full advantage of "specials"...you save both time and money.

FACTS: Here is a fact which we think should interest all housewives. A test by the U.S. Dept. of Agriculture (Bulletin 1228) shows that the rate of bacteria growth in beef refrigerated for 72 hours at a temperature of 45 degrees is *fourteen* times as great when kept covered as when left *uncovered.*

Remember, in the modern air-conditioned ICE refrigerator meat or any other food need not be covered to protect it from rapid drying out or exchanging flavors. Thus there is less risk of spoilage.

Remember – Cold ALONE *is not enough!*

CERTIFIED ICE INDUSTRIES MEMBER

This emblem is a mark of efficiency and quality—a sign of purity and service.

This advertising is sponsored by the country's leading Ice and Ice Refrigerator Companies. National Ice Headquarters, 228 N. La Salle St., Chicago, Illinois

Dorothy Perkins rose arbor in the garden of Mrs. W. J. Evans, Western Springs, Illinois

Home of Mr. Arthur L. Brown, Stony Brook, Long Island

Garden of Mr. and Mrs. Roger P. Towne, South Acton, Massachusetts

Home of Judge and Mrs. Charles W. Small, Meredith, New Hampshire

Home of Mrs. Joseph Janka, Parma Heights, Ohio

Pool of Mr. and Mrs. M. Sterling Wigren, Teaneck, New Jersey

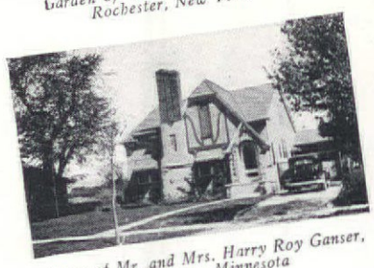
Home of Mr. and Mrs. D. L. Palmer, Otsego, New York

Home of Mrs. Louis Cutlar, Marion, North Carolina

Home of Mr. and Mrs. Krit, Tulsa, Oklahoma

Garden of Mrs. C. A. Nachman, Rochester, New York

Home of Mr. and Mrs. George S. Landis, Dauphin, Pennsylvania



Home of Mr. and Mrs. Harry Roy Ganser, Owatonna, Minnesota

Home of Mr. and Mrs. Russell W. Fowler, Madison, Wisconsin

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THE AMERICAN HOME, June, 1937. Vol. XVIII, No. 1. Published monthly by the Country Life-American Home Corporation, W. H. Eaton, President-Treasurer, Henry L. Jones, Vice-President, Jean Austin, Secretary. Executive, Editorial and Advertising headquarters, 444 Madison Avenue, New York. Subscription Department, 251 Fourth Avenue, New York. Branches for advertising only: 248 Boylston Street, Boston, Mass.; Peoples Gas Building, Chicago, Ill.; A. D. McKinney, 915 Olive St., St. Louis, Mo.; W. F. Coleman, Henry Building, Seattle, Wash.; W. F. Coleman, 111 Sutter Street, San Francisco, Calif.; W. F. Coleman, 903 Union Bank Building, Los Angeles, Calif. Copyright, 1937, by the Country Life-American Home Corporation. All rights reserved. Title registered in U. S. Patent Office. Subscription price $1.00 a year. Foreign $2.00. Entered as second class matter December 31, 1935, at the Post office at New York, N. Y., under act of Congress, March 2, 1879.

As charming as an English countryside is the setting for the home of Dr. and Mrs. Francis F. Harrison at Cooperstown, N. Y.

GREVILLE RICKARD, *architect.* WILLIAM F. DREWRY, JR., *associate.*

"Perfect Temperature at 20 below"

SAYS MRS. CARLOTTA CREEVEY HARRISON OF COOPERSTOWN, NEW YORK

FIRST FLOOR

SECOND FLOOR

"With the principal rooms out of sight of the hospital." Like all "New American" Homes, this house was planned from the inside out, for maximum comfort, light and air.

"IT was lots of fun planning and furnishing our Cooperstown home. And what problems the architect had to solve!

"First, of course, there were the needs of my doctor-husband. He wanted a home near the hospital. I wanted it different in architecture from that of the hospital. He wanted a separate study which could be used as an office, for his private practice. I wanted the principal rooms out of sight of the hospital windows. We both wanted a living room with the minimum of exposure. For the winters in Cooperstown are often severe.

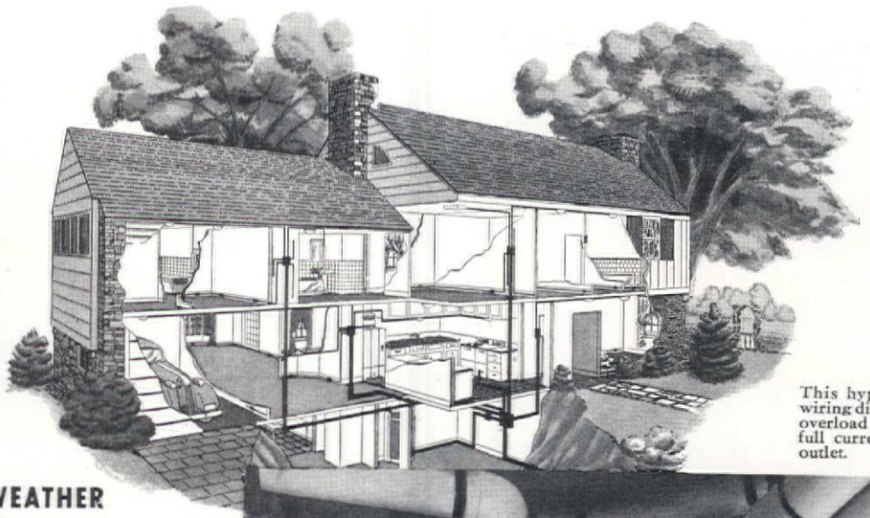
"I think Mr. Greville Rickard, the architect, and Mr. William F. Drewry, Jr., his associate, accomplished wonders. They gave us everything we asked for. And in addition, planned a home so wonderfully comfortable that even after three years of living in it, I'm still thrilled!

"I send you this Springtime (!) picture because it's always Springtime in our home. We have perfect temperature even at 20 below—thanks to our grand G-E Heating and Air-Conditioning system—which gives filtered and humidified warm air in the important rooms, and a radiator vapor system in the others."

Carlotta Creevey Harrison

A house that is well lighted eliminates eye-strain. In this Cooperstown house G-E Mazda lamps stay brighter, longer

The Harrison living room is floored with random width oak planks. The beautifully proportioned fireplace of red brick is topped by an oak mantle with touches of red on the moulded dentils. The hearth is flagstone.



This hypothetical radial wiring diagram shows how overload is eliminated and full current assured every outlet.

HAVE "MADE-TO-ORDER" WEATHER IN YOUR HOME, TOO

Much of the ease of living, in the Cooperstown house of Dr. and Mrs. Francis F. Harrison, is assured by the G-E Oil Heating and winter air conditioning system, which gives perfect temperature in any weather. This G-E "Split System" provides warm air in the important rooms and radiator vapor heat in the others. It is the ideal installation for many types of homes. Your architect, and the General Electric Home Bureau will be glad to help you determine the best G-E Heating and Air Conditioning System for any home you plan to build or remodel.

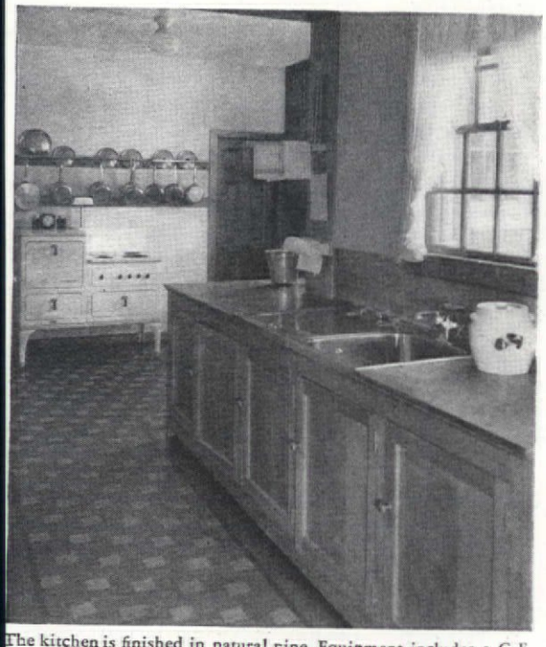
G-E PLANNED WIRING ENDS BLOWN-OUT FUSES

G-E Planned Wiring (Radial Wiring) is a revolutionary improvement over old-type wiring methods. It gives you a home wired for a lifetime. It eliminates the nuisance of blown-out fuses and provides adequate wire sizes, switches, and outlets. Circuits are controlled by individual circuit-breakers on each floor. Fuse boxes are entirely eliminated. No home is truly "New American" unless it has G-E Planned Wiring.

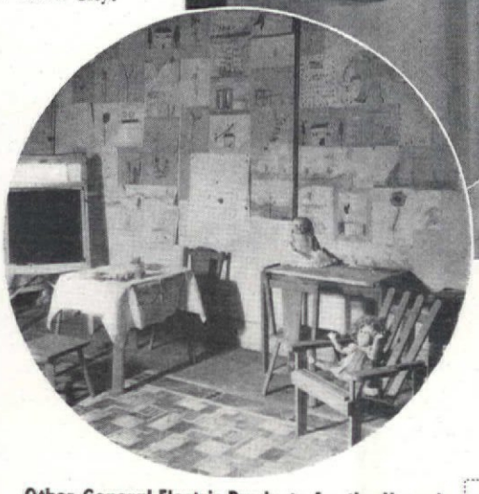
HELP FOR HOME OWNERS

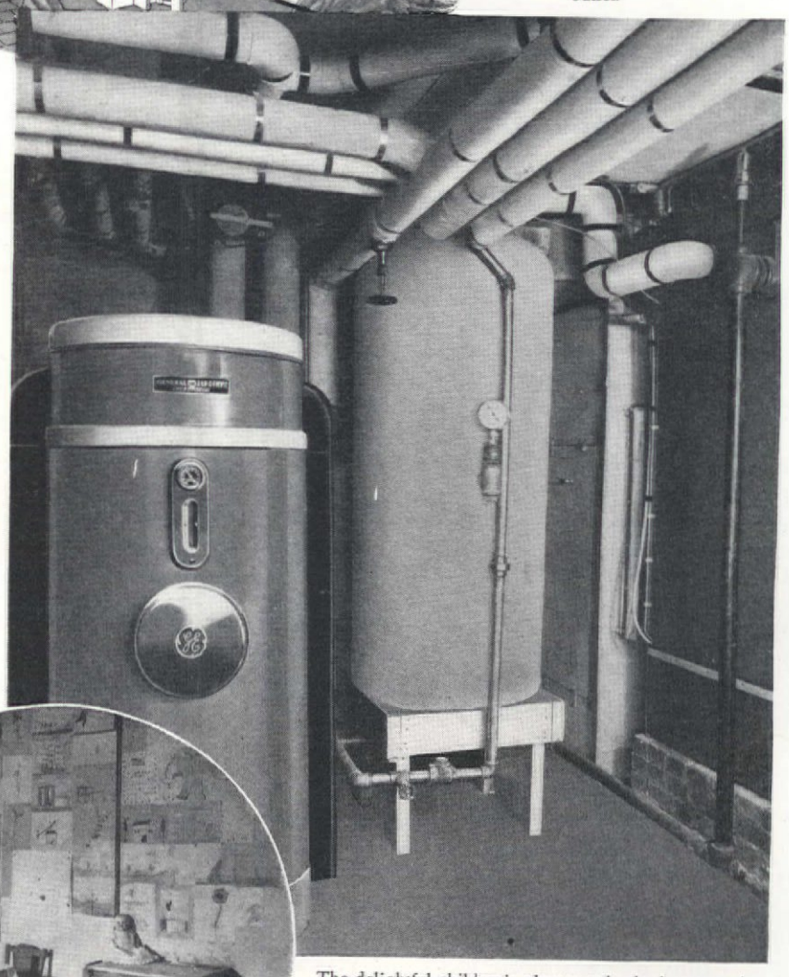
Why not come to headquarters with your home building or remodelling questions? The General Electric Home Bureau with its staff of experts can supply you and your architect with authoritative information on the newest and best electrical installations and materials. We will help you make your future home "New American"—a house designed from the inside out.

Whether you plan to build or remodel, it will pay you to consult a good architect. He can save you many times his modest fee. The General Electric Home Bureau—570 Lexington Avenue, New York City.



The kitchen is finished in natural pine. Equipment includes a G-E Dishwasher—Range—and other electrical servants.





The delightful children's playroom in the basement has walls decorated by the youngsters themselves. In the basement this compact G-E Heating and Air-conditioning system provides the "Springtime" atmosphere Mrs. Harrison mentions.

Other General Electric Products for the Home!

Dishwashers	Radios	Christmas-tree Lights
Ventilating Fans	Fans	Chafing Dishes
Disc Stoves	Radiant Heaters	Hot Plates
Percolators	Curling Irons	Kitchen Disposall
Refrigerators	Air-conditioning Room Coolers	Urn Sets
Toasters	Washers	Waffle Irons
Food Mixers	Ironers	Electric Cookers
Immersion Heaters	Electric Irons	Sandwich Grills
Clocks	Mazda Lamps	Water Coolers
Coffee Makers	Photo Lamps	Electric Blanket
Sunlamps	Vacuum Cleaners	
Heating Pads	Floodlights	

FREE! *A handsome "New American" Home folder full of facts on home planning, wiring and electrical equipment. Get your copy now.*

AH-6-37

General Electric Home Bureau
570 Lexington Ave., New York City

Please send me your Free "New American" Home folder.

Name.....

Address.....

GENERAL ELECTRIC

RESEARCH KEEPS GENERAL ELECTRIC YEARS AHEAD!

Party Invitations Across the Miles

THE TELEPHONE adds personality to any invitation, makes it more welcome. You can chat with your friends, as you ask them over. Exchange news. Eliminate anxious waiting for answers. Avoid the embarrassment of tardy acceptances or regrets.

You don't have to be planning a party to get great satisfaction out of the telephone. You can enjoy the two-way pleasure of talking with far-away relatives or friends at any time. And it's inexpensive. Especially station-to-station calls after 7 P.M., or any time Sunday, when Long Distance rates to most points are lower. Why not try it often?

A CONVENIENT EXTRA TELEPHONE

An extension telephone can be installed in your home where it will save the most steps. It costs surprisingly little. Ask your local telephone office.

The devastating ax of the tax on American homes

JOHN A. HALL

JUST as death and taxes are two of the most certain things in life, a discussion of the tax question, until the recent years of the depression, was just as popular as a discussion of death.

Many thousands of our families, however, in the last five or six years have felt the sharp edge of the ax in the tax on homes and on vacant lots bought with a view of building a home at a later date. The pages of our newspapers have been filled with notices of foreclosure sales. It is indeed unfortunate that it took severe jolts of this kind to awaken the owners of property to the urgent need of giving proper consideration and foresight to this very important subject.

However, it is far more unfortunate that a very small percentage of those who have not suffered from the loss of property through tax sales are even today giving very serious thought to this growing and menacing problem. A most peculiar situation has existed in relation to taxes on real property for many years, and especially among the home owners of the country. In some respects the condition has presented an unusual and astounding series of paradoxes.

The home owner has been recognized for many years by all thinking people as the best citizen of every community and therefore of the nation itself. I include the recognition of this fact even on the part of public officials and legislators, for, truly, there are many in this group who really do think beyond the next election. We seldom, if ever, hear of a home owner waving the red flag. He is generally among the most stable, the most thrifty, and the most respected citizens of every town and hamlet. There is no group the politician and the office holder would rather have in back of them supporting them and yet, paradoxically, there is no group that is more unfairly treated and more unjustly taxed.

There are something like eighteen million home owners in the United States, including the owners of farm homes. Millions of them belong to various clubs and social organizations in their communities. If these club members receive a notice of a proposed increase in dues, they jam the rooms where the meeting is to be held to protest against any such increase. I know because I have attended such meetings.

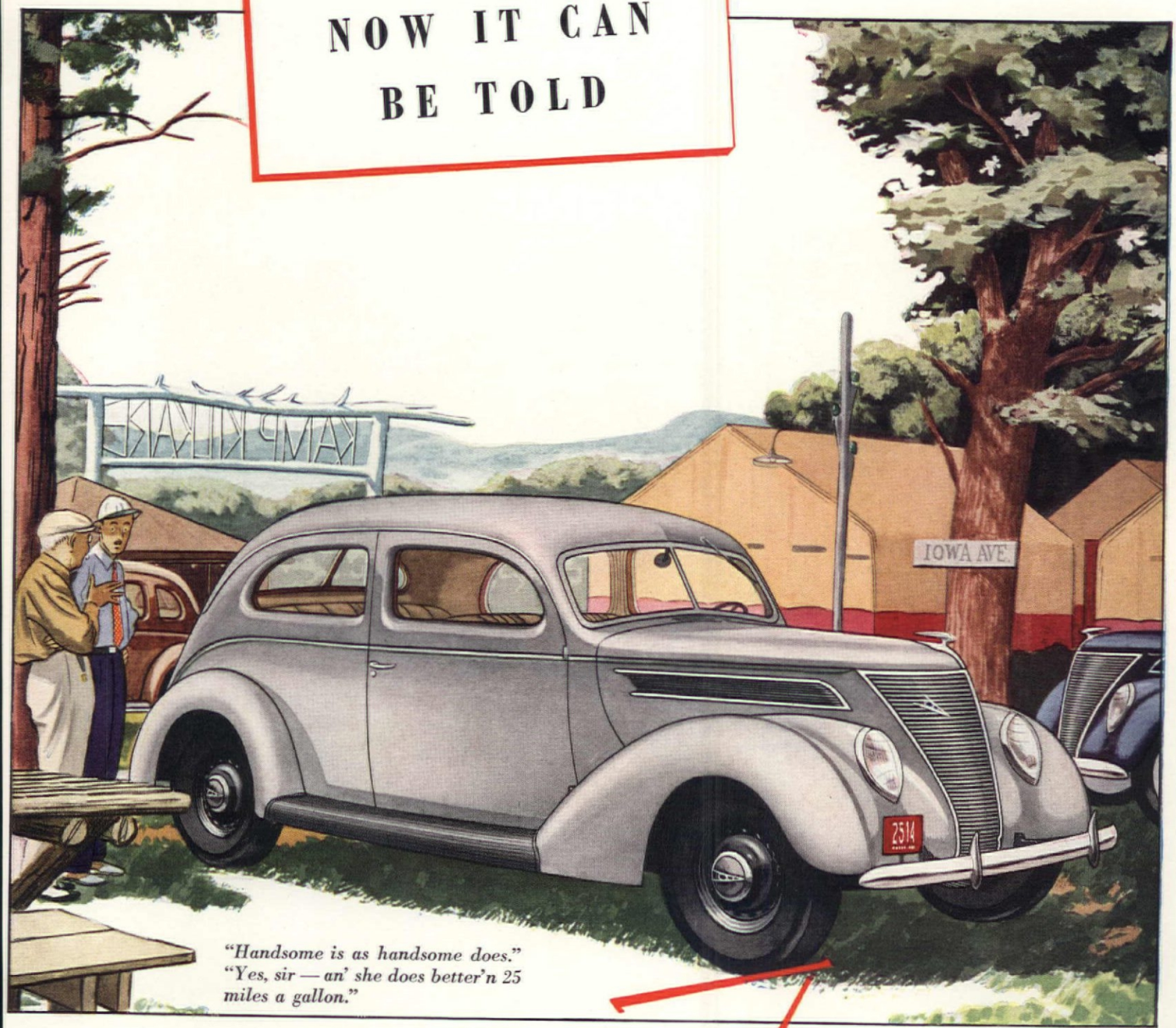
The taxes on their homes have been increasing year after year. Try to get these same club members out to a meeting of taxpayers or home owners. No matter how attractive the program or how important to their interests the proposed discussion may be, just a mere handful will show up. I know this too, for I served for two terms as the president of one of these organizations. They are just "too tired" or "too busy" to attend a meeting. It has been almost impossible to get the average home owner to talk about taxation, except for a day or two, directly after the receipt of their tax bill. Then what a howl goes up—not where it will do any good, but on the street and in the offices and factories. That is as far as it goes, however, and at best it only lasts for a few days. And here is the important point. Maybe the politicians, behind the ever increasing taxes don't know all of that?

Coming right down to brass tacks and facing cold, hard facts we have, right there, the answer to ever increasing taxes on real estate, including our homes. Years ago, that splendid, outstanding public servant, State Tax Commissioner John J. Merrill of New York, used to say repeatedly, "Home owners will continue to be made the goats in taxation, just as long as they permit it." That statement remains just as true today as it ever was. *Only the home owners themselves* can force the elimination of the ax from the devastating tax on our homes. The time has come when the home lovers of America—those vast millions of our people who still believe in home and all that it should stand for—the time has come when they must set aside their lassitude, their indifference, in relation to taxation. We must not only bring America *back home* but we must make it possible for people to keep those homes, once we have got them into them again.

In the old days, when it was first found necessary to resort to taxation as a means of financing the costs of government, real estate was the only tangible property that could be reached for that purpose. Then the home, or the farm truly represented the wealth of the family. Today all of this is changed. Real estate now only represents about one third of the wealth of the nation. Yet our homes and other real property pay as high as ninety per cent of all of the taxes in some sections. Throughout the nation the percentage is about seventy-five. One third of the

[*Please turn to page 126*]

NOW IT CAN BE TOLD



"Handsome is as handsome does."
"Yes, sir — an' she does better'n 25 miles a gallon."

FORD "60" OWNERS REPORT 22-27 MILES PER GALLON

Ford V-8 FOR 1937

Long before the 60-horsepower Ford V-8 engine was offered to America, we knew it was capable of unusual economy.

Two years of hard usage in Europe had proved that. Road tests of all kinds proved it again.

But in keeping with Ford policy, no definite mileage claims were made until they could be established by owners in actual service.

Now the story can be told . . . Ford cars equipped with the new 60-horsepower V-8 engine are more than meeting expectations!

Thousands of private owners, cab companies, fleet operators, and others who keep careful records, report averages of 22 to 27 miles per gallon of gasoline. That is the highest mileage in Ford history — and Ford cars have always been famous for economy!

If you want a big car for a small budget, see and drive the 1937 Ford V-8 "60" for yourself.

It's available in five standard body types — just as roomy and safe as the Ford "85." It has the same distinctive modern design and all-steel body. It delivers V-8 smoothness and quiet even at speeds up to 70 miles an hour.

And it brings you its brilliant operating economy at the lowest Ford price in years!

Ford

According to an adage, luck for the bride lies in something old, something new, something borrowed, something blue. The something "blue" is this lovely table for the bridal party at the formal reception after a four o'clock wedding

Mr. & Mrs. James Worthy Davis
request the pleasure of your company
on Friday, the second of October
at half after four o'clock
Ninety-eight Ridge Road

R.s.v.p.

An ice-blue rayon damask cloth, plates with blue, and even iridescent glassware with a blue quality make the bridal white in flowers, candles, and wedding cake all the whiter by contrast

F. M. Demarest

Here comes the bride!

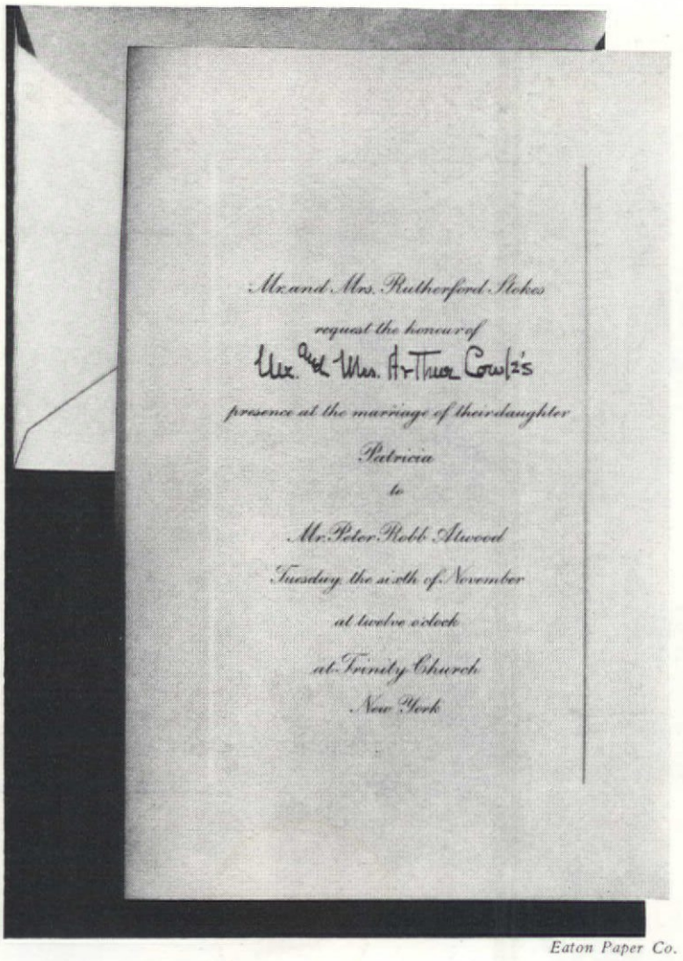
THE crowning of a king cannot create more excitement or concern in any nation than does a wedding in the average family. We all go to weddings and enjoy the festive occasions but little do we realize until we have to "do the honors" ourselves that there are many formalities that must be observed. And the rules are rigid too, for marriage is a tradition older than the crowning of kings. We follow its ageless rules by doing everything within our power to make its ceremony the perfect and lovely thing it should be, even in this modern day of freedom, sit-down strikes, and so-called individualism—rugged or otherwise.

Every bride wishes her wedding to remain forever with her a beautiful memory and the family "to a man" wishes her to have this happy remembrance, hence even though the wedding may of necessity be a simple one, it can be thoughtfully planned and made a "thing of beauty and a joy forever." It is *the* one time when we should be truly glad to stretch the family budget almost to the breaking point to make the occasion a memorable and happy one.

Whether the wedding is an elaborately formal one or a homey, informal affair it should express the utmost dignity and simplicity, for it is a sacred rite. Its procedure should be in perfect order to the very minutest detail. If the wedding is to have its setting in a church, invitations may be sent to acquaintances as well as to relatives and friends; however, only the relatives and friends are invited to the reception which follows the wedding. The home wedding necessarily limits the guest list to relatives of both families and intimate friends.

The chancel of the church at the formal wedding is banked with flowers. Music by the organ precedes the wedding. A soloist or choir sings while the clergyman takes his place at the altar after which the bridal party marches slowly down the aisle in its designated order to the strains of the wedding march. The services are then read and at the conclusion the recessional is played while the bridal party marches out.

At a home wedding the ceremony might be performed at the end of a long room decorated with swags of greens or seasonal flowers or in a bay window, tastefully decorated. A fireplace that has been banked with potted palms, trailing ivy, or any wood's greenery makes a charming background for the ceremony. Standards through which white satin ribbon is run form an aisle for the bridal party to pass to their places. A long well filled cushion is provided for the bride and groom to kneel upon for that part of the service requiring it. The bride's mother receives the guests as they arrive.



Eaton Paper Co.

MARY MONZE and MARY ELLEN STRATTON

One of the simplest and loveliest home weddings ever witnessed took place in a large living room made into a veritable bower of green—a rich and dignified background for the wedding party and guests. A wedding bell was fashioned of white camellias and hung just above the spot where the bride and groom were to stand. Guests lined both sides of the long room. From the hall leading into the living room a piano played the strains of "Oh, Promise Me," and it was sung softly and beautifully. A few hushed seconds and the chords of "Here Comes the Bride" brought a vision of white loveliness to the top of the wide stairs. Followed by the matron of honor the bride descended the stairs and was met at the landing by her father. The clergyman, groom, and best man entered from the side door, and the clergyman led the way to the improvised altar where the wedding service was read. After the simple but impressive ceremony, the guests gathered round to offer their congratulations and best wishes to the bride and her groom after which the entire party proceeded to the dining room where a buffet supper was served. This was an evening wedding—nine o'clock—in one of our far Western cities where the heat of the day makes the evening wedding more desirable for both wedding party and guests.

Most formal weddings today take place at four o'clock in the afternoon, although twelve o'clock noon is a popular hour, too. After the morning or twelve o'clock wedding, a breakfast is served at the home of the bride where those invited assemble to offer congratulations to the happy couple who receive assisted by the wedding party and mothers of the bride and groom. The receiving line is usually in front of a decorative setting of potted shrubs and flowers. The wedding breakfast may be a buffet or a "sit-down" breakfast. The bride's table is larger than the others and the bride's cake, of course, the center of interest. The bridal party occupies this table. Smaller tables placed about the room are provided for the guests.

The formal afternoon wedding is followed immediately by a reception at the home of the bride or, if the home is not large enough to accommodate all the reception guests, a hotel or country club may be used for this purpose. However, the homey atmosphere does not make these public rooms the perfect setting that one's own home naturally provides. Music is as necessary to the wedding reception as the flowers and an orchestra, even though small, should be engaged to play

Opposite page: The bride, her groom, and wedding attendants sit at table at the formal reception after the wedding. The palest of blue rayon damasks makes the cloth and napkins; Royal Worcester plates have touches of blue in them, and even the glasses reflect blue in their iridescent surface. Table linen, china, and glassware, B. Altman & Co. "Late Georgian" sterling silver, Gorham; wedding cake, Dean; flowers, Irene Hayes

appropriate selections—tea or dance music.

The buffet table is set the same as for a formal afternoon tea with exquisite linen and lace or a rich damask cloth, stacks of "best" china plates, rows of gleaming silver, and lighted candles. The bride's cake and delicate flowers supply the main decoration. There are handsome cloths in pastel shades available too, and many interesting and individual tables are created by those who prefer something other than the traditional white by combining these with china decorated in various pastel shades. Caterers will take charge of these affairs if they are to be large and formal and will provide not only the food and staff for serving but also the linen, china, silver, and extra chairs.

The menu is simple whether the wedding be formal or informal. Several suggested menus have been prepared for you and are given on these pages. A toast to the bride and groom calls for champagne, no less, if this part of the ceremony is observed. A luscious fruit punch may be substituted, however. Each guest should receive a bit of the wedding cake packed in a tiny white box and tied with satin ribbon—for what is a wedding without a piece of the cake to carry home to "dream upon?"

Of course, there is nothing more beautiful than a garden wedding. It is a natural setting for a June bride, but one needs to be on good terms with the weather man and have great faith in his "fair weather" predictions if the old and time honored saying is to come true: "Happy is the bride the sun shines on."

We have talked a lot of "cabbages and kings" and almost forgotten the most important item of all—the radiant bride—without whom there would be no occasion for even bringing up the matter! This is *her* day and the decorations should be planned to complement her individual beauty as thoughtfully and effectively as the stage is set to make a perfect background for its glamorous star. The white dress and veil are traditional and exquisite but occasionally a bride considers an off-white or slightly tinted pastel more becoming for her wedding gown.

While the entertainment of wedding guests calls for the very finest of everything one is able to provide in the way of food, service, and decoration, of far greater importance to its success are the human qualities of graciousness and hospitality. So with the satisfaction of knowing we have done our very best to give *her* the perfect wedding, life gradually assumes normal proportions and we begin the much needed repairing of the battered budget. We may have to postpone a lot of "should do's" but wasn't it all well worth the effort?

PHOTOGRAPHS BY
F. M. DEMAREST

On the opposite page we show our wedding breakfast table set up in informal style. Silver is by Towle and Gorham. Cloth from James McCutcheon. Large crystal flower bowl from Plummer. China, Royal Doulton, and the hurricane lamps from W. & J. Sloane. This table was kept in silver and white. In the photograph above the bride's cake—which is always a light cake—is placed on a side table for buffet service. The wedding cake—that which the guests take home "to dream upon"—is a dark cake usually wrapped in convenient little boxes. The candelabra, above, are from Black Star and Frost-Gorham

The Wedding Breakfast

Scrambled Eggs with Small Sausages

Chicken Croquettes

Chicken in Aspic

Lettuce Salad Ring

Green Salads

Rolls *Hot Biscuits*

Cake

Coffee

Chocolates Candies Mints

Wedding Breakfast

(seated)

Clear Tomato Bouillon or
Melon Balls with Mint
Lobster Newburg
Fried Spring Chicken Green Peas
Hot Biscuits Corn Sticks
Celery, Stuffed Olives, and Green
Pepper in Aspic Salad
Assorted Ices Wedding Cake
Coffee
Bonbons Nuts Mints

• • •

Anchovies in Small Tomatoes
Egg Croquettes with Cucumber Sauce
Sweetbreads and Mushrooms in
Ramekins Tiny Hot Biscuits
Mixed Vegetable Salad
Fresh Strawberry Sherbet
Wedding Cake
Coffee Candies Nuts

Four o'Clock Wedding Reception

(buffet style)

Jellied Chicken Salad in
Individual Rings
Brandied Peaches
Hot Cloverleaf Rolls
Stuffed Olives Raw Cauliflowerettes
Thin Carrot Sticks
Petit Fours Colored Ices
Coffee Nuts Candies

Wedding Supper

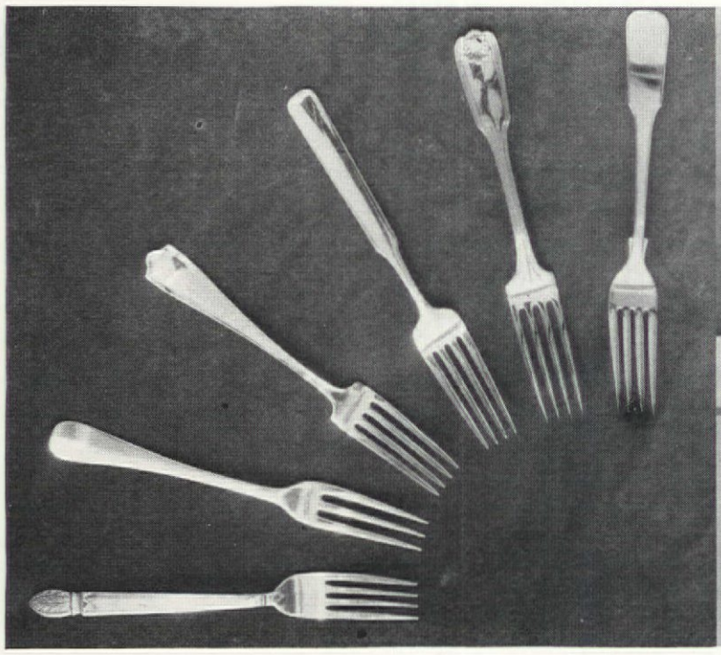
(buffet style)

Hot Chicken Timbales
Sausages in Cream Ham Mousse
Tomatoes with Cottage Cheese
Vegetable Salad Bowl
Pickled Pears Ripe and Green Olives
Hot Biscuits Rolls
Individual Ice Cream Molds
Assorted Cakes
Coffee Candies Nuts

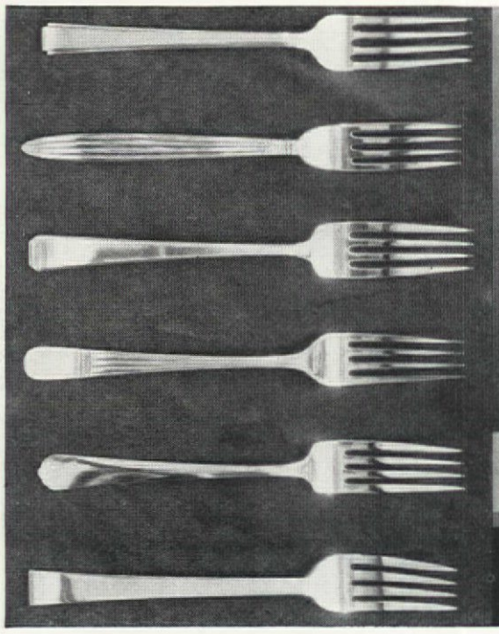
• • •

One-Bite Sandwiches on White and
Whole Wheat Bread
(Cheese and ginger, pickled tongue, chicken salad, turkey, egg salad with capers)
Cherry Gingerale Frappé
Assorted Cakes
Coffee
Salted Nuts and Bonbons

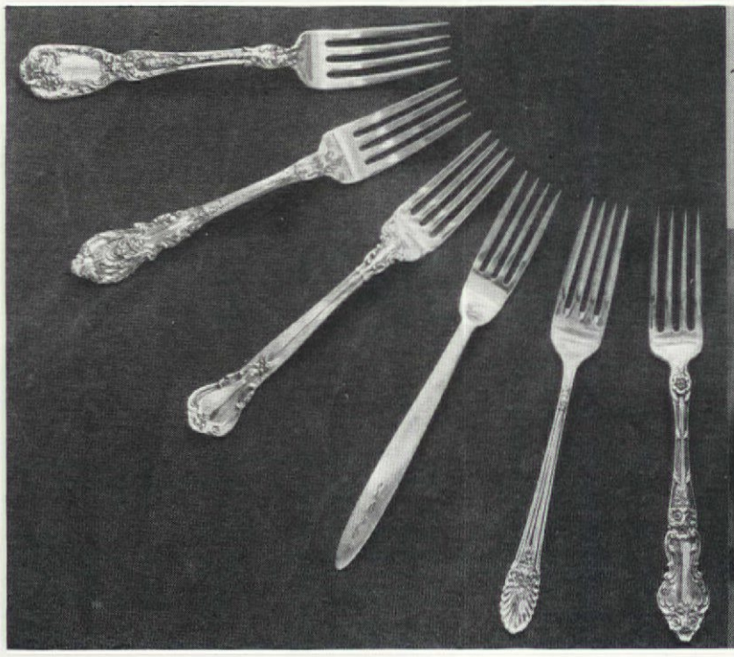
SET UP for LIFE



STURDY
AMERICANISM



MODERN MINDED

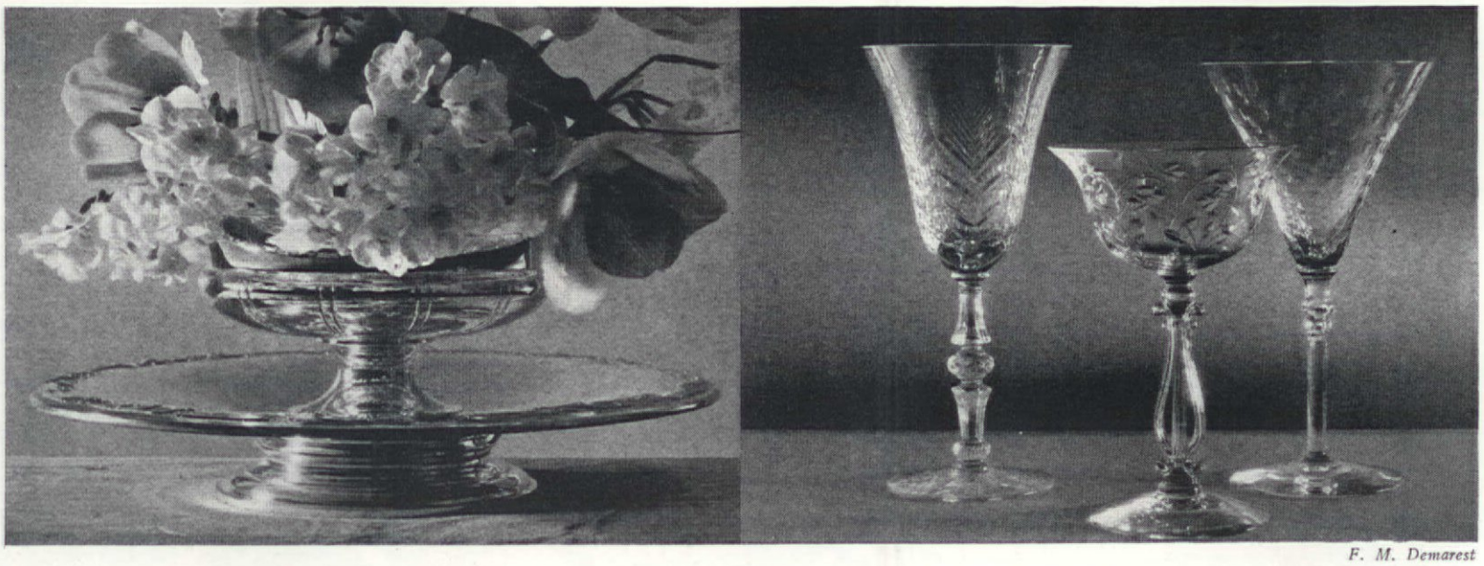


for *Elegance*

For description of flat silver and china shown on this page, see page 100

Most wedding gifts are those we give within an intimate circle of friends. We know their tastes, future plans, the style of their new

home, their scale of living. Why not band together, you group of friends, and work out an "ensemble" design for giving? If the new young couple is going to live in a Colonial house, consider the silver, china, glassware, and odd bits shown all across the top



F. M. Demarest

of these two pages; if they have "gone modern," they should have the things illustrated across the center of the page; and if they are going to live in the grand manner, choose the pieces at the bottom of the page. You will find them all described on page 100

Iris . . .

ETHEL MARY BAKER

IF, BY chance, there are would-be gardeners who do not thrill to the first iris bud that pokes up its nose to scent the early springtime air—well they have no business wasting their time on gardens. For irises are just as typical of spring as are the early flowering bulbs—that is of course, if you have the right kind.

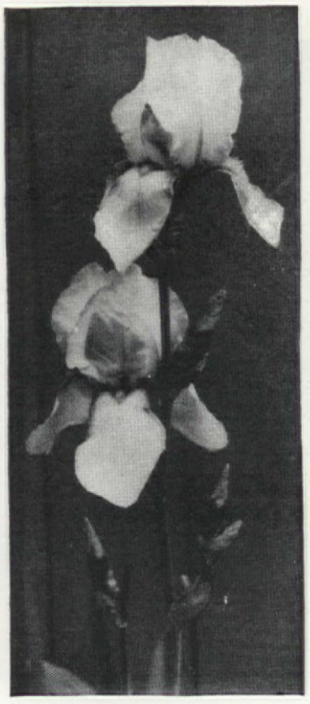
This "poor man's orchid," which is also the lazy man's pet or the rich man's hobby, demands so little, yet gives so much! And there are few localities throughout our country where iris in one form or another may not be found growing. True, not all of them are hardy in the north, nor will every variety endure southern temperatures, but, in general, there are just as many irises for your garden as are needed to suit your purse—irises for sunbaked ledges and boggy spots; wee gems that demand their share of shade, and others that glory in the sun. And, best of all, you may have some variety in bloom every month from early spring until late in the fall, thanks to the development of the newer, autumn flowering types now available.

While irises are easily grown, some do have their eccentricities. For instance, those that flaunt a beard, whether their stature be great or small, are partial to lime, while the beardless ones are inclined to shudder if it so much as comes near them. Rhizomes or bulbs may be planted from July to October; we have planted giant, bearded varieties with equal success in the spring; while many of the bulbous type may be lifted with a shovel and plenty of dirt and replanted at almost any time of the year.

For best results in growing iris from seed, sow it in the fall, or soon after the seed pods ripen. The grasslike babies will probably not appear until spring, and, as the seed is tem-

Iris Xiphium.

P. J. Redouté.



Left to right, San Francisco, lavender-blue; I. susiana, gray overlaid with purple; I. missouriensis, the dainty mountain meadowiris

I. xiphium, the Spanish iris, is one of the very interesting bulbous group

FOR EVERYONE

peramental, some of them will come early, while others will be later. For the summer, transplant the seedlings to a row in the nursery and there, unless they are well anchored, mulch them the first winter. When they bloom, study them carefully, throwing away those that are the least bit below the standard for which you are looking. With practice you will learn much, and perhaps some day originate a very fine iris.

Tuck away a few bulbs of Iris reticulata in deep humus soil on the sunny side of the rock garden. The dainty blossoms, that resemble dark violet butterflies, often appear ahead of the crocus, and sometimes before all the snow is gone. Following close on their heels comes the perky little dwarf I. pumila mimicking the giant bearded beauties in everything but size. Because they are so suitable for rock gardens, hybridizers have been busy and these midgets may now be obtained in many good varieties: Baby Mine, a wee, yellow, Black Midget that sometimes grows ambitious and puts out a bloom in the fall; Blue Miniature, a dark blue self with a striking white beard; Gray Cloud, a lovely blend of several shades; and Rose Mist, a soft, rosy lavender.

Next in season comes the intermediate class, the result of crossing the pumilas and members of the giant bearded group. In size, as the group name suggests, they are larger than the pumilas, yet smaller than the giants; also they very successfully fill a gap in the blooming season left between those two. Red Orchid is what its name implies, an excellent red in this class. Then there are Challenger, a dark purple; Colleen, a reddish bicolor; and Ragusa, a purple so dark that it borders on black. Among the softer shades you'll find Perces Prim, a rosy pink touched with white; May Gold, a yellow self; Zua, white with a blush of lavender; and Elizabeth Huntington, a fresh looking blue variety with crinkly petals.

It's easy to make dollars stretch when it comes to purchasing the tall bearded giants, for the rhizomes increase rapidly and prices of novelties soon tumble. How long has it been since we've all wanted such varieties as Morning Splendor, King Tut, Bruno, Asia, Candlelight, Frieda Mohr, and El Capitan?

Then there's Wm. Mohr, that grand fellow with an oncocyclus parent on one side and a tall bearded forbear on the other. After many years of attempting to persuade W. Mohr to yield an offspring, a hybridizer has at last succeeded in producing a desirable seedling, which he has very appropriately christened Mohrson. I. susiana, known as the mourning iris, is a most interesting form of the oncocyclus type but it refuses to tolerate crisp winters unless given the protection of a coldframe. At that, it's worth growing. Purissima, one of the finest whites we have today, also needs some winter protection, although in our Colorado climate, a board fence high enough to break the north winds is all that is necessary for proper growth.

Although to me, Persia is the blue and gray iris, it is really a most exquisite blend of blue, lavender, gray, and bronze, with the standards like soft smoke on a winter morning, and the falls claiming most of the blue. Desert Dawn is like the morning sun peeping over the rim of the desert, all lavender and gold. Rusty Gold, as one would naturally suppose, is a lovely blend of orange-bronze, flushed with copper. Black Wings closely approaches the black in its deep, midnight blue, while Blue Velvet still holds up its head proudly, although introduced some time ago.

We also like Indian Chief with its blood-red falls brushed with bronze, and the charming Grace Sturtevant on whose chocolate-drop falls the orange-red beard stands out so brazenly. Santa Barbara is claimed by many to be the clearest lavender-blue yet introduced; Dogrose is a soft rose-pink with a golden beard; Migard is an exquisite blend of yellow and pink, and San Francisco still stands at the head of the plicatas, although its sister seedling, Los Angeles, is a close rival.

Siberian iris grow almost as readily from seed as do perennials, and, because of their slender, graceful foliage as well as the dainty blue or white flowers, they are especially desirable for mass effects or when planted close to pools. Blue Flame, Emperor, Perry's Blue, Snow Queen, Wisteria, and Red Raider are all excellent varieties. The spurious irises (so called because the type species is I. spuria) do well in borders where the soil is rich and deep. The group's stately queen is I. ochroleuca and a single spray is a bouquet in itself, for the snowy blossoms with a yellow patch on each curved fall, pop out along the stem like curious children peeping from behind a door. This iris has some fine offspring including Alice Eastwood and Snowflake, both whites, and Canary, Sulphurea, and Sunny Day, all yellow. Other spurias that you'll like are Mrs. A. W. Tait, a soft blue; Monspur, a tall bluish purple; Shelford Giant, cream and gold; and Monneri, a rich golden yellow.

Japanese iris should be planted two inches deep. They revel in rich soil that is somewhat acid and supplied with plenty of moisture, especially when buds are ready to pop . . . and they do idolize sunshine. We find them in both singles and doubles, which is something unusual for an iris. Martha Kemp, a deep toned lilac; Celestine, silvery pink with a touch of orange; Frances E. Cleveland, one of the best and largest blues; Monija, a crimson, and Shimoyo, smoky gray veined with violet, are all good singles. When selecting

[*Please turn to page 126*]

Photographs by the author Iris xiphium, opposite page, from an old print

Pure white with a gold beard is Iris purissima. At left, clump of I. tectorum with its crested, orchidlike flowers. Beyond, an unnamed but graceful seedling

Where do you keep your magazines?

Karl Obert

Bob Humphreys

ELLEN SHERIDAN

We find it hard to discard magazines in our household. For though the reading matter may be exhausted, there are still the gay covers to add a cheerful and exhilarating note to the room. This is not idle talk. Often a blue covered periodical lying carelessly on a table or chair will repeat the particular blue of some other article and "lift it up." In fact, the modern magazine may well become a decorative feature of a room when used with a little skill and care.

Have you ever hastily discarded a current publication with the thought that it contained nothing you could use, only to discover a month or two later that it did have just the answer to an important problem of household furnishing absolutely unforeseen the month before? And its solution lies in that rejected magazine lying disconsolately somewhere; but where, oh, where! Then follows a desperate search or a trip to the library or many phone calls among one's friends in an effort to locate that all essential, lost publication.

But where to store the magazines one can collect even in a few months time is another problem. There is always the attic, of course, or the garage, or a deep, dark closet. But these are generally inaccessible—too much trouble to get at—and, besides, magazines are apt to be forgotten when out of sight.

We are indebted to the public library for the practical idea in the photograph above. The shelves were built originally for books. It was an easy and inexpensive matter to convert them into racks to hold magazines. These racks, fifty inches long and set at a forty-five degree angle, with eight and a half inches between shelves, slide in and out so the shelves can at any time be restored to their original purpose. One can see at a glance what one wishes to read without mauling over dozens of other numbers. But, above all, this rack becomes quite the gayest thing in the room and certainly the most enticing. It will give tone to any living room or library no matter how drab it may otherwise be. And it is a convenience that once you have had you will not do without.

From time to time one finds a rare and interesting foreign or domestic magazine to put upon the rack. A casual visitor will see this immediately and have a grand half hour absorbing its contents—all new to him.

The colorful rack has even saved strained social situations when you are being called

[*Please turn to page 97*]

Ranch house atmosphere on Peachtree Street

F. & L. Studios

The Atlanta, Georgia, home of Mr. and Mrs. Henry Wagstaff

SUSAN JONES MEDLOCK

STEPS going up and more steps going down lead you from one bright and attractive room to another in the Henry Wagstaffs' California ranch house on Peachtree Battle Avenue in Atlanta, Ga., for this charming little house has five levels. The first level is the rumpus room and rear terrace; the second, the garage; the third, the kitchen, living and dining rooms; the fourth, a bedroom, bath, and closet; the fifth, two bedrooms, a bath, several closets, and a very good sized front balcony.

Approaching the house, you can see that the middle section is built of white clapboards running vertically, while the outer ends are constructed of white painted bricks. Outside blinds in bright green are used on the front windows and doors. A flagstone walk leads to the house from the street, and an old-fashioned kerosene lamp post, which has been turned into a modern light, stands near the front door. A balcony with an iron bannister stretches across the boarded section of the house, with the street number attractively printed underneath in neat black letters.

An observation window is the most outstanding feature of the living room, located on the right of the paneled entrance hall. At a first glance this window appears to be two windows meeting in the corner of the room, but it is really one large, all steel casement window which continues from one side of the room to the other. Natural finish Venetian blinds with deep red tape hang at this window with tailored drapes of red, beige, green, and yellow stripes,

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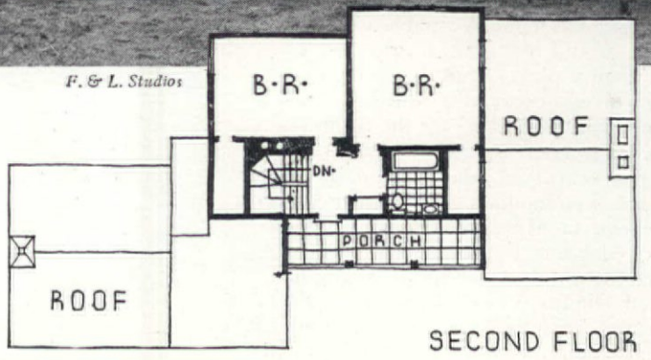
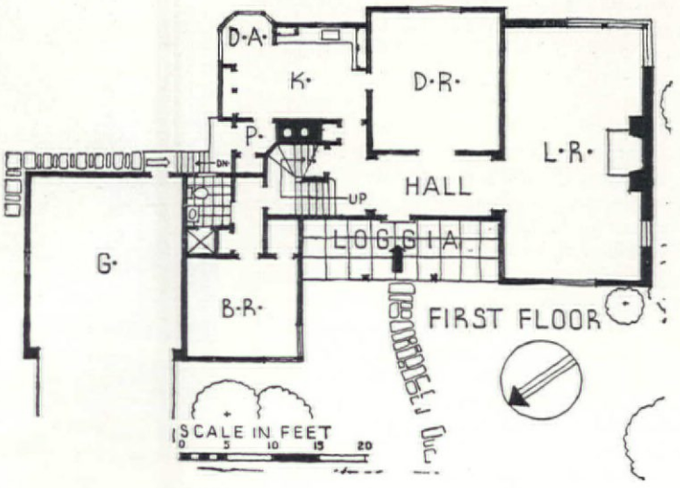




ARCHITECTS: MILLER AND WARNECKE

Swim in your own back yard

$350

It is not easy to name any one project which, for the money invested, would afford as much wholesome pleasure for the entire family as a private swimming pool—especially if the cost of construction were not much more than that of the average garage

HI SIBLEY

ACTUALLY the original pool from which these drawings were made cost approximately $350, including hired labor. This was a contract job, and the home owner who likes to build things himself, can materially reduce this figure. A capable assistant, however, would be indispensable, as of course, there is plenty of robust, perspiring labor involved—excavating, wheeling concrete in a barrow, setting up the forms.

In order to keep the cost at a minimum for a practical pool, the accompanying design has been modified from the original at the home of Mr. and Mrs. A. A. Tacchella of Altadena, California. The parapet with the tile top shown in the photographs has been eliminated and a narrow walk constructed directly upon the ground. Material required includes about 100 sacks of portland cement, 9 cubic yards of sand and 12 cubic yards of gravel. Reinforcing bars come to a third of this, or about $35. To the foregoing must be added the lumber for forms, but in most communities used material from a wrecking yard will be available. Naturally this last item will vary. In any event, the wood will come in handy for the fireplace the following winter. The cost of labor will be approximately the same as for the materials. If the owner does the work himself he should rent a power concrete mixer, for hand-mixing is out of the question. Although these seven-inch-thick walls are entirely satisfactory for mild climates as in Southern California, in territory subject to severe winter conditions the walls should be at least ten inches thick, thus adding about $40 to the cost of materials over the seven-inch walls.

It will be well to consult a cement contractor before starting the job. If he is unable to make you a suitable figure on the work, he can give sound advice on local conditions. And if you have had no previous experience in this sort of construction, your assistant

[*Please turn to page 64*]

MRS. ROBINSON'S $175 POOL

Swimming in an Idaho back yard

AILSA CRAIG ROBINSON

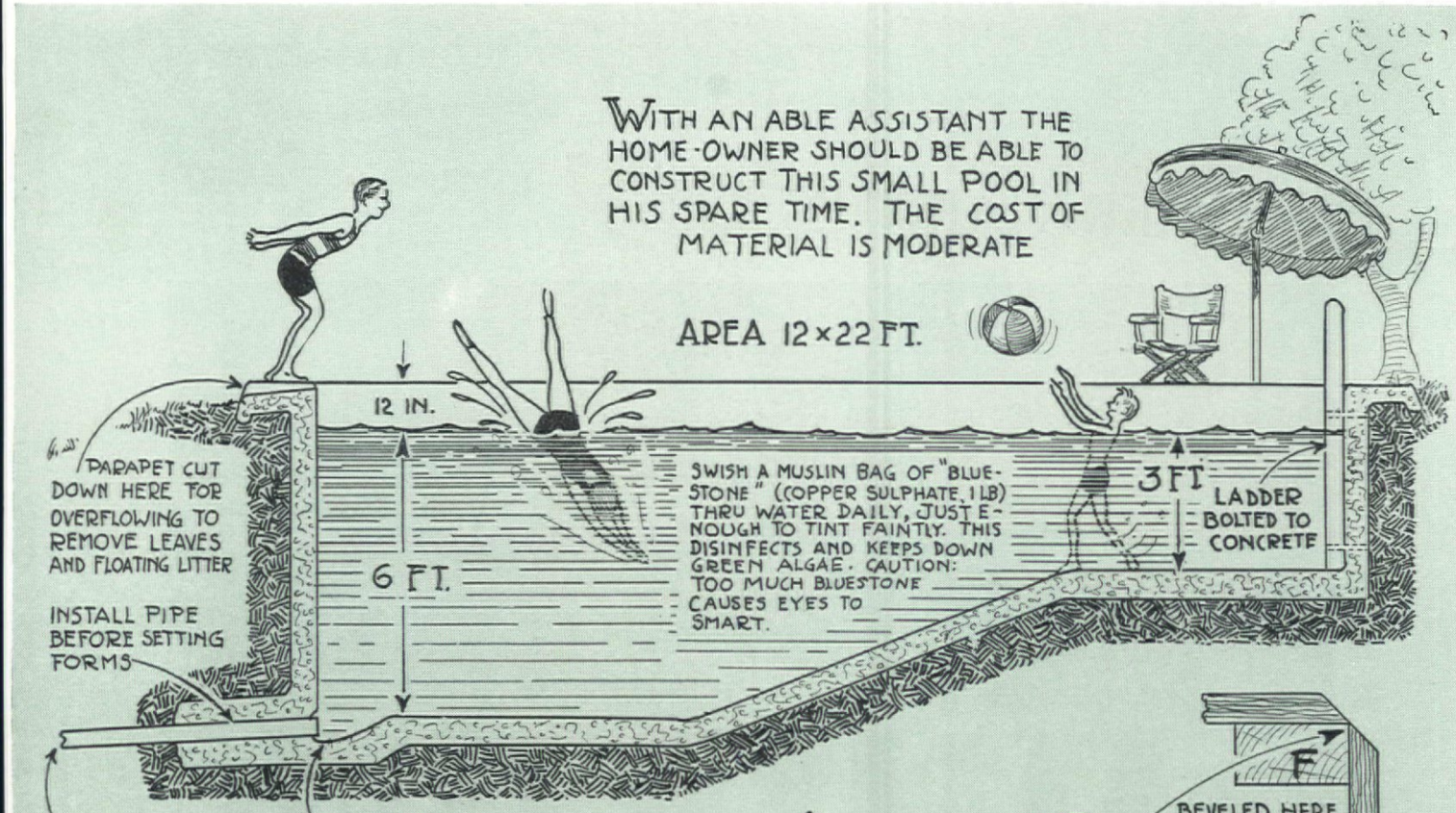
WHEN we came to live in this irrigated country of Idaho with its thousands of miles of canals and ditches, the fact that our three children could not swim was a constant worry. I resolved not to be like the woman who when the gang came by "Yoo-hooing" for her Charles to go swimming, told the boys grimly but firmly, "Charles can't go swimming until he learns to swim!" Though the city boasted a fine natural hot water natatorium, it was expensive and a source of ear infection for us.

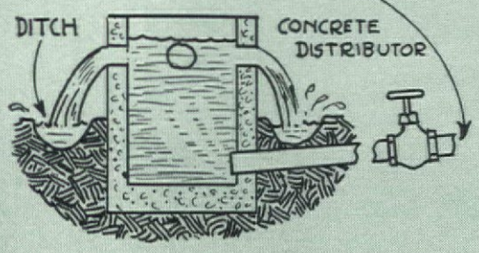
We bought three acres at the edge of town where we built our home. The only drawback to this otherwise ideal location, was the treacherous Ridenbaugh Canal at the west boundary of our land. This swift, deep irrigation project

[*Please turn to page 90*]

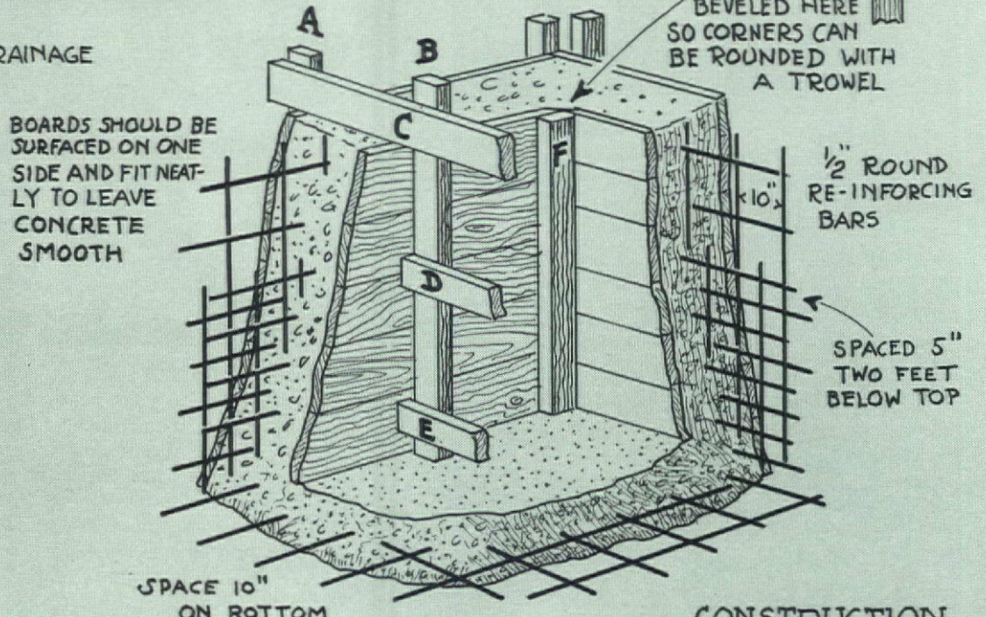
WITH AN ABLE ASSISTANT THE HOME-OWNER SHOULD BE ABLE TO CONSTRUCT THIS SMALL POOL IN HIS SPARE TIME. THE COST OF MATERIAL IS MODERATE

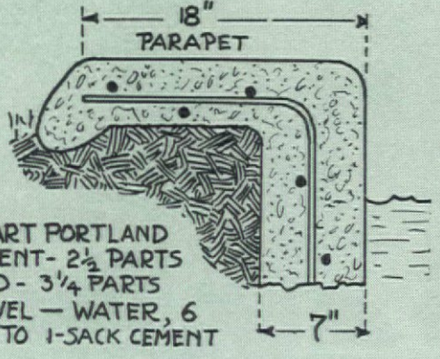
AREA 12×22 FT.



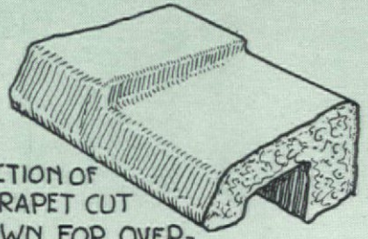


AN IDEAL LOCATION FOR THE POOL IS ON HIGH GROUND SO THAT IT CAN BE DRAINED TO GARDEN AND SHRUBBERY. THE ABOVE ARRANGEMENT PREVENTS WASHING AWAY SOIL IN DITCH IRRIGATION. OR PIPING CAN BE RUN TO VARIOUS PARTS OF LAWN.



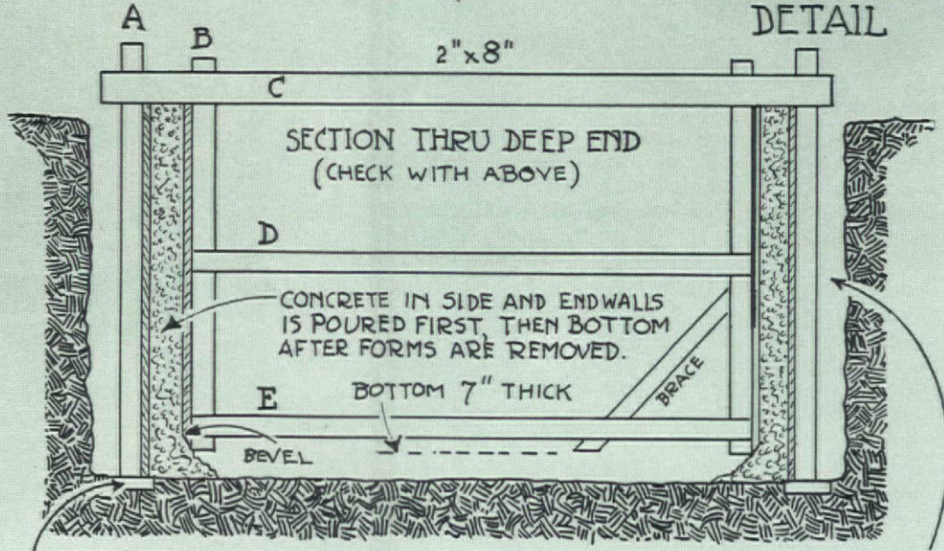


1- PART PORTLAND CEMENT- 2½ PARTS SAND - 3¼ PARTS GRAVEL — WATER, 6 GALS. TO 1-SACK CEMENT



SECTION OF PARAPET CUT DOWN FOR OVER-FLOWING. SEE ALSO TOP DRAWING.

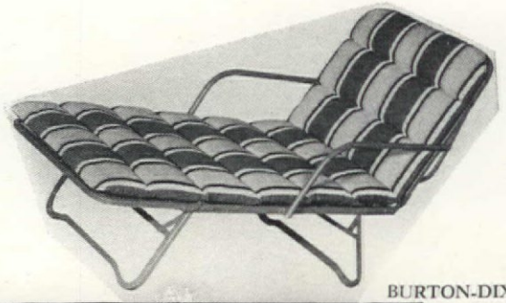
CONSTRUCTION DETAIL



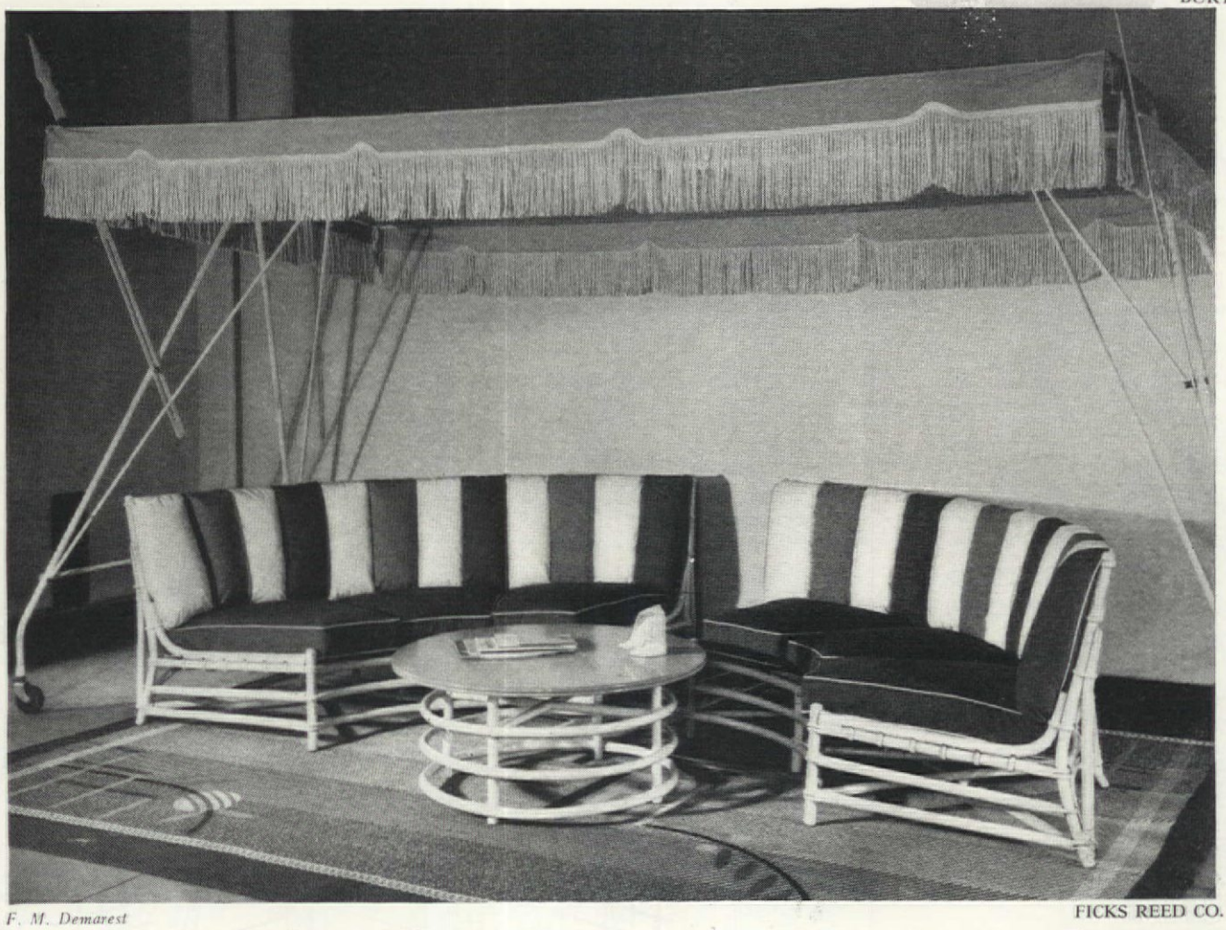
STUDS REST ON BRICKS, WHICH ARE LEFT IN.

EXCAVATE WIDE ENOUGH FOR SETTING FORMS. WHEN REMOVED, FILL IN WITH DIRT AND SOAK DOWN WITH WATER TO PACK.

SUMMER GAIETIES



BURTON-DIXIE



F. M. Demarest

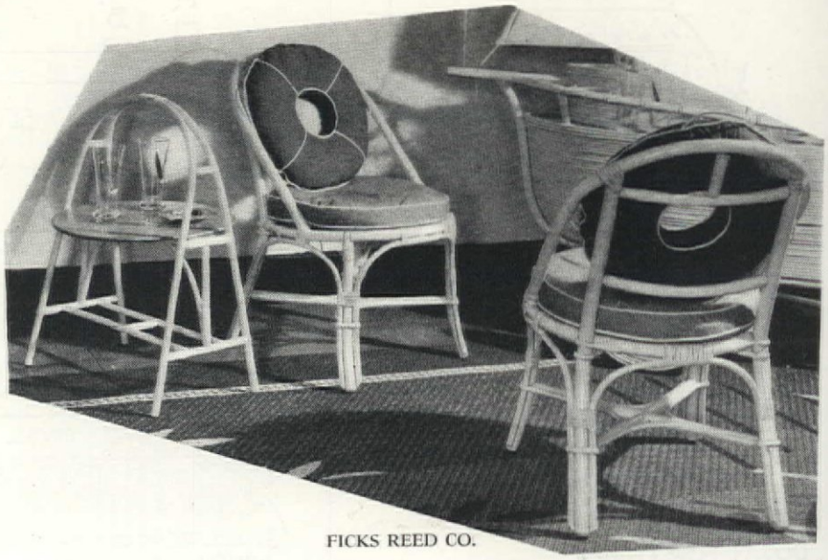
FICKS REED CO.

HEYWOOD-WAKEFIELD

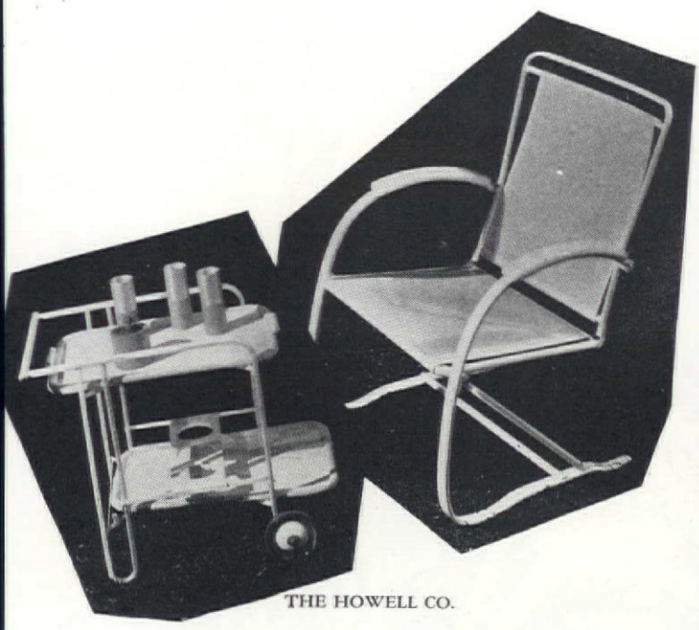
IN THE next four months, we are willing to wager, you are going to spend more time out-of-doors than in. There are going to be bright, brisk mornings when you will want to lie in the sun and watch the garden grow; busy days when a moment snatched from household duties will find you flung down on a lounge in the sunroom, with its once winter-closed windows now open wide to summer; warm afternoons when you will want your tea in a shady spot on the lawn under the trees; sultry hours when the coolth of the open porch as it catches every vagrant breeze, will tempt you; moonlit evenings when the open terrace, with no awning but the sky in its silvery splendor, will bring out every ounce of romance in your soul.

Almost as delightful as the actual living, is going to be the planning and furnishing of these out-of-door spots for summer. You don't have the bother of draperies or accessories, just the fun of selecting the furniture that is best suited to your particular need, that is most comfortable and most decorative. You can choose between metal, reed, and wood; between practical, simple pieces and those highly decorative. There are sun-tan cots for lying in the sun without suffering the ministrations of wandering ants; gliders that sway gently to lull you to sleep; all kinds of chairs and lounging pieces for more than one person; tea carts on wheels, canopies, parasols, everything conceivable to make your out-of-door living room livable and thoroughly comfortable this summer.

Summer furniture has become far more style-wise than it used to be, and the three things to look for this year are whites, natural finishes,



FICKS REED CO.



THE HOWELL CO.

THE HETTRICK MFG. CO.

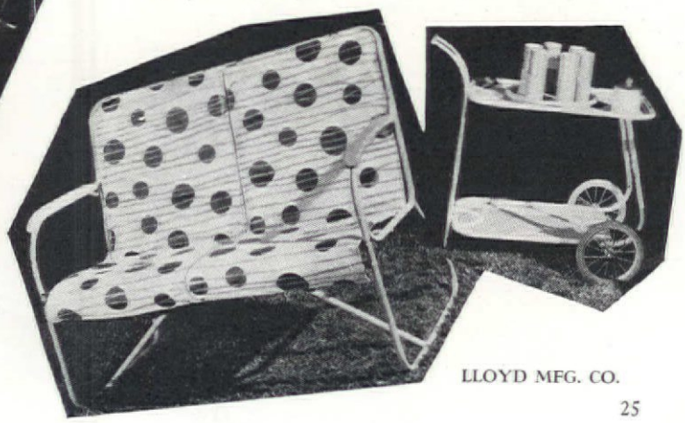
and new strong colors in upholstery fabrics and in umbrellas.

Illustrated on these pages are two sun cots with adjustable backs, so that you can either lie out flat, or be propped up enough to read. One, shown at the top of opposite page, can be converted into a single bed for the unexpected guest. The other, page 26, is equipped with rubber-tired disk wheels and convenient front handle for moving at will. Three gliders are also illustrated on page 26. At the lower left is one in rust color with metal cane arms and chromium trim. The upholstery is done in brown, rust, and yellow. The one with the channel cushions of lily-patterned fabric is known as a "bed glider," since it can be converted into a comfortable bed by letting down the back. A smart plaid fabric in wine is used on the third glider, which comes with small roll cushions for extra comfort. Canopies may be ordered in colors to match.

TROY SUNSHADE CO.

Umbrella groups, with table and chairs are one of the most practical items for the lawn, and new umbrellas are in stripes and plaids as well as solid colors and novelty patterns. At the top of this page is a striped parasol on its own stand, with a chair covered in matching canvas, and an accompanying small but essential table. The photograph at the bottom of the page shows a plaid umbrella supported by the table itself. Chairs to go with this can have metal cane backs and seats, or have canvas lashed onto the metal frame in seamanlike, or nautical, fashion.

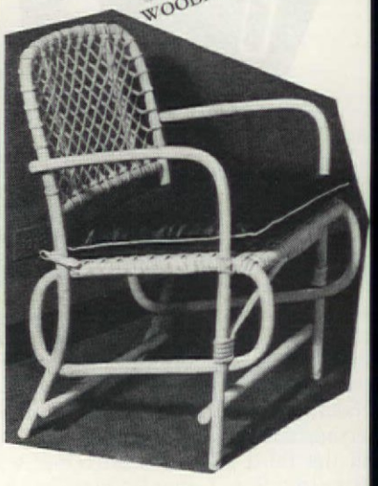
Summer furniture which will accommodate a group of people is an essential, and on page 24 are several different ideas. Quarter-round seats of reed, and a huge disk of a low table are set under a wide canopy in the photograph at the top. The channel back cushion alternate three different colors. Below, a more conventional reed sofa and chair are covered with rough textured materials, and between them is set a convenient coffee table. At the lower right are just the chairs for the cottage-by-the-sea, with their life-saver cushions in bright blue. The little table has a



LLOYD MFG. CO.

HEYWOOD-WAKEFIELD

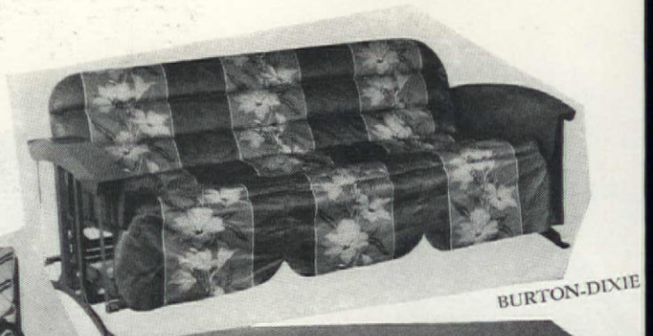
WOODARD FURNITURE C



handle which makes it in reality a "serving" table—very easily transported.

Some of the new smart metal furniture will give you some grand ideas. At the top of page 25, a spring base chair has as its companion piece a teacart on wheels, the two removable tray shelves also of metal cane. At the bottom a loveseat of tubular metal is also accompanied by its teacart, of the same material. Note also the "snow-shoe" chairs and the standard height table at the top of this page, and the picturesque iron chair, with its looped back, which would be charming to use for supper on the terrace, at a glass-topped iron table.

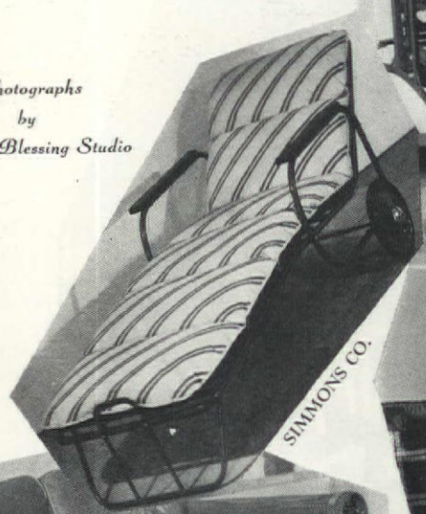
Never before have the shops offered such variety in terrace and porch furnishings to lure us to the great outdoors as they have this season



BURTON-DIXIE

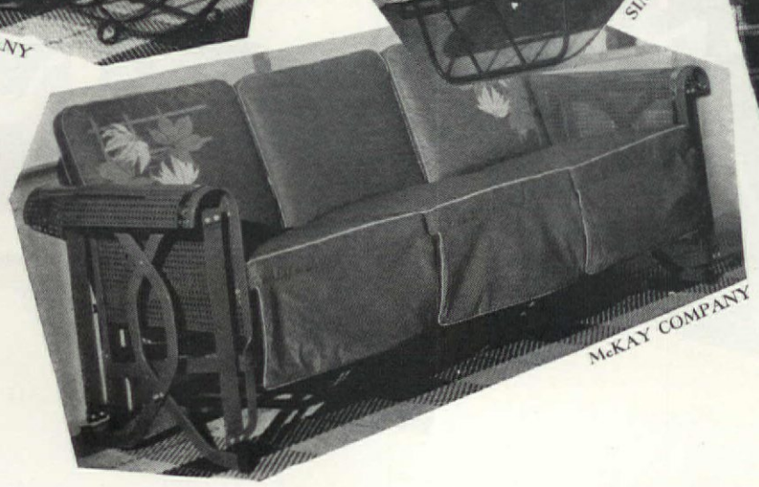
Photographs by Hedrich-Blessing Studio

McKAY COMPANY



SIMMONS CO.

THE HETTRICK MFG. CO

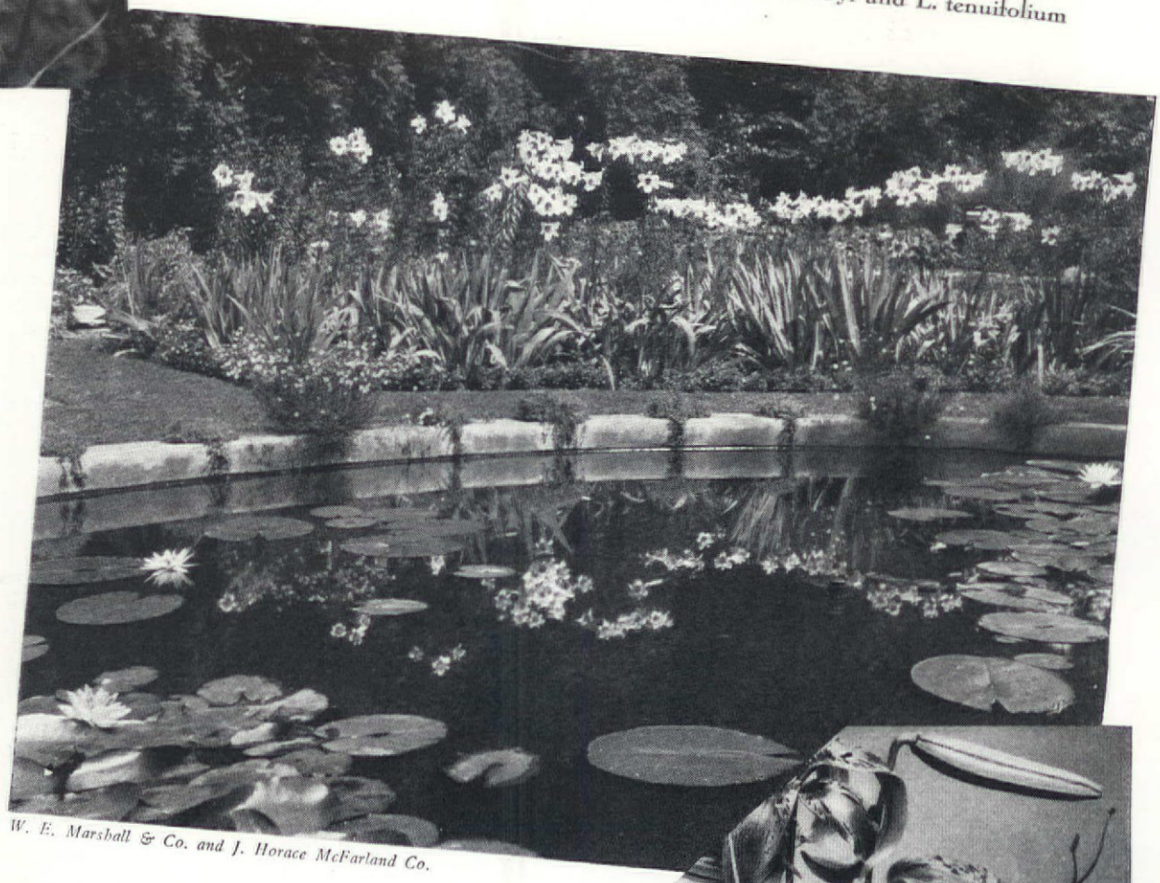


McKAY COMPANY

LILIES—start them now for next year

ESTHER AYER MILLNER

Here are kinds that can be grown from spring-sown seed: At left (with that enthusiastic expert, W. E. Marshall) the dream lily (Lilium philippinense formosanum); below, L. regale by a pool; from the Orient, L. henryi and L. tenuifolium



W. E. Marshall & Co. and J. Horace McFarland Co.

SURELY there are no prouder gardeners today than those who can point to a fine clump of lilies in flower and say, "I raised those, myself, from seed." It may well be a matter of pride, for while raising lilies from seed is not difficult once you have learned how, there are, at first, many unsuspected pitfalls—unsuspected because conditions essential to the successful raising of lilies are not those to which we have had to give much thought in raising other perennials. I failed with them utterly the first three years I tried them; today, the work seems easy and more interesting than raising anything else from seed.

This is the very time to start—outdoors, in cold frames or open seed beds. By following a few simple directions, you can reasonably expect dozens of strong, disease-resistant bulbs.

Since germination gets poorer as the weather gets warmer, it would be well to order seed at once unless you already have it on hand. Many of the seed catalogues are now listing lily seed. Three kinds—the regal lily (Lilium regale), the new Philippine lily (L. philippinense formosanum), and the coral lily (L. tenuifolium) are among the very best, and are to be found in nearly all the lists.

Both seed and bulbs of the splendid regal lily are apparently the easiest of all to handle. But to the many who have been sowing seed from their own regals let me recommend for trial the other two just mentioned. Both come into bloom from seed more quickly. Practically every bulb of the philippinense will bloom the second year; if seed is planted early enough in the spring, some will bloom the first fall. The coral lily will do almost as well. Seedlings of both require slightly more attention than the regals, but they are not difficult and they greatly extend the lily season, for the coral lily comes in late spring, and the philippinense blooms just as summer is giving way to fall.

The coral lily, a native of Siberia, and one of the hardiest garden lilies, has been planted widely. Its brilliant scarlet, waxy blooms and dainty habit of growth make it a gem in the spring garden. With yellow irises and white columbines, it is a picture. It germinates quickly and very freely and planted in full sun and light sandy soil it grows beautifully.

The philippinense (or dream) lily, although a newcomer, is rapidly becoming very popular. Several catalogues this year are offering seed of the improved pure white variety, which is most desirable; it is quite like the Easter lilies that we buy in pots, except that the flowers are creamier and much larger. Their freshness and exceeding beauty coming at the end of a long hot summer, make them especially appealing. Not only does the seed germinate well, but with plenty of moisture, the seedlings grow rapidly.

With the seed in hand, a cold frame is the best place to sow it until killing frosts are over. The seedlings of even the hardiest varieties of lilies are killed outright by light frosts. Since early sowings are generally the most successful, if no cold frame is available, sow them in boxes in the house. Use light soil and keep it moist all the time; keep the boxes covered with several thicknesses of newspaper until germination takes place. After most of the seeds appear to have sprouted, set the boxes outdoors during the day, but do not let sun or wind dry the soil out. Transplant the seedlings to an outdoor seedbed after the weather has become thoroughly warm and settled as to temperature.

In sections where spring is already well ad-

[*Please turn to page 115*]

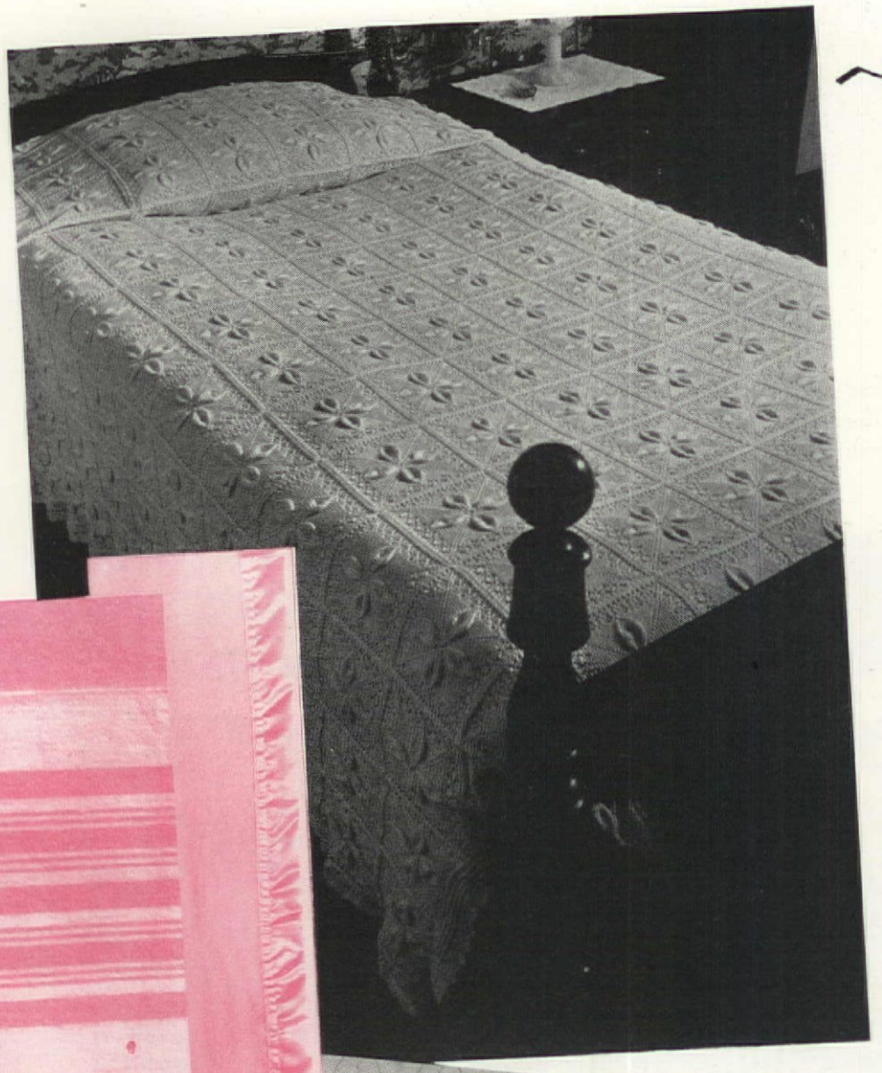
The Pink FOR SUMMER

CHRISTINE FERRY

BECAUSE of its size and consequent importance in the decorative scheme, a bed and its dressing have ever been a challenge to women of artistic sensibilities. First there is comfort to be taken into consideration, then color and beauty. From time to time the spotlight of popularity is focused on bedspreads employing such needle arts as patchwork, quilting, appliqué, tufting with candlewicking, knitting, crochet, and varied styles of embroidery. There have also been many elaborately patterned textiles hand loomed for this specific purpose. All have had their place in the sun during different periods and are intimately associated with bedroom decorative schemes.

Pieced patchwork makes a delightful coverlet for both pine and maple beds, the bright reds, yellows, and blues of the quaint old calico prints being quite in keeping with the tawny orange tones in the wood. The star pattern, illustrated in lower left corner, is a fine example of the best of these old quilted patchwork coverlets. It is banded with the Turkey red calico which was so highly prized.

Then there were the quilted appliqué coverlets, usually made in blocks but sometimes in one piece with a central ornament and border. Quite a social occasion was the quilting party when the coverlet was finally put into the frame, in fact, as much an occasion for merriment as the cocktail party of today. Illustrated on page 29 is such a coverlet made in New York state over a hundred years ago, a copy of an even earlier one which appears to have a very definite Pennsylvania Dutch ancestry.



Patchwork—One of the finest of old pieced patterns, medallion stars of appliqué quilting. Courtesy of Gould Crosby. Right: Weaving—An old, colorful coverlet hand-loomed in Kentucky

Top: Knitting—This is the popular "kitten's ear" design. Courtesy of Mrs. L. R. W. Leland. Left: Warm blanket "sheets" have a stitched finish at the edges. Nashua Mfg. Co. A summer weight blanket comes in lovely pink or hyacinth blue, satin bound. North Star

f Perfection

BEDS

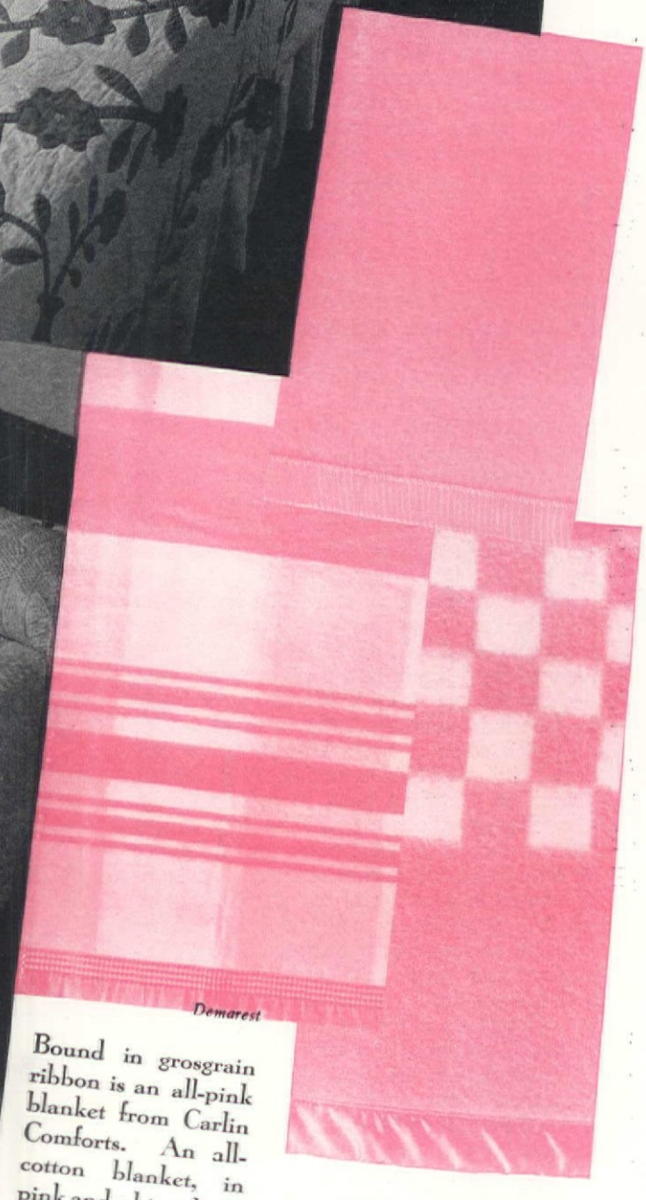
Appliqué—of Pennsylvania Dutch influence. Courtesy of Mrs. George Kendrick. Below: Crochet pattern. Courtesy of Mrs. B. M. Adams

There are three circular wreaths of leaves and lossoms, the first 13 inches in diameter, mea- uring to the outside of the stem, the second 26 nches, and the third 40 inches, and beyond is a ourth wreath which breaks at the sides to per- nit the border to run continuously along the dge. Stems are cut on the bias and finish ¾ inch, eaves are 3½ inches in length by 1¼ inch width t the widest part, and the flowers finish 4 inches n diameter. These measurements are given be- eving that many will wish to duplicate this nusual design.

To make a rose pattern, take a 4½ inch quare of paper. Fold crosswise each way, then iagonally from corner to corner and again mid- ay. Cut a half scallop ½ inch deep from one old to the next. Unfold and shape evenly. Make cardboard pattern and cut material for patches y this, making a circular opening about ½ inch

[*Please turn to page 98*]

orge H. Davis Studio



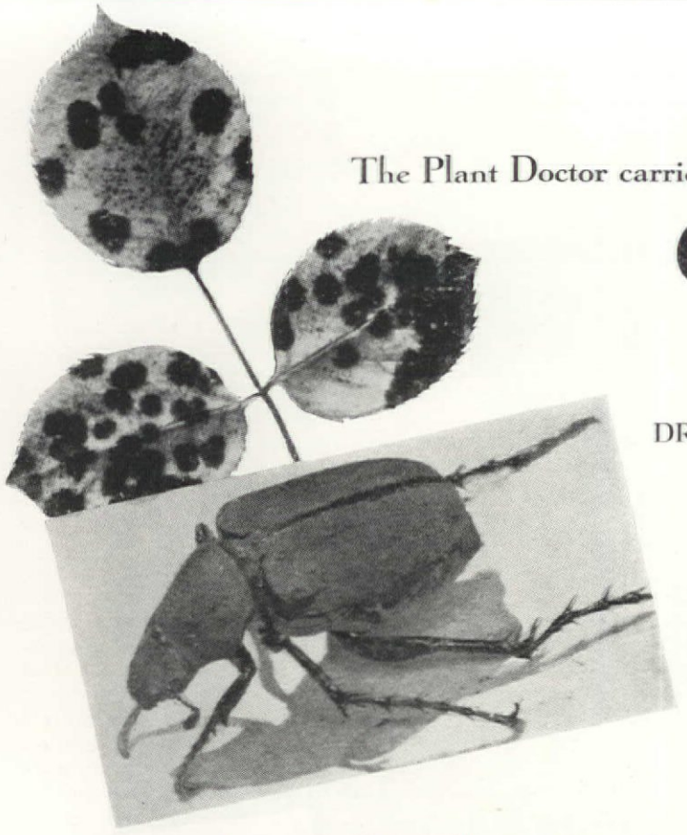
Demarest

Bound in grosgrain ribbon is an all-pink blanket from Carlin Comforts. An all-cotton blanket, in pink and white plaid, is sateen bound. Nashua Mfg. Co. The checkerboard wool blanket at right, with wide plain border, is a St. Mary's product

The Plant Doctor carries on . . . Part II

One hour a week enough

DR. CYNTHIA WESTCOTT



Two enemies of roses: black spot on a leaf and the ungainly rose chafer which also dotes on peony blooms . . . Below, a twig badly infected with the cottony maple scale

ARE you ready for another professional tour of your garden like the one we took in late March? . . . This time bring along your clippers and a large paper bag.

Today I am more interested in investigating the lacebug situation than anything else. You remember last time I mentioned those yellowed leaves on the rhododendrons. Practically every rhododendron *growing in the sunshine* has lacebugs—beautiful, insidious agents of evil. They lurk on the underside of the leaves, sucking out the plant sap, and stippling the upper surfaces with yellow or white. Turn up these unhealthy leaves; take my hand lens and look closely at the tiny brown spots. They are eggs and when they look a bit wet, like small drops of molasses, they are ready to hatch. Here are a few already in the next, or nymph, stage—tiny brown and gold wingless babies. The adults will be small, too, less than a quarter-inch long, but with the loveliest lacy wings.

Now that they have started to hatch, you must be sure to get on your first spray for them soon—within a day or two. But you will have to spray again in a week or so anyway, because the eggs keep hatching over a fairly long period; and even if they were all out at once you could not get a one hundred per cent "kill" with one spraying. Any contact insecticide that is a good spreader will do. Use nicotine sulphate and soap (one and a half teaspoons of the former and an ounce of liquid soap or a cubic inch of fine laundry flakes in a gallon of water); or use any reliable proprietary compound containing nicotine, rotenone, or pyrethrum. Spray thoroughly and *from underneath*. Go back and lift up the leaves to see if they are all wet. If you do not do a thorough job now, there will probably be a second brood in July.

Although, around New York, I am most concerned about the lacebugs on rhododendrons, I have found them rather bad at times on hawthorn and occasionally on azaleas of the hinodegiri type. In the South they are especially prevalent on pyracantha.

FOUR-LINED PLANT BUG. That's another pest that I always watch for at this season. . . . See it, looking at you from that chrysanthemum leaf? Watch it scuttle underneath as we approach. It looks something like a small bettle, greenish-yellow with four black stripes; but actually it is a true bug—a sucking insect. Wherever it sticks in its beak, a small, depressed, tan spot is formed in the leaf—light and prominent on peonies, thistles, and others, darker on delphinium and such shrubs as aralia. Several insects working on a single leaf tip will make it appear dry and shrivelled.

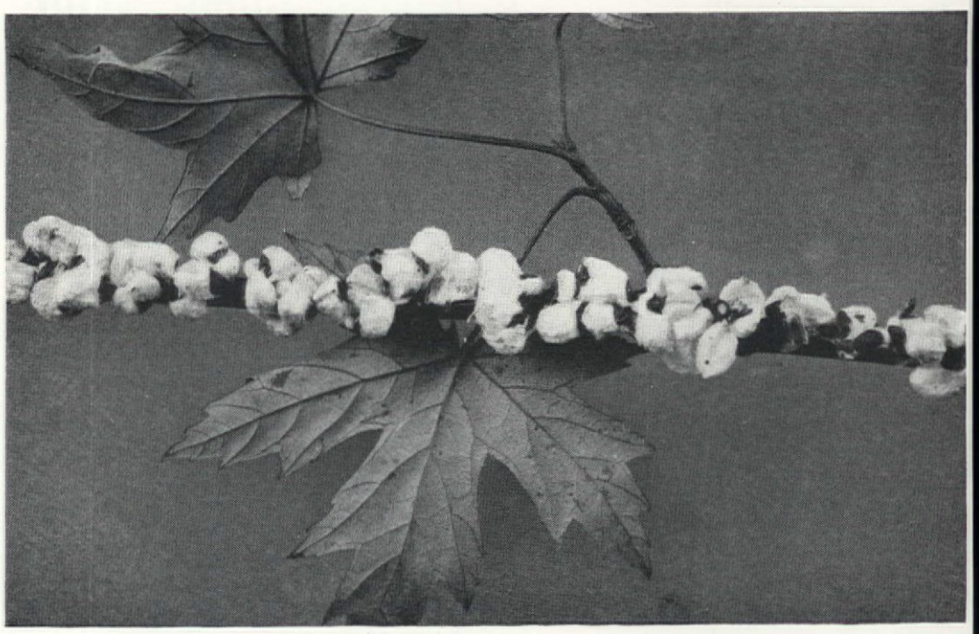
And do you see these tiny fat, red bugs? They are the young (nymph) stage of the same insect. If you try to get them with a spray they are apt to jump to the next plant before they are hit. I think the best plan is to fill your dust gun with a rotenone combination and send up a big cloud of dust to confound them before they can get away. Some people tell me that straight sulphur dust works, but I have not been as successful using it without the rotenone. You may have to spray or dust frequently for about five weeks —that is through June—to control this pest.

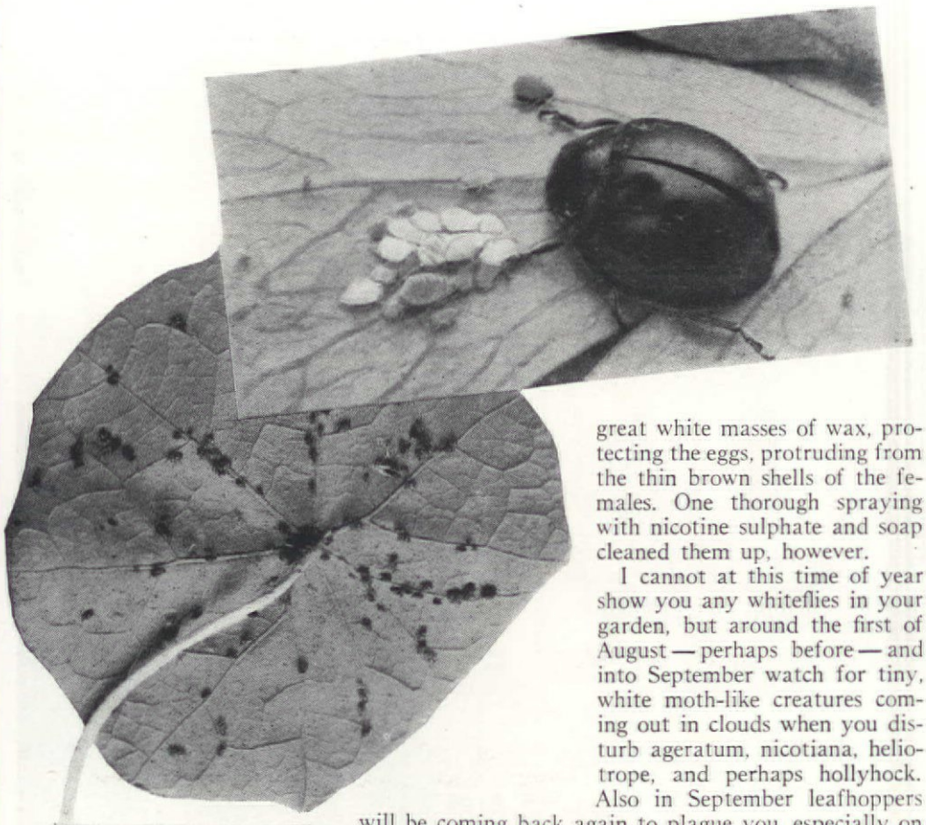
APHIDS. Without any words from me you are going to be continuously reminded to do something about aphids as the season goes on. You'll see them—you can't help it—clustering on leaves, shoots, and buds: black ones on nasturtiums, pink or green ones on roses, yellow and brown ones on lilies, red ones on annual larkspur or on eupatorium. And you are sure to be cross enough at them to douse them immediately with any contact insecticide you may have at hand. A pyrethrum, rotenone, derris, or nicotine spray (or dust) will work, for aphids are soft-bodied insects and easily killed if you hit them.

You know, don't you, that the red, black-spotted lady beetle feeds on aphids? But are you familiar with the dragon-shaped larval stage—black with orange and blue spots along the sides? This also does yeoman service for you, so be sure not to kill it.

SCALES. Although the dormant spray you put on in March takes care of most of your troubles in the way of scale insects, do not trust it alone to control the euonymus scale. Look for a new generation hatching in June and July—slender white sticks of males, the females brown and shaped like the oyster-shell scale. Infested leaves will be yellow and conspicuous. Spray with nicotine sulphate and soap or, if you are careful, with one of the summer white oils. If the day is too hot or if you use too strong a concentration, the oil may cause burning. Follow the manufacturer's directions exactly.

There is another scale that may turn up in the summer, if you did not notice the small, brown, inconspicuous winter stage and get the host plants sprayed. This is the cottony maple scale (shown below), sometimes found on that host but also on many others. Last year I saw a good many dogwoods with





Aphids—see below at the left on nasturtium and iris—like practically all garden flowers. Fortunately "lady beetles" are fond of aphids; here is one at work

great white masses of wax, protecting the eggs, protruding from the thin brown shells of the females. One thorough spraying with nicotine sulphate and soap cleaned them up, however.

I cannot at this time of year show you any whiteflies in your garden, but around the first of August — perhaps before — and into September watch for tiny, white moth-like creatures coming out in clouds when you disturb ageratum, nicotiana, heliotrope, and perhaps hollyhock. Also in September leafhoppers will be coming back again to plague you, especially on roses. Contact insecticides, again, for both of these pests.

SPIDER MITES. Where is that paper bag? I know you have been treating the delphinium for mites, but they are most difficult pests to banish. Pick off and put in the bag this black, stunted flower head and those deformed leaves. And keep right on dusting with sulphur or else spraying every few days. *This* plant is too far gone to save, I think; so dig it out, for it is only a menace to the others. You must keep everlastingly after this pest all season long.

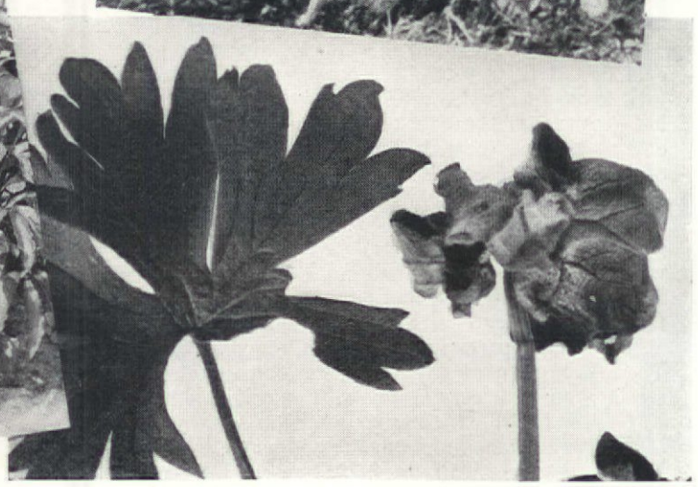
Red spiders and other mites become more prevalent in hot weather and particularly during periods of drought. Give all the evergreens a good dusting with fine sulphur now. Some of the inside needles are already turning brown. In severe infestations there will be cobwebby masses between the needles and all of the branches will be brown towards the interior. On phlox, red spider turns the foliage yellow and covers the under surface of the leaves with mealy webs. With good eyes or a lens you can just see the minute mites; they are as often yellow as red.

PEONIES. I see that you are blessed (?) with rose chafers, which appear to be even fonder of the big, light-colored peony heads than of the roses. You might as well resign yourself to spending three or four minutes each day going around with a jar containing water with a layer of kerosene on top, and flipping the beetles into it. The season is short and hand-picking is by far the best control measure, even if you do sputter about about having to do it.

The black peony buds are caused by the Botrytis blight that I told you about before. Here are a few infected buds already covered with the soft, gray mold. Cut them all off and shut them into the paper bag quickly, before you shake the spores over healthy plants. Come back and cut off all the flower heads before they fade. Otherwise, infected petals will either drop down

[*Please turn to page 90*]

Three troubles that menace herbaceous perennials: Right, a plantain-lily destroyed by crown rot and, behind it, a healthy one; below, left, a normal peony plant and beside it one stunted by nematodes; right, a healthy delphinium leaf and one injured by the cyclamen mite



CASITA . . . A back yard recreation room

GENEVIEVE RUDOLPH GRUELL

For a long time my husband and I had been interested in a recreation room. We read all the articles we possibly could on this subject and found that the majority of them were made in the basement. Such a room for us was out of the question, because we live in California where basements, in small houses, are few and far between. Then we conceived the idea of building a complete unit in our back garden. We visited the lumber yard and the figures given to us for a room, thirteen by twenty, were very discouraging. Then, from some neighbors, we were given the inspiration to use old material in building one.

The company my husband works for discards a great deal of old lumber that the employees may use for fuel. From this "wood pile" we salvaged enough lumber for the whole house except the finish boards on the outside and the knotted pine paneling inside. A batch of hollow tile (seconds) form the two-foot foundation set upon a firm footing of crushed rock and cement. They were given a coat of cold water paint and now give the impression of an adobe wall. The fireplace was copied from books found in the library, and built from old brick that we had been collecting for a long time—and a very effective one it is.

Second-hand garden tiles were used to make the floor. These were painted on the underside with tar, then set in sand with cement joints. The completed floor was washed first with muriatic acid and water, and later with a solution of ammonia and water. When the house was finished all the boiled linseed oil the tile

An expenditure of $60, our own labor, and plenty of good advice from our friends produced this result

l Obert

would soak up was rubbed on them, and then they were waxed and polished. The result is a shining red floor, a lovely background for our bright crocheted rugs.

The boards that were used in the ceiling, door, mantel, and shutters were treated like the proverbial toast; well burned, then scraped. This was accomplished over our barbecue pit and with the aid of a wire brush. After that job, one could easily step into a black-face act, but the effect achieved is one of great age without any expense whatsoever—either to the face or to the board. The window frames were the most tedious job, but after a succession of failures they, too, were built. Small panes of glass were used, puttied in, very crudely to give the effect of mud. The frames, we built to take a standard size of glass so that we could buy the latter by the case quite inexpensively. The Dutch door, as in a Mexican house, is made of 2 x 12's, the division cut half moon instead of straight.

The shingles have a history and what stories they could tell! Some were gathered from a torn down shack that gangsters had used as a hideout. Others, after weeks of waiting, were found on a lean-to of an old adobe in Santa Barbara that was being wrecked to make way for progress. They were all given a good

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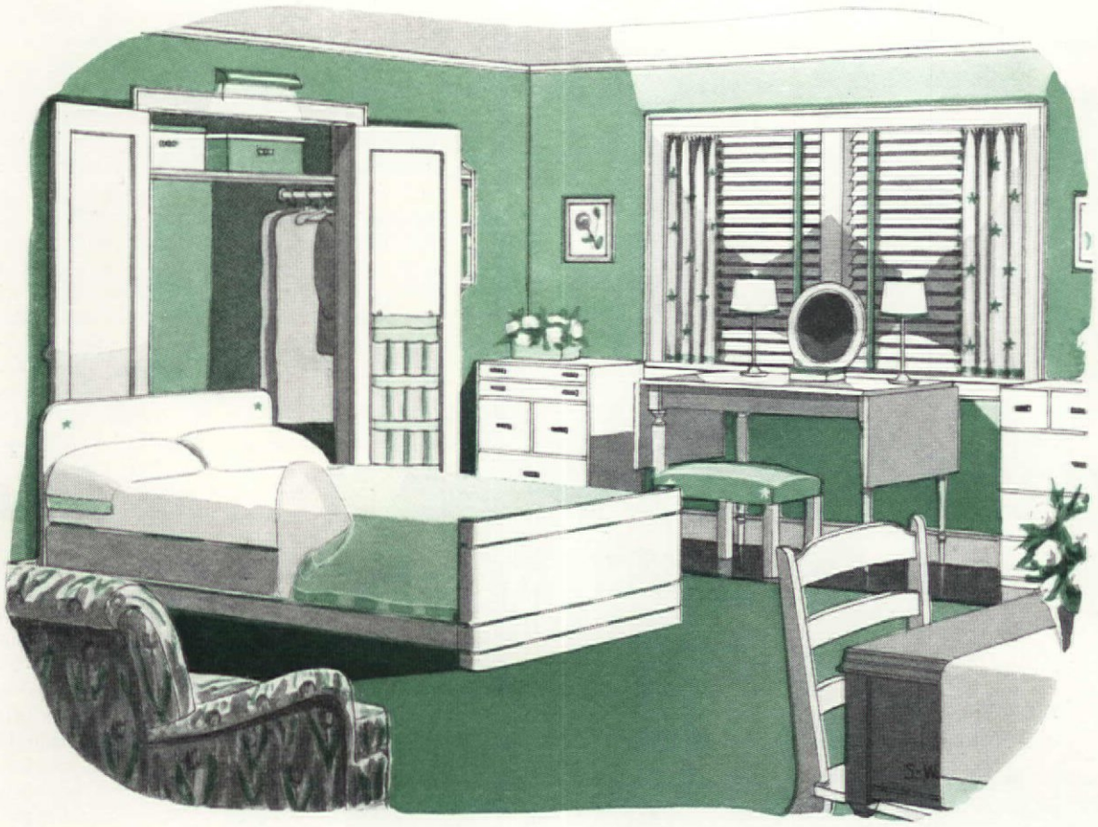


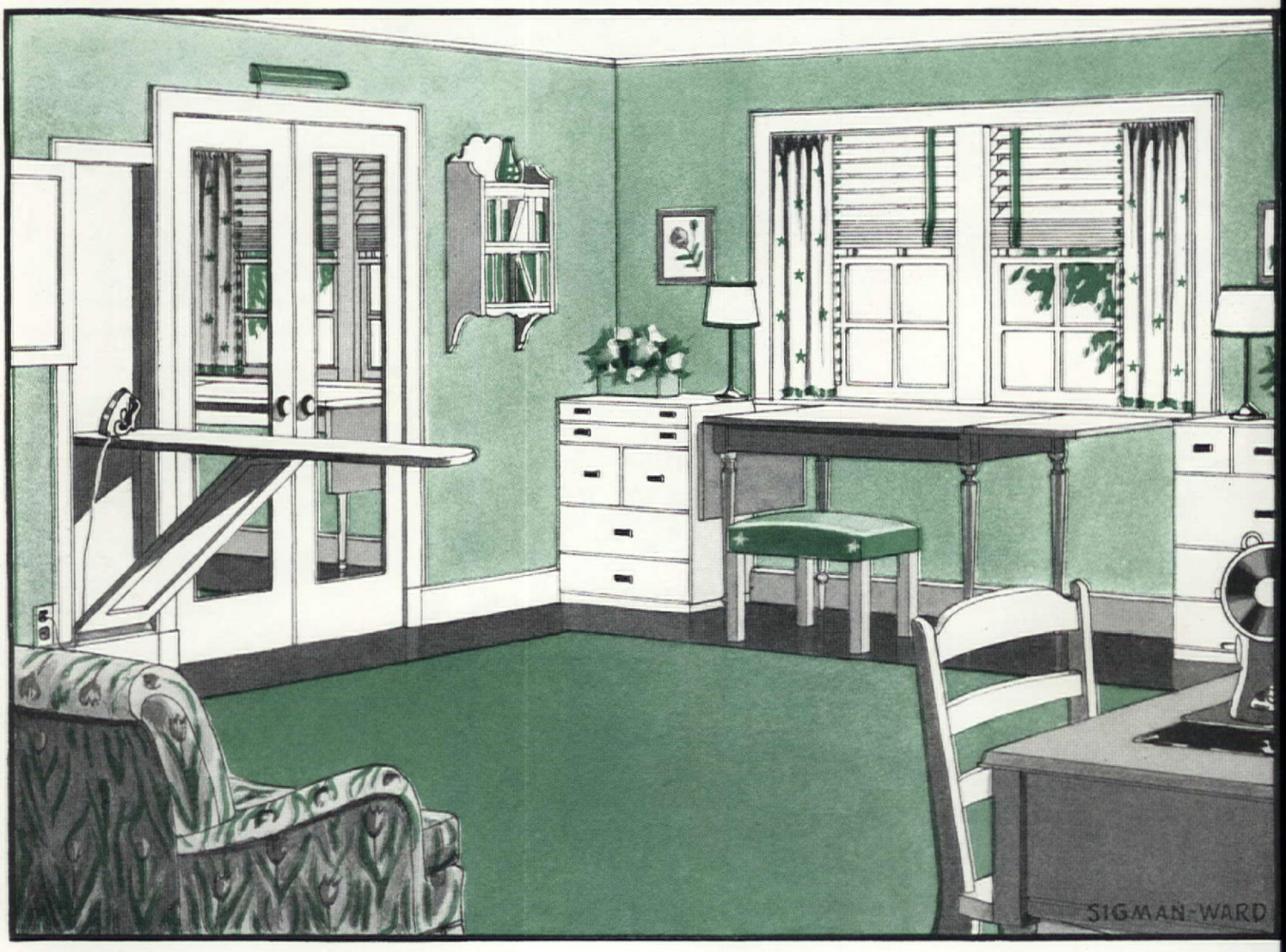
Guest room

You

By combining the guest room and sewing room, the guest is not made to feel that he or she is "doubling up" or discommoding the household—yet the "guest room" is not hurting your conscience every time you pass it by with no occupant to justify its existence

FLORENCE BAUGH

Sketches by Sigman-Ward



not paying its way?

simply must have a sewing room? COMBINE THEM!

We are doing much economizing of space in our houses these days, yet many modern homes still have one room furnished and set aside for the occasional guest. Furnished as it is, the room is not usable for anything but a bedroom. Have you a room like this in your house? Are you a woman who has always longed for a sewing room? Then make this extra room serve the double purpose of guest room and sewing room and both will pay their way in your space-economy program!

Everyone will have a different problem to face in fixing up this sewing-guest room, so what I have to offer can be only suggestions on a few of the essential characteristics of this combination room. First, equip the room with a "rollaway" bed that will fit into the closet. With the bed out of the way, there will be ample room for sewing machine and work table to be moved around into the most convenient places. If this is impossible, a studio couch is the "next best" thing. And when guests arrive, the sewing equipment can be pushed back, the bed made up, and the room is ready for occupation.

The work table in the sewing room should be made to order so that you will get the height that is best suited to you and the size that will fit best in your room. I would suggest a table about thirty inches high, made with a smooth-finished hardwood top about forty-two inches wide and forty-five inches long, with an eighteen-inch drop leaf at each end. The table should be low enough to enable you to sit at it and work without tiring your shoulders by lifting your arms too high. A table forty-two inches wide makes it easy to unfold thirty-nine inch material and cut it single. The drop leaf at each end gives you a long table for cutting, yet takes up less space when the bed is in the room. With the leaves down the table can be used as a desk or dressing table for the guest.

A built-in or a portable ironing board should be a part of the sewing room equipment, for the rule of stitch and press is an important one in good dressmaking. A full-length mirror is another necessity. It can be one on rollers so that it can be moved wherever the light is best, or it can be built into the closet door. A light on each side above the door will help if the closet is situated in a dark corner.

The closet will be needed for the rollaway bed. If you have two closets in the guest room one can be used for the bed and the other can be fitted up with drawers in one end and a rod for hanging space in the other. If the single closet must be used for the bed, then the necessary drawer space must be built into the room, and the drawer space is almost the most important part of this sewing room. The sizes and shapes are designed to fit the things used in the sewing room and thus do away with those suit boxes of patterns shoved up on the closet shelf, those piece bags hung way back with all the old clothes that are not quite wearable but might be made over some day, and the candy boxes of buttons and trimmings that are "around here somewhere." The size and shape of your room and the amount and kind of sewing you do will determine the exact size and number of these drawers, but here are a few suggestions for you to work into your plan.

You will want two or three deep, narrow drawers for patterns—similar to those at regular pattern counters—so that the envelopes stand upright in the drawers and can be thumbed through without disarranging all the patterns. And you will want a spool drawer, a shallow, wide drawer with partitions, also similar to those found in department stores. A drawer, or part of a drawer, deep enough for cards of bias tape to be put in will make the search for the right color easier. You can keep these empty cards to wrap ends of lace and ribbon on and keep them in this same drawer. The button drawer should be fairly shallow and divided into two sections, one for ordinary buttons and one for trimming buttons. Any of these drawers could have a section divided off for pins, needles, scissors, tape measures, and notions.

As a substitute for that old piece bag, three large deep drawers will be found very convenient; one for silks, one for cottons, one for woolens. If there is no hanging space left in the closet a small wardrobe can be built in with the drawers. A large hanging space is unnecessary; you will need only enough room to hang up the clothes on which you are working. A few inconspicuous hooks or a rack or a swinging rod might serve the

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DO YOU PAINT—OR JUST "DABBLE?"

We are forever hearing how the faces of women past the thirty-year mark may be practically made over by properly handled make-up. Although that point is perhaps still open for discussion, there is one case where rejuvenation with new make-up definitely *does* work. That is with old furniture. The most amazing changes are effected by those proficient with the paint brush. At some time or other in their lives, every woman is moved to try her hand with some favorite piece of furniture, which, through hard usage, begins to look seedy. It is a natural inclination, when we see such remarkable transformations made by expert refinishers, and too, all women apparently like to dabble with paint.

Dabble is right. How does the newly painted breakfast set look after all your efforts? Definitely amateurish, it must be admitted. And always the question is, why? It looks so simple when we see an expert refinisher at work.

It has for a long time been the writer's opinion that there was no reason why amateur paint jobs should be festooned with ropes of superfluous, half-dried paint. If just once someone would be generous enough to tell us step by step how to proceed, home painting *should* be successful. Craftsmen who wield the brush seem to be most evasive about this necessary information, as if it might be bad business to divulge such professional secrets. About all any of us then could do was to go to the nearest paint shop, buy mixed paint, a brush, and hope each time for better luck.

Sometime, we felt, it was certain that some generous soul was going to break down and tell the guarded secrets of the fraternal order of furniture refinishers—and sure enough! A young man, named Ralph Burke of Beverly Hills, California, who has made quite a name for himself in painting and doing over furniture, has agreed to tell us the fine points that have led to his success. According to Mr. Burke, there are two reasons why amateur paint jobs are such dismal failures. First, we do not prepare the wood surface correctly before we start the job, and, second, our paint is too thick. To have a smooth finished surface in the final analysis, the under-surface must be smooth, and our paint must flow on. The brush should never feel as though it were pulling through the paint mixture.

To give definite instructions for different types of paint jobs, we shall use specific pieces of furniture that Mr. Burke has refinished for clients. A bed in the home of Mr. and Mrs. William Roland Moore was an old ivory one purchased at least fifteen years ago. Originally, the footboard was as high as the headboard now is, and the headboard was twelve

[*Please turn to page 93*]

Professional secrets

divulged by

MARTHA LOUISE BRINDLEY

Picnic
with a charcoal brazier

MARION W. FLEXNER

The fire is laid and ready to be lit. Note the open vent facing the wind. The steak is turned constantly while cooking, and when it is done it is transferred to a large pan, browned in butter, and then well salted

THOSE of us who travel in the South off the beaten path have often paused in front of a tumbled down log cabin, lured by the enticing aroma of cooking food. We know without further investigation that some colored mammy is preparing the family dinner on her old-fashioned charcoal brazier, and what has lured us across the parched cotton fields to her humble shack is the combination of charcoal smoke plus sizzling steak, chops, chicken, or bacon, as the case may be.

Long ago we added a brazier to our kitchen equipment and wouldn't be without it for the world. There are various types of portable charcoal braziers, but the cheapest and handiest model is a tiny pottery affair encased in galvanized iron. At first glance it resembles an ordinary scrub bucket lined with pottery, but on closer examination we find a false bottom about six inches from the top with numerous holes the size of a dime. This is to allow the ashes to drop into the true bottom, four inches below. On the outside and lower part of the bucket is a small vent or window. When cooking, this should be opened and if possible should face the wind. There is only one warning. *The stove must be used out of doors!* Remember the early Victorian novels where the heroine or hero died by stuffing the cracks of the room and lighting the charcoal brazier? Outside of this factor the brazier is safe—safer than the average out-of-doors fire, for there is no danger of the blaze spreading. We must remember, however, to place our stove on a stone or dirt surface, especially when we use it in our garden, as the heat will destroy grass or other vegetation.

Now we are ready to build our fire. Unfortunately charcoal made from southern pine is rarely available in most sections of the country—hickory, apple, or oak being substituted. And since hardwood charcoal does not burn easily, it will be necessary to place paper, small sticks, or excelsior on the false bottom of the brazier before adding the charcoal. A still better method is to pour a little kerosene or coal oil over the whole before lighting the fire. The smell of the kerosene will have died away long before we are ready to cook our food, and the whole process will be shortened by many minutes, for we do not cook until our blaze has died away, leaving a bed of red embers. This takes between fifteen and twenty minutes.

While our guests are watching the fire it will be well to pass our drinks—mint juleps, if we are in our own garden. Our menu follows:

Back yard picnic menu

Grilled steak with barbecue sauce in finger rolls
Fried corn or potato chips
Whole tomatoes (quartered) Dill pickles
Toffee squares Fresh peach ice cream Iced tea

On another table we have already placed a large platter of tomatoes, tiny dill pickles, a generous sized pitcher of iced tea, a smaller one of lemon juice, a sugar bowl, a tray of finger rolls, sliced and buttered on one side, paper plates and napkins, paper spoons and forks.

Our fire is just right—a bed of glowing coals. Over the top of the brazier we put a small wire grill. Now we are ready to cook our steak—a sirloin cut two, or two and a half inches thick, and weighing 5½ to 6 pounds—enough to serve six. We pepper the meat heavily on both sides, and if we are familiar with the tastes of our guests, rub the steak with garlic. Then we place our meat on the grill. It must be turned often, and a two- or three-pronged fork with a wooden handle will be found most satisfactory. The steak, after fifteen or twenty minutes, will have acquired a semi-charred crust. If it is preferred rare, it is ready to be removed to a long pan. Not until this moment is the meat ready to be salted. This is done on both sides. The steak is heated again and half a pound of butter allowed to melt and brown in the pan. Baste the meat well and slice in pieces one inch wide by four or five inches long. Dip the buttered side of the roll into this gravy, add a piece of steak and serve at once.

A very good barbecue sauce may be made by adding four tablespoons of ketchup, two of Worcestershire, a teaspoon of prepared mustard, and twelve drops of Tabasco sauce to the browned butter. Let it simmer two minutes before using.

At the same time the steak was cooking some of us have busied ourselves with the corn, but unless there is another brazier handy, it would

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Families are not Vacations

R. W. Hill

IT TOOK no small amount of will power to put aside resolutely the beautiful travel olders when it came time to write of vacaions. Each year they become more alluring nd in the most hardened old heart stir up a ostalgic urge for some new adventure, scenic xperience, or a last fling at romance. But this ear I wanted to ask you to "think" about his coming vacation of yours, rather than look" at vacation possibilities in these pages. Ve will, by personal letter, help you plan our vacation, but today let's just discuss it rom another angle—the spiritual necessity or each member of the family to have his or er own vacation.

Your family may be different and your ousehold may have escaped any depression lights, but it has been my observation that ost families have become overdeveloped motionally and spiritually impoverished—atural after-effects of so strange a "jag" as his past depression. All of us dabbled a bit n child psychology, self analysis, and all

Of course he will be sadly neglected and miss you (but don't press him too hard on this question). Just try leaving him—if you can face the certainty that he *can* have a good time without you . . . JEAN AUSTIN

manner of isms, until our little houses fairly burst their sides containing such inordinate quantities of "personality," "individuality," and "self-expression." Our terror of repression impelled us to some pretty foolish extremes in adult behavior and unwise oversights of adolescence cussedness disguised under tony names. We all stridently insisted that "temper" had been taken out of temperament, thought it "such fun" to buy cheap things and palm them off as "smart," and went in for streamlined carpet sweepers and Victorian clothes. All very exciting, strenuous—and indeed impoverishing, to describe it mildly.

Then summer would come along, and the necessity for a family vacation. It was pretty old fashioned, and mighty hard to "fall to" as one unit. We did our valiant best to remember that consideration for others was the only hope for a successful vacation for ourselves. And considering the great span of years, temperaments, etc., we made a pretty good job of it too—for two or three weeks. But weren't we also secretly a little relieved when it was over? Of course we had a marvelous time, hated for it all to end, but it was "good to get home again." Well now I wonder. Was not this one-for-all and all-for-one attitude as exhausting in its way as the strident individualism practiced at home?

As a financial necessity, I have no quarrel with family vacations. But I do maintain that with a little careful planning, it is rarely a financial necessity for an en masse vacation. I maintain that packing up two or three children in a car and heading for some beauty

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A "little touched" and our eyes shut tight . . . .

DOROTHY MAYWOOD BIRD

IT TOOK audacity, and stubbornness, and even a dash of insanity to rejuvenate Hamilton Place, for only people a "little touched" would take a great, dingy rooming house variously dubbed an "eye-sore," "a rookery," and a "white elephant" and expect to turn it into a lovely private residence, all on $4,000!

We bought the place with our eyes shut tight. When we opened them, this is what we saw: a drab overgrown structure, with several sagging porches and ugly composition roof; the inside consisting of six bedrooms and bath upstairs, and three bedrooms and bath downstairs along with living room, dining room, and kitchen—all dark, battered, stuffy, and inconvenient. The basement had no floor; bath water was heated by a rusty laundry stove; soft water came via pail and rope from a dirty, inadequate cistern in the side yard.

As we looked over our mad purchase, we could find only five assets: the location on a river bank, where swans swam past the back door and simply gorgeous elms and maples clustered, was superb; the frame-work and white-wood siding were practically as sound as on the day of their first nailing; there was a hot water heating plant, even though it didn't work; the stone-work at the back was pretty; and the rooms could be rearranged without tearing out any partitions. But except for that charming bit of stonework, everything about the house proper, both inside and out was ugly, and gone to seed. If it were to be made habitable again, every inch of it would have to be done over completely and with painstaking care.

After deep consultation, we budgeted our four thousand as follows:

For carpentry and masonry including, of course, all materials, $1500. The house was first reroofed with the best quality of cedar shingles; square Colonial posts were substituted for the oddly assorted porch pillars and posts; the southeast porch was torn off: the bay window given a stone foundation and new roof; and a new entrance made into what was to be the library. The south porch was widened and screened, the top being developed into an airing porch. Half screens for all windows, combination storm and screen doors for all outside entrances, storm windows for the west exposure were made. A picket fence was run across the north boundary (part of this was used fencing). The superfluous northwest entrance was eliminated, a window replacing the door. The basement door, greatly in evidence from the west, was rebuilt and given strap hinges and latch of black iron. The front door, with its plate glass panel, was replaced by a three dollar black walnut paneled door secured from a wrecking company and cut down at no expense. The south porch was given a stone foundation matching as closely as possible the basement stonework, and the very few pieces of defective siding were replaced by new. So much for the outside.

The inside was to be left as it was with the following exceptions: the three downstairs bedrooms were to be converted into writing room, library and music room; the downstairs bath, badly located between dining room and writing room, was to be made into a baby's playroom; and the pantry facing the north porch entrance was to be partitioned through the middle to make a lavatory and children's coat room. The double doors between living room and music room were taken off, revealing a nice archway.

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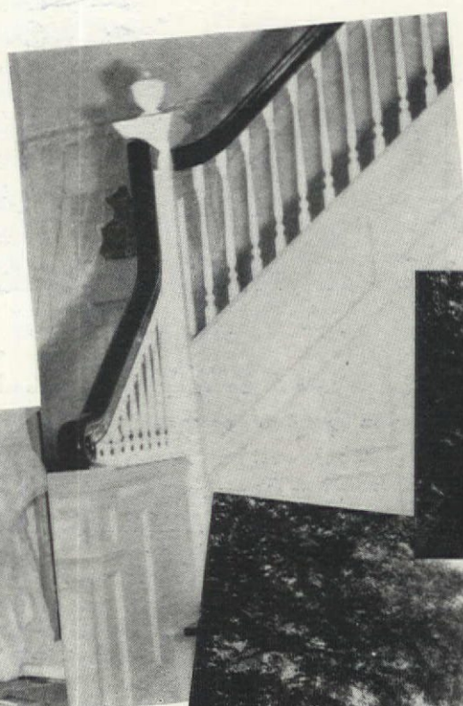
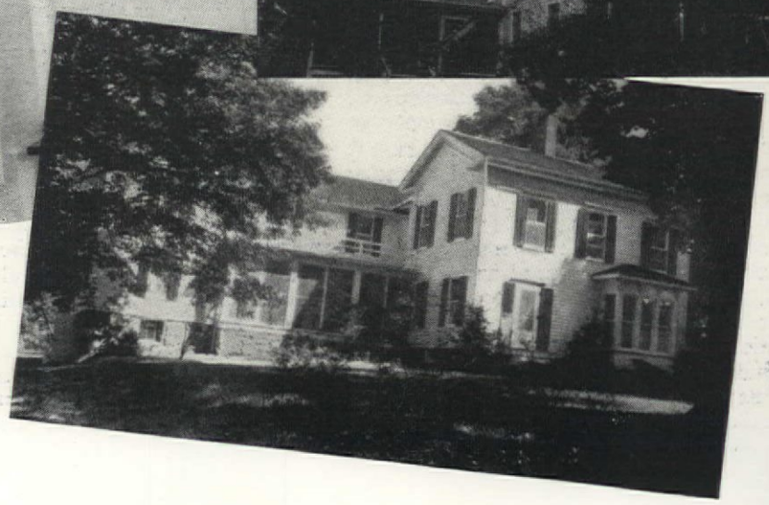




Demarest

See page 118 for detailed description

WALL GARDENING

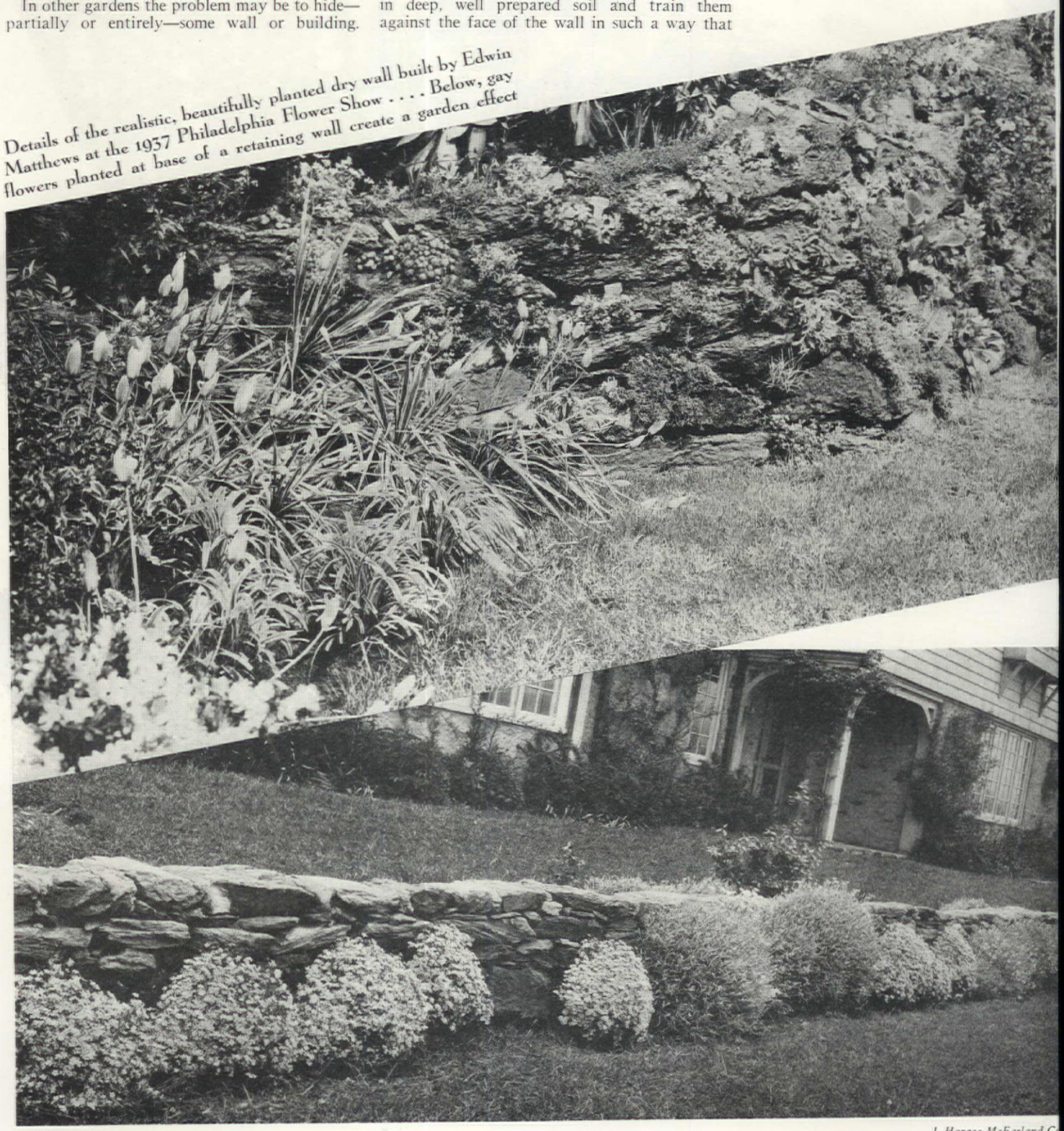
CLARENCE E. BAKER

OPPORTUNITIES for wall gardening are afforded upon the grounds of many a suburban home or country estate. But often these opportunities are overlooked. Almost any home grounds has some bare retaining wall or uninteresting masonry barrier that might well be converted into a veritable fairyland of beauty by the use of flowers, shrubs, or vines.

Perhaps a high masonry wall surrounding a country home presents an overformal aspect, entirely out of keeping with the garden arrangement within. If it is in a warm, sunny location, plant some climbing or pillar roses along it to introduce a touch of life and beauty. Permit the shoots to wander naturally over the wall rather than restrict or train them into some definite system.

In other gardens the problem may be to hide—partially or entirely—some wall or building. For this purpose select a leafy vine that makes a dense growth, such as Boston ivy. If the even growth of such a vine tends to emphasize the severity of line, plant slender evergreens in small groups at irregular intervals along and close to the wall to relieve the monotonous effect. If the problem is only to relieve the monotony of a long wall of uniform height, train the main portion of the vine along the top of the wall and permit shoots to trail downward at irregular intervals. All such practices tend to produce a less formal aspect suitable to the naturalistic type of landscape design.

If it is desirable to maintain a formal note, the growing of fruit trees upon garden walls in the form of espaliers presents an interesting and novel solution. Plant the trees close to the walls in deep, well prepared soil and train them against the face of the wall in such a way that



Details of the realistic, beautifully planted dry wall built by Edwin Matthews at the 1937 Philadelphia Flower Show . . . . Below, gay flowers planted at base of a retaining wall create a garden effect

J. Horace McFarland Co

Stone steps cleverly introduced into a well planted, weathered wall that separates two garden levels and is nicely finished by the clipped hedge that bounds the upper area

all the branches are in a single vertical plane. Direct the growth of each branch according to some predetermined formal plan. For instance, by cutting the central stem back to a short distance above the ground and training each of the new shoots upward but at a different angle, you produce a fan-shaped tree. In another form of espalier the central stem is removed a short distance above the ground and two lateral shoots which will grow from the buds remaining are carried out along the wall in each direction at right angles to the main trunk and parallel to the ground. From these lateral branches other shoots are trained directly upward at equal intervals and parallel to each other. The young shoots are fastened in place until they acquire sufficient rigidity to maintain their position. The result is a very symmetrically shaped wall tree or espalier.

Trained fruit trees are available from nurseries that specialize in this type of plant material. They are budded upon stocks that tend to dwarf the top so that it does not make excessive vegetative growth. By using trees that are already formed and that have reached bearing size and age, almost immediate effects are secured. Cherries, apples, pears, plums, and other fruit trees are grown in this manner and

F. M. Demarest

A retaining wall in a naturalistic setting like this offers a tempting opportunity to the wall gardening enthusiast. Part of the landscaping in the garden of R. T. Walker, Chappaqua, N. Y.

the production of very high class fruit is possible, although the yield is smaller than from standard trees grown in the customary orchard manner. In foliage or in blossom, espalier trees have a certain fascination as well as an abundant landscape value in formal arrangements.

In many gardens, large and small, the growing of alpine plants in rock pockets or crevices presents abundant opportunities. Retaining walls are frequently required but it is not necessary that they should stand out from the garden or detract from its beauty. Indeed, they may be worked into the plan in such a way that they become an important and even vital part of the garden, one method being to grow a combination of plant materials between the rocks of the wall.

The general principles involved in the construction of a successful rock garden apply also to the making of a wall garden. Arrange the stones so that pockets are provided between them in which the plants can root and grow. Fill these pockets with an ample supply of rich soil and humus and wherever possible provide a direct, continuous connection with the natural soil of the bank. Place the stones in such a way that they slope toward the bank in order that moisture will be carried to the roots of the plants instead of away from them, and to prevent the washing away of the soil in heavy rains. Except in rare instances, no mortar is used to hold the stones in place. Hence, set those at the bottom of the wall farthest forward and place each tier a few inches back of the one below so that the face of the wall slopes slightly. Tilt the stones to make the rear portion of each stone a little lower than the front; this carries the moisture into the wall. Avoid stones of equal size and shape as irregular effects are the most pleasing.

Plants capable of growing in crevices where a limited amount of soil is available are laid in between stones as the wall is constructed. The amount of soil placed between the rocks will

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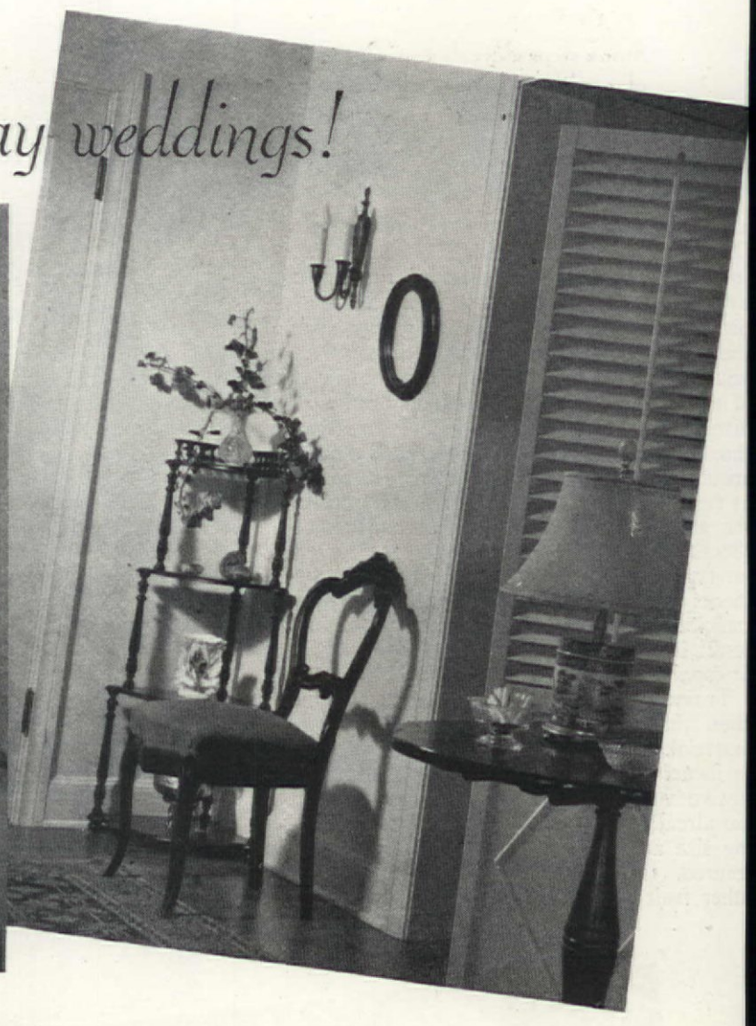
Modern brides do not delay weddings!



—and of all the brides with a flair for making much of little . . . cleverest is Mrs. Earl Clark, a Los Angeles antique hound

MARTHA B.

DARBYSHIRE

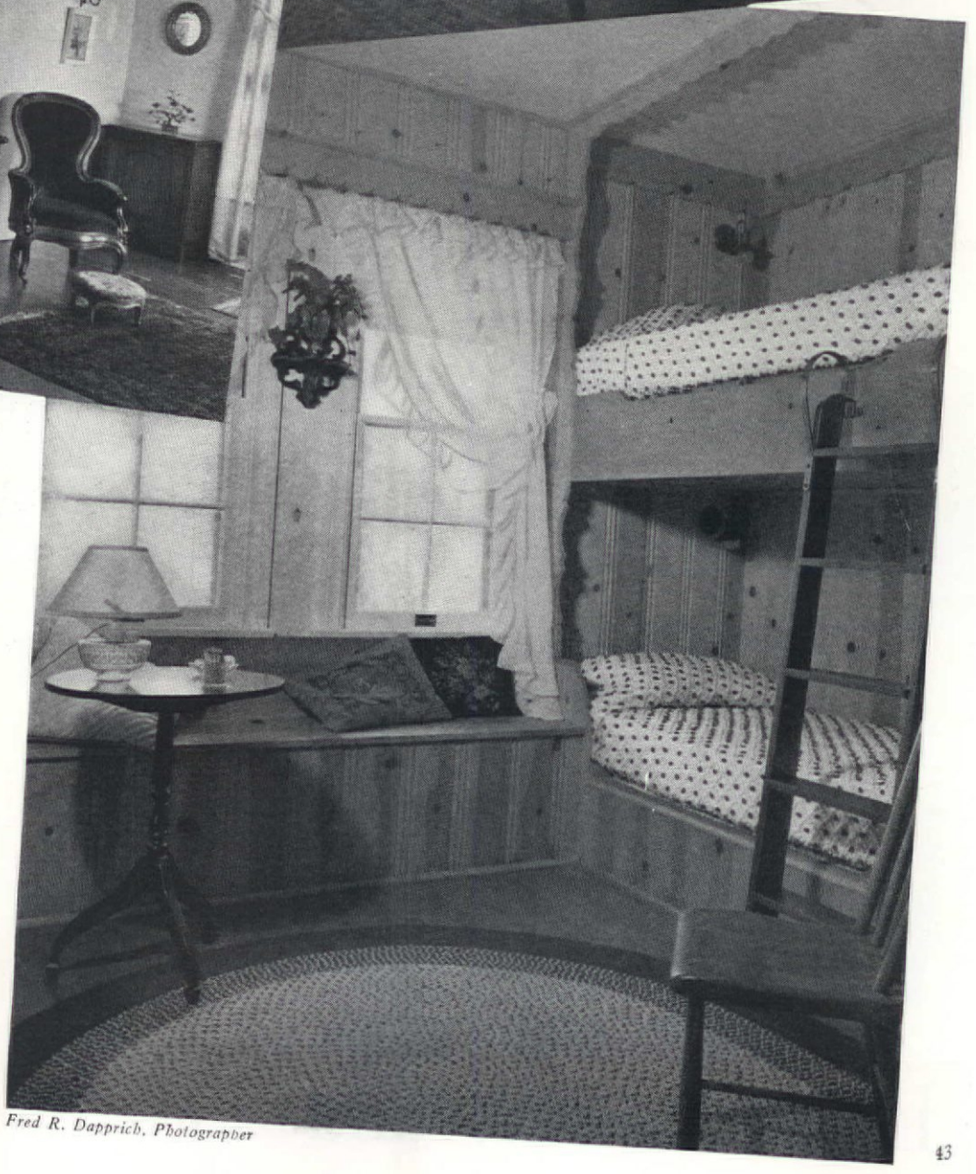
THE modern engaged girl's idea of household necessities is nothing short of appalling to her mother. Wealthy or not wealthy, the usual list of linen supplies in dozen lots, considered in mother's day as essential, today is tabulated as useless—a lot of bother. "One tablecloth for state occasions, place doilies, and a luncheon set or two," is the bride's-to-be ultimatum—if linens, or rather the lack of them, is to hold up the wedding! This, of course, is not saying that some brides do not have a large stock, but the lack of them is no barrier to wedding bells. Nor are young folk losing any sleep over the amount of furniture they must have before they may take the fatal leap. Some girls are clever with a can of paint and a package of dye. One bride has fine cheesecloth dining room curtains dyed a luscious chartreuse. The furniture is secondhand and painted. The color scheme of the room is chartreuse and aquamarine blue. On the living room floor she uses Chinese matting. With wedding presents she has managed a small house that stays in your memory. But of all the brides who may make a small amount of money go farthest, it is the girl who has a flair for collecting antiques who is able to do the most clever things.

Mrs. Earl Clark, living in Carthay Circle, Los Angeles, has such a house. Since the minute the wedding day was set Mrs. Clark has been collecting, piece by piece, the furniture and accessories for her new home. She has found her possessions in every wayside place imaginable —a table in use in a flower market, a chair from an old ladies' home in the country, and a pair of Spode tobacco jars from the dusty shelves of a second-hand store. She has traveling antiques too, or so she calls them. On the wedding trip to Vancouver, B. C., she unearthed a handsome pair of pressed glass candlesticks with Waterford prisms. They are as handsome as any to be found in an exclusive shop, and all for a song to the young lady who knew enough about antiques to recognize what they were. A set of old English fire tools, of brass and steel, came to light on the same memorable trip.

Mrs. Clark has made no attempt to collect fine Sheraton or other old-period pieces. She liked many periods of antiques, but Victorian pieces were within her budget and it was possible always to locate them—that is if she got out and hunted. Of course, there is Victorian—and again Victorian. Mrs. Clark was determined to collect only *better* Victorian pieces. It has meant passing up a chair, which possibly would do when she needed it greatly, to continue her search for one of more graceful lines and true Victorian beauty.

Her success has been dependent on another thing also. Although she knew antiques, and what she didn't know she has learned, interior decoration was a totally new field. Instead of trusting her own judgment in creating a background, she sought the advice of a decorator, Marion Mullen. Miss Mullen planned an inconspicuous setting. In the living room she employed off-white walls and beige mohair curtains

ion Mullen, Decorator



Fred R. Dapprich, Photographer

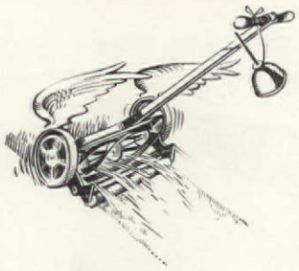
ade with an edging and tie-backs of white rduroy. Victorian furniture is decorative itself nd too, there were Oriental rugs and wedding esents carrying the colors of wood rose, almost cedar rose, and soft blue.

The sofa of which you get a glimpse, top right this page, is not old. (A full view of this por- on of room may be seen on page 86.) It was ade to insure greater comfort than might be oped for in an antique sofa. Its frame is the opy of an old one carved from old walnut and mplemented with the upholstered luxury of a odern loveseat. With this one exception all of e other furniture is antique. The table to the ft of the sofa in the window is the old mahogany ne which Mrs. Clark spied in the flower market. he table to the right of the sofa was collected pieces. The pedestal was a throw-out at an uction, and the top was found later in a "swap op." The lamp on the table, flanked by Van- uver candlesticks, is one of a pair made from e Spode tobacco jars. Miss Mullen used cream lk shades bound in blue on these charming old ses, and very attractive they are, too.

The chair to the left of the fireplace, above, was e first piece of furniture Mrs. Clark bought. In ct, she had it when she was married. Perhaps it as after she had made the needlepoint seat cover

[*Please turn to page 84*]

Our HODGEPODGE departmen



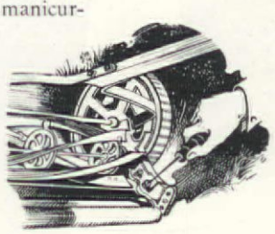
E. T. KEYSER

Keep your lawn mower in excellent "loaning" condition!

It's a good idea to commence by acquiring a mower which not only deserves decent treatment but will reciprocate by giving years of honest service. Since mower manufacturers have not yet adopted the practice of issuing yearly models, it is not necessary to discard a machine that still performs perfectly or seek to exchange it for one with the same "innards" but a more streamlined front, in order to cause envy on the part of one's next door neighbor or to keep up with those mythical Joneses. That explains why it is real economy to select one sufficiently well constructed to operate easily and effectively after the gilding has lost its primal luster and one with a sufficient width of cut to insure that manicuring the lawn will not degenerate into a hiking expedition. Thus, too, you can pro-rate the initial cost over a period of about ten years—excellent value for your money.

Recognition of the fundamental fact that substances other than grass constitute indigestible mower fodder, explains the wisdom of raking a lawn before starting to mow it. Such preliminary effort will be rewarded by a choice accumulation of wind blown twigs, bones forgotten by transient or resident dogs, lollipop sticks casually discarded by the children, and many other interesting items which otherwise would have played the mischief with the cutting blades.

The average Michael Angelo, who commits horticultural atrocities on a contract basis or for an hourly fee, usually sets the revolving blades of his personal machine in such chummy proximity to the stationary knife that his method of forward propulsion is necessarily by a series of sudden short armed jabs. His theory is that such a setting makes the mower self-sharpening. Possibly it does, but what starting the heavily braked wheels does to the turf is something to warrant strong language on the part of the party who paid out perfectly good money for the seed and the seeding.



It's better policy in the long run to relieve the mower of any duties as a automatic hone and turn it over to a competent mechanic from time to time for sharpening, first ascertaining that he is capable and has proper equipment. By adjusting the distance between revolving and stationary blades so that a sheet of writing paper may be inserted, one secures an easy running, effective combination.

In making such an adjustment, the first operation is to loosen the side nuts on the outer ends of the axle upon which the stationary knife is hung. Next adjust this blade with the two pairs of opposing set-screws to the proper angle, and then tighten up the end nuts. Some proprietors of mowers have been known to overlook the first and final acts of the program and then wonder why they have only succeeded in springing the knife!

Incidentally, after getting the desired adjustment, it is a wise precaution to cache the wrench in some inaccessible place so as to

[Please turn to page 114

Outdoor fireplace displayed by the Garden Club of Indiana at the Model Home Show which was held at Indianapolis last year

PLEASE!

Dear Sir:

"I wonder if you would be inclined to display a few bold lines somewhere in your magazine, asking those who write to other subscribers for information regarding photos shown, please to be courteous enough to enclose return postage. I have received many letters asking about some recent things of mine on the Hodgepodge pages and only one person wanted the material sufficiently to enclose a stamp. It is quite a task to answer thirty odd letters, giving dimensions or sketches. I have decided to disregard any more that may come unless stamps are enclosed, but a tip from you may make it easier."—E. Girton

Below: Mr. S. J. Bensen of Caldwell, New Jersey, uses a wagon wheel for a garden gate

MORE WAGON WHEELS

Left: Outdoor grille and, above right, gate of Frank C. Hall, Asheville, N. C. Right: Gateway of Vernon R. Steele of Hynes, Calif.

Letters—sweet and sour :: trade gossip

:: news :: other folks' ideas » » »

17,000 bricks

"Two years ago we began to modernize our back yard into a service yard of real beauty. Instead of unkept shrubs we now have an awning covered patio in one corner, two aviaries, a large lath house and a garden room at the rear of the garage. All flower beds are raised and walks are brick—used 17,000 of them for walks and walls. We consider it pretty good for office folks to build."—Paul L. Fort, Inglewood, Calif.—SO DO WE!

Aug. 21, 1861
W. W.
Aug. 21, 1866

This inscription is on this little writing desk (16" x 12" x 6½" when closed), the treasured possession of Mrs. R. W. Bulkley of Kansas City, whose home you will see on page 53. Of rosewood, with pure silver shield and narrow band around top and sides, the writing top and lid are lined with green velvet which has lost none of its richness throughout its long life

A VANITY CLOSET DOOR

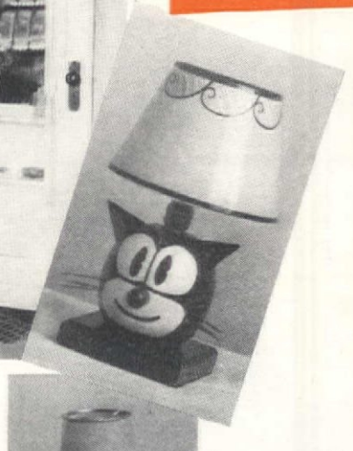
An ingenious idea for a closet has been carried out by Mrs. Daniel Morton of St. Joseph, Missouri. By attaching a small wooden bookshelf under the mirror, a space has been provided conveniently for toilet accessories

QUICK, ANDRE—THE STREAMLINED HASH!

"We bachelors and Boy Scouts are grateful for the recipe of Mr. Andre Chappelle's Happy Meatloaf which appeared in your April issue. Man and boy, I have had meatloaf cold, hot, and warm, but no matter how sharp the knife or how thin it was cut, it still was just meatloaf.

"After reading Andre's recipe I think he has something there. I'm going to try it just like he says, and if the Happy Meatloaf turns out to be only a "Sad Misteak" I'll know that it will be nobody's fault but my own, and I'll still think the recipe is great. Maybe Andre will tell us how to modernize and streamline hash into something more exciting than it has been these many years. I'll be looking."

Bud Merker,
Lake Jem, Florida



LAMPS FOR A CHILD'S ROOM

THE "Felix" lamp may be turned on by twisting the nose which is fastened to an ordinary socket inside the head. The ears are of tin and the very dashing whiskers are made of small spring wire.

The maple lamp is intended to represent a candlestick holder. The lamp is turned on by lifting the block, which contains a plug with prongs, and inserting it into the socket at the base. This outlet may also be used for an electric fan.—DON PORTER, Ypsilanti, Mich.

return postage :: streamlined hash

KANSAS CITY PORTFOLIO

of American Home readers' homes

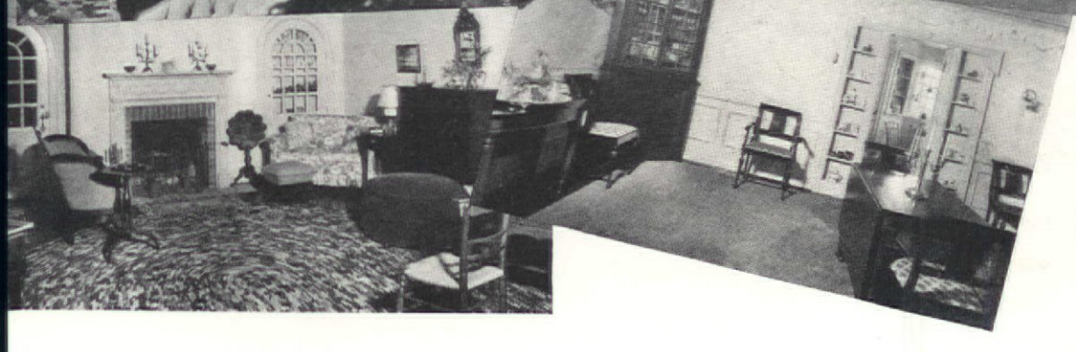
The home of Mr. and Mrs. Otto Knutson on Ensley Lane

The home of Mr. and Mrs. J. V. Walker on Sagamore Road

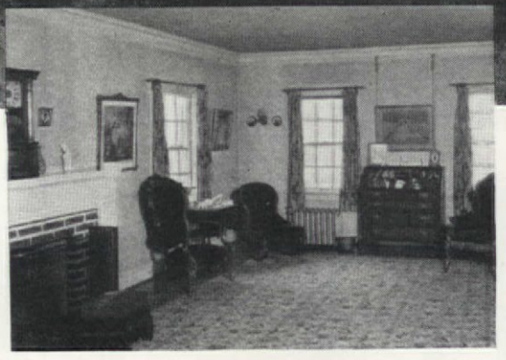
LAST summer it was our pleasure to visit the Mid-West and while we do not claim to have seen Kansas City at its best, the very fact that our enthusiasm survived even the 112 degrees temperature is surely proof enough that we found delightful new homes and charming old ones. The newer ones are invariably smaller and with a decided tendency towards Colonial architecture, instead of the English which previously predominated. Many of our folks were gone for the summer, but even that did not discourage us. We kept at their heels until our photographer got together all these photographs for you. We hope that the owners and their friends all over the country will enjoy this small but representative portfolio of good and loyal American homes which we found in Kansas City's lovely suburbs.

The home of Mr. and Mrs. Damon Walthall, on State Line

For all the world like a house in some old New England village, sprawling along a hill and hiding behind a white picket fence



How faithfully Colonial atmosphere has been maintained inside as well as out is seen in these various views. The hall is particularly charming—and we have to admit to "saving" one of the best views for a later issue—that of a children's attic playroom. Too good to squeeze into so little space!



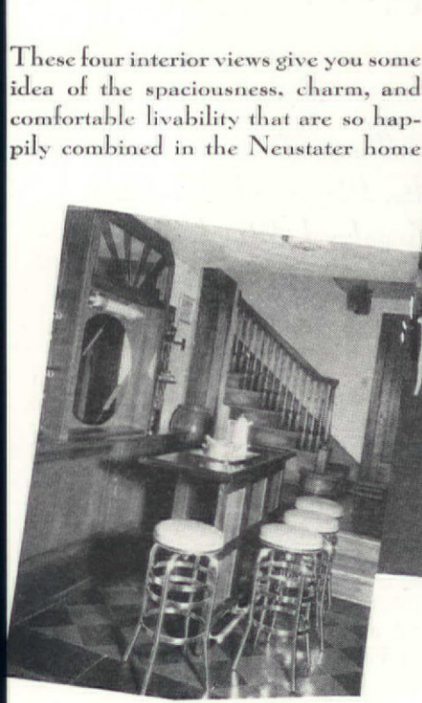
Colonial atmosphere
in the home of
Mr. and Mrs. M. A. O'Donnell

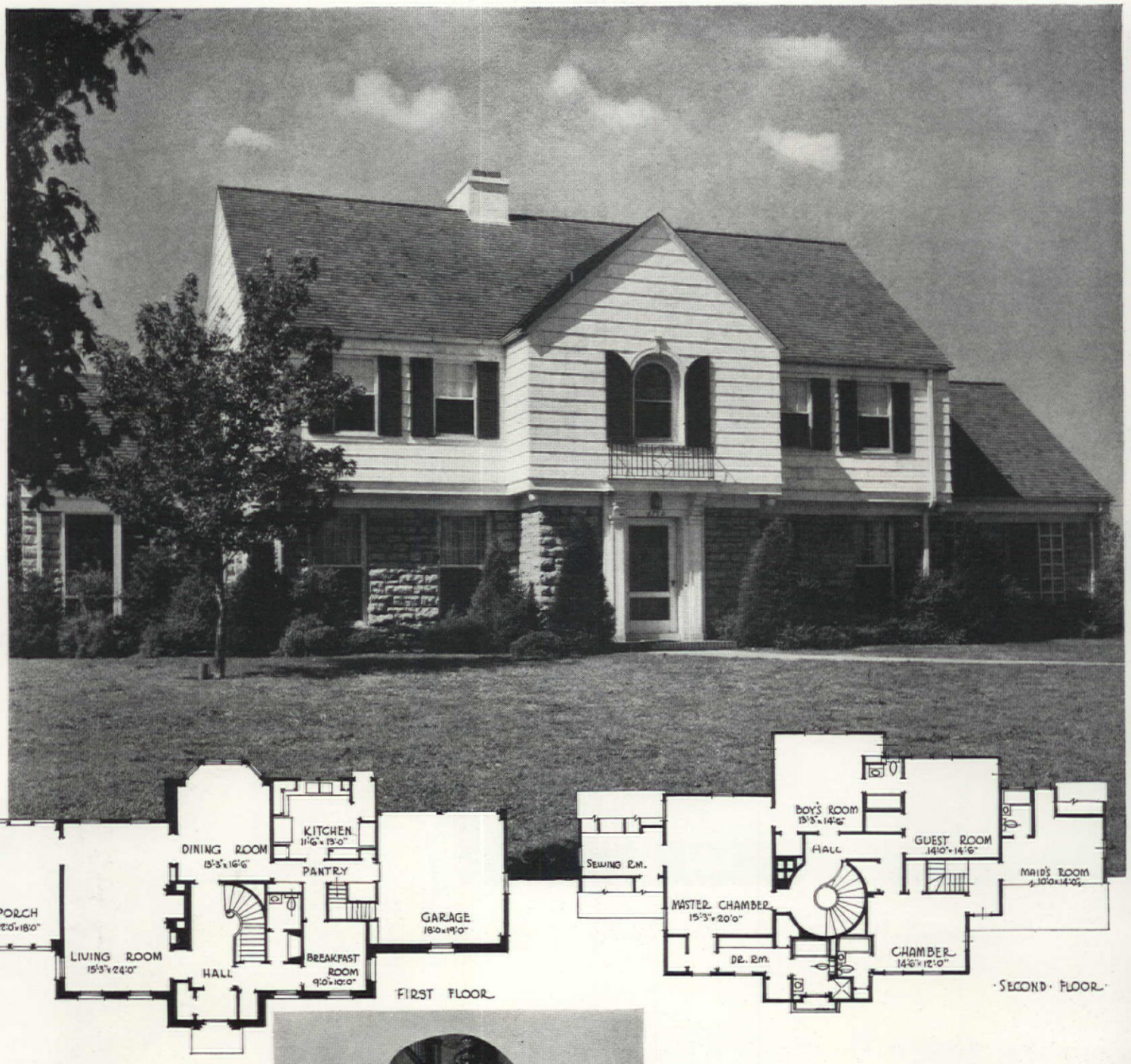
Unusually pleasing are the lines of this shingled Colonial home of Mr. and Mrs. O'Donnell's on Central Avenue. Clock, desk and Victorian chairs surely trekked out from the East at some date! The home of Mr. and Mrs. Davis, at the left, is typical of many of the newer homes constantly being built in this progressive city.

The home of Mr. and Mrs. J. J. Davis
on Romany Road

The home of Mr. and Mrs. Nat Neustater on High Drive

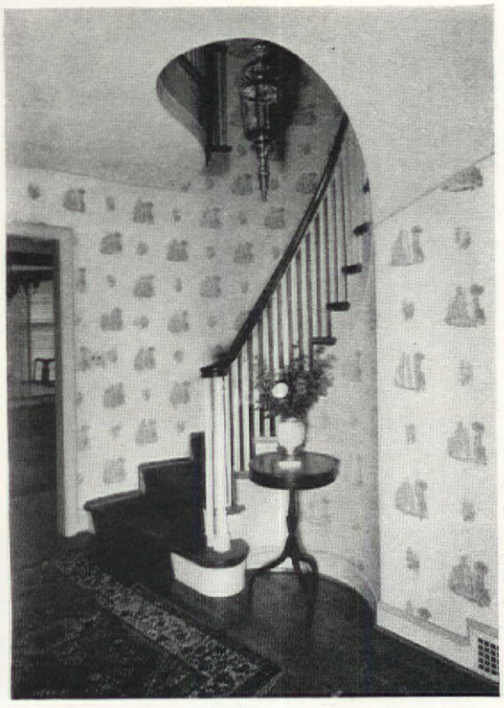
These four interior views give you some idea of the spaciousness, charm, and comfortable livability that are so happily combined in the Neustater home





BOILLOT & LAUCKE
ARCHITECTS

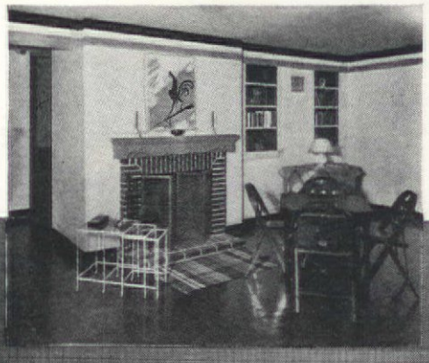
All photographs in this Portfolio were taken especially for us by Tyner and Murphy

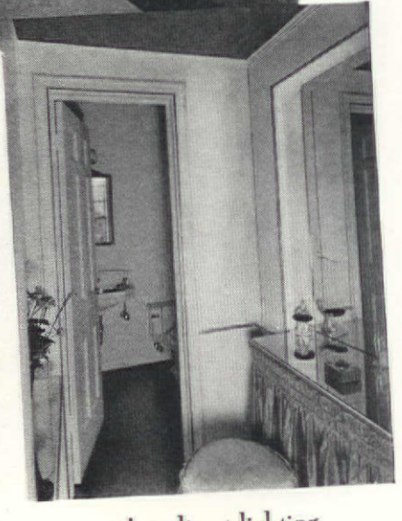


Home of Mr. and Mrs. Raymond W. Hall on Tomahawk Road

MRS. HALL said that many of her relatives in Virginia would be interested in seeing her "little gray home in the West." Well, I expect they will, especially if they still cling to the fond belief that Mrs. Hall is "roughing" it out in Kansas! It's a delightful home, isn't it? Dignified and yet cheerfully friendly rather than prim. The clock, which you see tucked away in the book recess in the living room photo, belonged to the grandmother whose oil portrait hangs over the mantel. Wood paneled and painted a soft gray-green, this fireplace side of the room conceals a built-in radio and a cupboard for cards, etc. Gray-greens and brown and beige in rugs and upholstery give the room quietly rich atmosphere. The dining room is

papered in dark blue with gold figures; cream Chinese rug with blue border, and antique cream and brown leather furniture. The young man's bedroom, just five, is draped in heavy unbleached muslin with appliqued balloons of yellow, green, and red. A plaid paper, cut to resemble an awning, makes an unusual ceiling. Furniture is maple. There is also a basement recreation room done in red, white, and blue, with provision for setting up a moving picture projector for home movies.

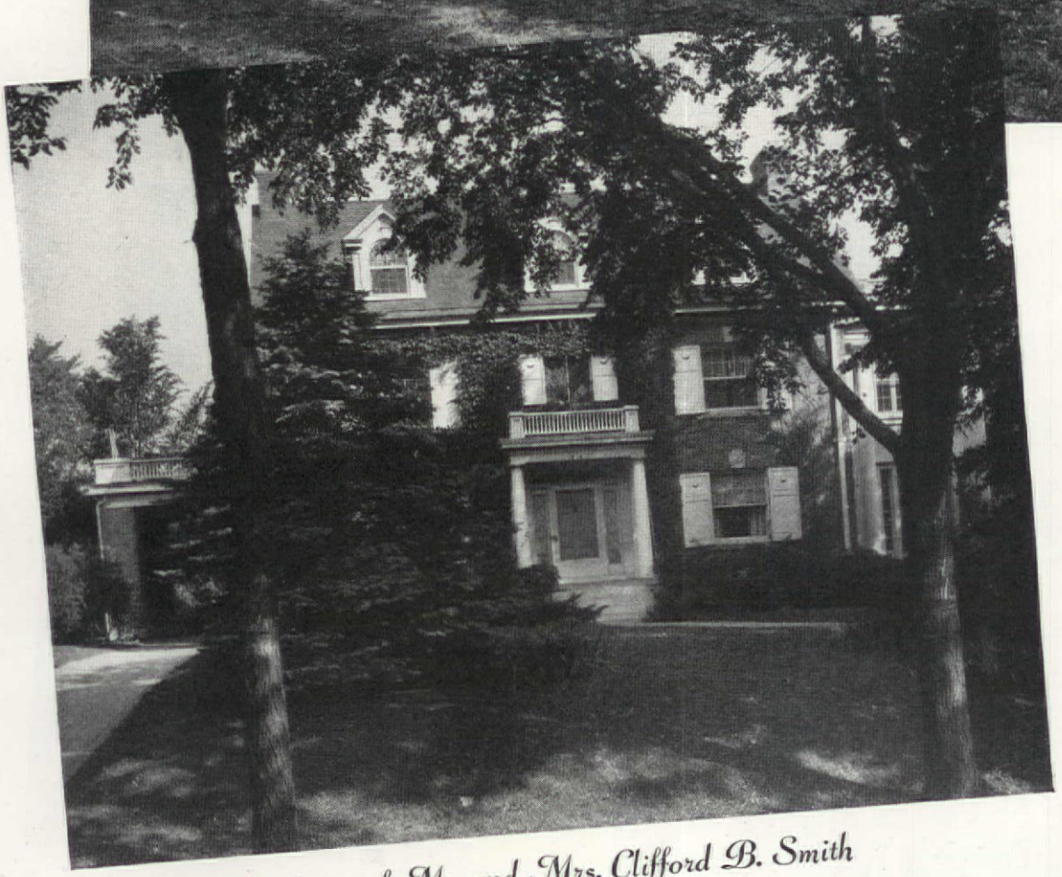




Gold mirrors with indirect lighting and dark blue ceiling and linoleum floor make a smart powder room

The home of Mr. and Mrs. George W. Tourtello on Westover Road

The trees make it difficult to see in the photo graph the charming doorway and the beauti fully simple lines of the Tourtellot home. Th wing extending at the right adds to the spacious ness. The Smith home has a porte-cocher at the left and, above it, an inviting dec



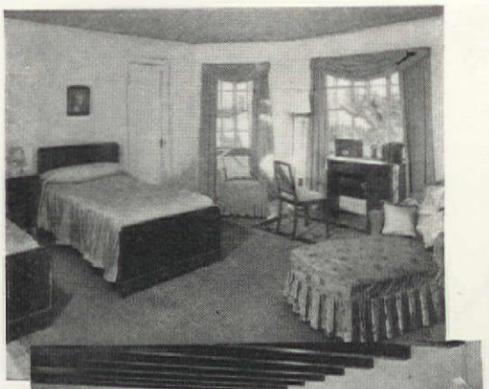
The home of Mr. and Mrs. Clifford B. Smith on Westover Road

ON OPPOSITE PAGE: A hundred years ag most of the furniture in the Bulkley home wa in the home of Mr. Bulkley's great-grandfathe in Charleston, South Carolina. The most hand some pieces are perhaps the large secretary an the bookcase in the living room, and the dinin room furniture. These are of San Domingo ma hogany. The child's chair which you will pe ceive at the left of the fireplace has bee occupied by a century of small Bulkleys, th current and very important one being their thr and a half year old son, whose name is Pete

The home of Mr. and Mrs. Reginald W. Bulkley on Westover Road

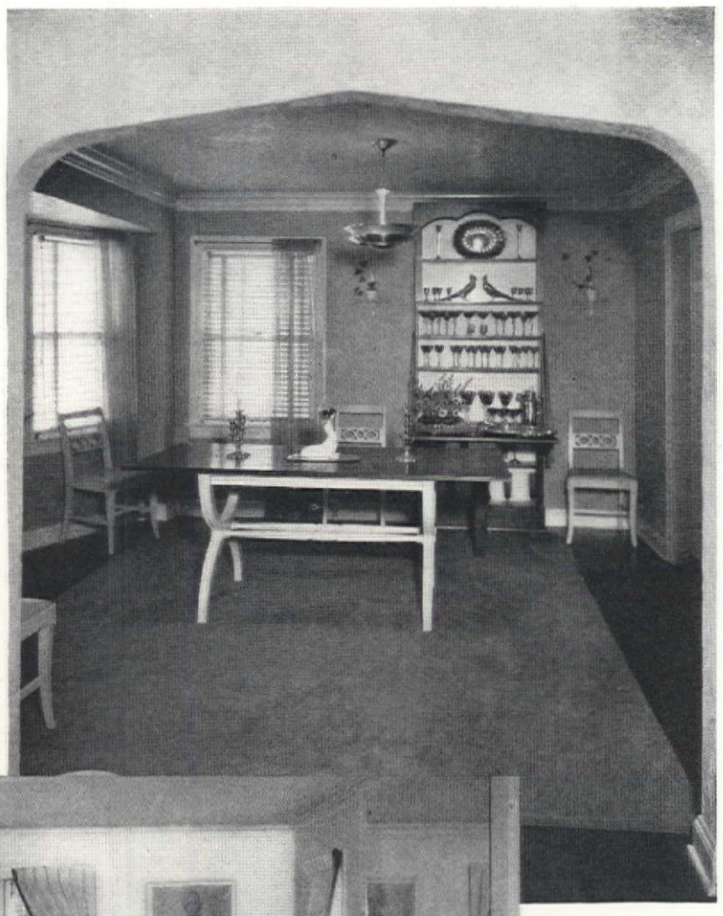
The secretary is topped by a slab of black marble. The candelabra are old, of equal age with the furniture, and are of crystal. The chairs and sofas are of rosewood. The sofas are upholstered in dull blue. The little chairs of French Empire influence by the tea table and the hassocks are done in rose-red damask and, so far as I know, have always been so covered—the color, I mean. (See page 45 for a photograph of a rare old writing desk of rosewood and velvet, dated August 1861, owned by Mrs. Bulkley.)

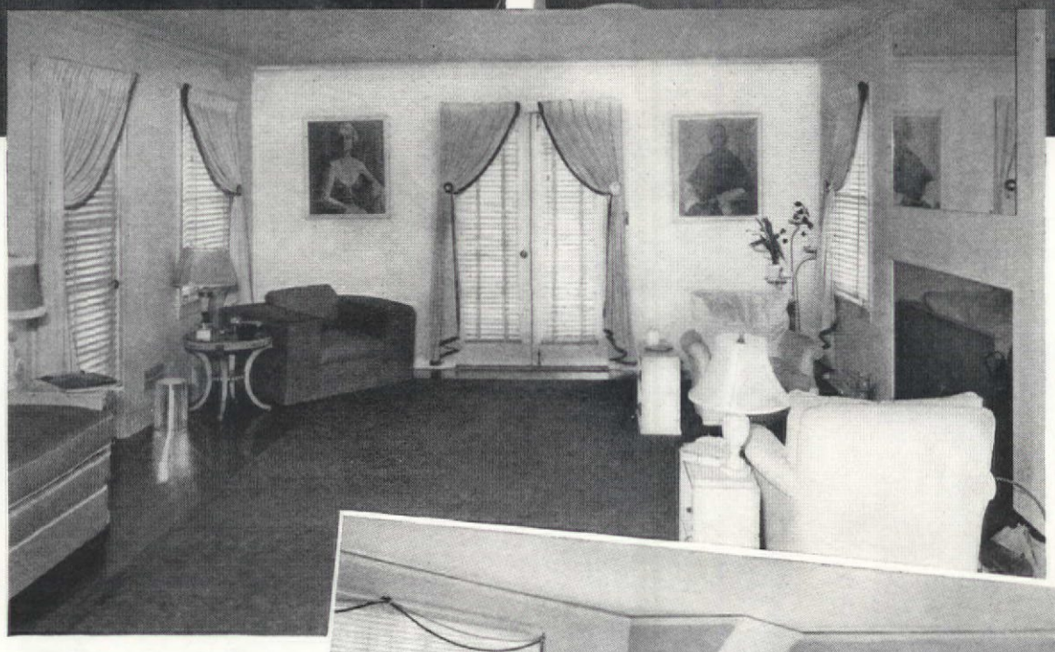
The home of Mr. and Mrs. C. F. Curry on Ward Parkway



The Curry home enjoys a delightful situation on Ward Parkway, that beautiful Kansas City boulevard lined with charming homes on either side of its extremely well-planted expanse. Living room and master bedroom above

Interior views of Henderson home, below, are shown on opposite page





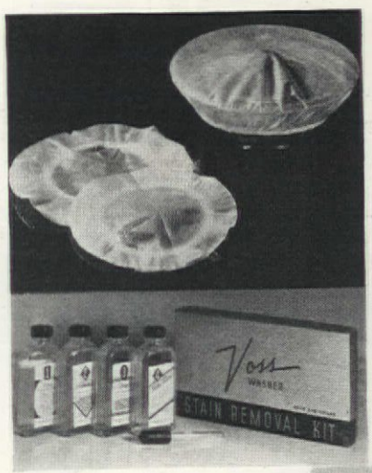
The home of Mr. and Mrs. Mitchell J. Henderson, Jr. on Valley Road

"Fresh" is the most apt description of Mrs. Henderson's home. With some modern pieces and a modern treatment of windows and walls, the interiors achieve an air of freshness that is very stimulating. Venetian blinds are used throughout. The exterior view is shown on the opposite page. It combines painted bricks and shingles

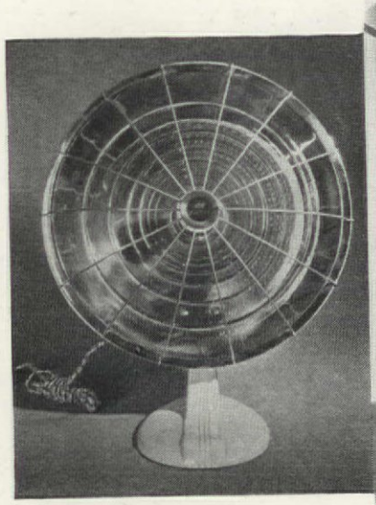
MAJOR AND MINOR

Edited by JULIA BOURNE
Home Economist, American Home Kitchen

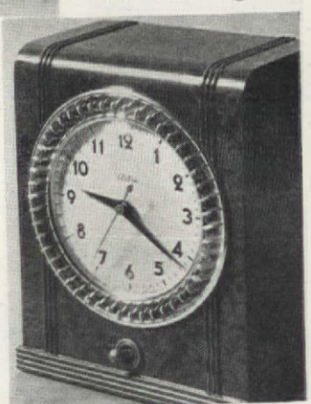
QUITE new is the way in which color is used on this kitchen equipment. The gas range is topped with black and the gas refrigerator matches it with a wide bold stripe of black enamel. Floor is black, off white and gray linoleum and even the knobs of the cabinet doors go black to maintain the ensemble scheme. Below, a Hotpoint electric range with a monel metal working surface and, of course, an automatic oven clock. But what's really noteworthy is a back splash with a metal strip of convenient outlets for the use of some small electrical equipment.



They had "panties" for cocktail glasses, but now it's oiled silk panties to protect left-overs or stored foods. Three sizes fit over bowls, pots, and deep dishes. Blossom Mfg. Co. Below these, one kit for four stain removing fluids, in case you are one of those persons who can never remember the magic home remedy until a stain has "set." Voss Mfg. Co.



Above, a smart electric heater in cream-white enamel and polished chrome. Grand for just taking off early morning chills in bathroom or cabin. A. C. Gilbert Co. And, at the right, a new cabinet from Westinghouse to keep all the small electrical gadgets in their proper places. Toe room underneath, the right counter height and two convenient electric outlets right in the cabinet. Looks like the day of trailing wires in kitchens is at last happily on the way out!



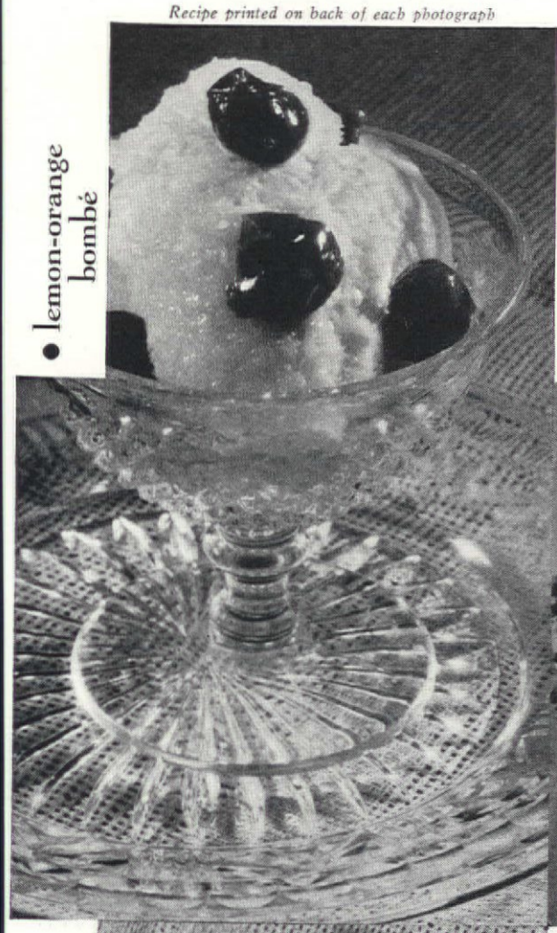
Wake up to music, get your news before you get out of bed—or what will you. This radio-timer works like an alarm clock, turning your radio on in the morning and stopping it when you are too busy to do it. Simply pull out one or more of the plugs around the face of the clock. Warren Telechron Co.

For summer travelers who like to sneak in a bit of light ironing, here's a light weight, collapsible iron, in a waterproofed plaid-lined suede case that will fool any hotel maid. Winstead Hardware Co. Below, a new metal serving tray with throw-away fillers that bear up under the pressure of a meanly sharp knife and remain absolutely indifferent to the soaking gravy or sloppy salad dressings. Grand for those outdoor meals—you save the trays, but without compunction burn up the fillers, just as you've always wanted to burn up the after-dinner dishes! No more juggling the cup in one hand and the plate in the other, either. A special division for your cup or glass simplifies the service. From the Michigan Metal Products Co.

The cook's family album

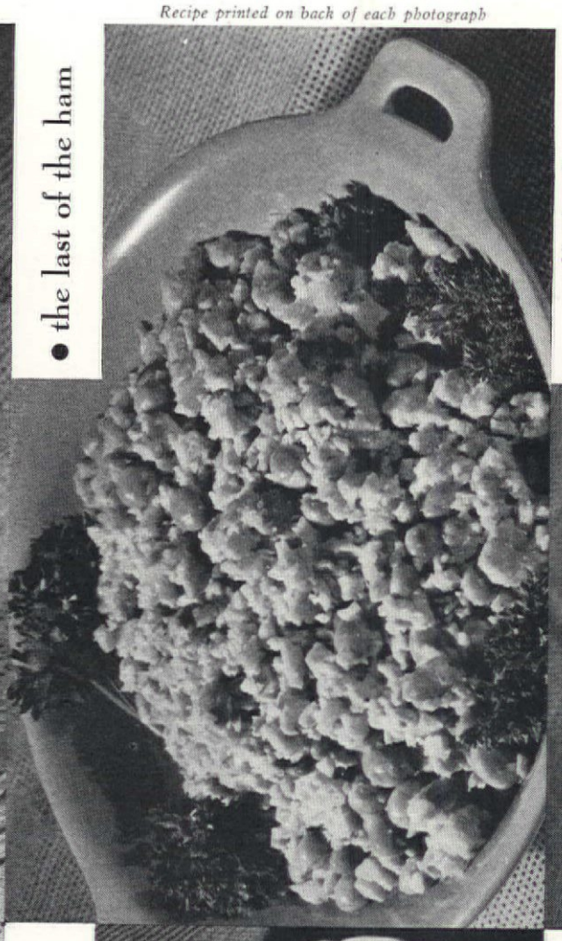
Along about the first of June, when there is too much to be done everywhere in the garden. I feel very much the way an old cook we had did when she would say on receipt of the day's menu, "Yas'm, ef I live." Fortunately she did, long enough at least to produce wonderful mushroom pies—MARNI DAVIS WOOD

Recipe printed on back of each photograph



• lemon-orange bombé

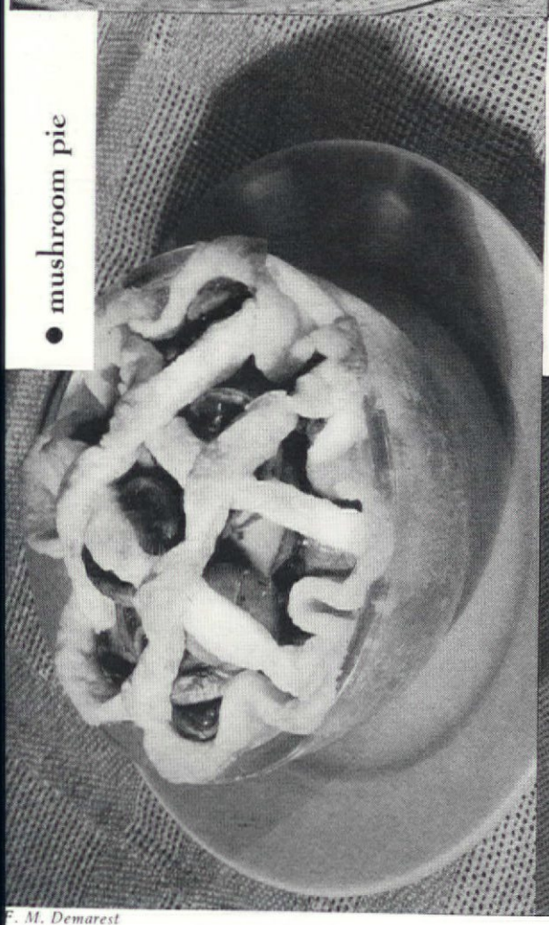
Recipe printed on back of each photograph



• the last of the ham

Recipe printed on back of each photograph

• grandfather's egg salad



• mushroom pie

• mackerel au lit

• roast of veal jardinière

F. M. Demarest

The cook's family album

There is something about veal that identifies it with the warm months . . . perhaps this is because it is a "white meat," or maybe it is because of its adaptability to variety. One of its best uses is veal jardinière—MARNI DAVIS WOOD

Photograph printed on back of each recipe

• roast of veal jardinière

6-pound roast of veal
1 large clove of garlic, minced
1 bay leaf
1 good pinch rosemary (optional)
1 good pinch thyme (optional)
1 whole clove
1 teaspoon salt
3 or 4 peppercorns
½ cup water
1½ cups shredded carrots
½ cup shredded string beans
½ cup green peas (shelled)

Put veal on rack in top-of-the range roaster over low heat. Add the garlic, bay leaf, rosemary, thyme, clove, salt, peppercorns. Add the water, cover closely, and cook very slowly for two hours. Remove cover and add carrots, beans, peas, and a cup more water if necessary. Brown slowly in a moderate oven (350° F.) for one and one-half hours, basting frequently.

Pour off sauce and serve separately. Arrange the vegetables on a platter around the veal.

Tested by THE AMERICAN HOME

• grandfather's egg salad

1 head lettuce
6 medium onions
12 hard cooked eggs
2 tablespoons vinegar
4 tablespoons salad oil
1½ teaspoons salt
¼ teaspoon pepper
Dash paprika
1 teaspoon Worcestershire sauce
¼ cup grated sharp cheese
1 tablespoon minced parsley

With lettuce leaves line a salad bowl, china or glass preferred, unless you don't mind a persistent flavor of Worcestershire sauce in your wooden bowl. The little lettuce leaves from the garden are supreme for this. Fill with alternate layers of sliced hard cooked eggs and sliced onions. Over this pour the dressing made by beating together the vinegar, salad oil, salt, pepper, paprika, and Worcestershire sauce. Sprinkle with the cheese and garnish with parsley. Serves 6 to 8 people.

Tested by THE AMERICAN HOME

Photograph printed on back of each recipe

• mackerel au lit

1 small mackerel
2 cups cream sauce
3 hard cooked eggs, chopped
½ cup pimiento, chopped
2 cups water
1 tablespoon vinegar
1 carrot
1 onion
1 stalk celery, shredded
2 whole green peppers
1 tablespoon salt

Split and remove backbone of a small mackerel and stuff with a thick cream sauce which has been mixed with the chopped pimiento and chopped hard cooked egg. (To make the cream sauce, thicken 1 cup milk and 1 cup cream with 6 tablespoons flour. Season with ½ teaspoon salt and a dash of pepper.) Now wrap the stuffed fish in a white cloth and simmer gently in the water in which the vinegar, carrot, onion, celery, and salt have been boiled together for 20 minutes.

Cook fish slowly for 15 minutes. Then drain the fish carefully and allow to cool before unwrapping. If you wish, serve on a bed of shaved ice and garnish with watercress, stuffed olives, and lemon slices. A delicious sauce to serve with this is chopped cucumber and capers mixed with cream-thinned mayonnaise.

Tested by THE AMERICAN HOME

• the last of the ham

2 pounds fresh peas
1 cup minced baked ham
1 tablespoon butter
2 tablespoons cream
2 mint leaves, shredded

Cook the peas with no salt. Just before they are done add the minced ham—more if you have it. Cook until peas are tender, then drain well, add the butter, cream, and mint leaves. Mix thoroughly and serve hot. This is an excellent way to use up left-over ham.

Tested by THE AMERICAN HOME

Photograph printed on back of each recipe

• mushroom pie

1 cup shortening
2 cups flour
⅛ cup rich milk
1½ pounds fresh mushrooms
3 tablespoons butter
1 tablespoon chopped chives
1 tablespoon chopped parsley
1 tablespoon lemon juice
½ cup cream
1 tablespoon paprika

Cut the shortening into the flour and moisten with the milk. Line a deep pie dish (or individual dishes that are bake proof and good looking enough to be brought to the table) with it.

Wash and peel the mushrooms, leaving short stems. Slice thickly and sauté in the butter, chives, and parsley. When tender add the lemon juice and simmer for 5 minutes. Add the cream and paprika. Pour in the pie dish and cover top with twisted strips of pastry laid in a lattice. Crimp the edges and bake in a hot oven (450° F.) about 30 minutes or until golden.

Tested by THE AMERICAN HOME

• lemon-orange bombé

½ cup sugar
½ cup water
1 egg white
Juice and grated rind, 2 lemons
Juice, 2 oranges
1 cup heavy cream
Black or red cherries, canned or fresh

Boil sugar and water together for five minutes. Add to stiffly beaten egg white. When cool add the fruit juices and grated rind. Stir in the cream, whipped, and pour in the tray of your mechanical refrigerator, and freeze for about three hours, stirring once during this time. Or freeze in an ice cream freezer. Serve with ice cold pitted cherries. Or to make a true bombé, line a mold with stiffly beaten cream and pour in the fruit, egg white and syrup mixture. Freeze without stirring.

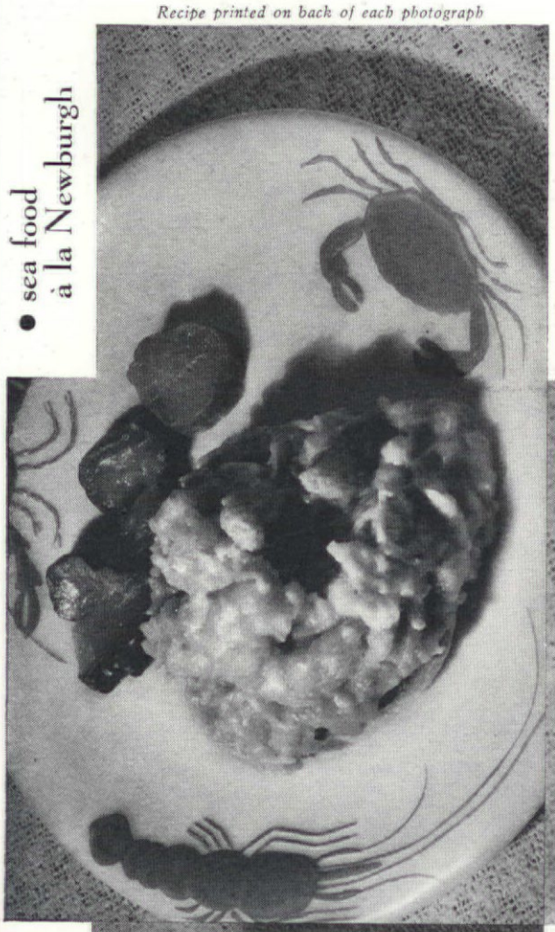
Tested by THE AMERICAN HOME

Photograph printed on back of each recipe

When "sumer is icumen in"

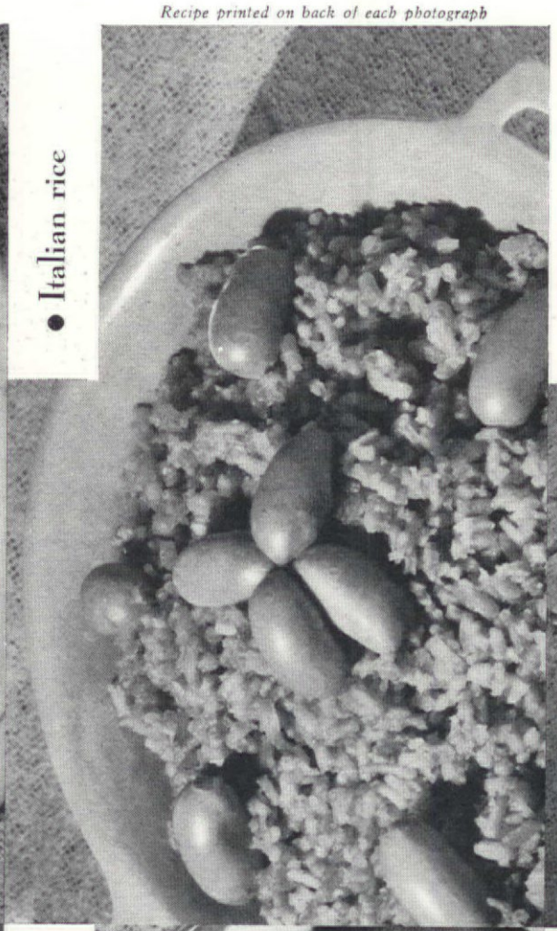
And you have a yen for travel or things foreign, try this savory method of cooking rice, perfected by the Italians; or the tasty anchovy dressing, the sweetbreads and mushrooms, and the sea food Newburgh . . . all of French origin—MARY ANNE DOUGLASS

Recipe printed on back of each photograph



• sea food à la Newburgh

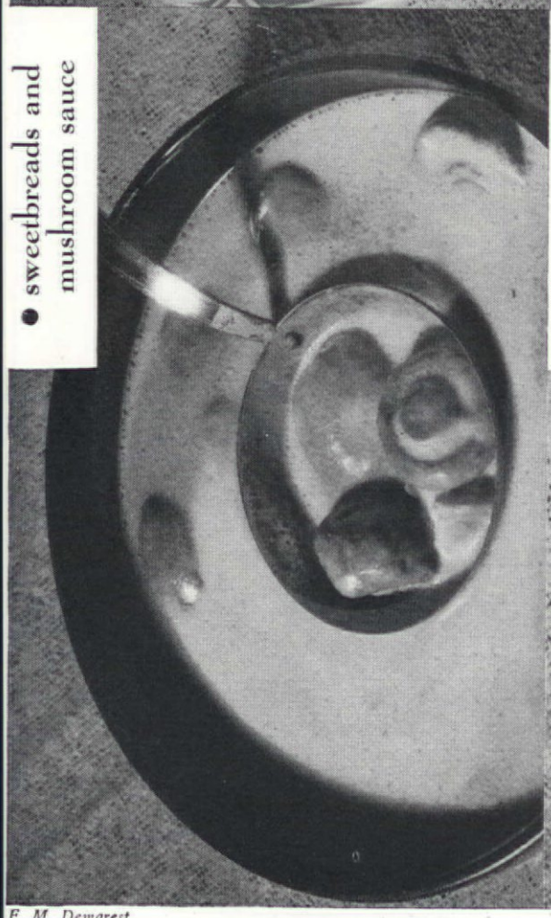
Recipe printed on back of each photograph



• Italian rice

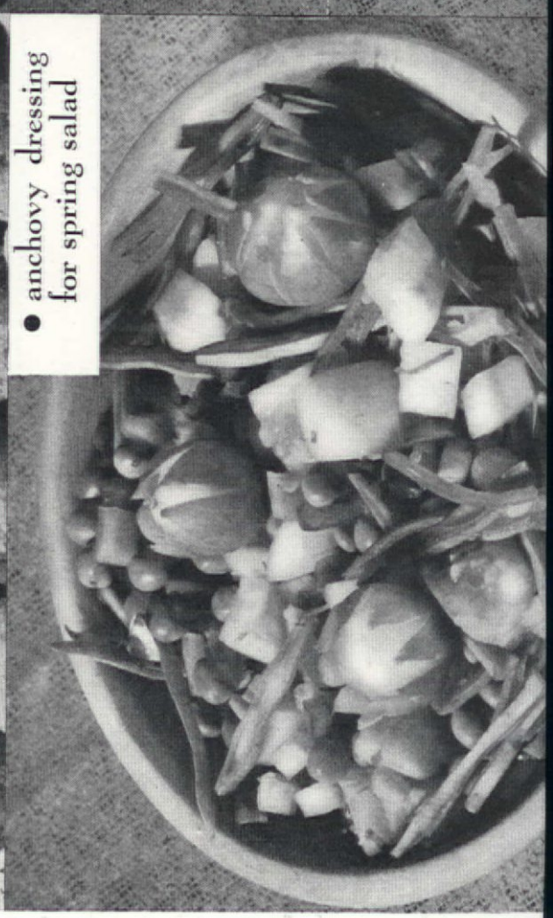
Recipe printed on back of each photograph

• golden carrot ring



• sweetbreads and mushroom sauce

• cheese croquettes for salad



• anchovy dressing for spring salad

F. M. Demarest

• anchovy dressing for spring salad

6 pods garlic
8 anchovies
1 tablespoon capers
6 tablespoons salad oil
1 cup water
2 tablespoons vinegar
3 drops Tabasco sauce
Dash red pepper

Boil garlic in water for 15 minutes, or until garlic is thoroughly tender. If a small quantity of water remains, use it in the dressing, although by this time it usually evaporates. Mash the garlic to a paste; add chopped anchovies and all other ingredients. Should there be too little liquid for the amount of vegetables, add 3 tablespoons of salad oil to every one of vinegar and salt and pepper to taste.

Serve with a fresh vegetable salad, such as the one shown in photograph backing this recipe. This particular combination includes peas, beans, green pepper, tomatoes, chives, and cucumbers, also radish roses for garnish.

Tested by THE AMERICAN HOME

• golden carrot ring

1 cup cooked strained carrots (fresh or canned)
4 eggs
½ cup bread crumbs
1 tablespoon flour
Salt and pepper to taste
2 cups whipping cream

Beat the egg yolks separately and add the strained carrots, bread crumbs, flour, salt, and pepper. Fold in well-beaten whites, and lastly cream, whipped. Pour the carrot mixture into a greased ring mold and set in a pan ¼ full of water. Bake one hour in a moderate oven (375° F.) or until mixture has set. Turn onto a large round plate or platter and fill with fruit, such as grapes, orange, and grapefruit sections. Garnish with a bit of green such as chicory or lettuce. If desired, fill the ring with cooked creamed vegetables, instead of the fruit.

Tested by THE AMERICAN HOME

• cheese croquettes for salad

1 pound American cheese
½ teaspoon dry mustard
6 drops Tabasco sauce
¼ teaspoon salt
2 teaspoons Worcestershire sauce
1 tablespoon flour
4 egg whites
1 tablespoon water
Dry bread crumbs, in which to roll croquettes

Grind cheese in meat chopper, then mash to a paste with fork or spoon. Add seasonings and flour, and lastly 3 of the egg whites stiffly beaten. With the palms of the hand model bits of this mixture to form a ball the size of an egg yolk. Set in refrigerator until ready to use.

Just before cooking, roll balls in bread crumbs, then in the remaining egg white, beaten and mixed with the water, and then in crumbs again. Fry in a basket in deep hot fat (375° F.). When golden brown remove from fat. Drain on brown paper and serve immediately. Makes 16 croquettes.

Tested by THE AMERICAN HOME

• Italian rice

1 cup raw rice
2 onions (chopped fine)
1 pod garlic (chopped fine)
3 cups soup stock or (1 cup consomme and two of water)
¼ teaspoon saffron (if handy)
2 tablespoons butter, margarine or salad oil
Salt and pepper to taste

Heat fat in skillet. Add onion, garlic, and rice and fry until grains of rice become golden brown. Add salt, and pepper, and saffron. Add stock or consommé and water. Cook until rice is tender (about ½ hour). It may be necessary to add more water if rice begins to stick to the pan, but it should be dry when done, each grain standing alone.

Serve hot in a vegetable dish or platter with tiny cocktail sausages or frankfurters (shown in the photograph) or small patties of browned sausage. Decorate with watercress and lemon slices or wedges.

Tested by THE AMERICAN HOME

• sweetbreads and mushroom sauce

2 pounds sweetbreads
Salt and pepper to taste
1 onion
3 stalks celery
2 sprigs parsley
1 pound mushrooms
½ cup butter or margarine
2 cups cream
1 teaspoon Kitchen Bouquet
2 tablespoons Worcestershire sauce
2 tablespoons flour
4 tablespoons sherry
1 teaspoon sugar

Cover sweetbreads with water. Add onion, celery, parsley, salt, and pepper. Boil one hour or until sweetbreads are tender. Strain broth and reserve to use later. There should be about two cupfuls of the liquor. Remove skin from sweetbreads. Wash mushrooms well. It will not be necessary to peel them if they are fresh. Remove caps from stems. Melt fat in skillet, add mushrooms, and simmer until tender (20 minutes). Add two cupfuls of stock from sweetbreads, flour mixed to a paste with cream, and all other ingredients.

Cook until sauce thickens, stirring constantly. Add sweetbreads. Simmer for two minutes longer. This is an excellent sauce to serve over baked potatoes.

Tested by THE AMERICAN HOME

• sea food à la Newburgh

1 quart cooked sea food (shrimp, lobster, crabmeat mixed)
4 egg yolks
4 tablespoons butter or margarine
4 tablespoons flour
2 cups cream
½ cupful Madeira or sherry wine
1 teaspoon sugar
1 tablespoon Worcestershire sauce
Dash red pepper or Tabasco sauce
½ teaspoon salt
½ teaspoon paprika

Melt fat in skillet. Add sea food and allow to simmer five minutes. In a separate bowl beat egg yolks, add cream previously mixed to a smooth paste with flour. Add wine, sugar, Worcestershire sauce, salt, pepper, and paprika. Stir well. Pour into double boiler and continue cooking until mixture becomes the consistency of thin cream sauce, stirring all the time. Add sauce to sea food and allow to cook 2 minutes before serving on toasted bread or biscuits.

Tested by THE AMERICAN HOME

When "sumer is icumen" in"

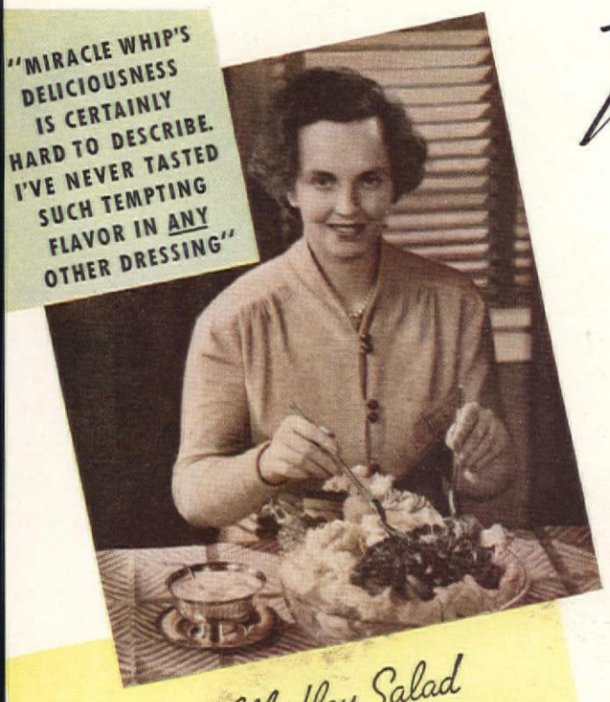
If you are one of those who would explore "America First," I offer golden carrot ring and cheese croquettes, concocted in the kitchens of our own South—MARYANNE DOUGLASS

Photograph printed on back of each recipe

Photograph printed on back of each recipe

Photograph printed on back of each recipe

Millions prefer this flavor "that is different"



Spring-Medley Salad

At Mrs. Fred Wolff's buffet luncheons this salad wins *many* a compliment. Heap up a salad bowl with crisp lettuce. In separate lettuce cups put generous portions of peas, cauliflower flowerets, Julienne green beans, Julienne carrots, sliced radishes and sliced tomatoes. Place these cups around rim of bowl; fill center with watercress. Mrs. Wolff serves each guest with watercress, lettuce, an assortment of vegetables—*and then Miracle Whip!* "It's *this* dressing," says Mrs. Wolff, "that gives vegetable salad the right dash!" *You'll* agree when you try it.

An entirely new type of salad dressing
. . . exclusive with Kraft

In bungalows and penthouses . . . in great cities and little towns . . . the swing is to Miracle Whip! It's a nation-wide swing to a wholly new flavor in salad dressing . . . a flavor that is not too tart, not too bland, with *just* the right piquancy!

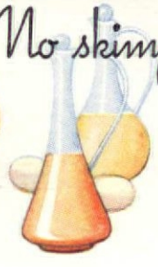
A skillful combination of mayonnaise and old-fashioned boiled dressing — that's what has won America! *Miracle Whip now outsells the next 20 leading salad dressings combined!*

Back of this remarkable popularity . . . back of Miracle Whip's tantalizing flavor . . . stands Kraft's special recipe. It calls for far more of the expensive ingredients than are ordinarily used in commercial mixtures. And Kraft's exclusive Miracle Whip beater fluffs these ingredients to a creaminess never achieved before!

Taste Miracle Whip on your pet salad real soon! *You'll* join the millions who have switched *permanently* to Miracle Whip Salad Dressing!

HEAR THE KRAFT MUSIC HALL PROGRAM. Bing Crosby, Bob Burns and famous guest stars! Every Thursday night, N. B. C.

No skimping of costly ingredients here!



If ever you waver between Miracle Whip and a "just-as-good" dressing, remember this: in many dressings, expensive ingredients are deliberately skimped. In making Miracle Whip Kraft uses more—far more—of these costly ingredients. That is one reason why millions prefer this product which is a cross between mayonnaise and old-fashioned boiled dressing.

Copr. 1937 by Kraft-Phenix Cheese Corporation

Clicking... right from the start

What a love story this is. An introduction—that's all they needed! That's all that *thousands* needed! At once DEL MONTE Pineapple Juice became their "one and only." Theirs for cheery refreshment. Theirs for a *flavor* thrill.

And naturally enough! Who wouldn't "fall" for the tropic's grandest drink—packed DEL MONTE's way? Rich with the zesty goodness of luscious, field-ripened pineapples!

Just see if *you* can resist it!

Pour yourself a tall golden glassful. We think you'll find a new love for pineapple juice—a deep and lasting attachment—in DEL MONTE's kind!

IT'S DEL MONTE PINEAPPLE JUICE

Pure
Natural
Unsweetened

That lump of sugar

Iow little we think of the amount of work necessary to oduce that lump of sugar we op so nonchalantly into our of coffee, or the cupful of wdered sugar we measure out make into a toothsome icing our cake.

t is sometimes said that we nericans eat almost our own ight in sugar every year. Like er English speaking peoples, have an exceedingly sweet th and eat about three times much sugar in proportion to oulation as the average Conti- ntal nation. The sugar consump- n of a country is often said to an illustration of its prosperity. Sugar is a comparatively mod- product. The ancient Greeks d Romans, having no sugar, d honey as a sweetening agent. gar was produced in India as ly as the first century, either m sugar cane or bamboo or h, but for years it was used y as a rare delicacy at feasts for medicinal purposes.

The Arabians brought the sugar e plant from India to the West d also gave it its name—the rd sugar is Arabic. At first y introduced the cultivation of plant into the valley of the gris and Euphrates, then into ypt and finally into Spain. It s not until the 12th and 13th turies (the time of the Cru- les) that sugar became gener- y known in Europe. The earliest ord we find of sugar in Eng- d was at the beginning of the h century, and then only as a dicine. Two pounds of it cost much as a pig, or as much as a penter could earn for two days labor.

By the close of the 14th century rope had developed a flourish- trade in sugar and other ental products by way of the erland route. Columbus was king a water route for the de in sugar and spices when discovered America.

Soon successful efforts to grow gar nearer home were made. om Madeira and the Canary nds the sugar cane was intro- ced into Haiti, Cuba, and other nds of the Western Atlantic d then into Mexico and Brazil. e sugar and spice trade was mensely valuable, and one of great motives which impelled ain, France, England, and other ropean nations to reach out er tropical and subtropical col- ies was to obtain a sugar sup- . Sugar cane was first grown the English Colonies in North nerica in 1751, but the industry s of no importance until about enty-five years later.

Today half of the world's gar is produced in the temper- regions of Europe and the United States from the sugar beet. The first serious attempt to utilize this source of supply was made by Napoleon when the Allies were blockading the ports of continental Europe and cut off the import of sugar. He made large grants of land and money to encourage the sugar beet industry, and many factories were established in France and Germany. In the latter half of the 19th century, the new industry advanced rapidly in Europe, but it did not become important in the United States until the final decade of the century.

The "sugar bowls" of the world today are Cuba, India, Java, the Hawaiian and Philippine Islands, and Porto Rico. These are the producers of cane sugar. Beet sugar is grown chiefly in Germany, United States, Russia, France, and Austria-Hungary. Louisiana produces nearly all of the cane sugar grown in the United States, but Alabama, Mississippi, Florida, and Texas also grow some, principally for making syrup. The leading sugar beet states are Colorado, California, Utah, and Michigan, for sugar beets grow best in rich soil with plenty of moisture in the spring, a dry summer, and a cool dry fall. Excellent results have been obtained through irrigation so that semi-arid sections of the west have become large producers.

A field of sugar cane looks somewhat like a field of corn, but the cane is much taller than corn, reaching sometimes a height of twenty feet. The stalks grow thickly crowded together with a large branching cluster of leaves at the top of each stalk. The plant stalk is divided into many joints, like bamboo, sometimes as many as sixty or eighty. At harvest time, the workers cut the stalks with broad, sharp knives and strip the leaves away. The yield per acre sometimes is as high as forty to fifty tons. The juice of the stalk is approximately ten to twenty per cent sugar.

At the mill, the juice is squeezed from the stalks by sets of heavy rollers, each set squeezing just a little harder than the one preceding. The stalks are sometimes torn by a "shredder" before they go to the rollers and are moistened with steam and water to aid in the extraction of the sugar. When the cane has been thoroughly squeezed the stalks or "bagasse" are quite dry, and this fibrous mass is carried away to the power house to be used as fuel.

Milk of lime is added to the raw juice to precipitate the impurities which hinder crystallization. Sulphur dioxide is then added to neutralize the excess of lime and to further bleach and

Table and Contents NOTED

Noted: The checkered tablecloth and the portly, full-bosomed, red-brown crock, the color mellowed by five thousand Saturday bean-feasts. For it was turned on a potter's wheel perhaps a hundred years ago.

Noted: The beans* that filled the crock. The kind of beans you get up Boston-way, well-seasoned with molasses, enriched with sweet, juicy slabs of pork, well-streaked with lean.

Noted: (although it sounds incredible) These beans were transferred to the crock from shiny Heinz 57-labeled tins just half an hour before we ate.

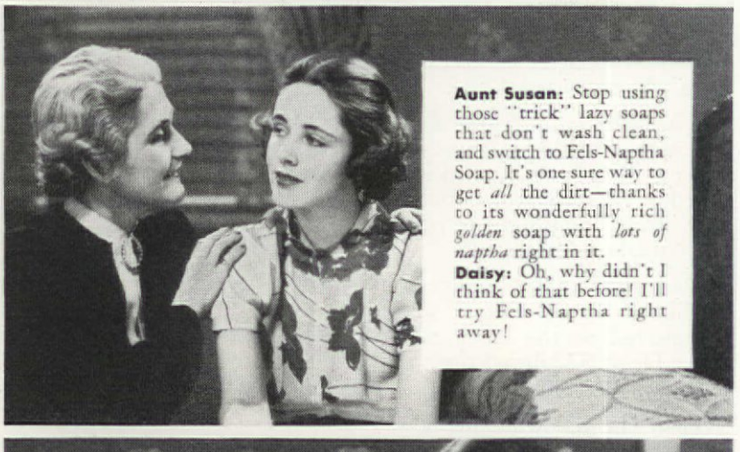
Noted: The yellow mixing bowl landscaped with relishes. Idea borrowed from a famous New York eating place. The bowl is filled with fine-cracked ice on which are set olives (ripe, stuffed and plain), Heinz Sweet Green Gherkins. Fronds of celery rising like a fountain from the ice.

Noted: Brown-bread and butter sandwiches on an old Connecticut "slip-ware" plate. Antique knives. Broad-bladed—the better to eat with!

Noted: It's much, much easier than pie to serve a baked bean supper for your crowd. Just order several tins of Heinz Oven-Baked Beans (yellow label Boston-style with pork and molasses). Word of warning: Be quite sure you get Heinz Beans because they are baked—really oven-*baked*—through and through.

*N. B. (Note on Beans) Heinz makes four delicious kinds of beans, all oven-baked: (1) with pork and tomato sauce, (2) in tomato sauce without pork (vegetarian), (3) with molasses sauce and pork, Boston-style, and (4) red kidney beans.

Heinz
OVEN-BAKED
BEANS



BANISH "TATTLE-TALE GRAY" WITH FELS-NAPTHA SOAP!

purify the juice. It is then evaporated in vacuum pans into a thick syrup, and finally to sugar crystals. Part of the syrup does not crystallize and remains on the crystals. The whole sticky brown mass is then put into centrifugals, and most of the syrup, now properly called "molasses" is forced out through perforations in the drum, leaving the sugar inside.

The molasses is then boiled and crystallized once or twice more producing an inferior grade of sugar. This "raw sugar" is now shipped to the sugar refineries. As it still contains many impurities which give it a color varying from dark brown to nearly white, it must be refined before it is ready for the market. At the refineries, the dark sticky raw sugar is mixed with water and again put into centrifugal machines. This again produces sugar crystals and molasses, but the sugar crystals are much whiter than they previously were. These crystals are dissolved again in water and pass through cotton filters from which the liquid comes out clear and light yellow. The soluble impurities are now removed by filtering the liquid through bone-black. This refined syrup is now ready for the final processes of boiling in vacuum pans, crystallizing, and putting again through the centrifugal machines. The sugar remaining in the centrifugal drums is now pure white granulated sugar, and after being dried and packed, is ready for the market.

Cube sugar is made, as a rule, by pressing moistened granulated sugar into molds. Powdered and confectioner's sugar are obtained by grinding the best grades of granulated sugar and sifting through silk bolting. Brown sugar is the less refined sugar made from molasses.

Sugar from beets

The process of sugar making from the sugar beet is principally the same as the making of cane sugar. However, with beet sugar, the entire process is carried on in one factory. The beets, after having been brought to the factory, are stored in trough-shaped sheds. They are then carried to the washer by a flow of water. From the washer they are dropped into elevator buckets and carried to the slicing machines. There they are cut into tiny V-shaped pieces called "cossettes." These cossettes are now soaked in warm water and the sugar contained in them is dissolved in a series of tanks known as the "diffusion battery." The warm water is forced through these cylinders, one after the other, and when it has passed the last tank, it contains the beet juices plus all the impurities which must be removed. This is done by adding carbon dioxide gas and milk of lime and filtering in hu filter presses. This process is th repeated, and the purified liqu is reheated and bleached with s phur dioxide. After a final filt ing it is boiled in vacuum pa and goes finally to the centrifu machines.

The molasses from beet su is not palatable for food so it rediluted, boiled, and whirl again in centrifugals. The res is "second" molasses and a brow ish sugar. The brown sugar is p into the diffusion tanks again a comes out finally as granulat sugar. The "second" molas yields potash for fertilizer a "press" cakes for cattle feed. It also interesting to know that s charin is a white powder mar factured from coal tar. It is 3 times sweeter than cane sugar a is used in many ways as a sug substitute—especially medicina —as in diabetes, liver diseases, duction of corpulence, or whenev the use of sugar is undesirable.

—E. M.

Swim in your own back yard

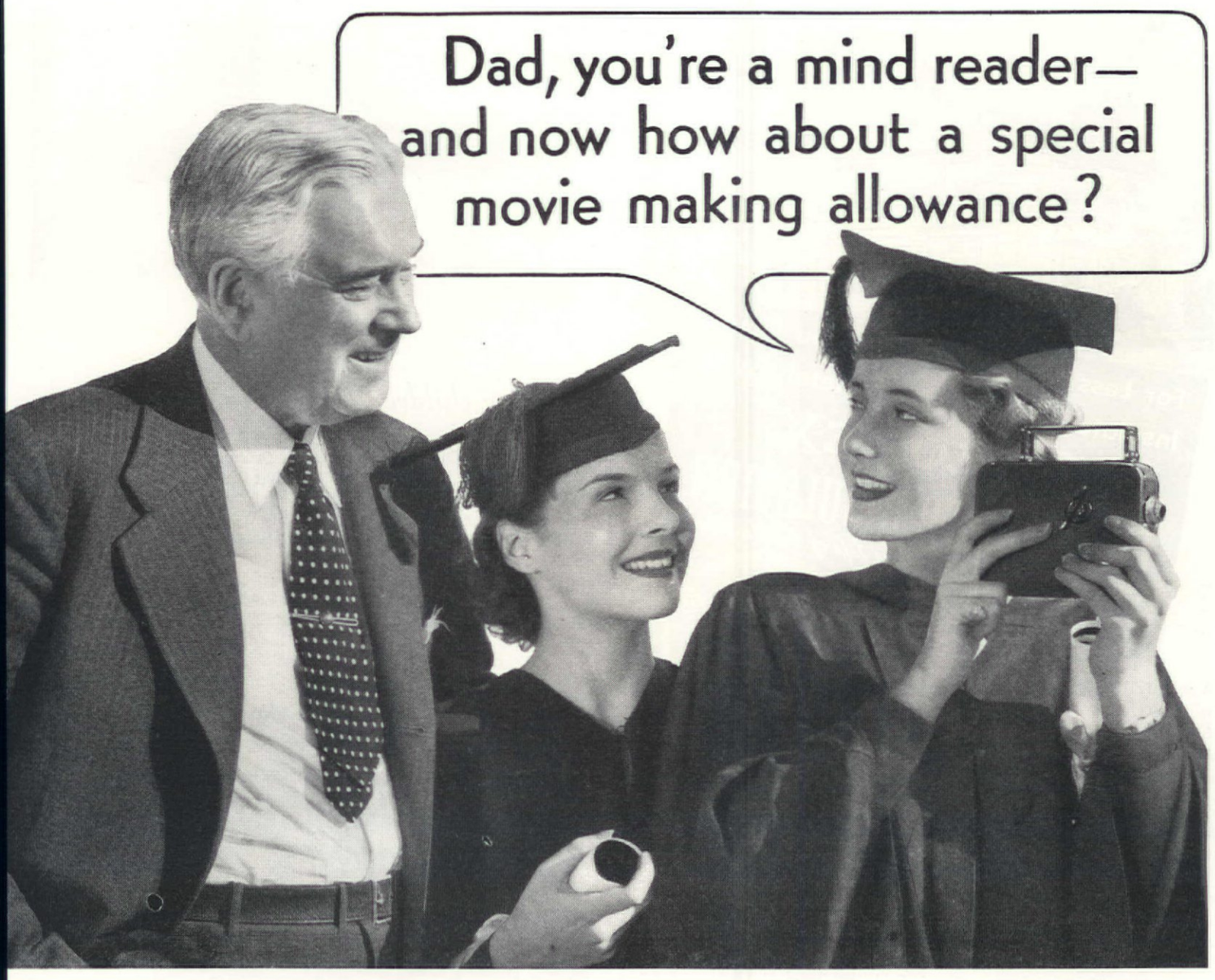
[*Continued from page 22*]

should have some knowledge of

This pool is designed to drained periodically and fil with fresh water, instead of ru ning the same water through filter, a more expensive instal tion. Hence, if the pool can located on higher ground than surrounding premises, so much better, as the waste water can th be drained off on to garden a shrubbery. If only level land available, it must either be run in the sewer or pumped out w an electrically-driven pump.

Excavation must be consid ably larger than the outside mensions of the pool to allow setting up the forms. These can of any rough lumber provided inside wall fits neatly and is surfaced boards to leave the c crete smooth. Another import point: once the concrete work started it must be carried throu to the finish, because if one sect is permitted to set before anot is added there will be a joint qu liable to leak. In other words, w and bottom should be perfec "welded." If the finished bott is exposed to the hot sun wh setting it should be kept mo with a fine spray from the hose covered with wet burlap.

The original pool is beginn its fourth year, and has been highly successful and so popu that it was necessary to build fence around it to discourage invited guests—often compl strangers who without any p mission had no compunction making it a public institution.



. . . No need for that—CINÉ-KODAK EIGHT was made specially for people who have to watch expenses

A MOVIE CAMERA . . . there's a thrilling gift for that girl or boy graduate—but don't home movies eat up a young person's spending money pretty fast? Not if you choose wisely. Give Ciné-Kodak Eight . . . specially designed to bring movies within the reach of just about everybody.

The secret of the Eight's inexpensiveness is easy to understand. A 25-foot roll of black-and-white film for Ciné-Kodak Eight costs you only $2.25, *finished, ready to show.* Yet it runs as long on the screen as 100 feet of amateur standard home movie film—gives you from 20 to 30 movie scenes, each as long as the average scene in the newsreels.

Full color with Kodachrome

Load the Eight with the remarkable new Kodachrome Film, and you can make movies in color—gorgeous full color. Simple to make as black-and-white, and the cost is just a few cents more a scene. No extra equipment needed. The color is in the film. See sample movies in black-and-white and in full-color Kodachrome at your dealer's today . . . Eastman Kodak Company, Rochester, N. Y.

Makes marvelous movies at everybody's price

ONLY
$34.50

For Less Than $60 Extra, You Could Insulate This Home Completely With

CELOTEX
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GUARANTEED INSULATION
Guaranteed in Writing for the Life of the Building

See how Celotex nails direct to the framework inside and out—fits tight and stays put—provides a stronger base for plaster and leaves all-important "breathing space" in the wall.

FHA says of this house, "*The addition of insulation . . . would make a material saving in fuel and add comfort. Its inclusion is recommended where circumstances permit.*" So read these surprising facts:

At little or no added cost, you could add insulation to this house by using Celotex Vaporseal Insulating Sheathing in place of ordinary sheathing! Or, for less than $60 extra, you could have *complete* insulation—Celotex Insulating Lath on the inside and Celotex Insulating Sheathing on the outside.

Actually you would add $175 to $200 worth of insulation to FHA "House E"—yet pay less than $60 extra for it because Celotex *replaces* building materials you would otherwise have to buy.

You would have all the advantages of Celotex insulation, *guaranteed in writing for the life of the building*—fine, strong, plastered interior walls—permanently weather-tight outer walls—summer comfort—and winter fuel savings which alone would soon pay the extra cost. Permanent insulation guarded against termites and dry rot by the exclusive patented Ferox Process.

See your architect, contractor and Celotex dealer for accurate, *money-saving facts* on building with Celotex. And mail the coupon now for FREE booklets.

These 10 Vital Points are Covered by a Written Contract with YOU:

1. **CELOTEX IS GUARANTEED** *to Maintain Insulating Efficiency for the Life of the Building!*
2. **CELOTEX IS GUARANTEED** *to provide Structural Strength!*
3. **CELOTEX IS GUARANTEED** *to give Lasting Fuel Economy!*
4. **CELOTEX IS GUARANTEED** *against Destruction by Termites!*
5. **CELOTEX IS GUARANTEED** *against Destruction by Dry Rot!*
6. **CELOTEX IS GUARANTEED** *to be Water Repellent!*
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8. **CELOTEX IS GUARANTEED** *not to Settle away from the Framework!*
9. **CELOTEX IS GUARANTEED** *against Loss of Insulation Efficiency upon Painting or Plastering!*
10. **CELOTEX IS GUARANTEED** *to meet Dept. of Commerce Commercial Standards and U. S. Federal Specifications!*

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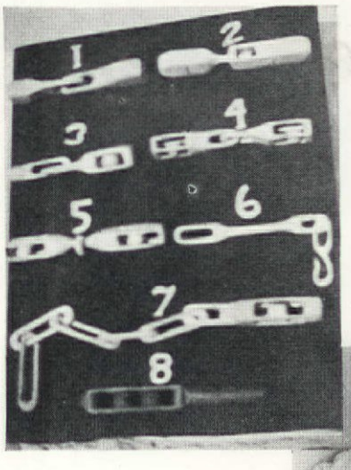
Our children have their own museum

NATHAN M. SOUTHWICK

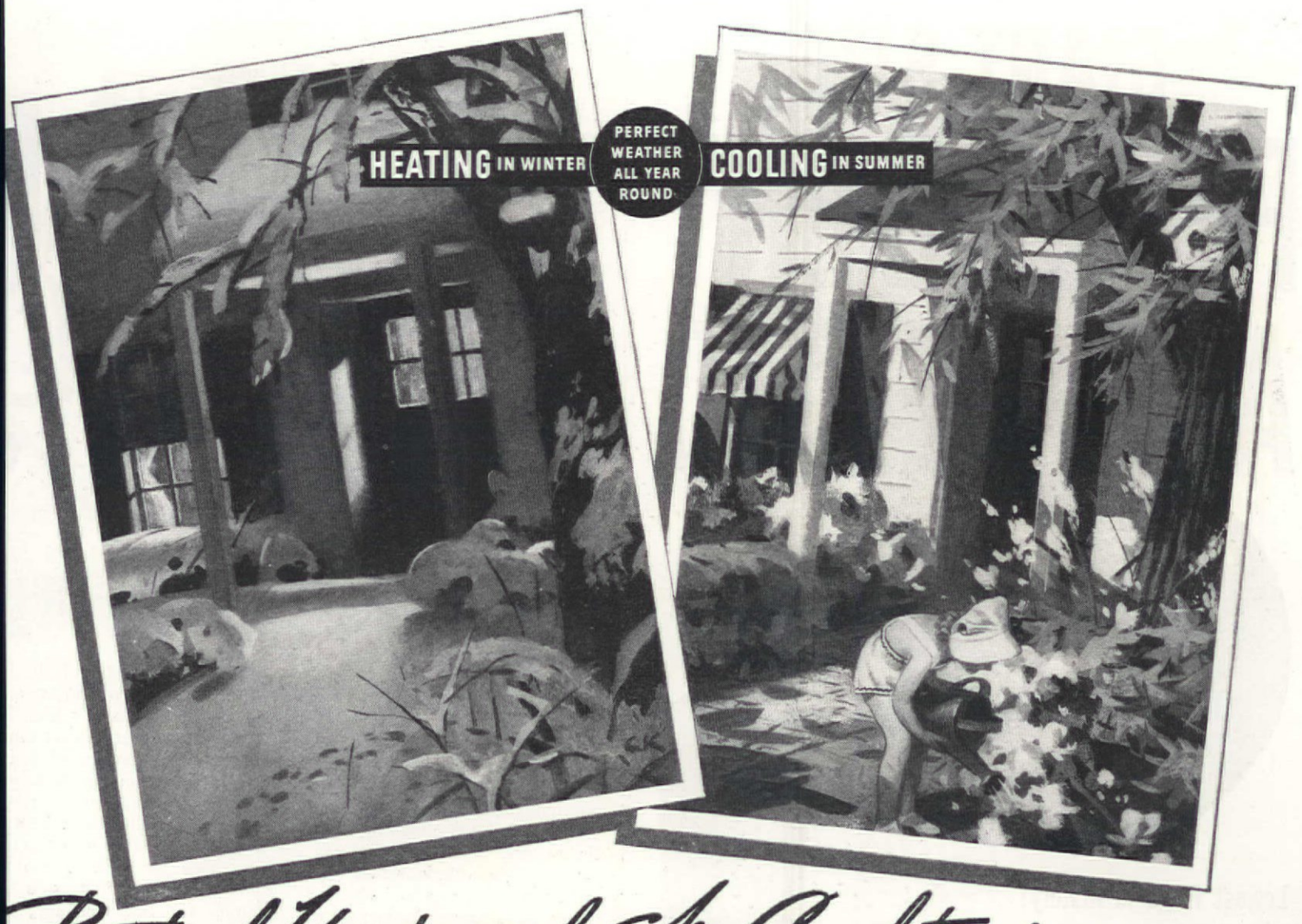
WHEN our eldest son, aged eight years, and his sister, aged six, first began collecting specimens for their museum, the initial acquisitions were sea shells, pressed leaves, butterflies mounted on pins, turtle shells, snake skins, antiquated bird's nests, and so forth. As our other children arrived and attained the age at which they, too, became museum minded, many exhibits of like nature were added to the original mass until its octopus-like tentacles penetrated cupboards, shelves, and other hidden places that youthful initiative considered suitable and convenient.



But as a degree of wisdom and discretion crept into the sensibilities of the originators of the enterprise, a meeting of members was called, at which it was decided, perhaps not unanimously, that henceforth their object should be the quest for genuine antiques, preferably New England, but anyway, antiques.

Our children's interest in their first museum was created as a result of visits that they made to the Natural History Museum on State Street, in Worcester, our nearest large city, six miles distant. There they made a superficial study of stuffed birds, animals, and fishes, and also of the insect family. This interesting exhibition instilled in the minds of our youthful naturalists the desire which resulted in their first museum.

Several years later, during the high school period, the children became interested in such institutions as the American Antiquarian Society, the Worcester Art Museum and the Worcester County Historical Society. Under the influence of such organizations as these, their viewpoints broadened to the extent that they no longer confined their activities to collecting specimens for what, at best, was a meagre assortment of natural curiosities; and after visiting museums in Boston and New York, they were more than ever attracted to the antique field, and a trip to Sudbury



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e Delco Conditionair provides auto-tic warm air heating in winter, cooling summer, and complete air conditioning days a year—all at a cost no higher n automatic heating or cooling alone. y also be had for warm air heating and nter air conditioning alone.

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A single, trouble-free installation gives you heating in winter—cooling in summer—and conditioning of air 365 days a year

Air Conditioning, as "Products of General Motors" develop it, is long past the experimental stage. It is today giving practical, trouble-free, economical service in homes of all sizes throughout the country.

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A Delco Conditionair (burning either oil or gas) is installed in your basement. Throughout the winter it circulates *warm, fresh, filtered* and *humidified* air through every room in your house—changing the air completely every ten to fifteen minutes.

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...Or, if you prefer, the cooling equipment can be added to your installation *later on.* In other words, you can install year 'round air conditioning all at once...or a season at a time, exactly as you see fit.

The Delco Conditionair and other Delco-Frigidaire air conditioning equipment grew out of General Motors' vast experience in building devices to get the most out of liquid and gaseous fuels . . . and out of its unparalleled experience in electric refrigeration, the basis of modern summer cooling.

Think of it in terms of health and happiness—or think of it as insurance against obsolescence—in any case, air conditioning is here. And in fairness to yourself, you should get all the facts . . . Mail the coupon—Today!

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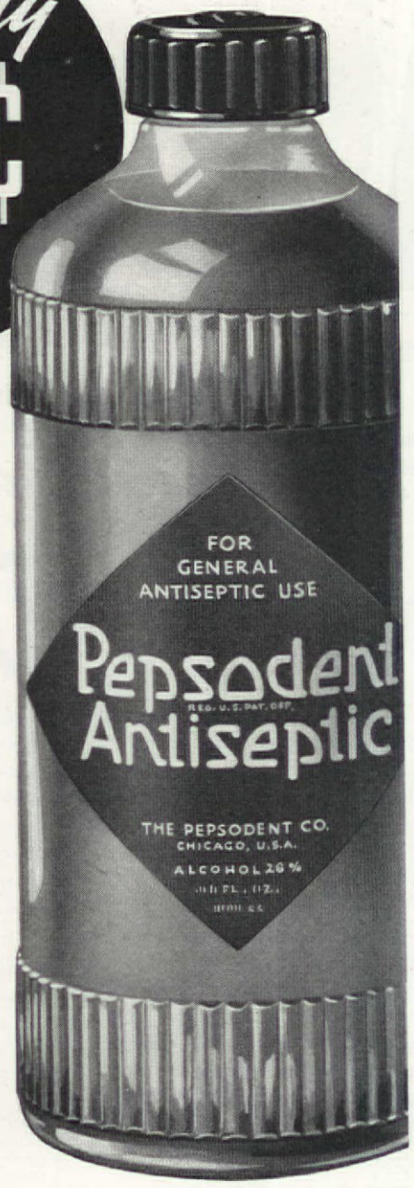
Now only 75¢



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● Now, millions more can switch to Pepsodent, the pleasant Antiseptic that keeps breath sweet and pure 1 to 2 hours longer than many other leading brands!

The giant bottle of Pepsodent Antiseptic formerly sold for $1.00. Now, this new giant size, containing 14 ounces, sells for only 75c.

3 *Bottles for the Price of* 1

Pepsodent keeps breath sweet 1 to 2 hours longer, because it kills odor-causing germs in the mouth even when diluted with 2 parts of water.

Thus you get the equivalent of 3 bottles of Antiseptic for the price of 1! Pepsodent now comes in 3 generous sizes—25c, 50c, and the new bargain size for 75c, the lowest price in history.

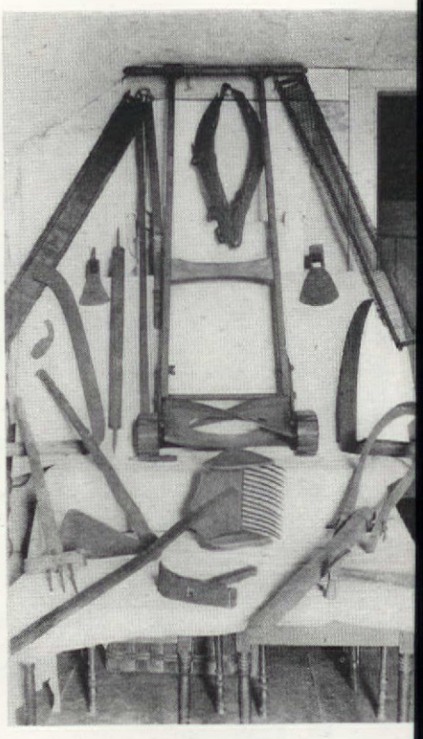
Try, today, this remarkably quick way to relieve bad breath and help fight colds.

In Germ-Killing Power— 1 BOTTLE PEPSODENT ANTISEPTIC = 3 BOTTLES OTHER LEADING KINDS

LASTS 3 TIMES AS LONG..YOUR DOLLAR GOES 3 TIMES AS FAR!

Mass., where Henry Ford's Wayside Inn is located, with its immortal associations with American Antiquity, brought to them added zeal in this endeavor.

We have old and interesting pieces of furniture in daily use in our home, such as desks, bureaus, clocks, sofas, chests of drawers, and so on, but some of the chairs have a particularly enviable Southwick background. In 1868 my father and mother were living at the old homestead here in Leicester, where my paternal grandparents, straight-backed Quakers, had spent their entire married life. After they died, at about the same time, certain renovations were in order, such as storing away in the attic pieces of furniture that had seemed indispensable for the comfort and use of the aged couple, but out of place in the new order of things. Many of the articles that my grandparents had kept in daily use for years and years, were unceremoniously relegated to temporary oblivion high up under the rafters.



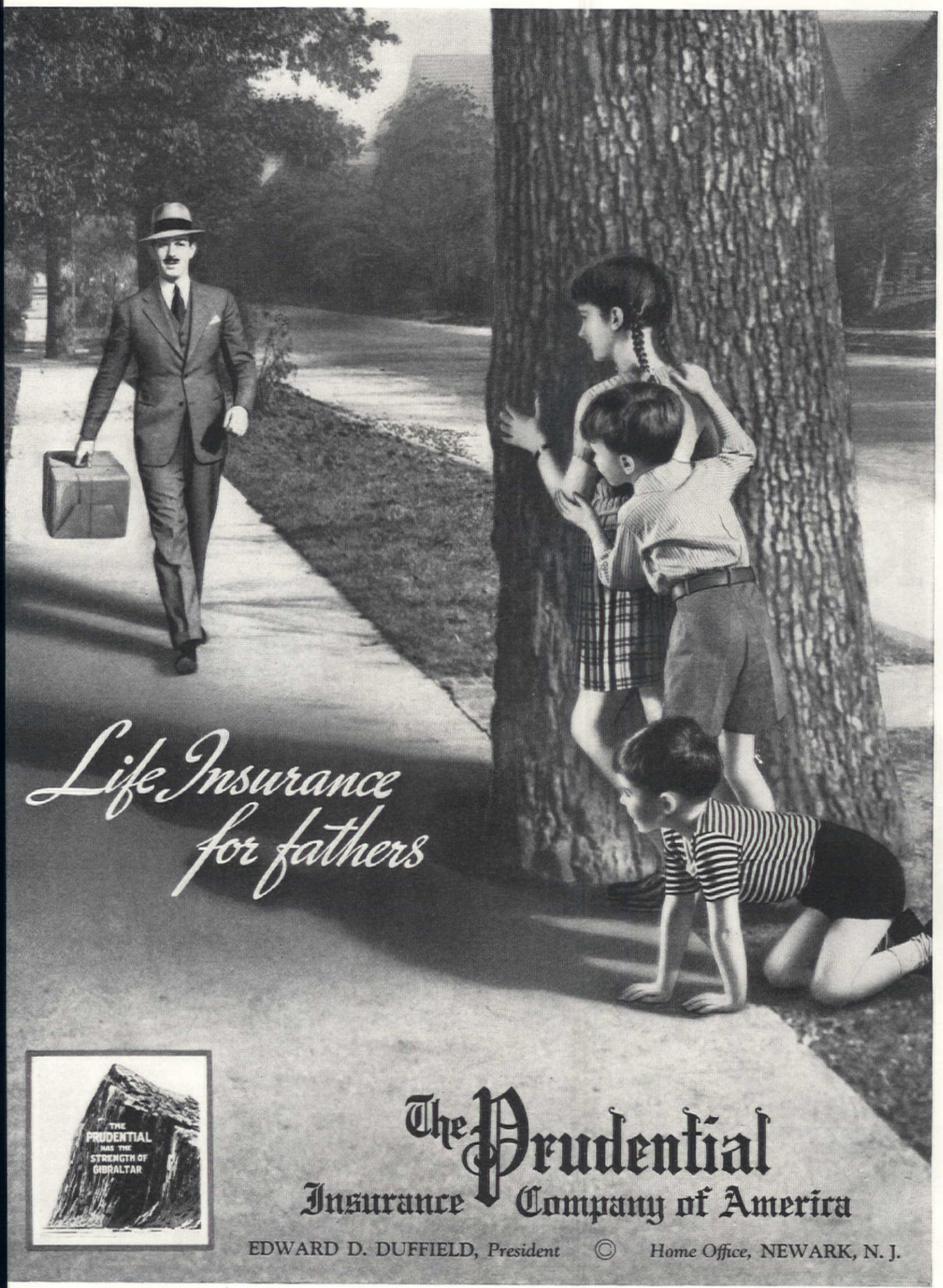
Among these undesirables were some old, high, straight-backed chairs. Save for the lower part of the legs, these chairs were completely covered, arms, seats, backs and all with heavy padding, principally of sheep's wool, which was held in place by numerous layers of home-spun cloth.

Upon entering the attic one day my mother was attracted by the appearance of the legs of one of these chairs. She imagined that they were hand-carved and subsequent examination proved that to be the case. Removing the thick padding required much time and patience, as the chairs had been re-covered many times, each new covering having been placed over the old. However, the chairs ultimately appeared in the nude, much to the delight of anyone artistically inclined. Two of these chairs today grace our parlor, the others having been apportioned among the more covetous members of the family. One of these chairs, as chronicled by my father, dates back, at least, to his great grandmother's time—a genuine antique.

Although daily contact with these heirlooms has been instrumental in developing appreciation for such things in the minds of our offspring, much of their interest in, and love for antiques evolves around a butler's buffet, or, as some would term it, a sideboard. Accurately speaking, it is not a sideboard at all. It is a Hepplewhite buffet of the l eighteenth century, and was signed for the butler's use. T large upper center drawer co forward, the front panel swi downward, forming a desk, w pigeon holes and small draw in back. Here the butler kept accounts. The large lower dra is for linen. On either side of upper drawer are quarter-circu drawers for holding silver cutlery. On either side of lower drawer are quarter-circu doors opening into compartme cleverly designed for holding ju bottles and what have you? buffet was the butler's sanctua but this particular buffet, with superb inlay and special des has an interesting history.

In 1848 Mr. Eli Thayer, worthy citizen of Worces Massachusetts, erected and dowed the Oread Institute Worcester. This was a "Yo Ladies' Boarding School," almost immediately, upon opening, it came into great fa among the elite of the nat Young ladies who were to bec the wives of future presidents other noted men, attended the stitution, as did also those w later in life, became eminent their own right.

The Oread Institute flouris for some years under the guida of Mr. Thayer, but in 1854 o vital interests absorbed his at tion. It was at this time that territories of Kansas and braska were to be admitted the Union as states, and there tremendous pressure being erted, particularly by the so to have these two fertile te tories admitted as slave st Mr. Thayer conceived the ide settling Kansas and Nebraska sending emigrants from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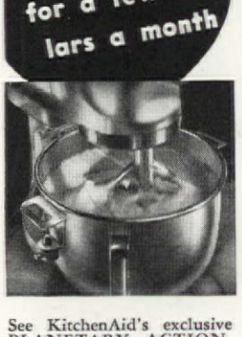
May Be purchased on BUDGET PLAN for a few dollars a month



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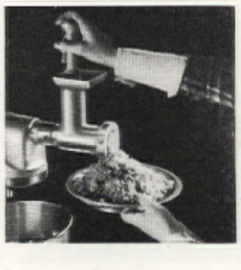
Nor is KITCHENAID too large for the lighter tasks. It's just as practical, economical and convenient to use KITCHENAID for whipping one egg white or a single serving of whipped cream—as for kneading dough, chopping meat, beating cake batters, freezing ice cream, slicing or shredding.

Food Chopper (lower left) is but one of the practical, simple Attachments, from Colander to Vegetable Slicer, which make KITCHENAID the one complete Food Preparer. Learn the real facts about it, and how easily you can own it now.

See KitchenAid's exclusive PLANETARY ACTION. Beater rotates on its own axis, and is carried around stationary bowl in the opposite direction . . . the SECRET of Superior Mixing. We'll be glad to demonstrate KitchenAid in your own home.



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Leading Manufacturers of Mixers, Dishwashers, Potato Peelers, Food Cutters, Slicers and Air Whips for Restaurants, Hotels, Institutions, and Bakeries; Coffee Mills, Meat Choppers, Slicers, and Scales for Food Stores.

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England, hundreds at a time, who were opposed to slavery, and who, as citizens, would do the voting on this question. He enlisted the aid of several influential men, one of whom was Amos Lawrence of Boston. The city of Lawrence, Kansas, is named in his honor.

Many meetings were called in the principal cities in New England, the last and most important being held in Worcester, Mass., Mr. Thayer's home city. Mr. Thayer could not attend this meeting, being confined at home by illness, caused by the strain from the intensive campaign that he had been waging for this cause. However, he was represented by Rev. Dr. Edward Everett Hale, who explained the purposes of the meeting, at which The Massachusetts Emigrant Aid Society was born. Later the Massachusetts Legislature granted the sponsors a charter.

Through newspaper articles, particularly in the "Daily Advertiser" and Horace Greeley's "New York Tribune," and by continuously addressing public assemblies, the members of the society succeeded in recruiting thousands of emigrants, whole families whenever possible. The society promised to erect sawmills, boarding houses and other temporary buildings, and to furnish printing presses and other necessary machinery. Every promise was kept and Kansas and Nebraska came into the Union as free states.

In order to carry out this enterprise much money was required and Mr. Thayer sold his property in the East, including his household furnishings. Among these was the above-mentioned butler's buffet, his most prized possession in this line. This was in 1854. My grandparents, on my mother's side, bought the buffet and moved it to their home here in Leicester, where is was up until three years ago, at which time we loaned it to the Worcester Art Museum where it is now on exhibition for the public.

Although my maternal ancestors possessed other old and precious pieces, all ranked lower in their esteem than this buffet. As children, my sister and I were taught to revere it, as being a thing of great antiquity, beauty, and value. My wife and our children all feel the same toward it, and I think that this feeling was primarily the cause of our youngsters' decision against snake skin and turtle shell exhibits, and in favor of old time relics.

One of the attics in our house furnished the nucleus for the present museum. Further search in this and in our two other attics revealed such a conglomeration of specimens that before long we were called upon to provide space for this ever growing collection. We allowed the children to transform a small room in the lowe attic in the house in which w live, into a show room for thei exhibits. I might say here tha this house is one hundred an thirty-odd years old, and the "ol house," as we call it, situated i the same yard, is so ancient tha Washburn's History of Worceste County does not even mention it existence in its pages.

It is needless to say that wit two attics in one house and one i the other, it is not surprising tha our children had fertile soil i which to dig for treasure. I shoul have said fertile dust. They dis covered such an assortment o antiquated utensils and bric-a brac that ere long we were oblige to remove a partition and gran the children the entire spac around the old-fashioned chim ney. As the quest progressed an the number of treasures fro these attics multiplied, my wi and I took part in the search. W found documents dating back t 1711. We found old portrait nearly lifesize, canvases tha probably had not been subjecte to the light of day for more tha a hundred years. We found an o painting, a landscape, which th Worcester Art Museum has ha restored by Mr. Rosen of th Metropolitan Art Museum, Ne York City. It is now at the Wo cester Art Museum where we hop its authorship may be establishe by means of the X-ray. It is po sible that Ralph Earle, the fir American landscape artist renown, painted this canvas.

Our house was built by Sil Earle, Senior, about the ye 1800. This was called the "Ne House," Mr. Earle and his lar family having lived in the "O House," up to that time. Ralp Earle, the artist, lived in th second house from this one a without doubt spent some tim here with his relatives.

It is nothing short of remar able what one may find in hidde recesses and dark catchalls ba of partitions and under the eav of old houses. Articles that ha been tenderly stored away by pe sons who were once very mu alive, rest under the gatheri dust, long after these people ha passed on, only to be restored view by inquisitive youngste seeking treasures, or by th elders bent on the same missio Many an old house has burned the ground, the flames fed parchment or vellum, broadsi or tract, possibly a Poe's Tam lane, the owners having had knowledge of their existence.

It is a common occurrence tod to see an automobile driven in the yard of some old house, a come to a stop. An occupant the car (there are usually tw makes his way to the front st One glance shows him the rainb stains of age on the priceless wi

The Value Sensation of 1937 is Sweeping the Country!

THE BEAUTIFUL NEW G-E Triple-Thrift REFRIGERATOR

1 SAVES ON PRICE! 2 SAVES ON CURRENT! 3 SAVES ON UPKEEP!

WHEN an all-time low price was placed on the finest refrigerator General Electric ever built—the news spread from coast to coast. Immediately the 1937 G-E Triple-Thrift Refrigerator became the value sensation of the year. That's why people *everywhere* are now buying G-E Refrigerators at the rate of one a minute!

Today you don't have to take "second best" when selecting a refrigerator. The G-E you have always wanted is priced so that you can afford it. You save three ways—on price, on current and on upkeep. The G-E produces more cold—and gives more years of economical service—*for less money!*

All General Electric Triple-Thrift Refrigerators—Monitor Top and Flatop—are powered with the famous G-E Thrift Unit which carries five full years of performance protection. This is the only sealed mechanism backed by a 10-year record of unparalleled service.

Only General Electric Refrigerators have *forced-feed lubrication and oil cooling*—exclusive features that positively assure lower current consumption, quieter operation and longer life.

Every proved convenience is built into these refrigerators. The beautifully styled all-steel cabinets have interior lighting. Full-width sliding shelves with rounded fronts increase usable space. Even the top shelf slides! There are easy-out ice-cube trays, built-in thermometer, deep-dish vegetable drawer, egg rack, water carafe, matched food containers, and scores of other advantages.

Regardless of how you judge refrigeration values—on price, performance or reputation—General Electric is your logical *first and final* choice! Check the features. Study the advantages. Look at today's low prices. You'll find that the model you want is *within easy reach!* General Electric Co., Nela Park, Cleveland, Ohio.

OIL COOLING AND FORCED-FEED LUBRICATION ARE EXCLUSIVE G-E FEATURES!

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TRIPLE-THRIFT REFRIGERATORS

Style News! Smart, "Decorator's Colors"

... a fashion-first in the new Adhesive Sealex Linoleum

... the modern floor that saves as much as 20%

NOW *at last*, you can obtain in linoleum the fresh, bright colors —and subtle pastels—decorators are using in modern interiors. These new colors are *exclusive* with Adhesive Sealex Linoleum.

This is the new Adhesive Sealex Linoleum that saves you as much as 20%! Applied directly to the floor, it gives you a permanent installation!

Adhesive Sealex is the *modern inlaid linoleum* with the adhesive on the back. An extra strong adhesive developed especially for this linoleum! Its vise-like grip on every inch of the floor prevents buckles and bulges where wear begins. You get *years* of greater satisfaction!

See this patented* linoleum with its fashion-first patterns—its savings—and perfectly smooth, sanitary, easy-to-clean surface. *At your dealers!*

Send 3¢ stamp for your 10-page decorating folder, "My Reference Chart for Color Schemes," showing 24 different room color combinations! Write to Congoleum-Nairn Inc., Dept. 31, Kearny, N. J. *Patent No. 1,970,503

SEALEX LINOLEUM

Adhesive right on the back

IT'S NEW!
IT'S PATENTED!
NO OTHER LINOLEUM HAS THIS FEATURE!

NANCY V. McCLELLAND

Note the perfect "Color Correlation" between the Sealex Floor, "Toreador," A-7470, and the Black, Crimson and White Sealex Linoleums used on walls, counter tops, etc.

"I am delighted with the way in which colors have been 'correlated' in the new Adhesive Sealex Linoleums. Among the plain and marbleized patterns, for example, I find colors that match exactly those of the tile and plaid linoleums. With careful color-planning of this sort already done, it is a simple matter to make such effective combinations as that used in this kitchen, where the crimson Sealex borders on the walls and the crimson Sealex counter tops gaily repeat the same crimson that occurs in the tile design on the floor"... Nancy V. McClelland, prominent N. Y. decorator.

ADHESIVE SEALEX LINOLEUM

TRADEMARK REGISTERED

low panes, also the lap-jointed clapboards, and other signs of antiquity which the owners have not recognized.

Manipulation of the old bronze knocker brings immediate response from within. The door is opened by an elderly man or woman who stands upon the threshold. A deferential bow by the visitor is followed by one of a group of stereotyped queries, such as "By any chance have you old papers or letters with the stamps still on them?" If the answer is a firm denial followed by a determined move to close the door, all is well for the householder and his treasures. But if there is acquiescence, or even a slight hesitancy on his part, and the visitor is allowed to place a foot inside the portal, the chances are that the dust of ages will be ruthlessly scattered, to settle later upon empty spaces.

There are many such empty spaces now in our attics whence have come long forgotten articles of every day use a century or more ago. Warming pans of different designs, candlesticks and candle moulds, for both barberry and tallow, whale oil lamps and lanterns, handloom reeds, cattle yokes, fish spears, spatulas, jugs, bottles with the rough bottoms, copper kettles, brass and cast iron andirons, bullet moulds, cannon balls, powder horns, sheepskin covered trunks of many sizes and an assortment of other relics of a forgotten past were salvaged from this New England cradle of antiquity. The accompanying illustrations show some of them.

I doubt if there is a lawn mower anywhere that antedates the one shown here. It is nicely finished and the woodwork is held together by use of wooden pins. A bicycle with iron bound wooden wheels was discovered under a mass of debris in one of our back sheds. It is in perfect condition with the exception of the seat, which is lacking, but I am confident that it will turn up sooner or later.

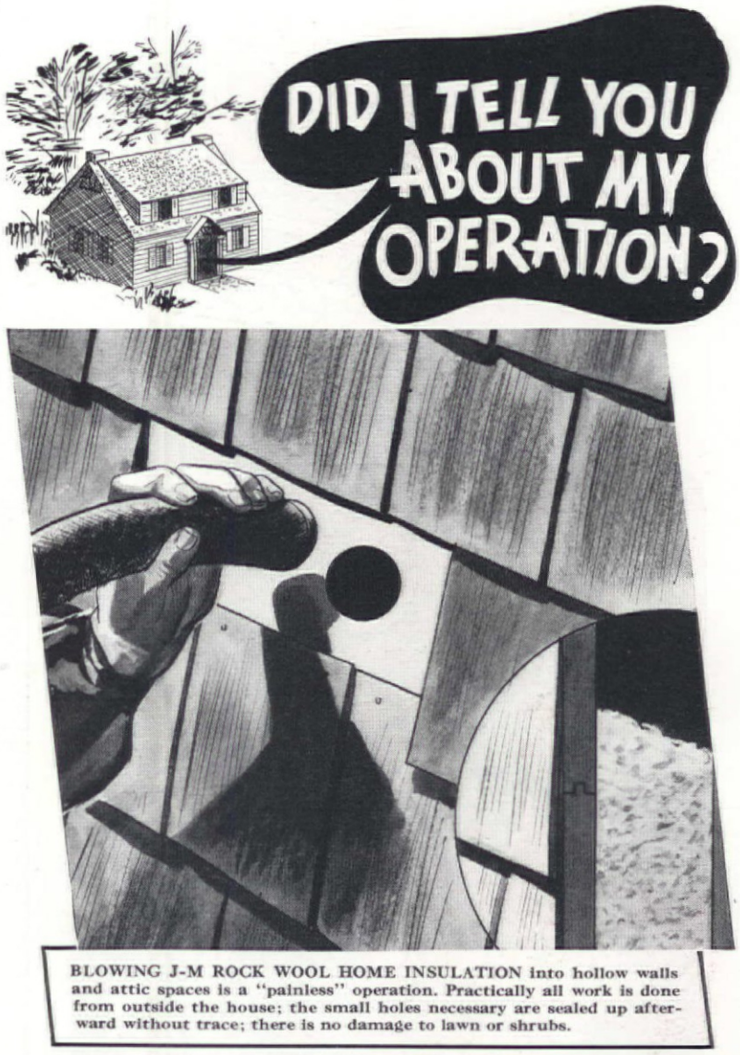
In collecting specimens for their museum our children have been fortunate in having relatives who have aided them in their quest. An uncle is a Rear Admiral in the United States Navy, retired. His son is now in the navy and they both have contributed. With other seafaring men, not antiques, but interesting novelties from remote corners of the earth, such as coins from nearly every nation, curios from foreign lands and seas. Other friends and relatives have donated mineral specimens from many places, also petrified wood from Arizona, redwood from California, beaver bark from Maine, Indian arrowheads, skinning stones, pestles, and numerous other oddities.

While repairing a stone wall on our farm here, which contains three hundred acres, we unearthed an Indian mortar which, with the pestles, makes an unusually attractive exhibit.

Although school and college life have absorbed most of our children's time and energy (we have five college diplomas already, and more to come), they have found time for penknife work on wood. A cut of some specimens is herewith shown.

The museum in its present form embraces the best specimens from the initial collection, and odd curios picked up here and there during the time intervening between the youthful snake skin and pressed leaf era and the high school-age antique period, plus the varied assortment of more worthwhile objects acquired by these energetic embryo connoisseurs since that time. At the present rate of expansion this infant museum will soon require additional space. That will necessitate their taking over another attic room which is now used as the home for stuffed skunks, weasels, squirrels, woodchucks, and the like. Where this menagerie will be domiciled in the future is problematical, but youth is ingenious and the parlor may have the honor.

When the children started collecting for their museum they had no thought of pecuniary reward, but as its existence became known to friends and relatives the word was passed around and outsiders began to show interest. These visitors were always welcome and some manifested a desire to purchase articles that appealed to them. The Indian pestles seemed especially to attract their attention and the warming pans occupied second place in their esteem. However, late one afternoon a car was driven into our yard. The sole occupant of the car, a rather young man, said that he would like to be shown the museum. His wish was granted and he carefully scrutinized the Indian relics and the brass and copper items, apparently completely ignoring a collection of old lamps that was displayed upon the shelves of an ancient black walnut whatnot. After profusely expressing his approbation of the museum as a whole, he casually remarked that he would be interested in the purchase of four lamps from the collection on the whatnot. He retraced his steps and identified the lamps by placing them together on a small table near by. These were four tall glass kerosene lamps with flaring bases, the upper portions being decorated by flutes, and by raised and depressed surfaces, either blown or moulded in the glass. His proffer was declined as the price mentioned was fifteen dollars, which



BLOWING J-M ROCK WOOL HOME INSULATION into hollow walls and attic spaces is a "painless" operation. Practically all work is done from outside the house; the small holes necessary are sealed up afterward without trace; there is no damage to lawn or shrubs.

"NOW my owner says I'm a new house—cool and comfortable even on sweltering days."

THIS house is a *new* house now. It used to be sweltering in summer; sleep almost impossible in upstairs rooms. Now hot bedrooms are up to 15° cooler in hottest weather. And in winter, all rooms are easy to heat; the family saves up to 30% on fuel. A successful operation indeed; and it will do as much for your house.

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This Free book also explains why J-M Rock Wool is *efficient* home insulation. Installed by your local J-M Home Insulation contractor, a *trained* expert, it gives full thickness, correct density, a uniform barrier to the passage of heat. There are no voids or thin spots, no "fluffed-up" areas to mar its efficiency. J-M Rock Wool won't rot, burn or corrode.

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JOHNS-MANVILLE, Dept. AH-6, 22 East 40th St., New York. Send FREE illustrated book telling whole amazing story of J-M HOME INSULATION. I am interested in insulation for my present home ☐: for new construction ☐ (please check).

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GOLD-TINT...A NEW COLOR

This exceedingly subtle tint is neither yellow nor gold, but a blending of both; a color which has the fire, the sparkle and the brilliancy of the jewel topaz. Indeed, decorators decree that settings combining *Gold-Tinted* pieces with clearest crystal will be the smartest of table fashions for 1937. *On Sale* NOW at the *Better Stores*. . . .

The Baroque Pattern, as illustrated above, in crystal, Azure-Tint, or *Gold-Tint*, is available in many pieces. Write for Folder 37-O. Fostoria Glass Company, Moundsville, West Virginia.

FOR 50 YEARS THE GLASS OF FASHION

Golden Fostoria Jubilee
1887 MADE IN U.S.A. 1937

he afterwards raised to twenty-five. This offer was refused also, not for reason of knowledge on our part as to the value of the lamps, but more from the feeling of uncertainty concerning their true worth. He then left us, reluctantly, we thought, leaving us still in possession of the very much coveted lamps.

On the following day, as we were preparing to leave by automobile for Amherst, Mass., where one of our sons was enrolled as a college junior, two men drove up in an automobile.

The occupants of the car proved to be our visitor of the day before, and another young man. The newcomer opened business negotiations at once by requesting us to allow him to examine four glass lamps which his partner had been shown on the preceding day; purchase, if possible, being their object. They were escorted to the museum and after a brief examination of the lamps, on the part of both, we were requested to place a price upon them that would be perfectly acceptable to us. I did not know then nor do I know now why I mentioned the price that I did, but anyway I told them that if they cared to pay one hundred dollars cash we would part with the four lamps. Ten seconds were required for the consummation of that deal, and after carefully wrapping the lamps in old newspapers they placed them in the car and drove away. I should really like to know what those lamps were really worth.

Although the ownership and management of the museum are vested in the younger members of our family, they delegate to me the bargaining in case of sale or purchase and they are more interested in acquisitions than in dispersals from their collection.

One major disappointment in securing specimens occurred some years ago. I had bought a large tract of timberland in Sturbridge, Mass., on which two old houses stood. At the corner of one of these houses stood a very perfect Indian mortar, a much better mortar than the one that we found here later. I fully intended to bring it home but almost criminal neglect on my part resulted in its being stolen. We are still searching for it, and I recently heard that a certain physician in a neighboring town had acquired a very excellent Indian mortar. It probably is not my mortar at all, and the good doctor possibly has a warranty deed to his mortar, signed by Sitting Bull himself.

One of our exhibits is a hand-carved wooden bitstock with its full complement of bits from one quarter inch up. The bitstock is beautifully wrought, substantially assembled, and I have not seen its superior. The bits are shanked with hickory wood and the points and cutting edges are of steel. The set is complete and would be hard to duplicate.

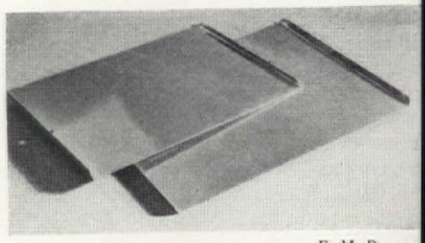
Our museum, since its inception has been administered by our nine children, and we confidently look forward to the time when our grandchildren will take an active part in its management and care. Three of these precious little jewels have already arrived.

We elders hope, and our children foresee our present museum as a nucleus, only, of what may follow. However, it has already provided us with much pleasure and some valuable experience.

Blame your pots and pans

A. HAZEL PRICE

"My cookies seem to brown on the bottom but not on the top"



F. M. Demaree

Our mothers and grandmothers usually baked cookies in an old, black, dripping or roasting pan. However, they, let us remember, baked their cookies in a coal or wood range oven, or a gas oven, which were neither insulated nor regulated. Today, with our modern gas or electric ovens insulated and regulated as they are, we have a vastly different condition, the circulation of air and the distribution of heat making an entirely different baking condition. The old drip pan did not just happen—it was as scientifically designed for the coal and wood range as our modern cooking utensils are for the new ranges. We have changed our ranges—then why not bring our pans up to date in like fashion.

For the perfect cooky every time, choose a medium weight bright cooky sheet, such as aluminum, which is one or two inches smaller on all sides than the oven rack. Place the cooky sheet in the center of the oven and you will have the ideal condition for baking correctly

MIRACLE OF SILENT FREEZING BRINGS OWNERS BIG SAVINGS

SERVEL ELECTROLUX *provides safe refrigeration for more years at low cost... because its freezing system* HAS NO MOVING PARTS

THROUGHOUT its long life, Servel Electrolux serves you in silence! And this is far more than just a comfort. It means *continued* savings, as millions have proved!

For permanent silence is the *outward* sign of a basically different refrigerating method that has no moving parts—and needs none! A tiny gas flame does all the work in Servel Electrolux. It circulates the refrigerant which keeps your food fresh for days and adds to your pleasure with sparkling cubes of ice and delicious frozen desserts.

By this simpler, noise-free way of producing cold, Servel Electrolux is *set apart* from every other refrigerator, bringing you important benefits no other can match. It assures longer, more satisfying performance—a practical absence of upkeep and depreciation—the same low operating cost year after year—lasting economy.

Remember, too: your own local gas company backs and services every Servel Electrolux it installs.

See the beautiful 1937 models at any gas company or dealer showroom. Learn how easy it is to own this modern gas refrigerator on convenient terms!

For farm and country homes, it runs on kerosene or bottled gas

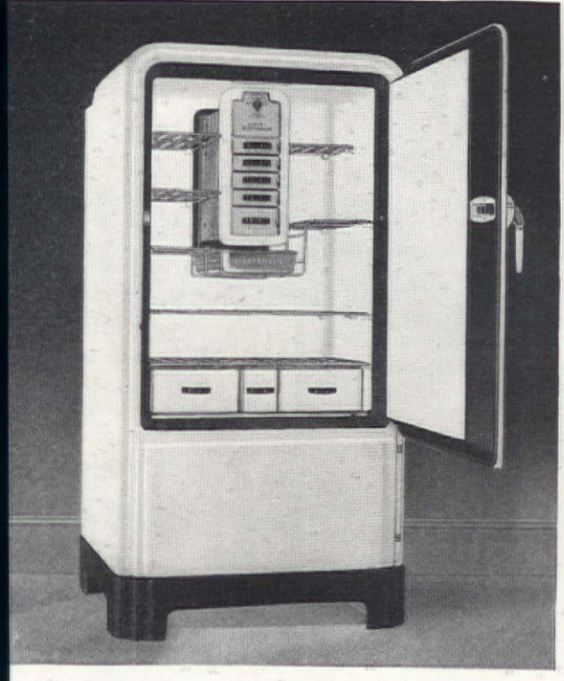
You can *still* enjoy the convenience and savings of a Servel Electrolux, though you live miles from the gas mains. Write for details. Servel, Inc., Evansville, Ind. (Servel Electrolux is also sold in Canada and Central and South America.)

* * *

TUNE IN "THE MARCH OF TIME"—Columbia Network—Thursday evenings, 10:30 E.D.T. Sponsored by the makers of Servel Electrolux.

TEXAS HEAT NO PROBLEM—installed in Houston's Warwick Apts. two years ago, Servel Electrolux refrigerators win the praise of President-Manager W. C. O'Leary for their "freedom from service" even in hottest summer weather.

FILMDOM FAVORITE—Fifi D'Orsay, vivacious star of "Three Legionnaires," a General Pictures production, favors the *silent* operation of a Servel Electrolux—because, like other Hollywood celebrities, she knows it is a real comfort.



SERVEL ELECTROLUX
THE *Gas* REFRIGERATOR

REALLY SILENT—Because Mr. C. A. Larmer of Dallas, Texas, has "plenty of noise all day in town," he insisted on a refrigerator that is "really silent" as well as inexpensive to run. His choice was a Servel Electrolux.

"I ECONOMIZE 3 WAYS by having my Servel Electrolux," writes Mrs. W. V. Quiggle of Washington, D. C. "First, it cuts down my food bills. Second, it costs me less than my former refrigeration. Finally, it never needs repairs."

SAFEGUARDS SCIENTISTS' FOOD—Members of the Bowdoin-Kent's Island expedition in the Bay of Fundy made sure of *dependable* food protection by taking along a Servel Electrolux refrigerator. Kerosene replaced gas as the fuel.

For this charming crack-proof ceiling

TEN DOLLARS
WORTH OF UPSON BOARD
(PLUS LABOR AND ACCESSORIES)

RE-COVER that embarrassing cracked plaster...Quickly...Easily...Economically

LOOK up at your ceilings . . . NOW! Do they reflect the gracious personality of your home? Or are they ugly . . . webbed with sprawling plaster cracks that cause you constant embarrassment?

You need not tolerate unsightly, unsafe cracking plaster. *Re*-cover your *ceilings* . . . and walls . . . with crack-proof Upson Board . . . quickly, easily. Give them charm, character, distinction! Good carpenters recommend and can apply the big sturdy panels right over the old plaster. It can be done in ⅓ the time it takes to *patch* plaster . . . with little muss or dirt.

Upson Board is *not* like other wallboards. It is a *specialized* wall and ceiling material . . . with a smooth, hard, fuzzless surface that is ready-primed. You actually save 20% to 30% in painting costs over rough, paint-thirsty, *makeshift* wallboards.

For Quality's sake, choose Upson Board . . . the board with the famous *blue*-center! And for Economy's sake, too.

Just think . . . Upson Board for the *ceiling* of the average 12x16 room costs less than ten dollars, *plus* labor and accessories. And how you'll admire that ceiling!

UPSON PRODUCTS

UPSON *stabilized* **BOARD**
THE DEPENDABLE BOARD WITH THE FAMOUS BLUE-CENTER

THE UPSON COMPANY
116 UPSON POINT, LOCKPORT, N. Y.

Please send me free samples and further information about Upson Stabilized Board . . . the *specialized* material for re-covering cracked plaster walls and ceilings.

Name _____

Address _____

City _____ State _____

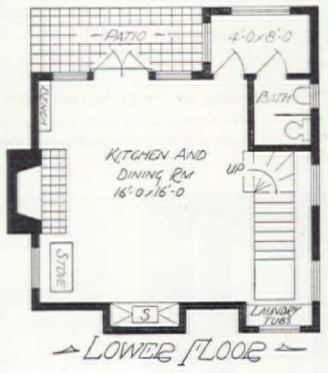
Overlooking San Francisco Bay at Point Richmond

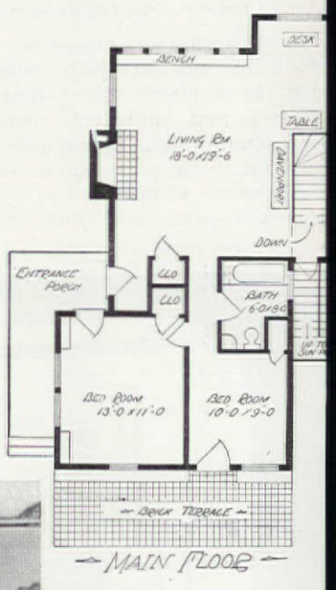
A home for living—indoors and out

RUBY LARSON HILL

REMODELING old houses has always been a fascinating undertaking, but finding a house for remodeling on a "beauty spot" unappreciated by the local inhabitants is thrilling. No doubt many localities have undiscovered spots of great natural charm which were not considered for home sites in the early days because of certain drawbacks. Although the objectionable features have disappeared, the places are still ignored.

Such a spot is the San Francisco Bay coast line at Point Richmond, California. In the early days life was made difficult here by the odor and the soot from the o refineries over the hills and b the poor roads. The mothers, tie down with small children throug the rainy months in the house that had not capitalized on th natural beauty, hated the plac They moved as soon as the could, carrying with them all th unpleasant memories. As yea passed, new equipment at the r finery did much to eliminate th odor and soot, road improvemen facilitated transportation, but th women of early days had no d sire to return. Others coming establish homes naturally bui where these mothers (now th





Left: The house as it was in sea captain's days and, below, it is today after being remode

AIRTEMP YEAR-ROUND AIR CONDITIONING

YOUR No. 1 HOME INVESTMENT

Increases the Selling-Value of Your Home—Gives You Greater Comfort and Health

YOU CAN NEVER make a better home investment than to install Chrysler's Airtemp Winter Air Conditioning—which costs no more than an ordinary heating system.

You get big dividends in COMFORT, in HEALTH and—what is also important—in the actual dollars-and-cents increase in the SELLING VALUE of your property.

WHAT AIRTEMP DOES

Airtemp's winter air conditioner heats, filters, humidifies and circulates the air.

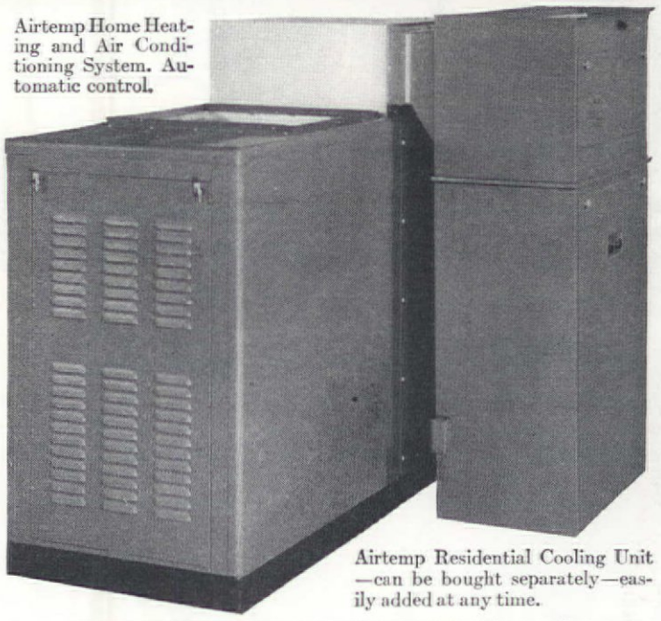
You're through with dry, stuffy air...rid of drafts, colds, discomfort. And it's entirely automatic. No more furnace drudgery.

For *summer months*, Airtemp's summer air conditioner can be easily added—to keep your home *cool* and *clean* and *comfortable* on the hottest days.

YOUR HOME STAYS MODERN

And don't forget this—*years from now* your air conditioned home will still be *modern*...and it will still command a high resale value.

Airtemp home heating and air conditioning systems are available for homes of all sizes. Furthermore, Airtemp makes a full line of automatic heating equipment, including oil burners and oil burning and gas burning boilers. See your Airtemp dealer today—or send the coupon direct to us.



Airtemp Home Heating and Air Conditioning System. Automatic control.

Airtemp Residential Cooling Unit—can be bought separately—easily added at any time.

AIRTEMP, INCORPORATED, Dayton, Ohio (Dept. AH-6)

Gentlemen: Please send me free DE LUXE brochure on (*check which*)

- ☐ Airtemp's Oil Burner
- ☐ Airtemp's ( ) Oil ( ) Gas Burning Boiler
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NAME _____

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Keep Comfortable with **CHRYSLER'S AIRTEMP**

HOME HEATING AND AIR CONDITIONING SYSTEMS

NEW SELECTIONS *from the* RALEIGH COURT GROUP

OF *Traditional Furniture*

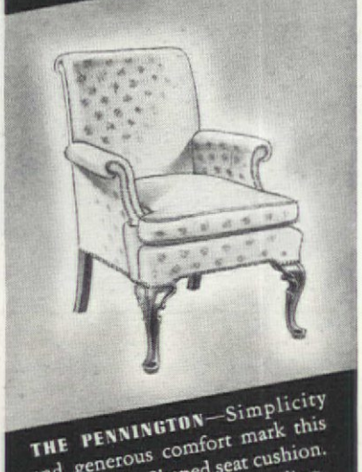
By KARPEN

To choose from the best furniture of the masters those pieces best suited to the American temperament—its preference for simplicity and for comfort—has been Karpen's purpose in its gallery of traditional furniture, which includes the famous Karpen Raleigh Court group based on designs which flourished in the old South. The pieces shown here are reproductions in spirit and in design of some of the finest examples to be found in Colonial, Victorian and Queen Anne styles. Each piece is done in genuine (Honduras) mahogany. Their excellent workmanship is no less a source of pride to Karpen than its ability to offer them at such a modest cost. Write for the new booklet illustrating other splendid pieces in the Karpen Raleigh Court group and the Du Barry Salon.

THE WAKEFIELD—Quaint, compact, crisp with dignity—yet with a chair of pleasing lines and gracious comfort. Handsome coverings.

THE CAROLINE SCOTT—A wing chair of early American spirit which seems to frame its user in an aura of luxurious distinction.

THE SURREY—Almost masculine in its upstanding dignity, this wing chair is yet graceful and full of charm. It is a museum copy.



THE PENNINGTON—Simplicity and generous comfort mark this refined chair. Shaped seat cushion. Favored as a chair for reading.

Karpen

FURNITURE AND MATTRESSES

KARPEN Quality Furniture

S. KARPEN & BROS., CHICAGO

New York San Francisco Los Angeles

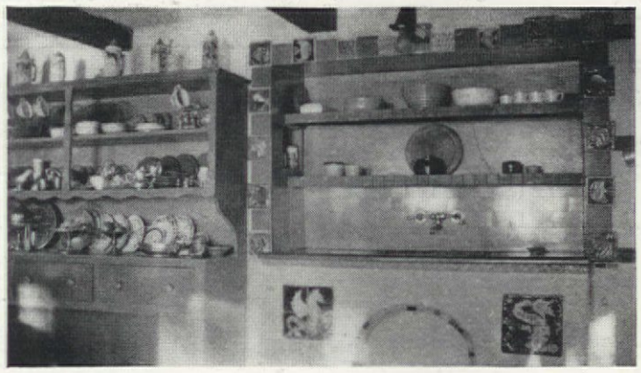
SOLD BY LEADING DEALERS EVERYWHERE

Raleigh Court

"Styled in the tradition of the Old South"

by Karpen

Look for this Symbol of Tasteful Furniture at your dealer's



The sink is recessed in the wall and decorated with tile

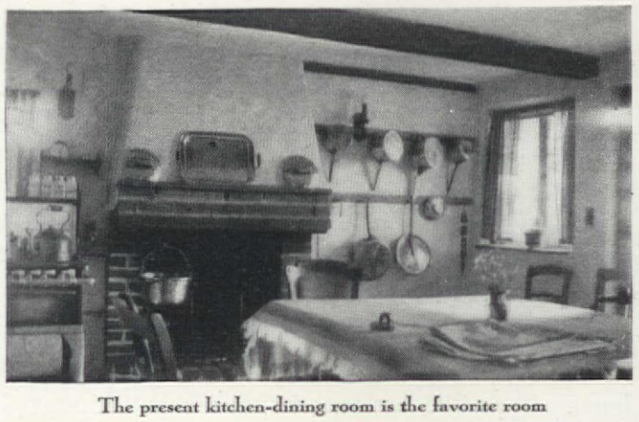
established city families) were. The bay shore with its beauty was not considered for a moment.

It took a person from the neighboring city of Berkeley, Bertha Clark Damon, to discover an old sea captain's cottage, remodel it, and revive the interest in the point as a building site.

The Swedish sea captain and his wife loved this house on the shore of San Francisco Bay even if only one small window opened out toward the view and the rooms were drab and unattractive. Today, however, the house is a charming example of imagination and appreciation of natural beauty at work. The fruit trees, the palm, the eucalyptus, and the rose vine planted by the sea captain are important features of the garden and of the house as well, since one eucalyptus and three fruit trees frame the view from the living room windows. The floor plan was left much as it was originally. The sun porch windows were moved to the living room, and the weaving shed at the left of the house was replaced by a most attractive little house intended for a guest house but now profitable income property. The charm comes from all the special and ingenious things that have been done.

Every room of this house built on the hill opens on to the garden. This makes the house and garden so much a part of each other that you forget whether you are indoors or out. The front entrance leads to the upper floor of the house: the living room, bedrooms, and bathroom floor. The kitchen-dining room is on the lower level. The living room and one bedroom open on to the garden by the way of this porch.

Entering the front door which opens directly into the living room, you catch your breath over the picture window which takes up the whole southwest wall of the room. No other pictures are needed when the windows frame such a picture as this. It is always a glorious sight. At blossom time the apple tree planted by the old sea captain, the cherry and the pear tree bloom in the patio be-



The present kitchen-dining room is the favorite room

The cupboard is built to conform to the line of the stairs

ITS CONVENIENCE THRILLS *Mrs. Modern*

UTILIZING GAS, THE *Convenient* FUEL, MAGIC CHEF SAVES HER WORK, WORRY AND WRINKLES

● "My old stove used to be a bother and an aggravation. It required so much careful watching and fussing that it kept me pretty well tied down to the kitchen.

"Since I got my Magic Chef my kitchen work has been made so easy and simple that cooking seems like play. Magic Chef has so many features of convenience that delight a woman and save her time and bother. It lights itself when I turn on the gas — no matches or push buttons to bother with. Without waiting an instant I can have any heat I want—from low simmer to hot fast fire and a thousand even heats in between. I broil more often now because the Magic Chef broiler is so handy and comfortable to use. There's no long waiting for the oven to heat and the Red Wheel oven regulator holds the heat just where I want it without watching or worrying. I can bake biscuits now in almost the same time I used to have to wait for the oven to heat.

"Best of all, I have so much more time for myself now —time for recreation, shopping or the many other things that make up a woman's life today. Before I leave the house, I can set the Red Wheel oven regulator to take care of cooking a whole meal. When I return, the meal is deliciously cooked, piping hot and all ready to serve.

"Besides praising my meals, my family and friends compliment me on how much better I look. For all of which I give Magic Chef the credit, as well as for a cooler, cleaner, more attractive kitchen and genuine savings on gas bills and food."

If you would like to share these blessings with Mrs. Modern go to your gas company or Red Wheel dealer's store and see Magic Chef demonstrated. From the many models in all styles, sizes, and finishes, you'll find it easy to select your range, at your price.

For free folder describing the newest Magic Chef models, write American Stove Company, Dept. J, 246 Chouteau Ave., St. Louis, Mo.

AMERICAN STOVE COMPANY

BOSTON • NEW YORK • ATLANTA • CLEVELAND
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★ TO MODERNIZE YOUR KITCHEN ★ START WITH THE GAS RANGE ★

MAGIC CHEF SERIES 3700

Represents a revolutionary development in modern gas range design with special advanced features of unusual interest. These include Centered Cooking Top with Combination Cooking Top Cover which serves as a work top when open; Swing-Out Broiler which makes broiling more convenient and comfortable; Semi-Direct Action High Speed Oven; "Skyscraper" Construction. Also standard Magic Chef features.

LOOK FOR THE RED WHEEL WHEN YOU BUY A

Magic Chef

AMERICAN STOVE COMPANY

GAS RANGE

MAGIC CHEF FEATURES

MAGIC CHEF TOP BURNERS—Give a thousand even heats. Will not clog or corrode.

MAGIC CHEF AUTOMATIC TOP BURNER LIGHTER.

SANITARY HIGH BURNER TRAY—Conceals pipes and valves, protects them against boil-overs and food spillage.

RED WHEEL LORAIN OVEN REGULATOR —Cooks and bakes unattended. No guesswork or oven-watching.

FULLY INSULATED—Keeps kitchen cooler. Saves gas.

GRID-PAN BROILER—Two-piece with removable grid, porcelain enameled.* Basting reservoir to catch melted fats, prevents smoking or catching fire.

TIMER—Rings a warning automatically for any time set.

GRAYSON COOKING CLOCK, TELECHRON MOTORED (Extra charge) —Self-starting. Turns oven burner on and off automatically as desired.

*MONEL METAL FOR WORK TOP AND BROILER GRID (Extra charge)—Modern, stainless, easy to clean, noiseless, durable.

COOK WITH GAS • THE MODERN FUEL

For Greater Speed, Dependability, Economy, Cleanliness, Convenience

• • •

Where gas main service is not available, Pyrofax tank gas service may be obtained anywhere east of the Rockies.

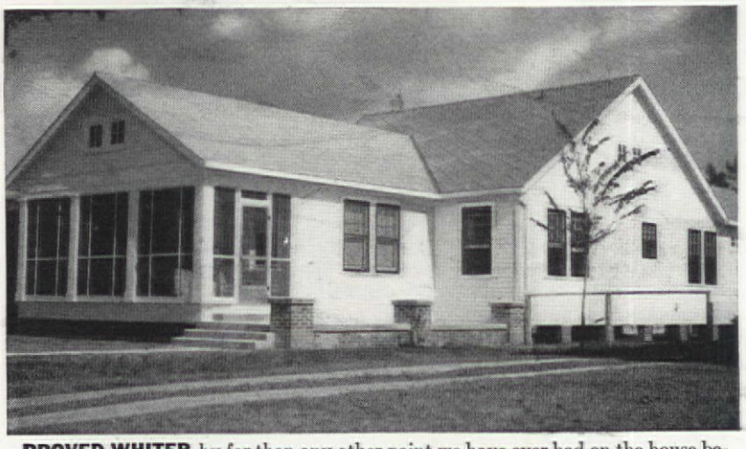
"That Coupon Saved me $23!

It showed me how to have a Better Paint Job—for less money"

Says Colonel Castro Carazo, Director of the L. S. U. Band, Baton Rouge, La.

"What this book says about this paint saving money is absolutely true"

WE SAW AD—The Devoe 2-Coat System sounded good. We wanted facts—so we sent the coupon for the free booklet.



PROVED WHITER by far than any other paint we have ever had on the house before. Every one who sees it congratulates us on the brilliant whiteness of our house.

THE NEW Devoe 2-Coat System cuts painting costs in half... does a better job. Here are the chemists' reasons for it:

Devoe has developed two entirely new kinds of paint. One goes next to the wood or old paint, prevents loss of life-giving oils. The other forms the top-coat, stays whiter and resists sun and weather. They give a finish that outlasts others 2 to 1.

Get all the facts on this new 2-Coat System—send for free booklet. Save yourself money. See your nearest Devoe Dealer. Usually his name is listed in your Classified Telephone Directory.

DEALERS: Devoe Franchises are still available in some communities. Responsible dealers who are interested are invited to write for details.

Employ a Reputable Painter—Specify Devoe

FREE BOOK MAIL THIS COUPON

This book answers your own paint problems. When to paint—What are best colors—How to cut costs—arrange financing. Send today.

DEVOE & RAYNOLDS CO., Inc. AH-4
1 West 47th Street, New York, N. Y.
Send me your free, illustrated book.

Name_____

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DEVOE *House Paint* **THE NEW 2-COAT SYSTEM**

DEVELOPED BY AMERICA'S OLDEST PAINT COMPANY_ EST. 1754

low; in the moonlight a sparkling path leads to the mountains beyond; in the heavy fog the fog horn and buoy bells, and lapping water breaks the eerie, blue-gray stillness; sometimes snows cover Mt. Tamalpais, or the rising sun diffuses a rosy glow over the sleeping maiden. There is even a star path if Jupiter or Venus are in just the right position.

Rust drapes, warm brown woodwork, pieces of old walnut furniture, mahogany stained parquetted soft wood floor, Oriental rugs with rust color predominating and furniture upholstered in rust, blue, and yellow complement the living window picture in the living room. The rust drapes were a happy choice because blues and greens cannot be used against the background of blue water. The fireplace is made from driftwood picked up on the beach below the house. A lovely wood carving, a memento of a European trip, forms the door of a cabinet for storing flower bowls.

A friend arranged the bookcases on the north wall of the living room to have "dynamic symmetry, sustained motion, and color!" Jugtown Pottery, Holland glass, cloisonné. and Harry Dixon's copper give the international touch. The davenport conceals the stairway leading to the peasant kitchen below or to the sun deck on the roof. The ship's lanterns used for lighting fixtures seem perfectly at home in this setting by the bay.

The peasant kitchen-dining room is *the* favorite. Color is brought in with the Russian, Swedish, and English copper, the gay colored dishes and the checked curtains in reds, greens, blues, and yellows. When the house was first built the fireplace was used for cooking, but now the more convenient gas stove has been added. The fireplace still heats the room. The cement floor was grooved with a spoon and painted various shades of red to look like tile. The old walnut furniture fits into this setting. The sink is recessed in the wall and decorated with tile picked up in Europe. The cupboard is built to conform to the line of the stairs. The laundry tubs and the cooler are in a small alcove off the kitchen. The kitchen opens on to a patio that is protected on three sides, but the bay side opens out to the view of the water. The geraniums and the fruit trees changing with the seasons add color. This patio is a real outdoor living room.

This house is a house of memories, because things from many travels are incorporated in it. Here Mrs. Damon has brought the charm of the old world with the conveniences of the modern world, the joy of being on a sea voyage with none of the discomforts, and the beauty and color of the San Francisco Bay. The worries of the work-a-day world are left on the other side of the hill. Here one lives. Others in the community are beginning to realize it, too!

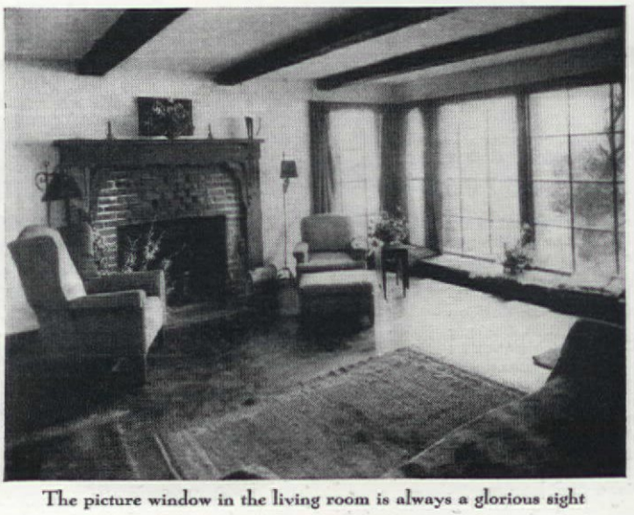
Ranch house atmosphere on Peachtree Street

[*Continued from page 21*]

giving a colorful note to the room.

The living room ceiling is paneled in Georgia pine, while the walls here and throughout the first floor are of white plaster. The wide oak floors in the living and dining rooms are trimmed with an eighteen-inch border of black maple—a nice contrast.

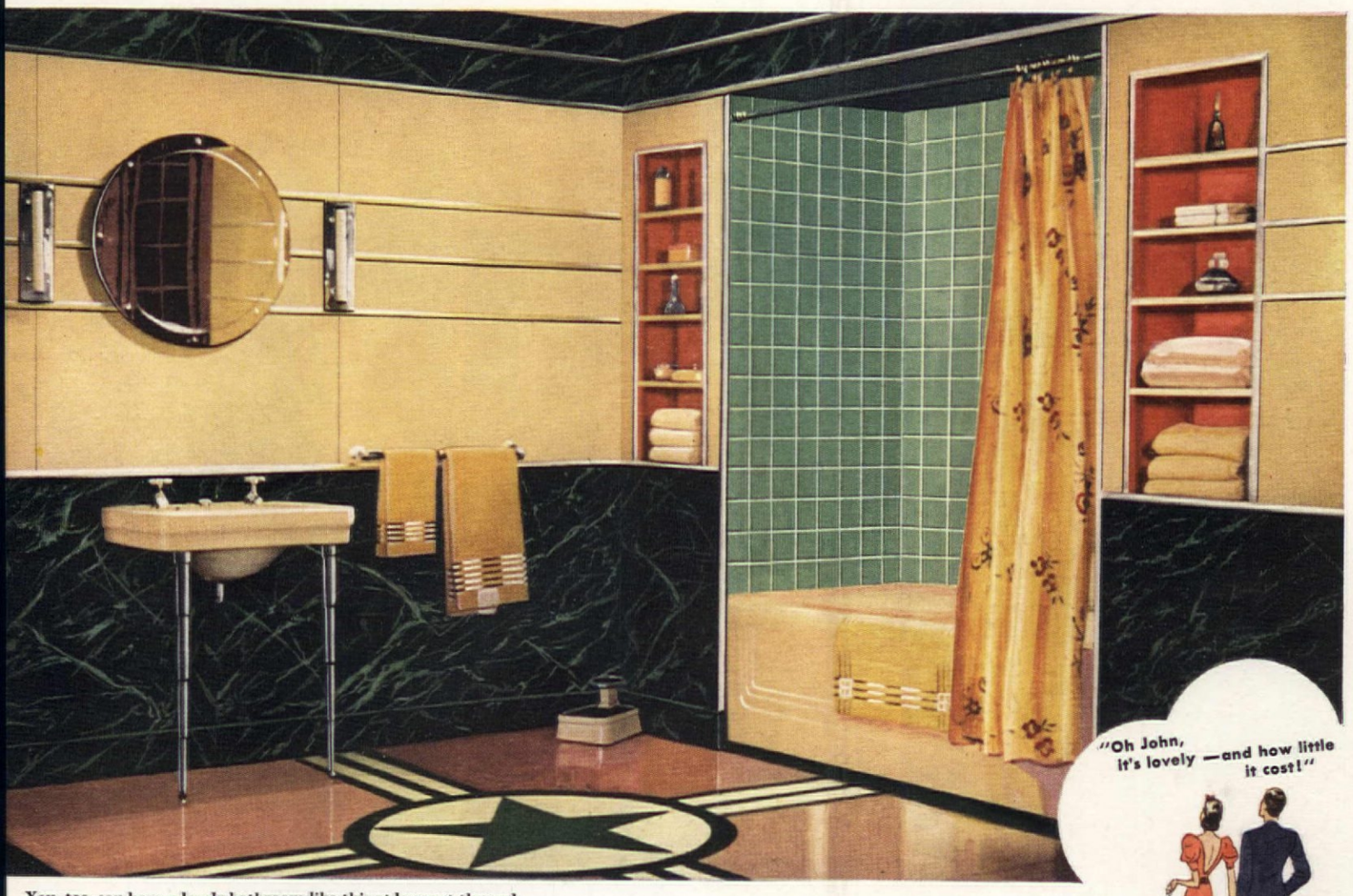
An enormous Mexican wine bottle planted with various kinds of growing plants stands on the long Spanish table in front of the twelve-foot observation window in the living room. All around the room small electrically wired kerosene lamps are hanging. Scatter rugs, linen and chintz upholstered maple furniture, red leather lounge chairs, and a black tile and white wood mantel with anchor-shaped andirons all blend together to give



The picture window in the living room is always a glorious sight

"What can we do with that shabby old bathroom?"

Then the Free "101 Book" gave them this Idea!

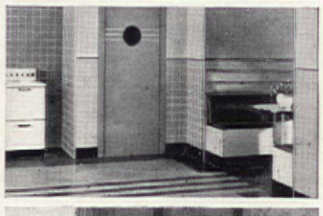


"Oh John, it's lovely —and how little it cost!"

You, too, can have a lovely bathroom like this at low cost through the use of Johns-Manville Asbestos Wainscoting in three styles: the tile design, the unscored color panels and the marbleized.

But this wasn't the only Idea they found in the "101 Idea Book"....

FIRE- AND TIME-PROOF—J-M Asbestos Shingles are charming and everlasting. They will not burn, rot, split or wear out, ice and snow will not dislodge or crack them. There will be no heavy repair bills each spring.



DREAM OF A KITCHEN—Once shabby, gloomy—now bright, modern. J-M Asbestos Flexboard, in both tile design and unscored color panels, was applied right over the old walls. A quick remodeling job, an easy, inexpensive one.

YEAR-ROUND COMFORT—J-M Rock Wool in Ful-Thik "batts" for new houses—or "blown" into walls of existing homes—keeps rooms up to 15° cooler in hottest weather; makes them easy to heat in winter; cuts fuel bills up to 30%.

WOULD you like a new bathroom—a modern kitchen . . . an extra room in the basement or attic . . . a fireproof roof and sidewalls that will never wear out? Would you like to insulate for year-round comfort? You'll get a wealth of help from the ideas and pictures in J-M's free book, "101 Practical Suggestions for Home Improvements." Tells also how to finance home improvements on convenient monthly payments under the terms of the J-M Million-Dollar-to-Lend Plan. For your FREE copy, mail the coupon.

JOHNS-MANVILLE

BUILDING MATERIALS

SEND FOR THIS FREE "101 IDEA BOOK"!

Johns-Manville, Dept. AH-6, 22 East 40th Street, N. Y. C.

I am planning to remodel my home. Send me the new 1937 "101 Book," FREE ☐. I am especially interested in Home Insulation ☐. Insulating Boards for extra rooms ☐. An Asbestos Shingle roof ☐. Cedargrain Asbestos Siding Shingles ☐.

Name_____

Address_____

A MASLAND Bedroom Rug

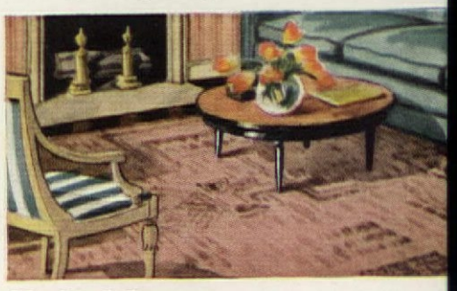
will work color magic in your bedroom

Top: *Super-Textura (Pattern 0116-M)* Center: *Hill-n-Dale (Foam Green)* Bottom: *Mossgrain (Pattern 34)*

(and at such low cost!)

Just as the right color will make *you* look prettier, a Masland Bedroom Rug will give your entire bedroom a color tonic. That's because Masland Bedroom Rugs are made *especially for* bedrooms. In bedroom colors—fresh pastels, jewel tones, delicate off-shades. You're sure to find exactly the color that will give your bedroom new sparkle. In simple designs and textured effects—they go with all types of bedroom furniture. In bedroom sizes. At bedroom prices. Sold by leading stores. C. H. Masland & Sons, Inc., Carlisle, Pa., Philadelphia, Pa.

Masland Also Makes Fine Quality Rugs for Other Rooms



Masland Argonnes . . . known as "the rug children *won't* wear out." Perfect for much-use living and dining rooms. Attractive period an modern patterns. Moderately priced.

Masland Wiltons . . . famous for their rich an subtle colors. Three fine qualities, styled wit authority and distinction. Custom-loomed in size tailored to fit all rooms, large or small.

W. & J. Sloane, Selling Agents Division
295 Fifth Avenue, New York City

I'd like to have you send me, without charge, the folder with color illustrations telling me more about Masland Rugs.

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this room a cheerful and bright atmosphere the typical hospitable appearance of a ranch house.

Soft shades of maroon, dubonnet, and rose are harmonized in the dining room to add another bright spot to this attractive ranch house. The dining table is Duncan Phyfe, and the Sheraton chairs are upholstered in needlepoint. A twelve-foot observation window gives a delightful view of the back terrace. In one corner of the green and white kitchen is a white enameled breakfast room set, the chairs being done in green and white striped linen. Floor is covered with black and white squares of asphalt tile. All modern equipment for easy housekeeping is found in this room.

From the kitchen it is possible to step to another level down to the garage, which is enclosed by the light sliding overhead doors. Continuing downward, a circular stairway carpeted in red leads to the most unusual spot in the entire house, the rumpus room. This playroom is done in pine paneling and stone, and the floor is of the same black and white asphalt tile as the kitchen. A hundred-year-old wagon wheel with wired kerosene lamps is suspended from the ceiling by old hand-wrought trace chains. Odd lamps made of old kegs and barrels are placed on tables around this room, which runs the entire length of the dining and living rooms directly above. A large stone fireplace is at one corner of the rumpus room, and an attractive bookcase is opposite. A double door leads out to a flagstone terrace.

On the same floor with the recreation room is the furnace, which is itself, one of the best looking pieces of equipment in the whole house. The entire gas air-conditioned furnace is in one piece, which is bright green enamel. In this furnace room only is there any evidence of the heating and cooling transmitters in the house.

After again returning to the entrance hall on the first floor, by turning left you climb a few steps to the landing, where are located a bath and the first of the three bedrooms. The color scheme for

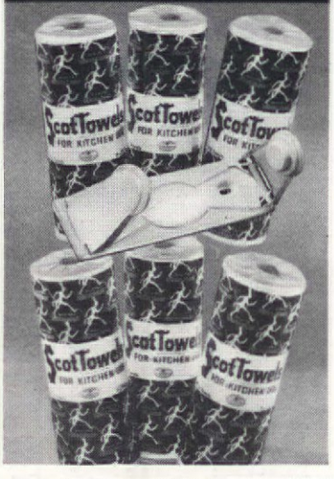
Rumpus room in the basement and, above, the living room

REACH FOR A SCOTTOWEL...

CLEANING SERVING DISHES DRAINING BACON WIPING PANS

A fresh, clean towel every time you need one

6 BIG ROLLS AND METAL HOLDER $1



USE these neat white tissue towels for those messy kitchen tasks that soil so many good linen towels . . . that put grimy stains on dishcloths.

You'll find ScotTowels grand for polishing glasses and mirrors . . . draining lettuce . . . drying fish . . . wiping off the stove . . . cleaning ash trays.

Be sure you get *genuine* ScotTowels with the thirsty-fibre man on the wrapper. One ScotTowel will do the work of two ordinary paper towels, for there are 2 to 3 ounces *more paper* in a roll of ScotTowels. You can buy ScotTowels at grocery, drug and department stores, 2 big rolls for 25¢. Or mail coupon.

(This offer applies only to the U.S. and its insular possessions)

SEND FOR 3 MONTHS' SUPPLY

MAIL THIS COUPON Scott Paper Co. Chester, Pa.

If your dealer does not sell ScotTowels, send us 50¢ (money or stamps) and you will receive postage paid:

2 ROLLS OF SCOTTOWELS AND 1 ENAMELED FIXTURE
or SEND $1 FOR 6 ROLLS AND 1 FIXTURE

Check color of fixture desired: ☐ ivory ☐ pale green

Name_____

Address_____

Dealer's Name and Address_____ A-6-37

$1,000 in prizes see below

New kind of Mattress gives

TWO MORE HOURS' REST PER NIGHT!

QUILTED Surface Greatest Sleep Invention Since Inner-Spring Mattress

EIGHT HOURS of *restful* sleep are worth ten hours of *tossing about*, sleep authorities say. For sound sleep, the surface of your mattress should be smooth, even —*quilted*, not tufted. That's why the Palmer Quilted Mattress will actually give you *two more hours' rest every night*. Covered with beautiful comforts in paisley design, the satin-smooth surface is free from hard, dust-gathering tufts. Enclosed by the four luxurious comforts is a 100% free-action innerspring coil unit. See it at department, furniture and home furnishing stores—with box springs to match. The Palmer Brothers Company, 230 Fifth Ave., New York City. Makers of the famous Palmer Comfortables.

$1,000 IN CASH PRIZES

Easy to Win

FIRST PRIZE—$500
SECOND PRIZE—$100
60 OTHER CASH PRIZES

HERE'S a chance to win a big cash prize and, at the same time, learn how you can enjoy two extra hours of rest every night. Simply write a 50-word statement on "Why I'd Like to Own a Palmer Quilted Mattress." Your nearest Palmer dealer will help you win one of these prizes and give you an entry blank. Nothing to buy. Go to him today!

DEALERS! Write for details on how you can share in $1,000 in dealer prizes.

PALMER *Quilted* MATTRESS

this room is yellow, and the furniture is of knotted pine. The same type observation window gives this bedroom a bright and airy effect.

By stepping to another level you reach two more bedrooms, one decorated with dainty pink dogwood wallpaper and maple furniture, while the other is papered in green and furnished with maple tester beds. On this level are two large linen closets, and a bath. Leading from the hallway on this floor is a door which opens onto the balcony overlooking the front yard.

Many years ago it used to be a habit of the people in Atlanta to stop their automobiles and gaze at the newly built castles and very expensive homes. Now it is a smaller home like this ranch house that causes a sensation. Mr. Wagstaff has had numerous opportunities to sell his attractive home, and it is already being duplicated in Highlands, N. C., a popular summer resort. Just recently a group of people from New York, bound for Miami via the coastal highway, came two hundred miles out of their way to see this fascinating ranch house, which they'd heard about from a recent and very enthusiastic visitor to this city.

Modern brides do not delay weddings!

[*Continued from page 43*]

that the dignity of the old-timer suggested furnishing her entire house in antiques. The armchair by the fireplace was rebuilt and padded to be most comfortable. This purchase required unlimited bargaining, but that is what makes a piece prized in the eyes of a collector. Mr. Clark good naturedly questions the economical saving connected with this one acquisition, that is if shoe leather is to be counted at all. The price was to include refinishing, rebuilding, and upholstering. It was a deep seated chair of unusual comfort and the only one Mrs. Clark had found like it, but it took fifteen trips before the transaction was put over to the satisfaction of both parties concerned. The Hagerup Marine above the fireplace, and very beautiful it is too, was another wedding gift. The old brass andirons are French but fit in well with the carved design of Victorian furniture.

A motor trip to San Jose yielded the beautiful old lyre pedestal mahogany card table, which stands below an old Florentine mirror. There is always a silver lining to every cloud and, though the delay of a blowout along the way was aggravating to the man at the wheel, it gave Mrs. Clark the opportunity, while in telephoning the nearest garage, to cast an appraising eye toward the friendly farm woman's parlor. One look was enough. There was this handsome lyre table looking somewhat lost among an array of Sears Roebuck's latest products. In no time the tire was changed and the Clarks were again on their way, but more important, the coveted table was holding down the rumble seat. It had to be refinished, but a little old man off the beaten track of antique dealers does Mrs. Clark's work painstakingly at a small cost. The Florentine mirror was one which Miss Mullen and Mrs. Clark found while bargaining for gold bronze candelabra with wood polished prisms. By taking both, the price of each was at bargain level. The old Ruby glass candy jars complete the set-up, entirely restoring once more the dignity of the fine old table. The lounge chair at the left of the table is an old one rebuilt and recovered in diagonal weave, beige and white chenille.

At this point the Clark living room began to take on real home atmosphere. Only one thing more was necessary and that was

YOU PLAN A BALANCED DIET . .

should the family take AIR as it comes?

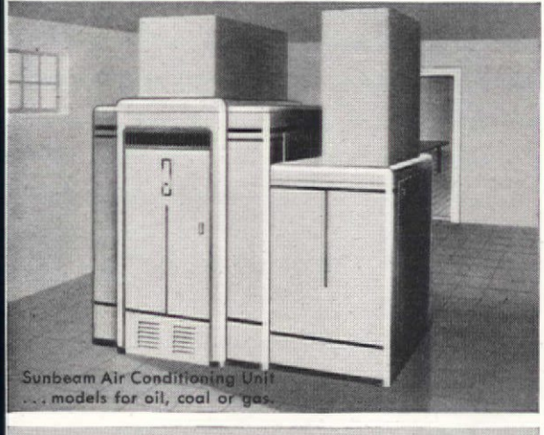
HEALTHFULLY CONDITIONED AIR

is as essential as pure food

If you're like most housewives, you've often thought: "We should do something about the air in our home." Purity, cleanliness, healthfulness and freshness are just as necessary in AIR as they are in food.

Today, you can do something about the air you breathe . . . with SUNBEAM Air Conditioning. In your present home or a new one you are planning to build, you can have an ideal health-giving climate, and save on your fuel bills at the same time. You will have automatic heating. The SUNBEAM unit filters out the dust, germs and pollen. It maintains the proper humidity while its blower-fan is gently circulating clean, pure air into every room.

In summer, the blower forces cool night air throughout the house. Mechanical cooling can be installed, if you desire. Valuable space is saved by small, inconspicuous grilles in wall or baseboard. For homes, large and small; old and new; for the burning of oil, gas or coal, SUNBEAM Air Conditioning meets every need. And *you* can afford to have it! Send for literature.



Sunbeam Air Conditioning Unit . . . models for oil, coal or gas.

SUNBEAM
AIR CONDITIONING

DELIVERS CLEAN FILTERED AIR
HUMIDIFIED AIR . . . CIRCULATING AIR
HEALTHFUL VENTILATION
HEATS IN WINTER . . . COOLS IN SUMMER

THE FOX FURNACE COMPANY, Elyria, Ohio.
Please send me literature on SUNBEAM Air Conditioning for

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AH-6-37

THE FOX FURNACE COMPANY, ELYRIA, OHIO

Division of American Radiator & Standard Sanitary Corporation

P.S. THE PARTY WAS A RIOT!

"PUT THAT GUN AWAY," PLEADS MR. THOMAS, AS HE SPOTS MRS. T. GOING AFTER FLIES.

"WHY GET THE HOUSE SMELLING OF FLY SPRAY WHEN WE HAVE GUESTS COMING?," HE RAVES ON.

"HUSH YOUR CHATTER, AND SNIFF", MRS. T. RESPONDS, "IT'S TIME YOU LEARNED ABOUT GULFSPRAY!"

MRS. T. PLIES THE GULFSPRAYER. SOON ALL THE FLIES ARE DEAD, AND THE ROOM SMELLS AS CLEAN AS IT DID BEFORE.

"GREAT STUFF, THIS GULFSPRAY," MR. T. ADMITS. "BY GOLLY, IT'S ONE SPRAY THAT REALLY KILLS AND YET IS PLEASANT TO USE."

GULFSPRAY KILLS FLIES AND ALL INSECTS FASTER AND SURER BECAUSE IT CONTAINS MORE PYRETHRINS. GOES FARTHER. STAINS NOTHING. AND HARMS ONLY BUGS. AT STORES AND GULF DEALERS.

GULFSPRAY QUART, 69¢ NEW LOW PRICES 39¢ PINT

GULF PETROLEUM SPECIALTIES, PITTSBURGH, PA.

another comfortable chair. By this time Mrs. Clark had learned many of the tricks of the collector. Not only was she perfectly at home in the back rooms of side street secondhand shops, bargaining with shrewd shopkeepers, but she had learned the art of trading and swapping. Each collector invariably finds herself loaded down with some one certain thing. Early American pressed glass was Mrs. Clark's failing. It so happened that several friends of hers were also trying their hands at furnishing their new homes in antiques also. One of them had the chair, seen at the right of the lyre table. She acknowledged openly she had no need for the chair but had not been able to resist its simple, graceful lines. This particular friend was only getting around to collecting accessories. She had no pressed glass. Over the bridge table a night or two later, while the husbands discussed prosaic stock market quotations, the two girls came to a mutually agreeable trade, with Mrs. Clark parting with two of her choicest pieces of pressed glass in return for the old chair which she promptly had recovered in blue velvet.

With the discovery of another small table, hanging by its neck in a neighbor's garage, Mrs. Clark not only relieved her friend of excess baggage, but furnished an end table to the lounge chair.

Corners are important in this little house. A mahogany whatnot, seen at top of page 42, is just the thing to hold some of the many old pieces of bric-a-brac. On the top shelf Mrs. Clark uses an early Victorian blue glass vase with fluted top, filled with ivy. The next shelf holds a part of her collection of rare million-flower paper weights. A cottage vase, one of a pair, graces the next shelf. The beautifully carved straight chair hides an old English brass teakettle on the lower shelf.

Mrs. Clark has collected pressed glass not merely to set up in a cupboard to look at now and then, but with an idea of finding a modern use for her treasures. On the table, in the same picture you see how adaptable a footed Sandwich glass sauce dish and a pressed glass honey dish are as cigarette accessories. Glass cup plates are used as ash trays on the lyre table, while a blue pressed glass hat and sauce dish serve the smoker's needs on the table by the sofa in the illustration at the bottom of this page.

The dining room continues the blue and wood rose color scheme dictated by the Oriental rugs in the living room by using a soft plain blue rug and linen draperies combining the two colors on a cream background. As an accent note Mrs. Clark decorates her wall shelf with fine examples of vaseline pressed glass, while the handsome old commode (top left page 42) holds an amber pressed glass bowl filled with fruit and colorful gourds.

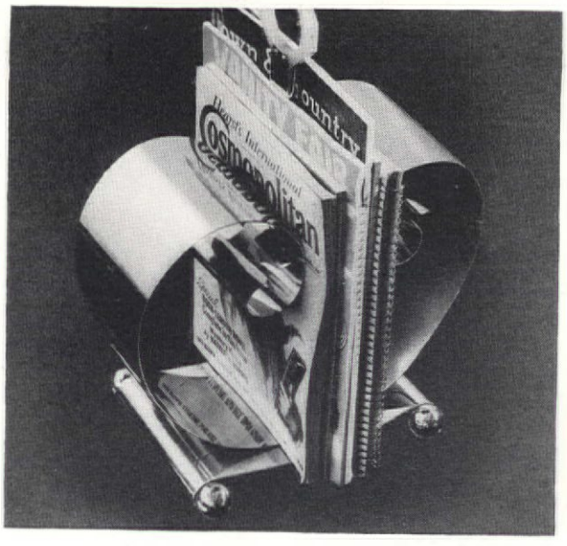
The Warsaw candelabra on the Lazy Susan, seen beside commode was broken in several pieces and tarnished almost black when Mrs. Clark found it in a junk pile. A silver wash was removed in buffing, leaving a clear-cut hand chased design in satin brass. Collector that she is, Mrs. Clark will from now on be watching always for the mate to this candlestick. The one alone is handsome, but the pair we must admit would be perfectly stunning.

The guest room in the Clark house, shortly before they came along, had been paneled in knotty pine and modernized with bunk beds. However, organdy ruffled curtains, candlewick bedspread, a braided rug, an old table, and maple chairs show the family resemblance of this room to the rest of the little house. No chance for this young modern room to deny its heritage while gracing with the old pressed glass lamp which one day must surely have

Gifts FOR THE BRIDE

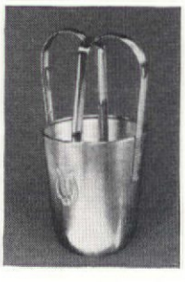
★

The ideal gift combines three qualities . . . it is beautiful, it is useful, it is lasting. Revere Giftwares, executed in solid copper or brass last a lifetime. And they are so charmingly useful you will want to present a duplicate to yourself.



MAGAZINE HOLDER. The expanding spring-scrolls hold all the current issues neatly in easy reach and sight. Slip one magazine out, and the spring action holds the others in place. Polished chromium with solid ball feet. 17½" high, 11½" long, 8" wide. No. 303 has chromium handle; No. 300, Red Catalin handle; No. 301, Blue Catalin handle . . . all $7.50 each. The same idea has been carried out in Revere expanding scroll book ends in a variety of designs. Prices range from $1 to $3.50.

LA FLEUR POTS. Many plants thrive better if potted directly in copper. These smartly modern pots can also be used as containers for standard size clay pots or as vases for cut flowers. Made in four sizes, 3½" to 6" high; in both copper and brass, plain or with decoration. Prices range from 75c to $2.25.



CLARIDGE ICE BUCKET. Ideal for that purpose; also offers the graceful way to cool and serve splits of wine or other beverages. Bucket is solid brass with satin chromium finish. Handle and tongs solid bronze. Depression in handle holds tongs. Bucket 12" high, 5¾" diameter. Tongs 8 1/16" long. The complete set, No. 725, $4.

BUILD FOR THE FUTURE

The first copper rolled by Paul Revere was for the dome of the State House in Boston. Today this same lasting protection is available for even the modest home. Sheet copper for roofs, flashings, gutters, downspouts, termite control. Copper water tube or brass pipe for hot and cold water and heating lines. Herculoy or copper for hot water tanks. All made by Revere. The additional cost for rust-proofing with copper and brass is small—the added investment value large.

IF Paul Revere had not made the "Midnight Ride," he still would have had his place in history. His work as a silversmith and engraver would be better known today if the other achievements of his career had not been overshadowed by that famous ride. In their design, materials and workmanship, Revere Giftwares are in keeping with the high traditions handed down by the founder. New Revere Gifts are introduced every month and shown by leading gift shops throughout the country. If you would like a beautifully illustrated catalog of these distinctive creations, send us your name and address together with that of your favorite gift or department store.

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Dealer's name.....

☐ Please send your new 32-page booklet on Revere Copper and Brass for home building.

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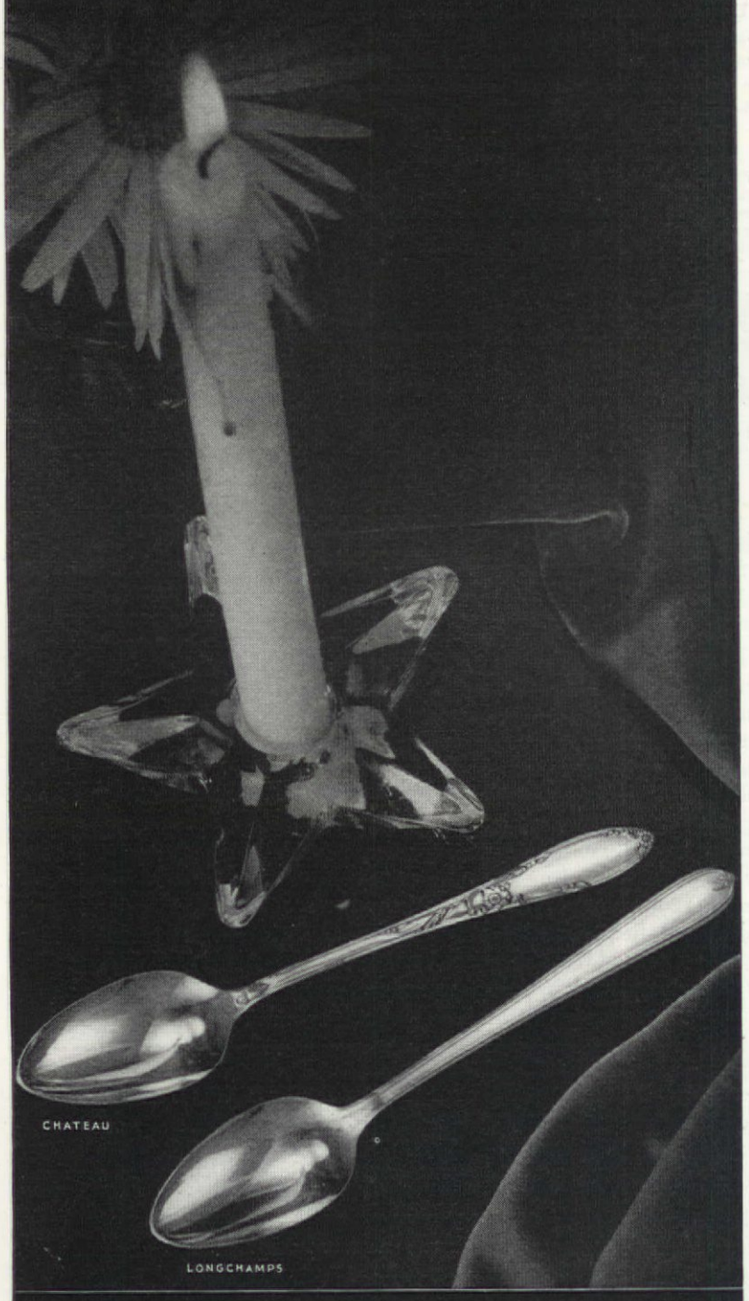
HERALDING *bright years*

May every plan for your future remain as bright and undimmed as your service of Heirloom Plate—a symbol of lasting happiness through the years. CHATEAU is rich with the traditional lilies of the bride. LONGCHAMPS is serenely, superbly severe. And the price? That's good tidings, too. . . Services start at $30.00 . . . . teaspoons are $3.50 a set.



Heirloom Plate

SILVERWARE CREATED FOR THOSE WHO SEEK THE FINEST · ·

© 1937 Oneida Ltd. Mfrs.

perched in a wall bracket right above grandfather's reading chair.

Whatever discipline was necessary in handling the wayward modern bedroom, the kitchen was amenable to reason. Of course, it had a few up-to-date ideas but they were purely utilitarian in motive, and excusable. When it came to decoration, the kitchen was dressed up in blue and white plaid gingham and welcomed an old walnut table and spindle-backed chairs along with grandmother's old maple rocker. Whether it is late afternoon, with the kettle humming a teatime tune, or dinner hour, with the little old clock on the wall-shelf marking off minutes until the return of the head of the house, the kitchen is a cheery spot, the very pulse of a genteel, kindly, and very hospitable little house.

A "little touched"

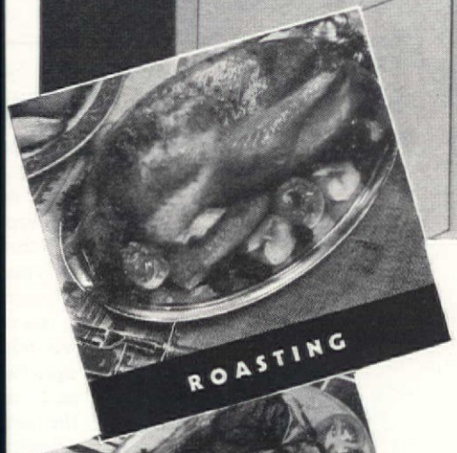
[*Continued from page 38*]

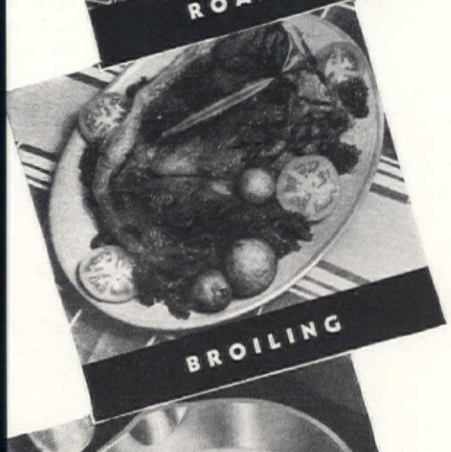
Shelves and cupboards under the windows were built in the library. The writing room and playroom being directly above the coal bin were floored in short oak. Both bath and lavatory were given new walls and ceilings of tile embossed wall-board; the bathroom door was changed to permit the placing of a radiator. Chair rails were put up in kitchen and service entrance, clothes poles and shelves in all closets. A linen closet was built into the dead end of the upstairs hall, and a clothes closet in the tiny bedroom above the kitchen. Stove pipe holes were plugged up. Covers were built for living room and dining room radiators. The plate glass mirror and golden oak top of the tall fireplace were pulled down, the black iron shield and cannel coal grate taken out, the interior enlarged to permit the placing of andirons and small logs. In the basement, the rickety wooden partitions were taken down and used in building a capacious coal bin. Basement floor is of concrete.

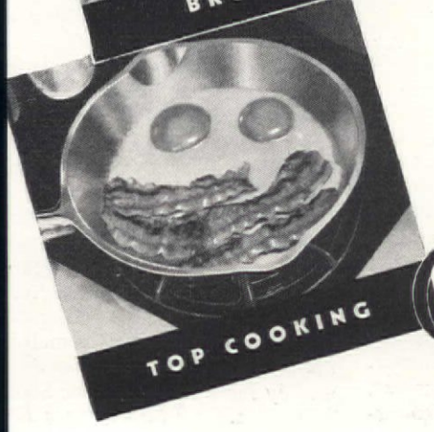
For plumbing and fixtures, $450. (This figure does not include the kitchen sink which we already possessed.) The plumber first strengthened weak spots, insulating all pipes known to freeze. Hot water pipes were wrapped. A recess tub and shower with taffeta shower curtain, square washstand and white seat for the upstairs bath (the tank and toilet bowl after being cleaned with muriatic acid were found to be in perfect condition) cost only seventy dollars. (Needless to say we "shopped" for these items and bought the least expensive on the market.) In the new lavatory we used the old marble washstand from the downstairs bath (it needed only to have the cracked bowl replaced at a cost of three dollars) and the old toilet bowl and tank with a new white seat. A pair of stone laundry tubs were installed in the basement, together with the largest size quick recovery storage gas water heater, and an oversize hand operated water softener.

For electrical work and fixtures, $150. In collaboration with the city engineer, the electrician first eliminated fire hazards from the wiring. Then he tore out all light fixtures inside and out. In each of the closets, he placed a simple drop light. Each of the living rooms was given four outlets for lamps; each of the bedrooms, three. In the kitchen and baths permanent fixtures of the dollar store variety were installed. The lights and lanterns on the various porches were principally discontinued models picked up for several songs. Only in the library did we show real ex

[*Please turn to page 128*]







SMART — NEW BUSINESS-LIKE COOKERY

Co-operating with today's "better-standard-of-living-movement," Glenwood comes out with a new Gas range that will provide the indispensable "three square meals a day," easier and better.

Glenwood engineers have contributed new and ingenious inventions. Live, re-circulating heat provides the most uniform baking possible to obtain. Thick, insulated walls keep the heat in the oven and out of the kitchen. Faster broiling insures a juicier, more nutritious steak.

Set the oven heat control dial and your baking is taken care of AUTOMATICALLY. Turn on the Gas and the new "Dual-Thrift" burners light AUTOMATICALLY, too. Amazing? Yes! It's why, today, the great majority prefer to cook with a modern Gas range. Styled in the new "clean-line" manner to make your kitchen more attractive. The new De-Luxe Glenwood is available in several models with four or six top burners.

LOOK FOR THE "DUAL-THRIFT" BURNER

This new burner saves in every way. Bring your cooking to "boil," turn the burner down to "click" and the tiny simmer-center flame furnishes the exact heat to finish the cooking—none is wasted—no valuable food vitamins are boiled away—no exasperating "boil-overs"—no scorched utensils.

Send for this interesting and instructive booklet. It's yours for the asking.

GLENWOOD RANGE COMPANY
Dept. 32-C — Taunton, Mass.

Send me your booklet, "What To Look For When Buying a New Range," and tell me where I may see the new Glenwood Gas Ranges.

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Advanced Glenwood GAS RANGES

"There's nothing like GAS for cooking"

with

JANITROL

WINTER AIR CONDITIONING

● When spring brings fulfillment . . . and building or remodeling is in the air . . . remember that half of life is winter life. Plan to have spring vigor, health and carefree comfort in your home during winter, too. A Janitrol Winter Air Conditioner will gently circulate warm, clean, humidified air at a comfortable, even temperature through every room all winter long, under fully automatic control. Gas...and gas alone...brings you such completely automatic service. And Janitrol's exclusive features bring you many advantages that you will find in no other equipment. See your Gas Company. Write for interesting booklet. Surface Combustion Corporation, Toledo.

Janitrol

GAS-FIRED WINTER AIR CONDITIONERS

Swimming in an Idaho back yard

[*Continued from page 22*]

yearly claims its toll of lives as do others of its kind all over this country. Furthermore, the water is contaminated and wholly unfit for swimming. As all the neighborhood youngsters were forbidden to go near this canal and other deep ditches, we soon realized that some water attraction must be provided to keep our children contented at home.

The site of our first swimming pool was a hole filled with irrigation water, at the rear of our acreage. In the early summer of our first year in our suburban location, the children used this mud hole for a swimming hole. Some of them actually learned to swim there! Its popularity quickly spread via the neighborhood grapevine system and soon the water became the consistency of chocolate syrup. Then we decided something must be done about that swimming hole. The price of hauling and filling it with dirt was prohibitive. We discussed with a contractor the possibility of a cement pool and at a cost of about $175, our plans for a cement pool materialized. Its dimensions are fifteen feet by twenty-seven feet, five and one-half feet deep at one end and three and a half feet at the other. One-inch screw eyes were set in the cement and knotted for safety purposes. It is filled with city water from the garden hose at a cost of $1.62 plus the cost of two quarts of Clorox. One quart is used for cleaning the pool before filling; the other added after filling to control the moss growth that is natural in water. The water is tested for chlorine by taking a test tube full of water from the pool and adding a few drops of orthotolidin. If this creates an amber color, there is sufficient chlorine in the water to insure against common infections. Clorox must be added occasionally in proportion to the amount of use the pool gets, but the water is safe if it reacts to the orthotolidin test. The pool drainage is provided by a pipe out to an irrigation drainage ditch.

A boardwalk at a cost of three cents a running foot, was a fortunate "find" when a lumber camp town near by was being dismantled. This walk was made of 2x6 planks laid on 4x4 timbers. It was a distinct improvement, leading from the house to and around the pool. The basement of the house is the dressing room for the girls. The boys use either the garage or the tent which is pitched under the trees during the summer.

By the end of the first summer, every youngster in the neighborhood had learned to swim. They taught each other in a quick and capable manner, with results that would be the envy of many a salaried instructor. Then a diving board was added. There were no "timid souls" in this gang and the challenge of a rival gangster soon developed the "belly floppers" into divers of real grace. Now after three summers, there is not one of them who cannot find a pin on the bottom of the pool. There have been no accidents and no illnesses. Not even a common cold has resulted from this healthful sport.

Though our hens won't lay and our only sure crop is dandelions we are rearing sturdy children brown as Indians, and excellent swimmers. When we were cruising on Puget Sound last summer and saw them dive from the side of the boat and swim with all the skill and assurance of seasoned aquatic stars, we knew our swimming pool had been a good investment. Try it in your own back yard!

Guest room not paying its way?

[*Continued from page 35*]

purpose very satisfactorily. No extra hanging space need be provided for the guest, for when the bed is made up in the room, the closet will be used for clothes.

As a sewing room this will be your workroom with your equipment all conveniently at hand and no necessity of putting away your work with every interruption. When you turn the sewing room into a guest room, the bed will be made up in the room and the work table and sewing machine will be made a part of the furnishings.

One hour a week enough

[*Continued from page 31*]

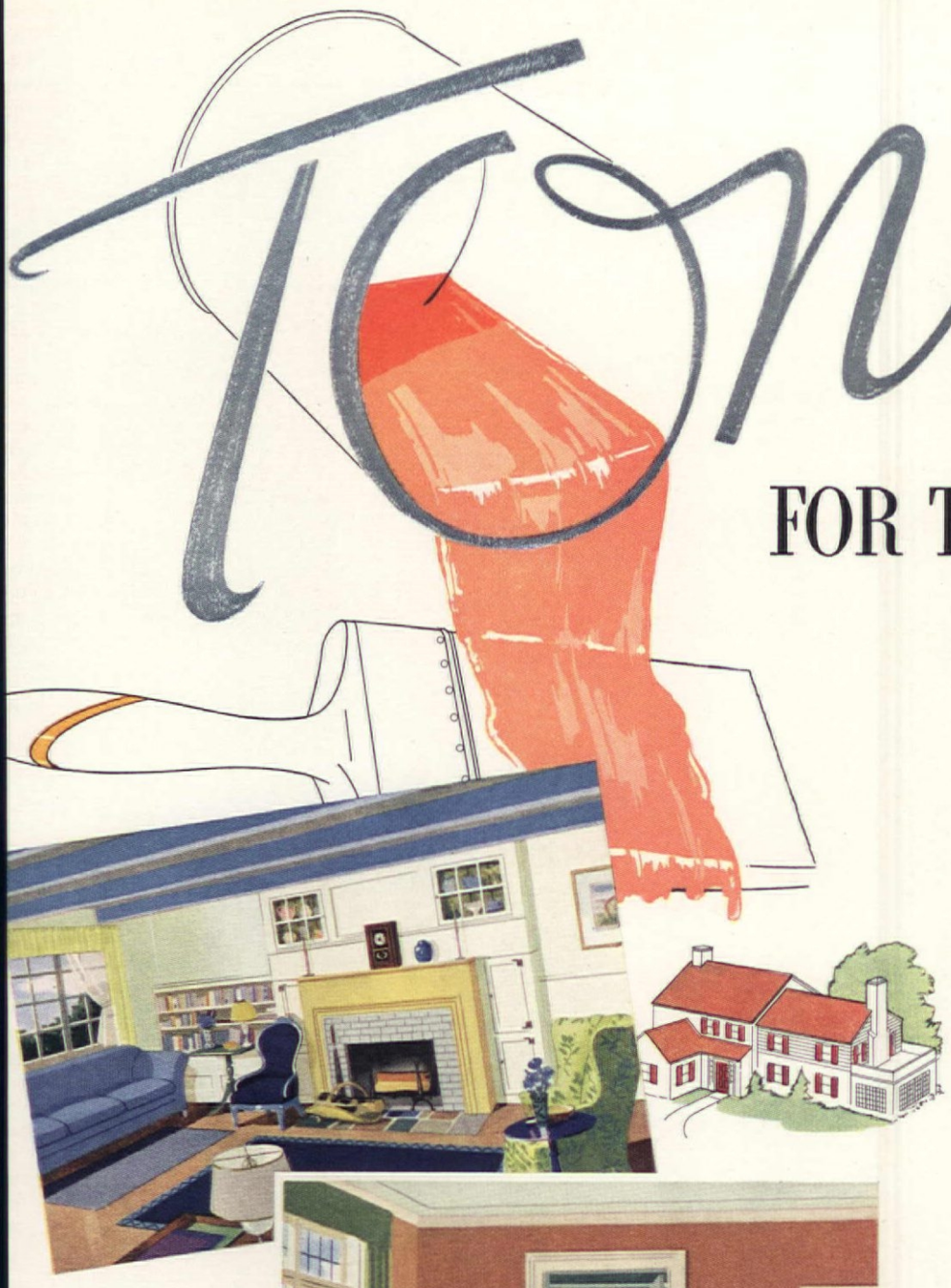
on the leaves and start new disease spots or else rot into the ground and cause trouble next year. (By the way, speaking of Botrytis blight, prevent it on tulips either by digging your bulbs as soon as the foliage is yellow or by cutting off the faded leaves at or below ground level.)

This stunted, dwarfed peony plant (see page 31) probably is afflicted with nematodes, which are microscopic eelworms. It will not pay to try to keep the plant and I shall dig it up now so I can show you the many swellings or galls on the roots. This nematode disease (called root-knot) is usually more serious in the South

[*Please turn to page 128*]

Tonic

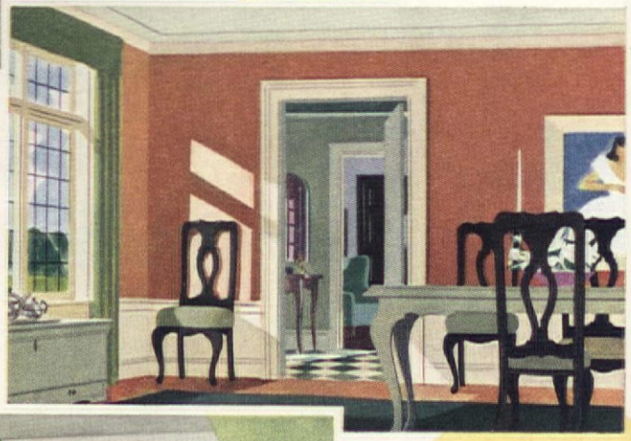
FOR TIRED HOMES



bove)—A roomy, restful impression created by painting the ceiling of s living room with Ultramarine Blue ullhide Toner, lightened to a Royal ue Shade by adding White; Beams ined Silver Gray, followed with a t of Pitcairn Flat Varnish. Walls of hite or "off" White, obtained by ding a small amount of Gray or Ivory.

ght)—In this attractive dining room ize Tan Wallhide, tinted to a Cork de by the addition of Venetian Red ullhide Toner is used on the walls and wn Gray Wallhide on the ceiling.

r. 1937 Pittsburgh Plate Glass Co.



Cheery, colorful new rooms are yours in one day—through this amazing paint discovery

(*Left*)—Sea Foam Green Wallhide walls and Mist Gray Wallhide ceiling make a cool, refreshing color contrast for this attractive bedroom. The dressing table and built-in cabinet are finished with pure White Waterspar Enamel.

COLOR—lots of it—is the best prescription in the world for a run-down house. Vivid hues and contrasting shades—applied inside and outside—put new life and interest into every nook and corner. Brighten the walls and ceilings, refinish floors and trim, do over the furniture in gay tones—and your rooms will be young again, charming and attractive!

With quick-drying Pittsburgh Paints you can rejuvenate your home *in a single day.* Here's what to do:

A Bit of Pink

If you're very feminine and like to feel fragile, consider the new trend towards dusky pinks. All shades from pale to startling red—and several of them in one room. Combine them with grays, and put them in boudoirs and baths. It's very orchidaceous—and, very simple, indeed.

For a Girl's Room

Another idea is to sleep on a cloud, as the world's foremost decorator suggests. For this you need only the colors of the sky. The brilliant blue of a summer day—put that on the floor. On the walls use the softer blue at the edge of the horizon. Lighten it as you go up—and have the white of the clouds for your ceiling. Of course your furniture should be painted gray or white, and the drapes must hold the same spirit.

Let Yourself Go

Everywhere decorators are doing new and daring things with color. Everywhere homes are taking on new life. It is the spirit of the times. And it's not expensive. You can pay for painting out of income if you wish. Just see the nearest Pittsburgh dealer (listed in your classified 'phone directory). Ask him to give you Wallhide for walls and ceilings; Waterspar Varnish for floors and trim; Waterspar Enamel for woodwork and furniture; Florhide for painted floors. Outside use Sun-Proof. And for advice about decorating problems, address: Studio of Creative Design, Pittsburgh Plate Glass Company, Paint Division, Pittsburgh, Pa.

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My furniture dealer is_____

Do you paint—or just "dabble?"

Continued from page 35

nches higher than it is now. The irst step was to modernize by utting both head and foot boards welve inches. Next, the head and oot boards could be either upholtered or painted. This particular ed Mrs. Moore ordered upholtered. The color scheme of the oom in which the bed is used is rench blue and apricot. After the abinet man had remodeled the ed, Mr. Burke's first step in reainting was to wash the ivory namel surface with soap and vater to remove any grease film. Next, he sandpapered the entire urface before applying the first oat of undercoat. The bed was ainted French blue and trimmed ith apricot. The blue was to natch exactly blue glazed chintz hich was to be used to upholster he head and foot boards and for bedspread, as planned by an nterior decorator in the Martinon Hemert studio.

After the first unercoat dried, Mr. urke puttied up ny nicks that then owed up. Next ame the second ndercoat sandapering, and then e last undercoat. sually it is wise give a piece of rniture three unercoats, letting it and overnight beveen each coat, with sandpapering between each coat. Mr. Burke uses a fine sandpaper, either No. 4-0 or No. 5-0. The use of the sandpaper is to remove brush lines or bubbles. The final sandpapering before applying the enamel is with a still finer sandpaper, No. 6-0. This is merely to polish the surface. The last coat is of high-grade furniture enamel. This coat in order to be successful must stand twenty-four hours to dry thoroughly.

If you want the piece of furniture antiqued, which is probable, as that gives a much more professional appearance, take two parts of turpentine and one part boiled linseed oil, and color it with raw umber, which you buy in a tube at a paint store. You apply this mixture with a soft-haired brush over the entire surface of the bed and let it stand about five minutes. Then, with a soft cloth, wipe it off, working from the center of a panel outward, removing as much of the antique glaze as you wish. Generally speaking, the center of a panel will be wiped off more than

F. R. Dapprich

The outside of an outmoded adio cabinet was refinished n antique ivory, the interior as painted jade green, a helf was added—and the ransformation became a andy little home bar

GERTRUDE NIESEN LIKES CLOSE HARMONY

Popular Radio and Screen Star Chooses Smart G-E Clocks to Decorate Her New Hollywood Home.

You've heard Gertrude Niesen over the radio! Or in "Top of the Town". In her new home you'll find this G-E clock—the "Haverhill"—a chime model of striped mahogany. . . . . $26.50.

• • •

There's close harmony between the appointments of Miss Niesen's dressing table, and the little silver G-E alarm clock that wakes her every morning. The "Geneva" (below) also in gunmetal grey or midnight blue glass. . . $5.95.

Radio programs are timed to the split second. That is why when rehearsing at home Miss Niesen depends on the G-E "Duncan". Blue or black Catalin, with gold ball feet. . . . . $3.95.

• • •

Reflecting the dignity of Miss Niesen's library is this always quiet, always accurate G-E clock. It's called "Brevet". . . . $7.95.

You naturally want your home furnishings to be smartly harmonious. G-E's wide variety of styles makes it easy to choose a clock for every setting. See them wherever good clocks are sold.

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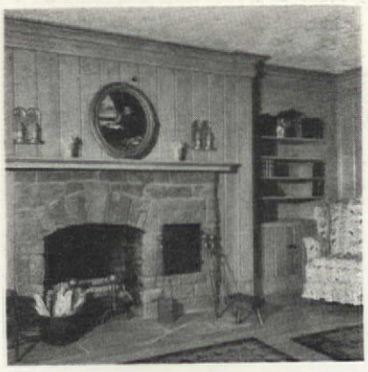

This simple Colonial pattern is appropriate to living and dining rooms, hallway or a hide-away book room.

And here's a modern, horizontal treatment in the living room of Southern Pine's famous house at the Dallas Exposition . . .

. . . with a glimpse of the vertical paneled bedroom beyond. This shows you too, the beautiful figure of Arkansas Soft Pine Paneling, with which these rooms are finished.

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along the sides. On turned legs, the heavier coat will be left in crevices, with the round, turned surfaces wiped cleaner. The next day, after using the antique glaze, add one coat of dull clear varnish to prevent the surface from unsightly marring.

There are several things to remember about the undercoats. In the first place, they should be near the color you want in the final coat, a shade lighter rather than darker. You may be able to buy mixed undercoat in a color you like, but that is not the usual case. Mr. Burke would correct the idea that there is anything difficult about mixing your own paint. His advice is to buy white undercoat paint and tint it. In the case of the French blue bed, he tinted white undercoat with ultramarine blue and a bit of chrome green medium. In other cases, he might have used chrome green light. The ultramarine blue and chrome green comes in tubes. The chrome green is added to bring out a richness in blue. Blue and white combined without a little green will give a gray blue.

In the case of Mrs. Moore's blue enameled bed, Mr. Burke was working to get the exact same French blue of the glazed chintz to be used as upholstery. He bought white undercoat and thinned it to brushing consistency. He warns that all paint, as it comes from the paint store, should be thinned. You thin undercoat by adding turpentine. Some paint requires more thinner than others. Add a half cup of turpentine usually to one quart of paint. Make a paddle out of a stick of kindling for mixing the turpentine into the paint. Stir well, then dip your brush in and try it on a clean board. Be certain the paint flows freely. To the thinned white undercoat, Mr. Burke added a little ultramarine blue, mixed the two well, then added a little chrome green. Over and over, he repeated this operation until his undercoat was only a shade or two lighter than the sample of blue glazed chintz. When it came to the final coat, he used white enamel, thinned it with turpentine as he had done with the undercoat, then colored it with the same ultramarine blue and chrome green until the enamel matched his chintz sample.

In painting, Mr. Burke advises to paint with the grain of the wood, then in the opposite direction, and finish off with your stroke following the wood grain. The brushes to be used are important. For the average piece of furniture, you need at least three brushes, one large and two small. Pay from $1.50 to $2 for a two-and-a-half or three-inch brush for painting large surfaces, fifty cents for a small one inch brush, and about forty cents for a half-inch brush with which to trim. (There may be variations in these prices in certain sections of the country.)

Since mixing paints holds such fear for the amateur, Mr. Burke gives a few simple rules for mixing the colors one is most apt to be using:

To mix peach, which was the trim used on Mrs. Moore's blue bed, add orange chrome, or yellow chrome medium, to white undercoat, or enamel.

To mix green, add green chrome medium to white paint, and add a little light yellow chrome to bring out the color.

To mix yellow, add yellow chrome to white.

To mix ivory, add French ochre, or raw sienna, to white. French ochre gives a yellow ivory; raw sienna a pinkish ivory. Mr. Burke favors French ochre.

Red is difficult to mix. It is better to buy ready mixed red undercoat and red enamel, then add white to it if it is stronger than you wish.

If you wish to spray rather than paint furniture, a spray gun may usually be rented by the day from a paint shop. To spray, you use lacquer thinned with turpentine. It usually requires three or four coats of lacquer, but the safest rule is to spray until a surface is well covered. In spraying your lacquer must be much thinner than when you paint with a brush. You may put on three coats in a day with a spray gun adding the last coat the next morning.

This gives definite instructions for painting over a painted surface. The second bed in the home of Mr. and Mrs. Moore is one on which the head and foot boards were again lowered, and this time painted instead of upholstered. The bed is antique ivory trimmed with jade green. The bedspread is light, gold-colored glazed chintz, welted in jade green—a beautiful combination.

Painting over a formerly painted surface, as in these two cases mentioned, is not so difficult as it is to paint over a walnut or mahogany stained piece of furniture. In the illustration on page 93, Mr. Burke shows what may be done with an old cabinet type radio. You see the old out moded radio in its walnut case. By removing the radio, the cabinet, which is made of excellent wood, may, by addition of a shelf and several coats of paint find itself serving as a very efficient little home bar. The outside of the cabinet is antique ivory. The inside is painted jade green which with the addition of white-and-red glassware accessories makes a most attractive and inexpensive piece of furniture, as well as a much more inviting background than the kitchen cupboard for the making

TIP TO SCREEN BUYERS!

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Bronze screening is so economical that it's folly to use the temporary, rusting kind. *Bronze* screen cloth is strong and firm, and it can never "rust away". But here's an *important warning*—light weight bronze screen cloth is occasionally offered. Make sure the bronze screening *you* buy is *standard weight!* Woven 16 meshes to the inch, it weighs 15 pounds per 100 square feet. Enjoy long, carefree service from your bronze screens! Booklet free.

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Makes his bristles
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and spry once more
Ready for your
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SAVABRUSH 10¢

of a friendly cocktail. A small rack may be added on the inside of the doors for holding other glasses and mixing spoon.

In painting a stained piece of furniture, the question arises as to whether the old varnish is checked. If not, you may paint over it. Add benzol to your first coat of white undercoat, one half cup of benzol to one quart undercoat. This loosens the varnish enough to bind the varnish and undercoat together. From here on, you proceed exactly as Mr. Burke described in painting Mrs. Moore's blue bed.

If you must remove the old varnish because of checking, use varnish remover, then wash the surface well with soap and water to be certain you have off all the old varnish. By using varnish remover and soap and water, you will have removed the wood filler. To add a filler again, buy paste wood filler at a paint shop and thin it with three parts gasoline and one part linseed oil. Apply this to the surface, then let it stand until nearly dry and rub it with a cloth, working against the grain always.

After the filler has dried, add one coat of white shellac that has been thinned with alcohol, one third alcohol and two thirds shellac. Let this stand an hour, sandpaper, and go ahead with your first coat of undercoat, then proceed as described in the repainting of the blue bed.

To paint over brown walnut stain is much simpler than over red mahogany stain. In the latter case, the aniline dye may bleed through your paint. Perhaps you may have experienced this disappointment after painting an old mahogany toilet seat. In the case of a red mahogany piece of furniture, Mr. Burke suggests it may be necessary to use two or three coats of shellac before putting on the first white undercoat.

Another kind of furniture refinishing, which should interest us all, is that of changing a walnut or mahogany piece to the popular maple finish, as shown on page 35. The little drop-leaf table was walnut, refinished to be maple. For this operation, first apply varnish remover with a brush. Be generous with the amount put on. You should apply one coat of remover after another before the previous one has had time to dry. When the varnish finally lets go, sponge it off with alcohol. Because any of the old varnish left on will retard drying of later coats of varnish, it is necessary to next wash the piece with a strong solution of soap and water. You then bleach the wood surface by using ordinary Purex, which is the household cleaner with which we are all familiar. As Purex will eat your paint brush, wear rubber gloves, flow it

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on and rub in with a soft cloth. Put it into the sun to dry and further bleach. This operation will remove all of the walnut or mahogany color. At the same time, you have again lost your grain filler, which must be put back in by adding paste wood filler. As described earlier, the paste wood filler must be thinned with three parts gasoline and one part linseed oil.

When the filler dries, you are ready to add your maple stain. To two parts of turpentine and one part boiled linseed oil, add burnt sienna, which is of a reddish tone. Apply this stain with a soft haired brush and let stand twelve hours. Next add one coat of shellac that has been thinned with half as much alcohol. Sandpaper with No. 5-0 after the shellac dries, then add two coats of dull finish varnish, sandpapering between coats.

Mahogany or walnut stains, which you may buy ready-mixed at a paint shop, may be added to your bleached piece of furniture if you prefer the dark finish instead of the maple.

Bar-top varnish may be added to tables to insure against mars and rings from glasses. This hard finish was given, of course, to the shelves in the small bar already described.

Surely with all of this explicit instruction, any and all of us have a busy season ahead giving the household furniture new make-up. How about canary yellow for the breakfast set, and blondine maple for the brunette walnut living room pieces? A new household background is as good for a woman's morale, so they say, as a new hat. But don't forget to wash out your paint brushes in coal oil or gasoline when you finish work. You're going to need them again! The writer is that sure of your painting success.

Casita . . . a back yard recreation room

[*Continued from page 33*]

bath in kerosene and water, then thatched on, just hit and miss. This, along with the moss and dull tones of rose, green, and blue stain, still left, give the roof a very quaint appearance.

The finish used on the knotty pine was found after much grief and experimenting. First a coat of white flat was applied and when dry rubbed down with steel wool. The stain used was a mixture of rotten stone, mineral spirits, a little linseed oil, and Japan drier. Care was taken to rub out all knots after each coat and to grain the wood after the stain was put on. A natural effect was obtained by brushing the board with long strokes from top to bottom with the same brush that was used to apply the stain. When thoroughly dry it was given a coat of floor wax and polished. The result was a finish both warm and old looking, toning in well with the ceiling and floor.

There are two five-foot bay windows on the south side of the room. These keep it warm even on cold days, if there is any sun at all. Then with the top of the door left open and the north windows swung wide, it can be kept cool on hot days in spite of a low roof.

The old chairs with the rawhide seats add more Mexican atmosphere, while the small chair by the door, bought for thirty cents at a second-hand store, has really regained its self respect with a coat of new varnish and a bright seat I wove from Mexican hemp. The pictures were painted by my sister and the rag rugs and cushions were made by my mother, while the wing chair, copper tray, and outside lantern were my own brain children, made at night school.

So far we have found many uses for Casita. The day-bed makes it possible to convert it into an extra bedroom if needed. As a playroom for the children and their little friends, it saves a great deal of housework. But best of all is its use as a place to entertain our friends informally.

When you live near the coast, you find that King Neptune is a very temperamental gentleman, and often what has started out to be a beautiful evening for a barbecue turns out to be rather a damp one when he suddenly starts blowing his foggy breath over your party. So with very little trouble you move into the little house where the meal is eaten in comfort. Then, too, with the aid of an electric percolator and chafing dish, it is a perfect spot for Sunday night suppers or tea.

I think perhaps I should have said in the very beginning, that building Casita was our first experience along those lines. Each step was worked out as we came to it, although there were mistakes and many things had to be done twice. We spent nearly a year building Casita, for there were many long waits in order to find some of the materials needed. Because it took so long we feel that our little house really wasn't built, but like Topsy, "just growed." By using lots of good advice from everyone, and doing all the labor ourselves, our recreation room cost us not quite sixty dollars.

Now, here is a word just for the lady of the house. Don't be afraid to get in and help. It's a great deal of fun, and dishes and dust do wait. I shingled the roof and was sorry when I finished; puttied the glass into the window frames and packed brick for the

IS IT WORTH RAISING?

Old-style windows are now as obsolete as cranking a car. For they can't help binding, sticking, rattling and loosening up. Cold drafts blow into the home, requiring extra fuel and imperiling family health. Dust filters through to run up cleaning expense. Snow and rain ruin draperies and wall coverings. Weights also jam on old-fashioned windows. Sash cords break. Constant repair bills are necessary.

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"Mrs. Knox was right about Lemon Chiffon Pie"

LEMON CHIFFON PIE
(One 9-in. Pie—uses only ¼ package)
1 envelope Knox Sparkling Gelatine
¼ cup cold water 4 eggs
1 cup sugar ½ cup lemon juice
½ teaspoonful salt
1 teaspoonful grated lemon rind

Add one-half cup sugar, lemon juice and salt to beaten egg yolks and cook over boiling water until of custard consistency. Pour cold water in bowl and sprinkle gelatine on top of water. Add to hot custard and stir until dissolved. Add grated lemon rind. Cool. When mixture begins to thicken, fold in stiffly beaten egg whites to which the other one-half cup sugar has been added. Fill baked pie shell or graham cracker crust and chill. Just before serving spread over pie a thin layer of whipped cream.

y, it's so light and delicious thou-
ls of families rave about it! Scores of
r recipes for pies, desserts, salads
candies—are yours free of charge.
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LL in six rich flavors. If you have not yet
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For range of subjects consult back numbers of this magazine commencing with March issue.
pair postpaid. Include 25c for additional
e west of the Mississippi.
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ONG ISLAND ENGRAVING CO.
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"skilled laborer." The painting was handed over to me gladly, as well as the waxing and polishing. Perhaps most important of all—it takes quarts of praise for each drop of perspiration shed by friend husband and buckets of encouraging salve for aching backs and skinned knuckles.

Do build a "little house" too, and I am sure you will get as much fun out of building it as in using the finished product. We have never regretted a minute of work that we put into it.

Where do you keep your magazines?

[*Continued from page 201*

for by some rigorously prompt friend to meet an engagement and you are minutes late; just seat the slightly exasperated subject by the magazine rack. In no time at all he will have pulled down a magazine and be deeply engrossed. In the meantime you can soothe your jagged nerves, calm in the knowledge that your caller isn't tearing his hair and thinking ugly thoughts about you. Somehow this rack has a kind of subtle allure for everyone.

The modern pine case in the entrance hall was literally built around the window. It holds all those monthly periodicals that boast no brilliant hued covers, no entrancing pictures, but are all brain and intellect. They contain articles on current history and economics so good that they must be read and reread several times. Especially do you appreciate the easy access to these periodicals when you have impulsively waded into an economic discussion at a dinner party and rashly quoted some author you have read, only to have found under pressure you were not quite sure just what the author did say. You rush to the cabinet upon returning home and, referring to the article, find you did rather well after all or that you had been completely muddled.

Even the guest bedroom was not overlooked in this problem of magazine storing. The shelf under the window is built to hold either books or magazines. The large drawers in the bed hold those well-known larger publications worth saving. Any guest in this room can amuse himself for hours until his lazy hostess arises or until the pangs of hunger are too great to be checked by any magazine no matter how good.

A Brittany plate rack placed above a bed and running parallel to it will take care of many a magazine. The gay covers against the dark walnut or oak will take the place of pictures with the advantage of frequent change of color and design. A Welsh dresser in the dining room

TRANSFORM YOUR OLD KITCHEN...

IS your kitchen just an *old sink's home?* Are you longing to be mistress of a lovely, modern work-saving kitchen?

Then start your modernizing program by retiring the battle-scarred sink. Replace it with this handsome sink-and-cabinet combination — topped off with silvery Monel. Just one easily-made change — but what a happy improvement you'll see in your kitchen's appearance — for only $124.50.*

That price includes everything but the faucet — a Whitehead Monel sink, five feet long with eight-inch backsplash, and a Whitehead steel cabinet with four drawers and two storage bins. A bargain in beauty and efficiency!

Matched equipment (as you probably know) is the newest idea in kitchen decoration. After your budget has taken care of the Whitehead Monel sink, you can start matching it with other Monel units. The leading range manufacturers are topping off their latest models with Monel. And in Monel-topped cabinets and work-tables there are scores of bright new models.

See the Nearest Whitehead Dealer

Whether you're planning to build a complete new kitchen or just pensioning off a veteran sink, the place to go is the nearest Whitehead Dealer. He offers 57 different models of Monel sinks — 42 different sizes of steel wall and base cabinets—to fit your kitchen as if made to order.

Leading plumbers and dealers are now selling Whitehead sinks and metal cabinets. If you do not find one in your neighborhood, use the coupon below. It will also bring you an interesting new booklet on kitchen planning.

*This price applies only to deliveries made east of the Rocky Mountains and does not include installation.

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METAL PRODUCTS CO. OF NEW YORK, INC.
304 Hudson Street New York, N. Y.
Manufacturers and distributors of Whitehead Monel sinks and tanks and Whitehead steel kitchen cabinets.

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☐ Send me name of the nearest Whitehead Dealer.
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*City*_____ *State*_____

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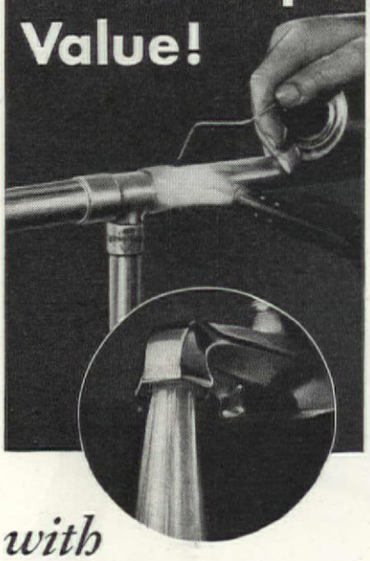

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ANACONDA COPPER TUBES

You pay very little more for an installation of non-rust Anaconda Copper Tubes and "Solder-Type" Fittings than you would for piping of rustable material.

And here is what this new, low cost water pipe will mean to you:

- **Freedom from all repair and replacement costs due to rust**
- **A "lifetime" of trouble-free service**
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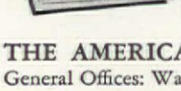
Why install piping that rusts and wastes money . . . when you can *save money* with Anaconda Copper Tubes and Fittings? Consult your plumbing contractor! His expert workmen know how to install copper tubes and fittings to give you the best service.

For heating lines, these low cost Anaconda Copper Tubes offer outstanding value—maximum durability, quicker circulation, reduced heat losses and greater all-around efficiency.



Here is a small, readable booklet containing 12 suggestions for building and remodeling that will bring important upkeep savings. Your copy will be mailed promptly.

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General Offices: Waterbury, Connecticut
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Anaconda Copper Tubes

can be used to hold both magazines and dishes, imparting a delightful informal atmosphere.

Why not try some of these places? Put a rack in your own bookcase. Until you are certain of the effect, experiment with just two of the lower shelves. You are sure to find them saucy and usually satisfying.

The pink of perfection

[*Continued from page 29*]

in diameter in the center of each flower—this is not difficult.

After drawing circles for the wreaths on the bedspread material, baste stems with ends of leaves beneath, then the flower patches with a piece of yellow material backing each open center. All edges are turned and felled down. Stem of vine forming border, undulates back and forth at about 10-inch intervals and starts from a single flower at each corner of the piece.

Of early origin also are the hand-loomed coverlets patterned with wool on a linen warp, such as are being today reproduced in many village industries. Although particularly desirable for use in boys' rooms and summer camps, they are usable on any simple bed in rooms which must be made to do double duty. Note bed at bottom of page 28.

More delicate spreads of this nature are done all in white, either altogether in linen or a combination of linen warp and mercerized cotton filling for the pattern. Edged with a hand-netted fringe they look exceedingly well on both mahogany and maple beds.

Knitted and crocheted coverlets are as popular today as they were with young homemakers of generations past, and our ingenious thread manufacturers are producing lustrous cottons of beautiful texture that make working with them a pleasure.

Block patterns are favored and new designs constantly being developed, but in knitting nothing seems to usurp the popularity of the repoussé "kitten's ear" or "mouse's ear" or "leaf" patterns, as they are variously called (shown at top of page 28). In crochet, "popcorn" or "puff" stitch is a leader (see bottom of page 29).

"Important that you have Kohler Fittings too!"

IT PAYS to insist on Kohler faucets, spouts, drains of chromium plate. Kohler fittings are in the modern manner — smartly simple, smartly straightforward. Proportions are true and tasteful, designed now and for years to come. Designed, too, to match the spirit and quality of Kohler fixtures.

Only best materials, high craftsmanship yield fittings of Kohler merit. All are cast in brass of high copper content. Valves have double threads for quick opening and closing with finger-tip pressure. Threads are cleanly and deeply turned, insuring long life. Waterways are cast large and all fittings are inspected at each step of manufacture. The surfaces are smoothly buffed before receiving the heavy coating of chromium which makes Kohler fittings lustrous and so easy to keep clean.

Consult Your Master Plumber

He knows good fittings and fixtures. Let him plan your Kohler bathroom. A 4-color booklet, "Planned Plumbing and Heating," is free on request. Write to Kohler Co. *Founded 1873.* Kohler, Wis.

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☐ I AM BUILDING A HOME
☐ I AM REMODELING

Name_____

Address_____

Demarest *Courtesy of Yama*

Gather ye petals while ye may

MARY B. THAYER

THE title isn't quoting the p exactly, but since any who is going to make a rose is interested in petals, not r buds, we may be excused for t ing liberties. "While ye may' good advice, however, as season for rose petals is compa tively short—our modern e blooming roses notwithstand

The most fragrant roses are old-fashioned ones: the pink c bage rose and the gallica ro which can be seen nodding to wayfarer along country l and by deserted houses, oblivi apparently, to the fact that hands which planted them h long since vanished. They ar hardy race, and like many pl which grow and thrive u neglect, they have become spised and forgotten, their p being taken by tender and pricious beauties that would pe if neglected for one short sea But they are still supreme as as fragrance is concerned, and who have plantings of them well count yourselves fortuna

As I said, their period of bl is short; about three weeks i you can count on. So, if you going to dry petals, begin e in the season; for, not only it take a large quantity of f petals, but, once you start, will find it a fascinating occu tion. Then, too, you will wa surplus so you can give a some of the delightful things can be made from them. D forget that you have the wea to reckon with. Should the da moist and sultry, or shoul rain, you cannot gather pe Indeed, it is better not to ga them even the day after a rai the blossoms will be satur with moisture, which not prevents the petals from dr quickly but also renders them fragrant. The time to gather petals is early morning, after dew has evaporated but be the sun has become hot; fragr then seems to be at its peak. freshly-blown flowers should

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"We found that our house had termites—too late to save a big repair bill. That taught us a lesson. Now Terminix Service protects us against future termite damage. That's real insurance, we think!"

Termites are tiny, efficient insects which feed on wood. They work from ground nests up into buildings, silently and out of sight. They literally eat away the strength of supporting timbers. Termites do millions of dollars' worth of damage annually, necessitating expensive repairs unless discovered and stopped in time.

Return the coupon today—to be sure that your home is safe from attack by these destructive insects.

30,000 Hundreds of Nation's Leading Firms Use Terminix Insulation

Sound-thinking business men believe in *preventing* termite damage. All over the country well-known companies have protected their properties with Terminix, a special chemical developed by E. L. Bruce Co., world's largest maker of hardwood floorings. Terminix, world's largest termite control organization, offers guaranteed and insured protection against termites.

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Don't take a chance! Find out if your property is infested. Let a trained Terminix representative inspect it—free—without cost, obligation or inconvenience. If termites are present, he will show you how to get rid of them and avoid future damage.

BONDED TERMINIX INSULATION Guaranteed by Good Housekeeping as advertised therein

FREE INSPECTION by Licensees of TERMINIX DIVISION E. L. BRUCE CO. MEMPHIS TENN.

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E. L. Bruce Co., Memphis, Tenn.
☐ I would like to have you inspect my home for termites, without cost or obligation. ☐ Please send me literature on termite damage.
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Explains latest inventions, methods in Photography and Home Movie Making, for fun and profits. Offers hundreds of amazing money-saving Bargains in still and movie Cameras, Lenses, Films, etc. Used equipment accepted in trade. Satisfaction guaranteed! WRITE FOR FREE BARGAIN BOOK!

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No need to break your back. Now . . . you can ease the lawn mower action instantly with a few drops of 3-In-One Oil (three fine oils in one—animal, mineral, vegetable). Use it also to lubricate and to keep garden tools rust-free.

3-IN-ONE OIL
LUBRICATES · CLEANS · PREVENTS RUST

used, of course, for best results.

The process of drying is very easy. Select an airy, warm place such as an attic or the upper room of a shed, where breezes will not blow the petals about, but yet where there will be a circulation of air. Spread out clean newspapers and on them loosely scatter the gathered petals. Since the object is to dry them as quickly and thoroughly as possible, spread them as thinly as space will allow. A light sprinkling of common table salt is said to preserve the fragrance. By the next morning, when you are ready to gather the second lot, the first should be well shriveled and almost dry. The petals can then be transferred to a smaller paper or a shallow box cover to finish drying, while you put a layer of fresh petals on the newspaper. Direct sunlight should not strike the drying petals as it injures them, but heat, no matter how intense, seems not to hurt them.

When the petals are thoroughly dry, store them, as they accumulate, in an air-tight container, such as a stone crock with a lid. They must be kept covered to conserve their fragrance, but mixing or stirring is not to be done until sufficient petals have been gathered and prepared.

There are many recipes for rose jars, but they all fall into two classes—moist jars and dry ones. The former have alcohol and essential oils added to help preserve the petals, which may be used fresh, but the dry ones are perhaps simpler to make. Many of the recipes are complicated and include all manner of fragrant substances, but the results in such cases cannot be called true rose jars; potpourri, or sweet jar, is the name given to such mixtures—but that is another story.

The following is the recipe I used and found very satisfactory:

Dry rose petals, ¼ pound (about 10 cupfuls)
Ground orris root, ¼ pound
Sandalwood powder, 2 ounces
Table salt, ¼ pound
Crushed (or ground) cloves, ½ ounce
Crushed (or ground) allspice, ½ ounce
Crushed (or ground) cinnamon, ½ ounce
Vanilla beans, 3 or 4

It is wise to begin assembling the other ingredients at the same time you start gathering petals, for you may find that one task takes as long as the other! Living near a large city, I expected no trouble in getting the ingredients: but I was mistaken. Even the Japanese shop could not help me! Finally, through a drugstore, I secured the unusual articles. The spices I used were common kitchen

[*Please turn to page 127*]

The concrete residence of Ralph Seymour, Darien, Conn. Architect: Fred J. Wallis, Westport, Conn. Concrete floors, concrete walls and firesafe roof covering.

DEATH RIDES WITH FIRE
BUT YOU'RE SAFE IN A
CONCRETE HOME

WHEN you gamble with Fire, you stake the lives of your loved ones! Defeat this treacherous, death-dealing enemy by building safely, securely with concrete. Concrete walls and floors CAN'T BURN. Termites, storm and decay are powerless against concrete.

And this extra protection can be obtained at surprisingly low cost. For an average home costing $5000 this firesafe construction adds only a few dollars to the monthly purchase payments—a small amount which is more than repaid by savings in slower depreciation, lower upkeep and higher resale value. In many communities lower fire insurance rates add to this saving.

Build beauty and sound value into your home with concrete. You can have any architectural style or any color. And you are assured of a snug, dry home in winter, a cool one in summer. Write for free booklet of design ideas for concrete homes.

HOW TO GET A CONCRETE HOME

1. Get the right builder. Ask a local concrete products manufacturer or a concrete contractor. They can show you how to utilize concrete in the home you want, and can also name builders, realtors and architects experienced in concrete.

2. Tell the architect you choose that you want concrete floors (any floor covering you wish), concrete walls and a firesafe roof.

3. Insist on firesafe construction! Have your plans figured by builders who know concrete costs and methods. Although the number of such builders is increasing very rapidly, not every builder in your locality may be familiar with latest developments in concrete. As a rule the man who has built one or more concrete homes or is specializing in this type can give you the best bid and the best job. Let nothing shake your determination to obtain the best value for your home-building dollar in today's market . . . A FIRESAFE CONCRETE HOME.

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Dept. 6-5, 33 W. Grand Ave., Chicago, Ill.

A national organization of engineers and scientists, working in laboratory and field to improve and extend the uses of concrete.

ANNE TIFFANY—Who has decorated the houses of many famous New Yorkers. Her latest achievement is the redecoration of Manhattan's smart St. Regis Hotel.

Anne Tiffany

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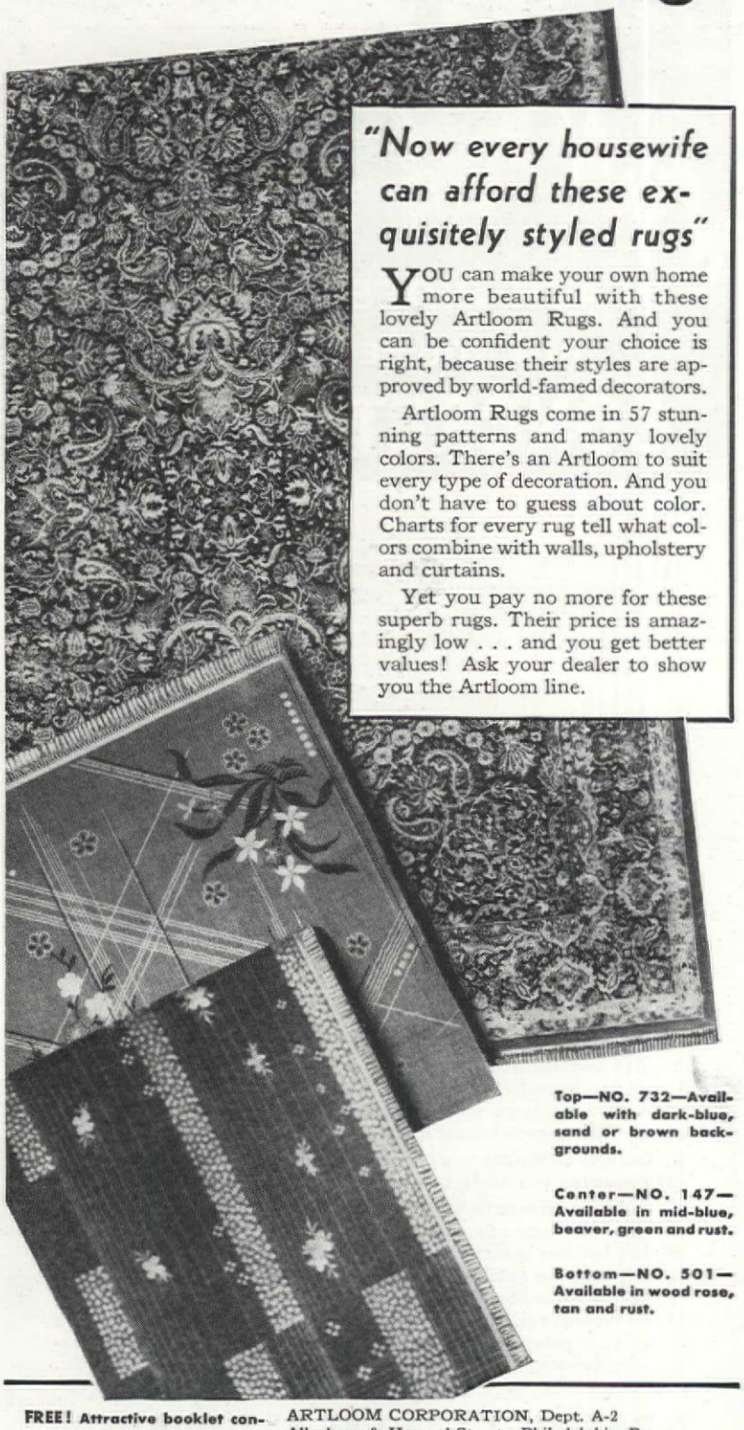

"Now every housewife can afford these exquisitely styled rugs"

YOU can make your own home more beautiful with these lovely Artloom Rugs. And you can be confident your choice is right, because their styles are approved by world-famed decorators.

Artloom Rugs come in 57 stunning patterns and many lovely colors. There's an Artloom to suit every type of decoration. And you don't have to guess about color. Charts for every rug tell what colors combine with walls, upholstery and curtains.

Yet you pay no more for these superb rugs. Their price is amazingly low . . . and you get better values! Ask your dealer to show you the Artloom line.

Top—NO. 732—Available with dark-blue, sand or brown backgrounds.

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FREE! Attractive booklet containing valuable decorating advice by world-famous decorators. Send coupon for your copy. (In Canada, rugs woven by Artloom's exclusive process are made by Harding Carpets Ltd., Brantford, Ont.)

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Set up for life

[Illustrated on pages 16 and 17]

HERE are six exquisite patterns in sterling silver for the bride who likes Early American maple furniture, pine paneling, and Cape Cod houses. Right down to left: International's "1810" pattern Towle's "Benjamin Franklin," Gorham's "Christina," Alvin's "Maryland," International's authentic reproduction for Colonial Williamsburg, Reed & Barton's "Colonial Classic."

This same bride will like the "American Stage Coach" plates of Taylor, Smith & Taylor, or Pitcairn's "Medford" plates, with all the other pieces to match. Or she might prefer "Candlewick," the pattern of the cup and saucer which as you will see later, is also available in glassware. The cream and sugar are part of a set called "Abundance," in a Cape Cod shape, done by W. S. George.

For the center of her table she will want "America," a crystal rose bowl by Fostoria, or a beautifully simple sterling silver bowl, by Towle.

No glassware could be lovelier than reproductions of Sandwich pressed glass, in plates and goblets, done by Duncan & Miller. Another appropriate goblet is plain, with chevron cutting on the stem, from Heisey, and the third goblet we show you is Candlewick, done by Seneca to harmonize with Candlewick china.

Modern minded

Now for the bride who has gone stream-lined in her tastes. She will want one of the six patterns of silver shown in center, top to bottom: Rogers, Lunt & Bowlen's "Modern Classic," Reed & Barton's "Jubilee," Towle's "Craftsman," Watson's "Dorian," Wallace's "Reflection," or International's "Continental"—all very beautiful.

Her china may be Haviland's platinum band service, of which a plate and cup and saucer are shown, or Limoge's middle plate with its ombre colors, and extremely interesting shapes for cream and sugar, or the decorated plate from Onondaga.

For centerpiece, sometimes she will use International's oval sterling bowl, adapted from a Swedish modern design, or Fostoria's "spool." vase which comes in pastel colors as well as crystal. Her glassware may be Cataract-Sharpe's block stem, shown at the left, Cambridge's "Straw Flower," at the right, or Fostoria's new modern shape, plain or decorated, shown in two sizes in the center of the photograph.

For elegance

If the bride has a flair for elegance in living, here are the gifts you should consider: From top to bottom, the silver includes Gorham's "Florentine," Wallace's "Sir Christopher," Gorham's "Chantilly," Reed & Barton's "Sonata," International's "Riviera," and Watson's "Meadow Rose."

"Billingsley Rose," shown in a dessert plate and cup and saucer, is one of the most bridey Spode patterns at Copeland & Thompson; the other two plates are both Wedgwood, the first one "Columbia," the other an exquisite new pattern of pale blue on an Alpine pink ground. The cream and sugar are Spode, reproductions of fine old Lowestoft, from Copeland & Thompson.

In sterling silver, the Towle centerpiece can be used as it is shown, or can be separated, and the plateau used for sandwiches, cake, cold cuts, or what you will. A delicate fern leaf pattern distinguishes the crystal goblet shown at the left of the group, by Duncan & Miller. In the center is a sherbet glass in Cambridge's "Symphony" pattern with Stradivari stem, and the graceful raindrop glass at the right of the photograph is from Cataract-Sharpe.

Even a man can do a good job with Martex Dry-Me-Dry

(U. S. PATENT PENDING)

DRY-ME-DRY DISH TOWELS DRY FASTER—LEAVE LESS LINT

THESE new Martex three-fibre dish towels, absorb moisture much faster than any other dish towels. Tests by leading laboratories confirm this statement. A scientific balanced construction of cotton, spun-rayon and linen makes Dry-Me-Dry do more dishes and do them faster than any dish towel you ever used. Their smart, gay borders will bring life and color into your kitchen. You owe it to yourself to buy them and try them. The price —25¢ to 50¢ each, depending on size and pattern. In addition to Dry-Me-Dry, Martex also makes the part linen dish towels shown at right, 3 to 5 for $1.00, depending on size and pattern. On sale now at department stores and linen shops. Wellington Sears Company, 65 Worth Street, New York City.

DISH TOWELS BY

NATIONAL COTTON WEEK
MAY 31—JUNE 5

Martex

THE MORE Home MEANS TO YOU...

THE MORE YOU'LL APPRECIATE DUTCH BOY PROTECTION

IF HOME means a lot to you, why not give yourself the pleasure of seeing it looking brand new once again? And when you repaint, why not try a color scheme entirely different from the one you have now? (The booklet offered in the coupon below illustrates over 28 attractive color schemes.)

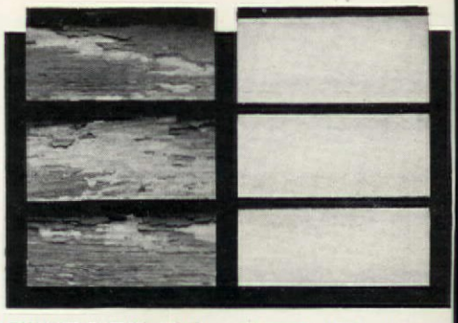
Your painter will be glad to work out any new color combination you wish. But when it comes to the paint itself, he's not interested in "something different". He sticks to a time-tried formula. He gives you the *proven protection* of Dutch Boy.

When you see him mix his paint with Dutch Boy White-Lead, you know that the sparkling improvement in appearance which flows off his brush will not be here to-day and gone to-morrow. You can count on Dutch Boy to resist the weather with real "Dutch stubbornness"... and give long-lasting service.

Don't be fooled by the *fake economy* of "cheap" paint. The left-hand photograph above shows what you really get. First cracks. Then paint scaling off. Then unexpected expense—for burning off the worthless paint and completely repainting, the latter including a new priming coat.

Avoid all this extra expense—by using Dutch Boy White-Lead. This paint does not crack and scale. Instead, it wears down by slow, gradual chalking—leaving a smooth unbroken surface—an ideal foundation for new paint. So, when your painter recommends Dutch Boy, he gives you additional proof that he is a conscientious craftsman determined to give you full value for your money. No one knows paint like a painter.

Easy to pay the Dutch Boy way. Why put off the pleasure of seeing your home sparkling with color once again? Take advantage of the Dutch Boy Easy Payment Plan. No down payment. Two years to pay in surprisingly small monthly installments. The coupon below will bring you full information. But regardless of whether you are interested in this plan, send the coupon anyway for a free copy of the booklet,



"CHEAP" PAINT—*"Quitting" already—after only a short period of service. Right after this picture was taken, the paint had to be burned off at a cost of $60. There was also the additional expense of repainting which included a new priming coat.*

DUTCH BOY—*Four years old and still in excellent condition. House in same section as "cheap" paint job. Not a sign of cracking and scaling. And when repaint time finally does come, there will be no expensive extras to pay for.*

"The House We Live In". Shows 28 new and attractive color schemes. Tells how to get your biggest money's worth when you buy a paint job. Write Department 244, in care of the nearest branch.

NATIONAL LEAD COMPANY
Dept. 244, *(See list of branches at left)*

Please send me your free booklet, "The House We Live In", containing color scheme suggestions and practical advice on interior and exterior painting.

☐ Please include description of Dutch Boy Easy Payment Plan.

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DUTCH BOY WHITE LEAD

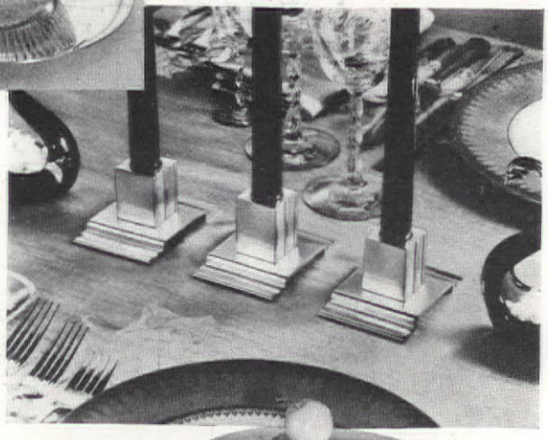
GOOD PAINTS OTHER NAME

NATIONAL LEAD COMPANY, 111 Broadway, New York; 116 Oak St., Buffalo; 900 West 18th St., Chicago; 659 Freeman Ave., Cincinnati; 1213 West Third St., Cleveland; 722 Chestnut St., St. Louis; 2240 24th St., San Francisco; National-Boston Lead Co., 800 Albany St., Boston; National Lead & Oil Co. of Penna., 316 Fourth Ave., Pittsburgh; John T. Lewis & Bros. Co., Widener Bldg., Philadelphia.

Sugar and creamer in polished chromium plate and a graceful oblong tray make a very useful wedding present. The three pieces retail for about $4. Revere Copper & Brass, Inc.

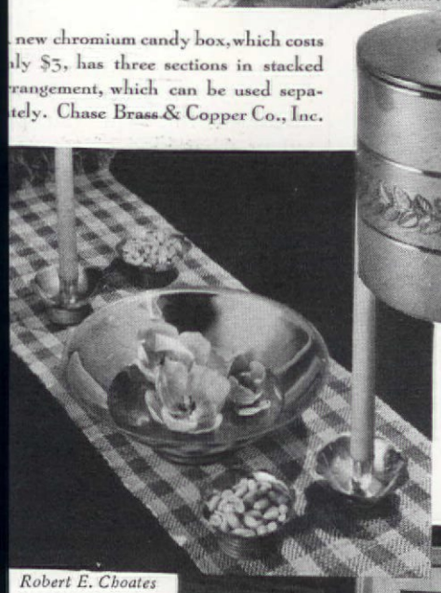
Wedding gifts need not cost a lot

The new, low candlesticks we are seeing on smart tables come in Kensington ware, for about $2.50 each. They are so designed that several can be put together in different ways to form a number of interesting arrangements. A gift all brides will well appreciate



syrup jug in clear elon glass, with inged cover and andle of polished hromium, comes omplete with its wn plate. The set tails for about 2.50. Chase Brass Copper Co., Inc.

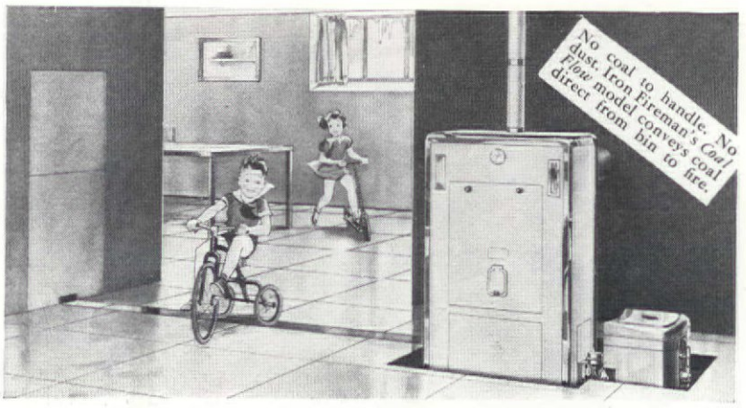
new chromium candy box, which costs ly $5, has three sections in stacked rangement, which can be used separately. Chase Brass & Copper Co., Inc.



A centerpiece which comes in polished chromium or copper plate has petaled candlesticks and nut dishes to match. The six pieces retail for about $8 and can be bought separately. Revere Copper & Brass, Inc.

Robert E. Choates

groom will espey appreciate a e for his bride's ograph, in simple singston ware. s vary according ze, from about or the 7x9" size for 10x13" size



Iron Fireman Now the Preferred Heating in NEW Homes or OLD

... but IRON FIREMAN "walked away with it"

Dr. F. C. Armstrong's fine big residence in Red Oak, Iowa, with high ceilings and open stairway used to be a real heating problem. His fuel bill with hand-firing was $275 to $300 a season, yet the house wasn't warm enough. He tried a type of automatic heating (not Iron Fireman). His fuel bill went higher, and the house was still cold. "It was awful," said the doctor. But in the spring of 1934 he installed an Iron Fireman automatic coal burner. Now he keeps the house at 78 degrees, night and day, automatically.

Dr. F. C. Armstrong

"Cut Fuel Bills in Half, too," *says Dr. Armstrong*

"In two and a half years Iron Fireman has never failed me yet. All the heat we want *all the time.* Always clean and safe. We couldn't do without our Iron Fireman. Fuel cost now averages about $135 a year."

NO COAL HANDLING

Iron Fireman's *Coal Flow* model feeds direct from bin to fire—does away with coal handling. In all important ways coal is now the finest automatic fuel, when fired by Iron Fireman. It is clean. Modern coal dealers deliver dustless, processed coal. It is safe—nothing to leak or run. It is automatic. Iron Fireman regulates itself—holds temperature exactly where you want it. It is even. Coal gives off its heat in a steady even flow of mellow warmth that penetrates the whole house. It warms the walls and floors as well as the air in the rooms. Prevents "cold 70" or "stratified heating" so prevalent with pop-on pop-off fuels.

MOST ECONOMICAL HEATING

Iron Fireman coal heating saves money, too. Fuel costs less than hand-fired coal and *much less* than other automatic fuels. Don't saddle yourself for life with high fuel costs. Order an Iron Fireman installed in your present heating plant. If you build a new home, be sure to install an Iron Fireman. Easy payment terms. Consult your dealer, or write for literature. Iron Fireman Mfg. Co., Portland, Oregon; Cleveland; Toronto. Dealers everywhere.

IRON FIREMAN

AUTOMATIC *Self Regulating* COAL FIRING

Registered trade mark of Iron Fireman, the machine that made coal an automatic fuel.

IRON FIREMAN MANUFACTURING CO.
3227 W. 106th Street, Cleveland, Ohio.
☐ Send literature Type of plant: ☐ Commercial heating
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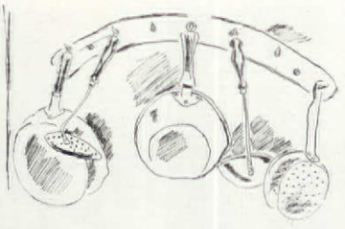
It saves hours for busy buyers

Use your Classified Telephone Directory *before* you start shopping. Find out who sells the advertised brands you want. Then go right to the shop, or telephone instead—saving time and trouble.



Right from our own kitchen

We've had a lot of letters lately from readers asking about this or that unusual food problem. One was from a young bride who was worried about a committee chairmanship she had just received. It seems that the one hundred members of a missionary society were going to have a luncheon at the church and our bride had to be in charge of all the food: plan the menu, tell who to bring what, see that it was served properly, keep costs down, profits up, and all the rest. At first she told them she positively couldn't do it. But they wouldn't let her back out, so she had to keep her job. "I haven't slept any since being told of this responsibility and doubt whether I'll sleep very much until it is over. If I live through this, I am sure I will never complain again about preparing meals for two," she wrote. By the time this book goes to press she'll be right smack up against the Big Date and we're wishing her luck!

Now in case any other readers are ever confronted with such a problem (and there's no telling when that might happen to you and you) there's a new book called "Recipes and Menus for Fifty" that will help you. Then as chairman of the "eats" committee you can not only tell Mrs. O'Henry to prepare Spanish Beans to serve fifty people, but you can give her the exact recipe as well, and then forget about the bean part of the meal. Mrs. O'Henry will show up with the correct number of beans—and cooked the right way, too. Same way with the fruit punch. The book gives the exact proportions to serve fifty people. Other chapters include fruits, bread, cereals, meats, vegetables, salads, cheese dishes, pastries, and desserts; also some menus suitable for the four seasons of the year that are appropriate and easy for serving large crowds. M. Barrows and Company. Price $2.

But perhaps you would like to have me give right here some tips on amounts of food to serve fifty people in case you're needing this information at once. So many people have asked us about this. Fruit punch, 10 quarts; coffee, 1¼ pounds; cream for coffee, 1¼ quarts; sugar, lump, 1½ pounds; tea, 2¼ ounces; soup or bouill 12 quarts; roast fresh ham, pounds; meat for croquettes, pounds; smoked hams, 3 (all about 4 pounds for trimming ground beef for beef loaf, pounds; beans for baking, quarts; fish, 15 pounds; oyst for stew, 6 quarts, milk 2 gallo oysters served on the half sh 200; potatoes mashed, 1 pe potatoes creamed, 1 peck, sau 3 quarts; carrots, 10 poun onions, 10 pounds; parsnips, pounds; spinach, 6 pecks; sw potatoes, 20 pounds; can vegetables, 4 number 10 ca chicken salad, 20 pounds fo combined with celery (one pound fowl cooked gives pounds meat and 10 quarts chi en salad serves fifty people); tuce, 7 firm heads for base salad; fruit salad, 8 quarts. po to salad, 10 quarts; ice crea to 8 quarts; sherbet, 3 gallo pies, 6 to 8 (10-inch pies); c 4 large; fruit cocktail, 6 qua allowing ½ cup per servi berries for shortcake, 8 qua bonbons or heavy candies, pounds.

* * *

Not long ago, we had ano letter from a reader, "Please don't you give us more me We like and use your recipes your menu-maker, but we more suggestions for putting t together;" which seems lik sensible suggestion to us. In in this very issue we've inclu some menus for wedding br fasts and receptions. Tho they're labeled "weddings" can easily be adapted to o occasions. But will you pl tell us what kind of menus want most? Are they for fa dinners, formal dinners with pany, picnics, Sunday night pers, or what? Tell us, and see what we can do about it.

* * *

One thing I wish is that people could be here when we our testing bees in the kit Manufacturers are always sen us new food products th thought up and some of them grand, and others not so g Yes, some even verge on bei little queer, we think. And f who are firm believers in plain food (though beauti cooked and served) we hesita recommend new food prod unreservedly, until we feel that you will like them. Of c some of these new foods grow on us after we've had around the kitchen for a We'll let you know.

But I *would* like to tell about the National Biscuit pany's newest food child. A salty, crunchy wafer wit wrinkled surface something Shredded Wheat Biscuits. right with cocktails, but we them with the marmalades

Patricia Ellis and Hugh Herbert featured in Warner Bros.-Cosmopolitan production "Sing Me a Love Song"

"EARLY CALIFORNIA" AND "SPECTRUM"
Authentic
VERNON POTTERY

You can see and feel the difference between Vernon Early California and ordinary pottery—colors are vivid and *permanent*—it has the body essential for long service. At better stores in complete sets or open stock . . . Get all the same color or mix 6 contrasting shades for a striking "Rainbow" effect. 32-piece Rainbow set—$8.55. Single pieces from 15c.

Spectrum, a colorful series of hand-in-laid glazes by Harry Bird, famed Vernon artist, is now available for the first time. Several patterns, each in a number of color combinations. Dinner plates, 55c. Bread-and-Butter plates, 35c. Cup and saucer, 65c.

Vernon Kilns

Free Booklet with Color Illustrations

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● Put Heinz Strained Foods to the test of your baby's taste. He'll relish their natural color —their "garden" flavor. Heinz cooks these foods scientifically—in sealed kettles with dry steam. The valuable vitamin and mineral contents are *sealed* in—never cooked out. You'll pay no premium for Heinz *extra* quality!

★ **11 KINDS**—Tomatoes; Strained Vegetable Soup; Green Beans; Spinach; Peas; Beets; Carrots; Mixed Greens; Apricots and Apple Sauce; Prunes; Cereal.

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DELICIOUS CRYSTALLIZED TROPICAL FRUITS
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● COCONUT PATTIES from the Coconut Coast of America specially prepared in Sunlit hygienic kitchens. A tasty confection—and healthful.
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CONTAINS full assortment of ALL items listed above. ESPECIALLY SUITABLE FOR BRIDGE SNACKS.

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iams we tested and photographed this week for the July American Home. These delicious wafers are now being sold all over the country in 10-cent size packages.

Another one of the new products that we like in our kitchen is Kemp's Sun-Rayed Tomato Aspic which has just been introduced on the national market. It looks like plain tomato juice at room temperature, but you put it in the refrigerator and it "jells" all on its own. You can imagine how easy it is then simply to cut off a slice and serve as a salad or garnish. Each 15-ounce can contains six average servings, and retails for 15 cents.—JULIA BOURNE.

Picnic with a charcoal brazier

[*Continued from page 36*]

be well to substitute potato chips. Five tablespoons of butter or bacon grease have been placed into our iron skillet. The wire grill is used again to support the pan. Now we add one chopped green pepper, twelve ears of corn cut from the cob, two teaspoons of sugar, and salt and pepper to taste. The corn is allowed to simmer, but must be stirred constantly to keep from sticking. A wooden spoon with a long handle is best since it does not carry heat. After twenty or twenty-five minutes our corn is ready.

Since this is a picnic—a most informal affair—we are using paper plates and cups exclusively. The steak sandwiches are to be eaten with the fingers, likewise the tomatoes and pickles, but we have plenty of wooden or paper spoons for the ice cream. There are also large shakers of salt and pepper, and plenty of paper napkins to wipe our greasy fingers. After each course these plates, forks, and napkins are burned in the braziers, and fresh ones passed around.

At last we are ready for our dessert which has been prepared earlier in the day. Those who do not care for sweets may be served slices of chilled watermelon. But we prefer

Fresh peach ice cream
(Southern style)

1 pint heavy cream
¾ cup sugar
1 cup crushed ripe peach pulp and juice
2 eggs
Few grains salt

Whip cream. Beat eggs and blend with the whipped cream. Add sugar and salt to peach pulp and juice and mix well with egg and cream mixture. Freeze in the freezing tray of your mechanical refrigerator, or in a freezer.

With the ice cream we pass Toffee squares made as follows:

NO "DOG DAYS" IN *this* HOUSE!

Why should you fear the "dog days" when heat falls like a suffocating blanket over your home or business place? At last something has been done about the weather! And you may at no great cost turn on cool fresh air. Air-conditioning is thoroughly practicable, summer and winter. Modern architects do not overlook it in their plans. It is vitally important, however, to have the air-ducts and all metal surfaces highly resistant to the corrosive action of moist air. Here's where ARMCO serves you! For many years, galvanized ARMCO Ingot Iron sheets have stood up in this service. Ask your architect or contractor to use ARMCO Ingot Iron in your new air-conditioning installation — and look for the famous ARMCO triangle. Nearly every one is served every day of his life by some product made of ARMCO sheets. Look for ARMCO when you buy!

THE AMERICAN ROLLING MILL COMPANY
MIDDLETOWN • OHIO

ARMCO

"I'M STRIKING FOR HOME GROWN VEGETABLES!"

"Of course, you know it's unfair to give me anything but the best ...but do you know, Mother, that it's unfair for you to cook for me yourself? No matter how you hand-pick my vegetables or how carefully you cook them and sieve them, they won't be as fresh or as nutritious as Gerber's!"

Only Gerber's Offer All These Advantages

Pedigreed Seeds – developed by expert horticulturists for prize vegetables of highest nutriment.

Controlled Farms – for proper soil, and harvesting at the correct degree of full ripeness.

Home Grown – within an hour from our kitchens to prevent loss of quality.

Shaker-Cooked – after scientific straining at correct temperatures with air excluded for mineral and vitamin protection in high degree. Each sealed can is mechanically shaken for even cooking throughout.

Gerber's Strained Cereal made from selected whole grains; Gerber's Prunes are from the Santa Clara Valley of California, which also raises Gerber's Apricots. Apples used are Michigan Grimes Golden.

Gerber's

Shaker-Cooked Strained Foods

STRAINED VEGETABLE SOUP — TOMATOES — GREEN BEANS — BEETS — CARROTS — PEAS — SPINACH — APRICOT AND APPLE SAUCE — PRUNES — CEREAL — LIVER SOUP

You are invited to visit our plant when touring Michigan.

Get This Gift for Your Baby

A boy doll in blue, or a girl doll in pink, of high quality sateen, all stuffed and trimmed. Sent for 10c and 3 Gerber labels. Check items desired:

☐ Boy Doll ☐ Girl Doll.
☐ Mealtime Psychology, a free booklet on infant feeding.
☐ Baby's Book on general infant care, 10c additional.

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Name.....
Address.....
City.....State.....

Toffee squares

½ pound fat (1 cup)
1 cup sugar
1 egg
2 cups flour
1 tablespoon ground cinnamon
1½ cups nuts chopped very fine
Few grains salt

Cream fat and sugar. Add egg yolk unbeaten, salt, cinnamon, and flour. Mix well as for pie crust. Place in a long cookie tin, previously floured. With the fingers or spatula work dough into place. It should be evenly distributed over the bottom of the pan and the dough should not be more than ¼ in. thick. Over the surface of the dough pour the slightly beaten egg white and with a brush smooth the whole surface. Now cover the dough with the nuts. Bake twenty to twenty-five minutes. Use a moderate oven (375° F.) for five minutes, and 400° F. for the rest of the time. Remove from oven and while cookie dough is still hot cut into two-inch squares, but do not try to remove from pan until cookies are cold. Place cookies in a tin box. They will keep fresh for two weeks.

It's all easy and simple fare—but your guests will call it one grand picnic from start to finish!

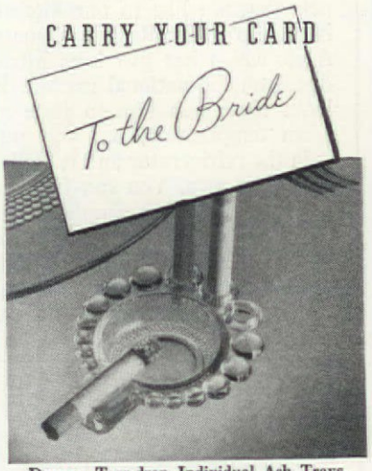
Families are not vacations

[*Continued from page 37*]

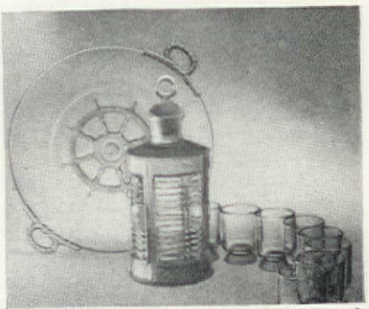
spot which you want to see is a selfish scheme. If you cannot send them to some camp where they can develop cherished companionship as well as sturdy little bodies, board them out at some farm where, for the time that you are gone, they will have the time of their lives and learn first-hand far more than from those en route lectures you deliver and refer to as "educational." It's a lovely idea and one which every last one of us cherishes—this idea that we are "companions" to our children. We are, by comparison to our relationships with our parents, but it is stupid to suppose that they have as good a time with us as they have with their own kind, "We are more like two boys, than father and son" may be uttered sincerely, but have you ever heard the children themselves make such a statement? Being "swell" is not exactly the same thing as this brother or sister act of which parents are so fond. Children would rather have a vacation on their own than share in the most elaborate family program. If you don't believe it, ask them. If it's to be a boat trip, that of course will appeal, as will our more spectacular national parks. But in that event, be sure they are old enough to make your investment worth while. Far better to send them later than when they are too young to absorb and retain what they see in their travels.

You will have perceived that our impassioned plea for individual vacations has been shrewdly built around that most vulnerable of all pleas "for the children's own good." Personally, I believe it is Mother and Dad who need individual vacations far more than their offspring but, rash as I am, I shall not throw all caution to the winds and give forth sound, intelligent reasons which would be immediately smothered in sentimental indignation. What I do hope for most sincerely is that family vacations, except in rare cases wasted sacrifices, may be discontinued at the earliest possible moment. I should like you to think of your vacation as a time in which to renew yourself—emotionally and spiritually as well as physically; that you squeeze into it as much adventure as your spirit and your purse allow—but that you do not try to squeeze your vacation down to Junior's size—however cute a little rascal he may be. Of course he will be sadly neglected and miss you (but don't press him too hard on this question) and no one can ever understand him like his own mother and you can't have a good time without him—well, try it. That is, if you can face the certainty that the children CAN have a good time without you and will want to go back to camp or farm next year!

LET THE LOVELIEST GLASSWARE IN AMERICA CARRY YOUR CARD

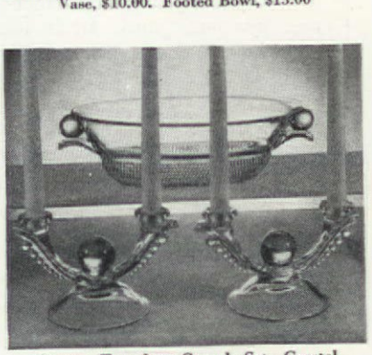


Duncan Tear-drop Individual Ash Trays. Set of 8, $2.75



Nautical Decanter and 8 Glasses, $7.50. 11-inch handled Plate. Each, $3.50

Duncan Viking Hand-fashioned Glass: 10-inch Vase, $10.00. Footed Bowl, $15.00



Duncan Tear-drop Console Set. Crystal. Per set, $5.00

Many Duncan pieces that have been given as wedding presents during the last 70 years are now in collections of fine glassware. Send *that* kind of glass as *your* gift. See it at department stores, jewelers, gift shops, or write for folders. Prices given are approximate retail prices in your stores. Slightly higher in West.

Duncan

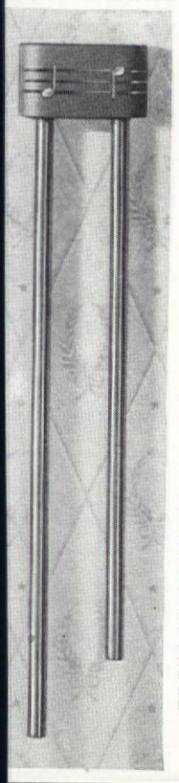
THE DUNCAN & MILLER GLASS COMPANY
on the Old National Turnpike at Washington, Pa.

For the home craftsman

AMATEUR POWER WORKIN TOOLS by A. Frederick Collin J. B. Lippincott Co., Phil $1.75. An extremely inform tive book of 188 pages wi 85 illustrations. The auth is an enthusiast and evidently first-class craftsman, who reco nizes the fact that all novices wood working can achieve mo satisfactory results if they lea to use the modern power driv wood working tools. It is a bo essentially for those who wou graduate from the laborious ma ual methods rather than for t novice in wood working. Anyo with a work-shop of even t most modest sort can learn to sa both time and trouble by stud ing this book. Even the sophis cated old-timer should be able pick up worthwhile point from it. Prices of both tools a sundries have been given, wh may prove confusing, due changes in lists, but at least th serve as a guide to the possi cost of equipment.—H. A. G.

STOP DOOR-BELL NERVES

Modernize Your Home With Musical Organ Chimes Instead of B-R-R-Rings



Here's the NEW announcing signal for the modern home! When your door-button is pressed, two deep organ-like tones replace the irritating, nerve-wracking bell or rasping buzzer. A charming note of welcome to your guests.

Hangs on the wall. A fitting ornament for hall or living room. Designed to harmonize with home furnishings. Length of chime complete is 40". The housing with musical note motif is finished in Ivory Art Metal with Gold, or Statuary Bronze with Brushed Brass. The Chime tubes are polished brass. Price, $7.00 in U.S.A.

Easily installed by an electrician or anyone who follows simple instructions supplied with each instrument. Operates on either transformers or batteries on regular door-bell wiring. Order from your electrical dealer, department or hardware store. If he hasn't stocked it yet, order direct from us with check, money-order or C.O.D. (We prepay shipping charges.) Money-back guarantee.

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Established 1903

RITTENHOUSE ELECTRIC DOOR-CHIME

and thousands of young women throughout the country will be entering into the new vocation of home-making. Every bride will treasure as one of her choicest gifts a copy of

THE SETTLEMENT COOK BOOK

The Way to a Man's Heart

Compiled by Mrs. Simon Kander

With it she can be as expert as her Mother and achieve a reputation for excellent cooking. The 3,000 recipes tested in a home kitchen assure perfect results. They are practical, reliable and up-to-the-minute.

The Settlement Cook Book covers the entire cooking field. It includes Mechanical Refrigeration, Oven Temperatures, Infant Feeding, Canning, Pickling, and Menus for every occasion. Hundreds of thousands of daily users consider it indispensable. White, washable cover. Handy index. At your Dealer or send check or Money Order direct.

THE SETTLEMENT COOK BOOK CO.
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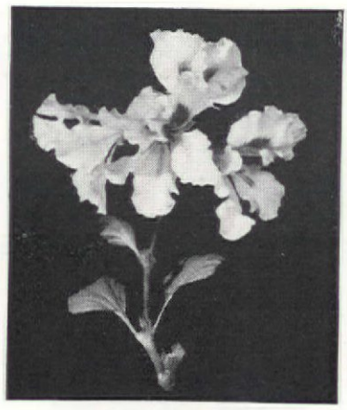
NOTE TO THE BRIDE. If you do not receive The Settlement Cook Book as a gift, be sure to get one at once and make cooking a new delight.

PRICE $2.50 Postage 10c Extra



Gardeners' Joy

Modern pelargoniums

M. C. THOMAS

With the influence of the Empire and Victorian styles so evident in interiors today, it is not surprising to find the prized flowers of the same period being brought up to date for use in modern gardens. The peony that Grandmother loved so dearly (in one case to the extent of carrying roots with her to California in a covered wagon) came only in a troublesome shade of red, whereas today named varieties in any number of beautiful colors can be chosen from a long list. The flowers, five and six inches across on stout stems three and four feet tall, put to shame the old magenta flowers of 1850. Hemerocallis, the old fashioned daylily, which grew in Victorian gardens in yellow and orange, can now be found in varying shades of apricot, bronze, and red. The fuchsia has emerged from the background of old gardens in new form, new colors, new beauty, and (from the gardeners' viewpoint) new appreciation. And now it is the pelargoniums or Lady Washington geraniums that are well on the way back from the obscurity of those old forgotten gardens.

The roots of the family tree of these plants seem to be somewhat obscure. However, plants were brought to European gardens from South Africa by Dutch and English traders, and there established and known as early as 1690. When Robert Sweet compiled his five

Edith North

New General Electric has 3 Ovens-in-one!

SPEED OVEN

Accommodates 80% of oven cooking on single shelf. 10% to 30% faster—uses 10% to 45% less current. Pre-heats 400° in less than 5 minutes.

MASTER OVEN

Extra large capacity for unusual needs. 25% greater space than conventional ovens. Can accommodate two 15 lb. turkeys at one time.

SUPER BROILER

Duplex Hi-Speed Calrod unit broils any size steak. Has greatest flexibility in both speed and capacity. New smokeless broiler pan.

Bring your kitchen up-to-date with a new General Electric... the Only Range with the TRIPL-OVEN

Be sure to see the new G-E Range with the TRIPL-OVEN. Just one simple demonstration of this "three oven" automatic electric range and you will want one in your kitchen. You will instantly recognize its advantages in greater speed, greater capacity and greater economy.

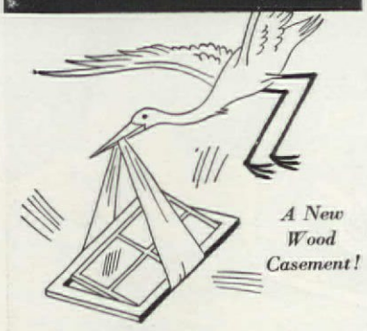
The General Electric TRIPL-OVEN is actually three separate ovens—all-in-one! Drop in at a General Electric dealer's and see for yourself how this exclusive General Electric feature will save both your time and your money. General Electric Company, Nela Park, Cleveland, Ohio.

MODERNIZE ELECTRIFY your KITCHEN

•••Your next range should be a General Electric—it simplifies the fine art of good cooking. There are eight new General Electric models to choose from—all equipped with the famous General Electric Hi-Speed Calrod cooking units. General Electric's simple pay-as-you-use plan makes ownership easy on any budget.

New 1937
GENERAL ELECTRIC RANGE
with exclusive TRIPL-OVEN

A BLESSED EVENT IN THE WINDOW FAMILY



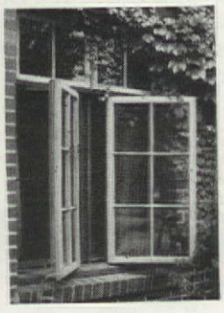
A New Wood Casement!

Life begins for a wonderful new window! Now you can enjoy the beauty and charm of casements without drafts, leakage, rattling or swinging.

You open and close this new *Silentite* Casement as easily as turning a radio on and off—yet there's no protruding hardware to interfere with screens, curtains, or blinds. The control is also up off the sill away from a youngster's reach. The complete unit includes screens and insulating glass.

Open *Silentite* where you please and it locks automatically. It can't rattle or swing in the wind. If opened a trifle for ventilation it's still immune from prying arms. Yet your own arms have free play in cleaning it from indoors. For this casement doesn't *hinge* out, but leaves an opening on what would ordinarily be the hinged side. That's fine in summer—with openings on both sides—to catch breeze from any direction.

How about winter? Well, compared to many other casements, this new *Insulated* window should save 17 out of every 100 fuel dollars! That's based on actual tests by the Pittsburgh Testing Laboratory. There are other things you'll want to know about this new baby of the Curtis line. Just mail coupon.



At last — a modern, troubleproof casement.

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Dept. AH-6c, Clinton, Iowa

Please send your book, "Curtis Insulated Windows," giving full particulars on your heat- and trouble-saving Silentite Casement Window.

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volumes on Geranium (1820 to 1830) he had already before him for reference seventy-five different works on the subject, the earliest being John Parkinson's written in 1629. There must have been a mild craze about Sweet's time to prompt him to spend ten years on a work devoted solely to geraniums. Nevertheless in all of the five hundred well drawn and finely colored plates there are very few which approach the beauty of the present day pelargoniums. These newly developed sorts are very useful plants and deserving of more attention. They can be grown successfully in pots or tubs for patio and outdoor living room decoration as well as in the garden borders, either trained into standard form or allowed to grow as a bush. Of course they are tender and must be taken indoors over winter in the North.

The greatest improvement seems to be in the size and refinement of the individual flowers and the splendid coloring. The varieties come in shades ranging from light to dark pink and through salmon, red and lavender to white; they are easily divided into color groups making it possible to fit them into almost any color scheme.

The pink group is rich in lovely flowers, but first place could well be awarded Springtime, the cheeriest of all and with such a descriptive name! It forms a strong, sturdy plant with many blossoms open at one time. The flowers are of a distinctive bright pink color with the white edge daintily ruffled. The throat is almost pure white, making an altogether beautiful flower. Edith North, a delightful rose pink, shaded deeper on the upper petals and with dark brown blotches, is a real addition to the pink group. German Glory is another very fine bright pink with large clusters of flowers. Chicago Market is a rich though delicate rose pink with two red brown blotches on the upper petals, all of which are fringed. The plant is dwarf and compact. Sue Jarret is bright pink with the two upper petals blotched with dark brown; the three lower petals have brown tracery. It is a lovely flower and the plant is well shaped. Improved Mrs. Layal is sometimes called the pansy pelargonium, and not without reason for it rivals the pansy in richness of coloring and marking. The two upper petals are almost entirely a velvety black, relieved only by a narrow edge of rosy purple; the throat is a delicate pink veined with rose and black, and the lower petals are a mixture of light and dark rose pink. In all, a blossom of extraordinary beauty borne in large clusters and, in addition to exhibiting such coloring, it is of great size, measuring three and a half inches across its widest part.

In the salmon group are found

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BUILDER CLARK—"Sure, I know MASONITE INSULATION is the best I can buy. But this particular location needs extra protection against dampness and I don't know of any insulation that can supply it. Afraid I'm licked."

BUILDER BEALS—"Bet you a new beveling kit against a public speech I can solve your problem."

BUILDER CLARK—"You're on!"

BUILDER BEALS—"Here's your answer, my friend. MASONITE DUBBLSEAL SHEATHING! It's made of 25/32" MASONITE STRUCTURAL INSULATION. Both sides and all the edges are coated with a special asphalt."

BUILDER CLARK—"You win! Here's your speech."

BUILDER CLARK—"In behalf of the Masonite Corporation, may I present a brand-new insulating board that will defy every bit of moisture that attacks your house. And, at the same time, provide the double-barreled insulating values of 25/32-inch MASONITE STRUCTURAL INSULATION. It forms strong, sturdy sheathing . . . eliminates the necessity of other sheathing and insulating materials . . . and enables large sheathing areas to be applied in no time at all. In houses of every type and size, MASONITE DUBBLSEAL SHEATHING more than ever will keep heat and cold on the right side of the wall . . . reduce fuel bills in winter, and make the house more livable all year round."

It's Right MASONITE

MASONITE
THE WONDER WOOD OF A THOUSAND USES
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Of course, you want to know all about this interesting new Masonite Product. Mail the coupon below for free sample and further details.

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111 W. Washington St., Chicago, Ill.
Please send me a free sample of MASONITE DUBBLSEAL SHEATHING and give me full information about this marvelous new Masonite Product.

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Pride of Quedlingburg, which shades from very light to very dark salmon pink. The two upper petals are dark with deep brown blotches contrasting with the white throat. The plant is inclined to be spindly but is worth growing in spite of this bad habit. California Giant is a deep salmon rose with a conspicuous iridescence in the three lower petals. Dark velvety blotches on the upper two make it a most attractive blossom. Grossmama Fischer is a ruffled one in clear dark salmon with two black blotches above. Swabien Maid has large flowers of a good shade of salmon with a black blotch at the base of each petal—an arrangement of color that creates an entirely different effect.

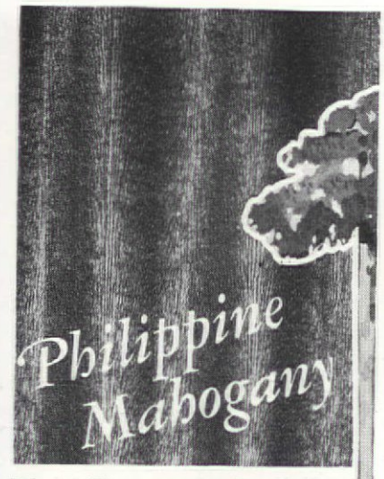
The red varieties include some very fine ones with Easter Greeting perhaps the best with its enormous flowers of bright red, each petal being marked with a black blotch. Wurtembergia is a rich dark red with a very dark, almost black, blotch in each of the five petals—a very interesting flower. Wolfgang Goethe and Marie Vogel are two other good reds.

Among the lavender shades Princess, with its lovely lavender pink blossoms and extremely long blooming period, stands out as a very desirable variety. Prince Bismarck has large ruffled flowers of a good shade of rich lavender with velvety black blotches. Neuhe Faiss is a soft lavender with a deep purple blotch on each petal.

Among the white or delicately tinted sorts Fruhlingszauber is very good—white with a delicate pink tint and red brown blotch on the two upper petals. The white flower appears fluted on the edges. Olympia is a good white and Gardeners' Joy is one of the best in the light colored group. The ground color is white; the two upper petals have blotches of deep brown and each of the others has a decided red-brown stripe down the center. They are all somewhat ruffled giving the effect of a semi-double flower. Individual blossoms are very large—three inches across—and more round than pansy shaped. This variety is a delightful example of the modern Pelargoniums now available.

A camouflaged dra

HOME—to us is what was o an old farmhouse. The to has surrounded it, and all tha left of the farm is a city eighty by two hundred feet. the old house sturdily remain simple, Pennsylvania farmho with a few old trees, enclosed four sides by a privet hedge. garden back of the house been kept as a simple, cou garden, gay with old-fashio plants. A careful plan, avoi formality, has been worked



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Write for illustrated, descriptive booklet to the Philippine Mahogany Manufacturers' Import Association, 111 W. 7th St., Los Angeles, Calif.

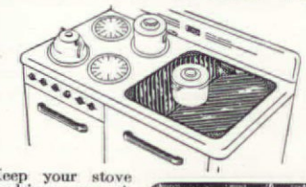
A small grape arbor at about the middle of the lot breaks the length, then, at the end, another grape trellis balances the arbor—against this trellis are two old straw bee hives in a shelter. The flower border runs along the hedge and connects these two points; the square of grass thus formed is the outdoor living room. The large maple near the house is naturally the convenient place for chairs and tables.

An uninteresting faucet and drain at the end of the house, just where we congregated, was a constant eyesore, but a necessity, as it is the one and only hose connection for the garden.

My man Friday and I gathered some old bricks, brown stone, sand, and cement—and what we lacked in skill was balanced by determination and hard work. The result we proudly call a wall fountain. The stone work was whitewashed and the bricks left natural—an old surrey wheel fits exactly over the faucet. An old jar was painted blue and a blue flower pot on the ledge balances the color. When the heavenly blue morning-glory really bursts into glory, all will be well. Thus a liability has become an asset, both for looks and use. My potted plants, two children on bicycles, and a bull dog were constantly getting tangled together. Now the plants are safe and my temper calm.—ESTELLE EARNEST.

Rubbermaid HOUSEWARE

SAVE YOUR STOVE TOP



Keep your stove looking new. A Rubbermaid Stove Top Mat prevents scratching or soiling enamel finish on top of oven. Leave it on all the time. Small knobs on bottom of mat allow air to circulate freely, letting heat escape.

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See this and other high quality, work-saving Rubbermaid Houseware in housewares department of leading stores. If not sold locally, send check or money order, specifying the color desired. We pay postage.

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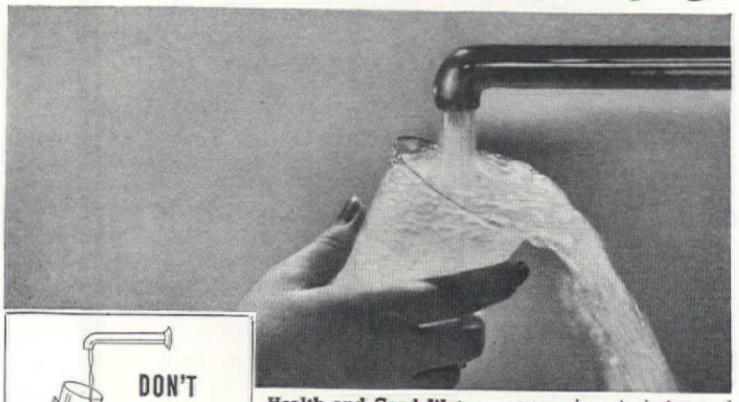

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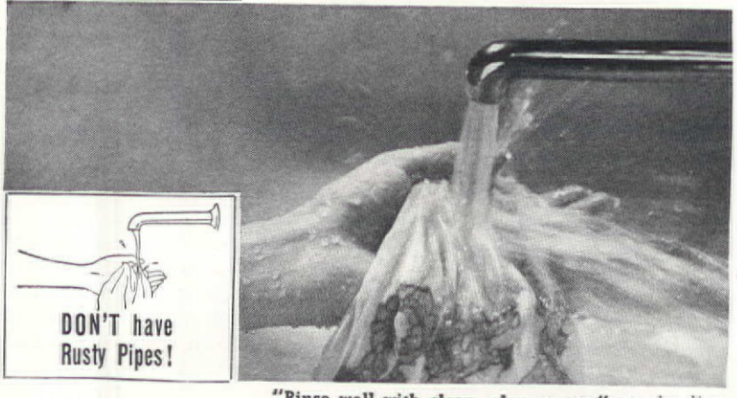
Rustless Pipes give Full Pressure. Avoid pipes that soon fill up with rust and cut down the water flow. Insist on Chase Copper Water Tube. It does not rust and will give you full pressure.



"Rinse well with clean, clear water," say the directions. "Use only *rustproof* water pipes in your home," advise architects and plumbers. So specify Chase Copper Water Tube.

ASK YOUR PLUMBER

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Because they are waterproofed *without* the use of rubber or oil, Illusion curtains NEVER crack, split, or peel—that's why it pays to look for the label that assures you the genuine!

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SHOWER CURTAINS

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TORONTO, CAN....LONDON, ENG.

A lovely garden for nothing down and 25c a week

ROBERTA W. HILL

WHEN we moved into our new home and found ourselves with a half acre of ground, we were sure we would have the loveliest garden in the neighborhood. Of course, there was a little filling-in to be done to make the driveway navigable, but after that we would spend our money for flowers and shrubs.

However, the "little filling-in" ran into several dollars and when it was finished we had nothing to spend on the planned-for evergreens, nor even on flowers. We had bought enough grass seed for the front lawn, so we sowed that, kept the grass neatly trimmed against the house, and tried not to miss the spruces and pines. While the side lot that was to have been our lovely garden grew broom sage prolifically, we drew plans for the pool and the beds of delphiniums, peonies, roses, lilies, and other flowers. We talked borders, hedges, and groupings fluently, though we couldn't even afford to plant more grass seed. "Next year," we consoled ourselves, "maybe we can get around to it"; meanwhile it remained on paper.

Two "next years" went by, and we were no better off financially, so we tried cutting the broom sage and weeds early in the spring and often with the lawnmower and found the resulting greensward far from unsightly. The broom sage soon completely disappeared and that was really our first step in coming out of the woods.

I read and re-read the catalogues in an attempt to find bulbs and plants that I could afford to buy, but the prices merely infuriated me. I felt that a dozen bulbs would have been lost in that half acre, and the prices for "hundreds" were disheartening. Friends donated a few iris, half a dozen jonquils, and a root of spirea, but they were mere dots on the ocean. Each week I looked longingly at the flowers and plants the little French florist sold at the city market and finally I weakened to the extent of asking about prices.

He had some ground phlox for twenty-five cents a plant, all colors and gorgeously in bloom. I bought one, and planted it against a rock where I wanted my rock garden to be. Of course it looked lonesome, but as rocks were free for the gathering, I gathered, and set them in place on a natural slope. The following week I spent another quarter for a phlox of another shade, and it joined the first settler. (I have since found out that flowers, unlike vegetables, are often cheaper out of season. I was able to get large vigorous phlox plants in the fall—the best time for transplanting—at six for a dollar.) Next, from a neighbor, I got a water-loving little vine that grew prodigiously over the rocks and helped the barrenness immensely.

I was now fully decided to buy whatever plant, or plants, I could get for a quarter each week when I went to market. I could not spare more money, but this tithe I could extract from the grocery budget without stinting the family table. And, like every flower lover, I was the beneficiary of gifts. Sharing is half the fun of having flowers, and as a result I accumulated sweet bergamot, firebush, four o'clocks, dusty miller, balsam, daylilies, forsythia, and many others. When the Frenchman offered forget-me-nots, three for a quarter, I started with one pink and two blue plants. The blues spread and I have at least ten clumps now, not to mention the ones I gave away or traded too! The pink one pined and eventually petered out so that will be one thing to replace next season when I am able.

Old-fashioned pinks were twenty-five cents each when in bloom, but in the fall three large healthy clumps that could easily stand division could be had for fifty cents. Oriental poppies, delphiniums, sweet william, lantana, michaelmas daisies, foxglove, anemones, crocus, daffodils, ivy, columbine, pansies, snapdragon, chrysanthemums, and many others have all been started on this pittance each week. Sometimes I find it difficult to understand the Frenchman's pronunciation of a plant name, but I buy anyway and enjoy a sort of grab-bag surprise. Portulaca, cosmos, zinnia, marigold, aster, hollyhock, and other common garden inhabitants I raised from seed, bartered for or bought out of the weekly fund.

The newer creations and improved hybrids are, of course, excluded from my garden by the cost, but as soon as there are enough of the ordinary plants to remove from our place the discarded, poverty stricken look, I will be able to combine several weeks' quotas and do some experimenting. I did combine last year on azaleas. When, in the fall, small plants were selling for fifty cents each, I bought three. All through the fall I bought crocus bulbs one week and jonquils the next, a few at a time, to plant in scattered clumps around the trees and the pool.—Oh, yes, the pool, my particular love!

I had a beautiful natural depression for one pool, and a lovely young oak tree just the right

The minute hand moves on the clock. Seventeen cry with pain. The hand moves again. Seventeen more are hurt. Seventeen persons every sixty seconds, injured—*disabled*—by accidents.

And who are these 10,000,000 injured every year—and where do the accidents occur? They're mothers, fathers, children—people like you and your family—injured on the highway, at work and at play—*half of them right in their homes.*

In our interesting booklet "Maybe You" we give you a cross section of these accidents that are spoiling vacation plans, stopping incomes, ruining lives and running up doctors' bills. And we tell you how to avoid these troubles—give sound, helpful hints on practical safety. Send for a copy of this valuable booklet.

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No matter how careful you are, residence liability and accident insurance policies are needed. Ask the nearest Employers' Group Agent to help you.

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Send without obligation, your booklet "Maybe You."

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CUT FUEL BILLS
Spring and Fall...

with this

FIREPLACE

The Heatilator Fireplace CIRCULATES HEAT to every corner of the room . . . and to adjoining rooms. Draws air from floor level, heats it, and returns it to far corners. All the heat needed on cool spring and fall days. Saves furnace operation. Makes summer camps usable weeks longer. Solves the heating problem in basement recreation rooms.

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The Heatilator is a correctly designed metal form around which any style fireplace can be built. The firebox, damper, smoke dome and down-draft shelf are all built-in parts of the unit. Greatly simplifies construction—saves labor and material. Now at *new low prices;* adds little to fireplace cost. Thousands in use everywhere.

WRITE FOR DETAILS; tell us if you are building a new or re-building an old fireplace.

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Heatilator Fireplace

MIRACLE WINDOW SHADE!

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● Dirt, grime, fingermarks wash off FABRAY easily with soap and water. No streaks, no water-marks, no ground-in-dirt even at the hem where most handling occurs! And FABRAYS don't pinhole or crack—no clay-filling. Yet only 45c each for the full 36 in. x 6 ft. size. Be sure you get the *genuine* FABRAY shades. You can see them at your department store or 5c to $1.00 stores. Write for FREE set of color samples to CLOPAY CORP., 1250 Dayton St., Cincinnati, Ohio.

FABRAY Washable, Unfilled Window Shades

distance away to shade a chair placed beside the water. But there was still the cost! After vainly waiting for prosperity to land in my lap, I hauled gravel in a basket from a backwoods stream, transporting said basket on the bumpers of the car. This I screened through a discarded window screen, and then dug the hole for the pool bit by bit. In a burst of enthusiasm we bought the necessary cement and an obliging husband was bribed to do the actual mixing and pouring. Later I bought fish (three for a quarter) from a local pet store and by the second summer I had sixty-three babies. The parents had survived the first winter so well I assumed the youngsters could do likewise, but I was wrong. Most of them perished, so the next year I brought the fry into the house for the winter. Before long the fish in the pool became quite tame and would eat from our hands and follow me around the edges of the pool as long as I remained in sight. The baby especially enjoys feeding them (See page 37).

We have a few roses, started from cuttings, and some day we hope to have some really nice ones. As yet we have none of the much desired evergreens—except our annual Christmas trees, which now grace the garden. In short, we have none of the long-named miracles the writers exclaim about, but we *do* have a garden, charming to sit in, to play in, and to eat in. We have plenty of flowers to cut for the house and plenty to give away. Maybe some day we can order twenty dollar shrubs, and ten dollar iris, and thirty dollar waterlilies, and be nonchalant about it. But meanwhile we are really enjoying our half acre and getting as well as sharing a full measure of health and happiness from it.

Foam on the grass blades

HAVE you wondered about the frothy, white, bubbly masses seen often on stems and leaves of grass, occasionally on some annual and perennial flowers, and at times even on pines and junipers? Or have you accepted the explanation frequently offered by children (because someone once palmed it off on them) and also suggested by the rather descriptive term "frog-spittle"?

In either case the truth, as revealed in the accompanying illustrations, may interest you. Neither frogs nor toads are responsible, but rather the nymphs or larvae of tiny insect burdened by the scientific name Aphrophora quadrinotata, and commonly called by those who know it, spittle bug or froghopper. The adult looks some-

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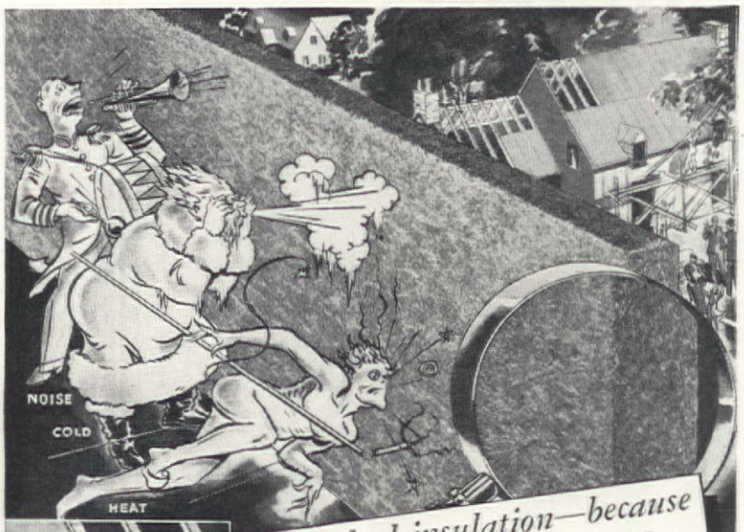

The ideal insulation—because it's made of natural wood fibres felted into solid boards

Fir-Tex Building Board
Insulate walls, floors and roof with Fir-Tex. Cut fuel bills, use a smaller, less expensive heating plant. Fir-Tex is really a super insulating material—besides being waterproof, vermin proof, highly fire retardent.

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Firkote stops heat and cold. A Fir-Texed home is much warmer in winter and much cooler in summer. Fir-Tex "Firkote" gives three times the insulation of shiplap boards and paper, which Firkote replaces at the cost of insulation alone. Termite proof, fire retardent.

Fir-Tex Ivrykote for Interior Finish
The mottled ivory surface of Ivrykote makes a beautiful interior finish without further decorative or coloring treatment, or provides an excellent base for other decoration. Ivrykote insulates as it beautifies.

● Let wintry blasts blow; let summer sun blaze down; let noises do their worst. You're perfectly comfortable and quiet in a Fir-Texed home, for Fir-Tex "kills two birds with one stone"—insulates and deadens sound both at the same time.

One of the most efficient ways to insulate your home is to use Fir-Tex as a plaster base. It is both lath and insulation, at the cost of insulation alone. Seals against outside heat and cold, stops noise, reduces plaster cracking and eliminates lath marks.

Fir-Tex is made from natural wood fibres, sterilized and felted into solid boards. Natural wood fibres have millions of sealed air cells in each square foot. These cells are preserved and millions more added by Fir-Tex "felting" process.

Ask your retail lumber dealer to show you the many beautiful effects which can be achieved with Fir-Tex as an interior finish. Send the coupon for illustrated catalog which shows the various types of Fir-Tex and interesting ways to use them.

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SUPER INSULATING BOARD
Insulates . . . Deadens Sound . . . Cuts Fuel Bills

Send for catalog showing the application of Fir-Tex as sheathing, finish, insulation, plaster lath, etc.

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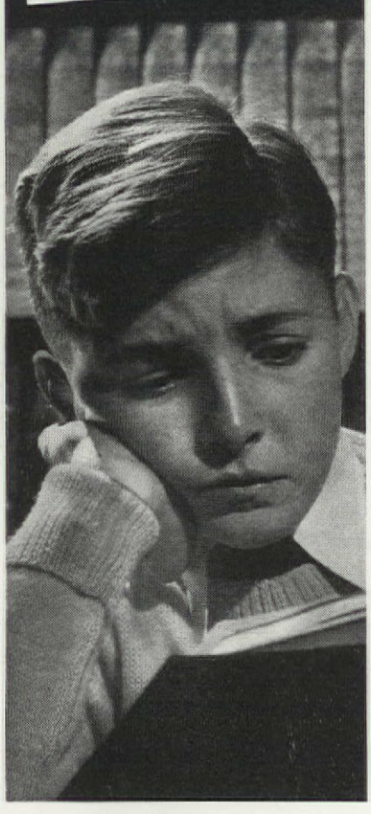
FOR TIRED EYES



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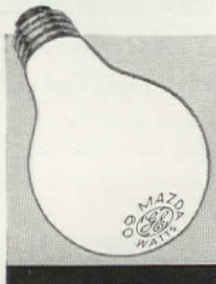

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FOR 60 WATT SIZES AND SMALLER

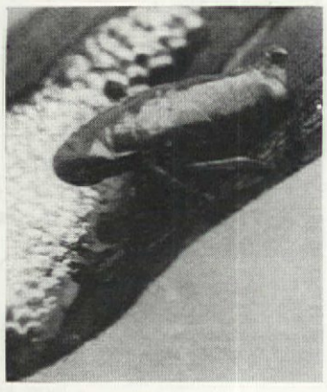
EDISON MAZDA LAMPS

GENERAL (GE) ELECTRIC

what like a broad, dull-colored form of the more familiar leafhopper and specimens can usually be seen sitting (or jumping around) on chrysanthemum plants during most of the summer.

The nymphs are green, soft bodied and of the rather indescribable shape shown below. To afford them protection against enemies, Nature has given them the ability to, first, secrete a colorless liquid and, then, by rapid, violent body contortions, whip it into the familiar foamy masses within which the little creatures hide themselves.

Except in the rare instances when the hoppers occur in great numbers, and may do a little damage by sucking sap from infested garden plants, these spittle bugs need cause no alarm and do not warrant control measures.

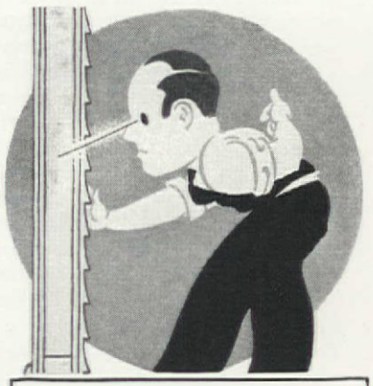


The spittle bug (greatly magnified), and its foamy, protective screen. Photographs taken by Dr. E. Bade

If any treatment seems called for, an application of an insecticidal dust containing derris is effective. Usually, they can be ignored or, rather, observed and appreciated as an interesting phenomenon and a further reason for that rather bromidic comment, "Isn't Nature wonderful!"

Dollar Ideas

NOTE: We are desirous of publishing the useful dollar ideas submitted by readers just as quickly as space will permit. But, due to the great number on hand, we must request that no more ideas be submitted until the supply has been used up, when we shall publish a request for more. We cannot enter into correspondence regarding material submitted, nor can we return rejected copy.



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● If you could look inside the walls of a house, you would *see* that moisture condenses there. And moisture, you know, ruins the effectiveness of insulation. For your comfort, and for the protection of your home, Balsam-Wool is DOUBLE-SEALED against moisture. It is also windproof, highly fire resistant, non-settling and termite treated. No wonder Balsam-Wool is a *permanent* investment in healthier, happier living!

For Summer Comfort —BALSAM-WOOL Attic Insulation

No need to swelter this summer—when it costs so little to insulate your attic with Balsam-Wool. This modern insulation stops heat at the roof line—guards you and your family from scorching heat. Application is quick and simple, and satisfaction is GUARANTEED. Mail the coupon for complete information.

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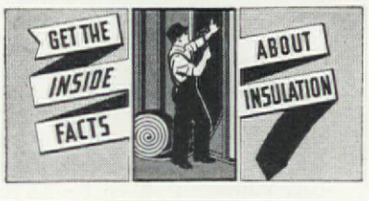

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Gentlemen: I want to know more about DOUBLE-SEALED Balsam-Wool for

☐ Attic Insulation
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City..... *State*.....

For loose screws

To tighten screw which continually works loose, remove the screw, dip the tip in glue and replace immediately, it will not work loose again. MRS. O. R. PHINNEY, Ticonderoga, N. Y.

When making gravy

To brown gravy place one or two bouillon cubes in a pan of gravy. This not only gives a lovely color but improves the flavor as well. MRS. H. S. LEWIS, Fond du Lac, Wisc.

To flour chicken

In flouring chicken place the flour, salt and pepper in a paper bag, then drop in the pieces of chicken one at a time and shake mixture on them. This method covers the entire piece with a uniform thin coat of flour—and is much easier than rolling the chicken in flour. MRS. A. CHAMBERS, Cincinnati, Ohio.

Putting in elastic

I have discovered a simple and quicker way of putting elastic in a garment. Before removing the old elastic, fasten to it one end of the new with a small safety pin, then in drawing out the old you automatically pull in the new. MRS. R. L. FRALEY, Toledo, Ohio.

Preserving brooms

To preserve brooms, dip them into boiling soapsuds for a few minutes once a week and they will become tough and pliable and last longer. MRS. J. L. MORRIS, Berkeley, Calif.

For more whipped cream

If you have not enough whipping cream use with it a stiffly beaten egg white. This will increase the amount without changing the whipped cream mixture. MRS. C. J. SWEENEY, Spring Valley, Ill.

Brightening kitchen utensils

If you have a collection of various colored or marred handles on your kitchen knives and forks sandpaper them lightly, then paint them any bright color you wish. When dry, give them a coat of varnish which makes them impervious to water. MRS. A. A. MARRS, Kansas City, Mo.

Bright flames

To bring out beautiful colors in your log fire, use a yard length of your tarnished Christmas tree tinsel. This brings out a lovely blue, green and purple light—and a little goes a long way, too. MRS. HAROLD H. CLUM, Chappaqua, N. Y.

Protect your dishes

When you wash your best dishes and put them away for

your next company, try wrapping the stacks of plates, saucers, etc. in Cellophane. Its transparency enables you to see what is in the stack, and you will not have to wash them when ready to use next time, as it keeps out the ever gathering fine dust. MRS. EDWARD WEBB, Nashville, Tenn.

Wobbly candles

If your candles wobble in their holders, try putting an elastic band several times around the end of the candle. This works much better than stuffing the holder. MRS. E. E. LENT, Toronto, Ont., Can.

A sewing hint

To avoid stretching seams that are slightly gored in sheer fabrics, lay a strip of paper under them when stitching. ETHYLE M. SMITH, Uniondale, Susq. Co., Pa.

Sugar in the bread box

If you will keep your package of brown sugar in your bread box, you will not only prevent the sugar from becoming hard—but will keep your bread moist as well. MRS. HARRIS B. HASKELL, Leicester, Mass.

A bag for the grinder

When grinding crackers, hard bread, nuts, etc. in your food chopper, place an ordinary paper bag over grinder letting ground food drop into bag, thus preventing crumbs from flying onto table and floor. MRS. J. H. MCGARRY, Providence, R. I.

Why lick stamps?

An easy and pleasant way to seal letters and apply the stamps is to keep on hand a mucilage bottle (one with the rubber grip top) filled with water. This supplies the necessary moisture for sealing and there is no "licking" necessary. MRS. A. J. LANG, Jersey City, N. J.

Tea leaves for burns

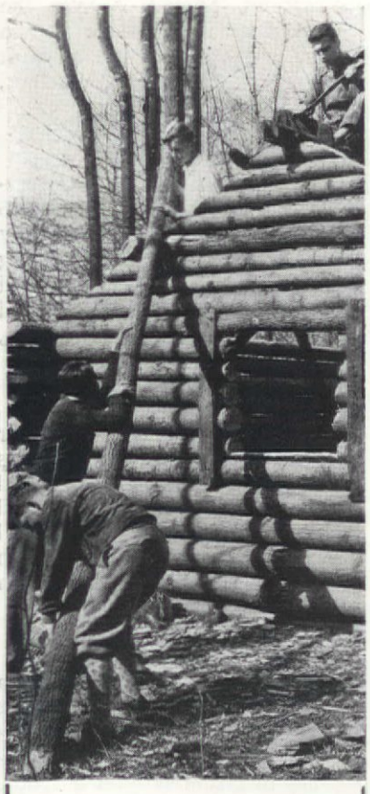
Damp tea leaves are a good remedy for burns. Apply the wet leaves to the burned spot and bind on with a dry cloth. The tannin in the tea gives great relief. JUDITH BASKERVILLE, Appleton City, Mo.

Do your windows sparkle?

For sparkling windows, first wash windows with warm, sudsy water. This removes all smoke and greasy film. Then rinse with ammonia or vinegar water, wipe dry and polish. MRS. G. F. FITZGERALD, Olean, N. Y.

For boiled potatoes

When boiling potatoes add one tablespoon of milk (sweet or sour) to the water in which they



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Yes, this Fairbanks-Morse Automatic Coal Burner does *all* these things and gives you a handsome saving at the end of the heating season.

The cost is extremely low! No tanks, pumps, or special chimney lining to buy—no long list of special and necessary "gadgets" to run the price up. Installation completed without cooling down the house.

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Complete range of sizes for homes, apartment and public buildings, and factories

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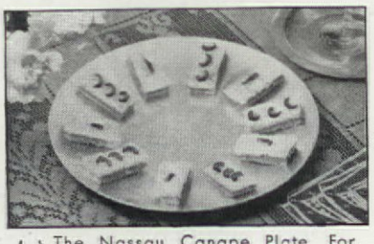
The Dover Bread Tray. Decoration in repousse. Length, 13 inches. $3.75.

Looking for gifts for the June bride, the '37 graduate?

Here are some Kensington Suggestions



The Nassau Canape Plate. For cocktail canapes, for sandwiches and fruit. Diameter 10 inches. $3.50.

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are to boil. This small amount of milk prevents them from taking on that grayish look while cooling on the table. Mrs. Lottie Putnam, Webster, Mass.

Salads and desserts

For individual gelatine salads or desserts, use fluted paper baking cups set in muffin pans. When set the paper cups can be removed very easily leaving perfect molds. Mrs. W. F. Hannaman, Mason City, Iowa.

Repairing blankets

Blankets which are worn through in the middle can be made to last much longer by tearing down through the center and sewing the selvedge edges together, first with an ordinary seam and then sewing flat. Then run a narrow hem down the sides, after trimming away all ragged and worn parts, and you will find, if the work is done neatly, your blankets will be as good as new. Mrs. E. M. Sharp, Mill Creek, Indiana.

Peeling potatoes

I find that I can peel hot potatoes quickly and without burning my fingers if I use a strawberry capper instead of a knife. Mrs. L. C. Hagan, Swarthmore, Pa.

Refrigerator tray

If the wire mesh shelves of your refrigerator are woven in large squares so that small glasses, etc. are easily tipped over, insert an inexpensive tray, just the size of the shelf. This provides a smooth, steady surface and may be removed and replaced with ease. Mrs. C. E. Hinds, East Orange, N. J.

Skinned tomatoes

I prefer to skin tomatoes before using, but I also want to serve them very cold. So I have found it very satisfactory to scald all tomatoes when they are delivered from the market, then pour cold water over them and cool. Then I put them in the hydrator of my refrigerator until I am ready to use them. The peels come off very easily and the tomatoes are ice cold. Belle Adams, Milwaukee, Wisconsin.

Meat garnish

For a pretty and unusual meat garnish, tie tiny sprigs of parsley with grass ribbon bows, and put beside each plate one of these and a pickle fan, made by slicing pickle in thin parallel slices to bottom of pickle, but not all the way through, and spreading fanwise. Mrs. Hugo Gersten, Harmonsburg, Pa.

Removing stains

To remove stains from polished wood, trays or tables, caused by heated dishes, a thin paste made from salad oil and salt is very efficacious. Spread it over the marked area and leave for an hour or more, then rub off with a soft cloth. Anne Marichak, Westfield, Mass.

How Clever!

-why this invention makes my

CASEMENT WINDOWS

insect-tight and twice as convenient!

Just turn the handle and the WIN-DOR Operator opens the window—without moving the inside screen

Why put up with flimsy fasteners, awkward sliding rods or other old-fashioned hardware? The Win-Dor Operator opens your casements as easily as you work the windows on your car. You just turn a handle—and it works *through* the screen, so no insects come in! Strong, locks securely in any position—and inexpensive, too!

• Insist on WIN-DOR Hardware for STEEL or WOOD Casements. There is nothing else like it. See your Hardware or Window Dealer for a demonstration.

Makes casements open outward—no interference with drapes.

Operates casements THROUGH THE SCREEN—the latest idea!

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FITS ANY CASEMENT . . . ANY PURSE!

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"THINGS YOU OUGHT TO KNOW ABOUT CASEMENT WINDOWS"

The Casement Hardware Co., 402F No. Wood St., Chicago. Please send your Book 402F. I am interested in operators for:

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Ironing helps

Materials such as silk, seersucker and others which stick to the iron may be pressed easily by placing a piece of plain wrapping paper over the material and pressing with a moderately heated iron. Lillian N. Dale, Wallowa, Oregon.

To darken molasses

When I use molasses for ginger bread, spice cakes, and cookies and it is not dark enough, I add two tablespoonfuls of melted chocolate to it. This will darken molasses and will also give it a nice flavor. Miss Anna R. Balsamo, Dayton, Ohio.

Butter for sandwiches

When making sandwiches in a hurry, instead of waiting for the butter to soften from its rock-like refrigerator state or struggling to cream it with a spoon, use a pastry blender. Butter is thus quickly reduced to the proper consistency for easy spreading. Mrs. Edward B. Ham, New Haven, Conn.

Dress covers

When my pillow cases are worn out at the corners and seams I make them into dress or hanger covers. Shape the top to fit the hanger (make it the exact size of hanger if to be used as a hanger cover—larger if to be used as covers). E. A. Baltes, Milwaukee, Wisconsin.

Using blotters

Large blotters, which may be bought quite cheaply or which many commercial firms give away, make fine pieces to place under small table cloths. Small blotters are fine under hot dishes or children's plates. Any liquids spilled are quickly taken up. Jean McCaleb, Safford, Arizona.

Cleaning walls

A good solution for cleaning painted walls is 1 cup vinegar, 1 cup of kerosene and 1 cup of hot water. Mix together. Apply with cloth and wipe dry with another soft cloth. Mrs. D. A. Jamie, Seffner, Fla.

Our hodgepodge department

[*Continued from page 44*]

discourage unauthorized changes by others. When, in the course of years, the mower becomes unduly vociferous, the trouble shooter's best bet is to suspect the gears

HOW ENJOYABLE

When modernizing your home, or building a new one — provide porches which overlook lovely lawns and charming gardens. Wonderful outdoor living rooms and sleeping porches that make life more enjoyable. Add smartness — and other advantages — with

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How nice they look! How well they keep out sun-glare and heat. Colorful, durable Aerolux Porch Shades provide privacy, protect furnishings from the weather. Best of all, their cost is remarkably low for the years of added enjoyment they provide. See Aerolux Porch Shades at leading furniture and department stores — or mail the coupon.

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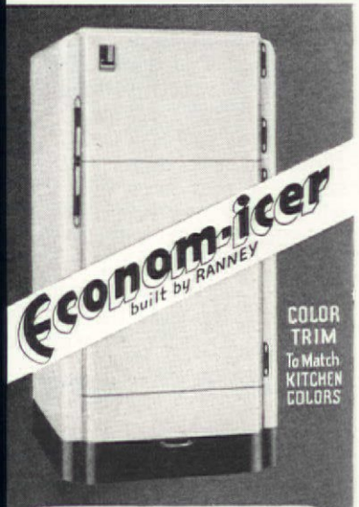

There's a new *Econom-icer* washed-air ICE refrigerator to fit your kitchen . . . and your budget. Twice the refrigeration at less than half the cost. See *Econom-icer* now. Your local dealer's name on request.

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Please send me your FREE booklet, "COLOR IN YOUR KITCHEN," showing model kitchens in color, also delicious frozen dessert recipes.
NAME.....
STREET.....
CITY..... STATE.....

which can be renewed for a few cents; the installation of the replacements is very easily done by the owner.

One of the amusing eccentricities of the mower industry is that some manufacturers, whose product is equipped with ball-bearing cutter reels so constructed that they are practically immortal, persist in issuing instruction sheets which tell the purchaser how to take up any looseness which may develop in them. Consequently, if and when any portion of the mower's anatomy sets up a squawk, the first thing that the owner does is to attack a perfectly good bearing instead of going after the gears.

Some manufacturers recommend half hourly applications of oil. While this may be on the liberal side, it is, indeed, a good idea to let the oil can accompany the mower whenever it goes out of the tool shed. Even if one does give unnecessarily heavy doses of lubricant, a lawn mower will never earn one a ticket by smoking. A hard wood toothpick which will not splinter is an effective aid in opening up earth-clogged oil holes. An occasional massage with an oily cloth will keep blade edges from rusting. And a valuable accessory in the mower garage is a whisk broom with which to free the machine from dirt and wet grass clippings after it has done its daily- or weekly-stint.

And—have you a "loan mower"?

But all the above will avail little if one's carefully manicured grass chopper is permitted to become community property. For the kindly individual who cannot say "No," there is a very practical way out. It is one of those cute little twelve-inch, three-bladed affairs whose narrow cut necessitates an amazing number of trips back and forth, and which produces an effect resembling a barber school hair cut. It costs very little and is most excellent for loaning purposes.

Lilies—start them now for next year

[*Continued from page 27*]

vanced, sow the seed in a cold frame, or make a seed bed in the open ground, choosing a sunny or partly shaded, well-drained spot. Ground sloping to the southeast is ideal for the purpose.

In making a seedbed, whether outside or within the cold frame, make sure that there is a good six inches of fairly rich, friable soil on top. But "richness" here does not mean the use of manures of any kind. Leafmold, sifted compost, or prepared humus, as sold

. . . the mattress that FEELS so good!

SPRING-AIR offers you a choice between the modern Inner-spring mattress of conventional style, and the easy-to-handle 2-layer Outer-spring type. Both types contain the guaranteed Karr Sleep Unit; only the Spring-Air mattress can give you this remarkable spring construction with its bona-fide written warranty. We stress this point, because the exclusive Karr Sleep Unit is the underlying reason why Spring-Air is recognized as America's finest mattress. It is the primary reason why people everywhere pay Spring-Air the highest tributes ever accorded to any mattress.

You, too, should be enjoying the comfort that only Spring-Air can give; then, with the thousands of others, you'll say, "Nothing can take the place of my Spring-Air — it FEELS so good!" See the smart new models now on display at better stores, from $24.50 to $45.00.

All bedding manufacturers share the right of making both types of modern mattresses — Inner-spring and Outer-spring. Yet nine out of ten Outer-spring mattresses in use are Spring-Air! Why? Because the records made by ALL competing spring units in this direct, out-in-the-open comparison prove the unquestioned superiority of Spring-Air's guaranteed Karr Spring Construction!

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STEVENS HOTEL, Chicago, one of hundreds of famous institutions using Spring-Air mattresses. You will always find that experts buy what experts build.

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Everything your refinisher needs for fine repainting and touch-up work is made by du Pont. And everything *you* need to protect that finish and keep it beautiful is found in the famous du Pont No. 7 line of polishes, waxes, cleaners.

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by the bag, is the best food for lily seedlings. In heavy soil, porosity or friability are gained by adding builders' sand or sifted coal ashes. An excellent formula for seedbed soil is two parts loam; one part leafmold, sifted compost or prepared humus mixed with an equal part of peat moss; and one part builders' sand or sifted coal ashes. Spade the mixture over several times, then rake it fine and level. This will give a raised bed, which means good drainage, and, as is often stated, good drainage is the first essential of success in raising lilies. The deep (six-inch) seedbed is necessary because, in the Northern half of the country, it seems best to leave the lilies in this bed for two growing seasons.

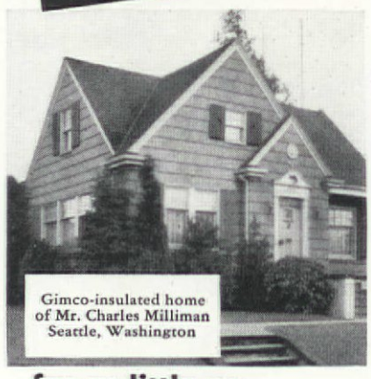
Edge the outdoor bed (which should not be over four feet wide) with boards wide enough to be bedded firmly in the ground and to project three or four inches above the level of the soil surface. Their function is to keep soil and seeds from being washed away during heavy rains; they also furnish support for a lath shade cover in summer, as well as a burlap-covered framework during the period of germination.

With the seedbed made, broadcast the seed and cover it about

Lilium concolor bears its dainty, vermilion, star-shaped blossoms turned upward

one half inch deep. Water the bed thoroughly and thereafter make sure that it does not dry out at any time before the seed comes up. If you are using a cold frame, close it; and if there are glass sash, lay paper or other material over them to exclude the light during germination. Over the outside bed use a single thickness of coarse burlap stretched tightly and tacked to the top of the vertical boards all the way around. Watering is done right through the burlap. This covering helps the bed to hold moisture and hastens germination. If there is a night temperature of about 60 degrees the seeds will come up in about two weeks; in cooler weather they may take five or six weeks. The burlap is removed (or the paper taken from the sash) as soon as

GIMCO ROCK WOOL
makes a home like this
Up to 15° cooler
in Summer..



Gimco-insulated home of Mr. Charles Milliman Seattle, Washington

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Where else can you buy so much comfort for so little money? Gimco keeps your home up to 15° cooler during the hottest weather... provides restful comfort all day and refreshing sleep at night. Yet, it costs little more each day than you would pay for a cooling drink. Low cost, plus liberal terms with *no down payment puts Gimco* insulation within reach of *every* homeowner.

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LASTING PROTECTION

Gimco's efficiency is unsurpassed by any other building insulation. It is as permanent as the house . . . won't decay, pack down or dust out. It can be installed in *any* home, old or new, regardless of size or type of construction.

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MAIL COUPON FOR FREE BOOK

NEW BOOK entitled "Better Living," tells how *you* can enjoy greater comfort summer and winter.

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Dept. G, Alexandria, Indiana
Yes! Send me at once, your Free Book entitled "Better Living."

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most of the plants seem to be up, which will be ten days to two weeks later. Then give the seedlings all the sunshine possible. When watering becomes necessary, do it in the morning of bright sunny days and aim to keep the surface of the soil dry a good part of the time to prevent mildew and damping-off.

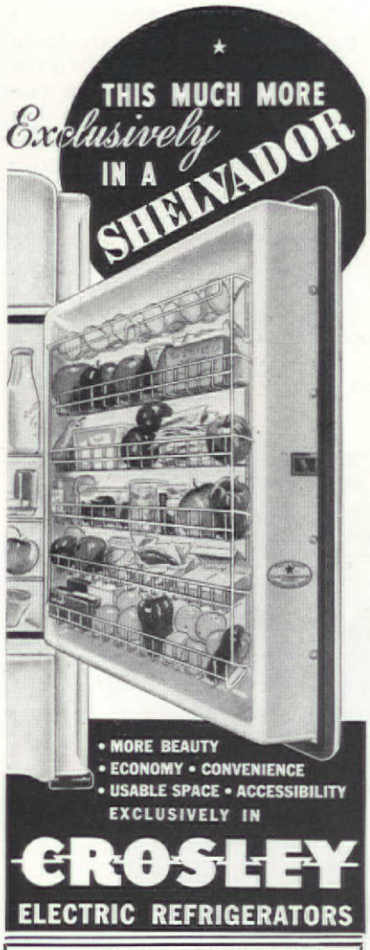
Toward the last of June make a lath cover for either frame or outdoor bed to protect the tender seedlings against too much burning sun and drying winds. Nail the laths their own width apart to a light frame. These covers help amazingly in reducing the temperature and keeping the soil moist within the frames. Keep them on during sunny days and remove them in cloudy or rainy weather.

An adequate supply of moisture over the summer is most important. For seedlings of the philippinense species this means a great deal of water; for all kinds it means more than is needed for the average run of seedlings. In very hot, dry weather it may be necessary to water twice a day, for if the foliage of these young lilies wilts and dries up, the bulb quickly disappears. On the other hand, particularly with the tenuifolium varieties, too much water soon rots the bulbs. Watering requires care and study.

South of the Mason and Dixon Line, and in such favored locations as the West Coast, carefully dig these little bulbs early in October and transplant them to a well-drained bed of good soil. Carefully adjusting the roots, surround the bulbs with sand, setting them a good three inches deep. Mulch about two inches deep with leaves, straw, or peat moss in sections where the winter brings freezing and thawing. It will help the growth of the lilies over the summer to leave the mulch in place.

In the North, as the weather turns cold, cover the beds with two

Lilium cernuum, a relative of the coral lily, has pale pink flowers spotted wine-purple



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At your 5c and 10c store, grocery and neighborhood store. Or send 10c to Clopay Corp. 1222 Exeter St., Cincinnati, O.

inches of good soil; cover this with a six- to eight-inch mulch after the soil freezes. Freezing, where bulbs are well established, is seldom detrimental to them.

The second growing season will show some bloom on all varieties. The philippinense lilies will bloom the most freely of all. The second fall the bulbs will be ready to set in their permanent positions. They generally increase in size and beauty in perennial borders, where the soil is a good porous loam, and where there is a ground cover of the less vigorously growing perennials. Set the bulbs at a depth equal to about three times their height. As already noted, a mulch is recommended. After it is in place, dreams and delightful visions are in order.

The lilies named at the beginning of this article by no means exhaust the list of kinds easily raised from spring-sown seed. There is, for instance, the golden orange sport of the coral lily, called Golden Gleam. Although not as outstanding in color, it is an even easier lily to raise, having a more vigorous constitution. L. cernuum is also allied to the coral lily, except in its color which is a dainty pale pink with wine-purple spots. It is rarely seen although, in my experience, extremely amenable to cultivation. Seeds germinate close to 100 per cent and the bulbs are very healthy. Many crosses made with L. regal have given forms resembling that species but, since they bloom later, extending its season. L. princeps bears magnificent white trumpet blooms and there are also pride of Charlotte and Shelburne Hybrid. All are easy to handle and come fairly true from seed. They are especially free from disease, vigorous, and bear blooms of an unusually fine substance.

In the yellow, red, and orange lilies (often the most satisfactory of all) are L. amabile, like a low growing tiger lily, but of better color and substance; L. concolor, a dainty vermilion colored species with star-shaped, upturned flowers; and L. henryi, one of the outstanding lilies today, doing well under almost any conditions. Its flowers are shaped like the speciosums, but orange apricot in shade, and borne in July and August. Finally there is L. Willmottiae, an exceedingly dependable kind with flowers of a vivid orange-red shade, and vigorous and easy to grow.

To those living south of the Mason and Dixon Line I would like particularly to recommend the Easter lily (Lilium longiflorum giganteum). Entirely hardly in the coldest section of Virginia, and excellent in both germination and habit of growth, it is one of the finest lilies for the border. Plants grown outside are far superior to those which are forced in greenhouses especially for Easter.

Married Six Months... THOUGHT SHE WANTED OFFICE JOB BACK, AND THEN . . .

Sprinkle a little Old Dutch on the back of a plate and rub with a coin. You'll hear no grinding or grating for it is free from harsh, scratchy grit. Make the same test with ordinary cleanser and note the difference.

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"AND THEY SAY IT'S LOVELY SILVERWARE. I'LL SEND FOR SOME."

Combination Offer! **THIS ATTRACTIVE MAYONNAISE LADLE *and the* SMART JUNIOR SERVING FORK.** Use ladle for mayonnaise, French dressing, dessert sauces, whipped cream, Tartar sauce, etc. Use Junior Serving Fork (it is 6½" long) for Buffet service, appetizers, olives, pickles, cheese cubes, etc. This offer limited to present supply. Get other lovely Wm. A. Rogers A-1 Plus Quality Silverware, made and guaranteed by Oneida, Ltd., for about ⅓ retail price in the smart "Croydon" pattern. See coupon.

$1.50 VALUE 50¢

OLD DUTCH CLEANSER, Dept. S329, 221 N. La Salle St., Chicago, Ill.
I am enclosing_____windmill panels from Old Dutch labels (or complete labels) and_____¢ for which please send me

☐ Ladle and Fork	☐ 3 Oyster Forks	☐ 3 Tablespoons
☐ 6 Teaspoons	☐ 3 Oval Soup Spoons	☐ 1 Cold Meat Fork
☐ 3 Butter Spreaders	☐ 1 Dinner Knife and Fork	☐ 3 Salad Forks
☐ 1 Gravy Ladle	☐ 1 Butter Knife and 1 Sugar Spoon	

You may order any one of these units or as many as you like. Remember, each unit requires 50¢ and 3 windmill panels from Old Dutch labels (or complete labels). Offer good only in the United States and Canada and expires December 31, 1937, except Ladle and Fork offer which is limited to present supply.

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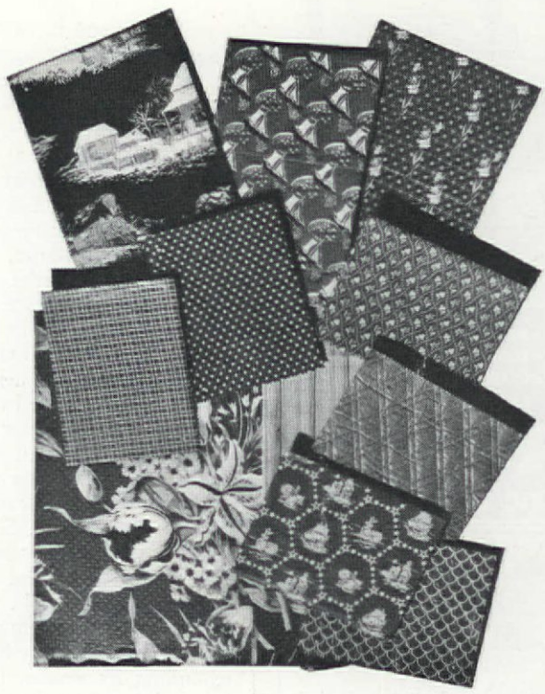
★ FINE FURNITURE SINCE 1826 ★

If you would like a long succession of lilies in your border, try as many different kinds from seed as you can. It is the cheapest, as well as the best, way to find which ones you like and which thrive best under your climatic and soil conditions. You will not find seeds of all the sorts mentioned in the general seed catalogues. But they, and others too, can be purchased from commercial lily growers, and merchants listing the rare seeds.

The warning might well be given here that not all lily seed is successfully sown in the spring. The species auratum, rubellum, martagon and speciosum and such native lilies as canadense, pardalinum, humboldti, washingtonianum, and superbum require fall or winter sowing for really good growth.

"Blues" are cool and crisp

[*Illustrated on page 39*]



Beginning at top, from left to right:

A scenic designed after Currier and Ives makes this glazed chintz ideal for hangings in an Early American room in winter as well as summer. While the ground is blue, the scenes are in rich colors of red, yellow, green, brown, and white.

Red boats and white sails on a blue glazed chintz ground for the seashore cottage, Cape Cod room, or a boy's "nautical" room.

This summery looking print with its perky white flowers and grass green leaves would find itself at home in almost any room in the mountain or seashore cottage.

Center, left to right:

Slip-covers of plaid are interesting for the occasional chair and usable with patterned and plain chintz. This would also make good covers for French Provincial dining chairs. Curtains and covers could be used to good advantage in a recreation room and playroom too.

White stars on a blue ground combined with plain blue or white glazed chintz (wide bands or ruffles) would make adorable summer hangings and dressing table skirt for a young girl's room.

Stripes are smart this season and are used for hangings as well as slip-covers. A real slip-cover fabric, the one shown directly in the center, is certified. Nice for a modern room.

A quaint pattern similar to a calico print that is so hard to find is "just the thing" for the old-fashioned room with hooked rugs and provincial furniture.

Perfect for bedspreads and upholstery is this quilted glazed chintz which is available in many plain colors.

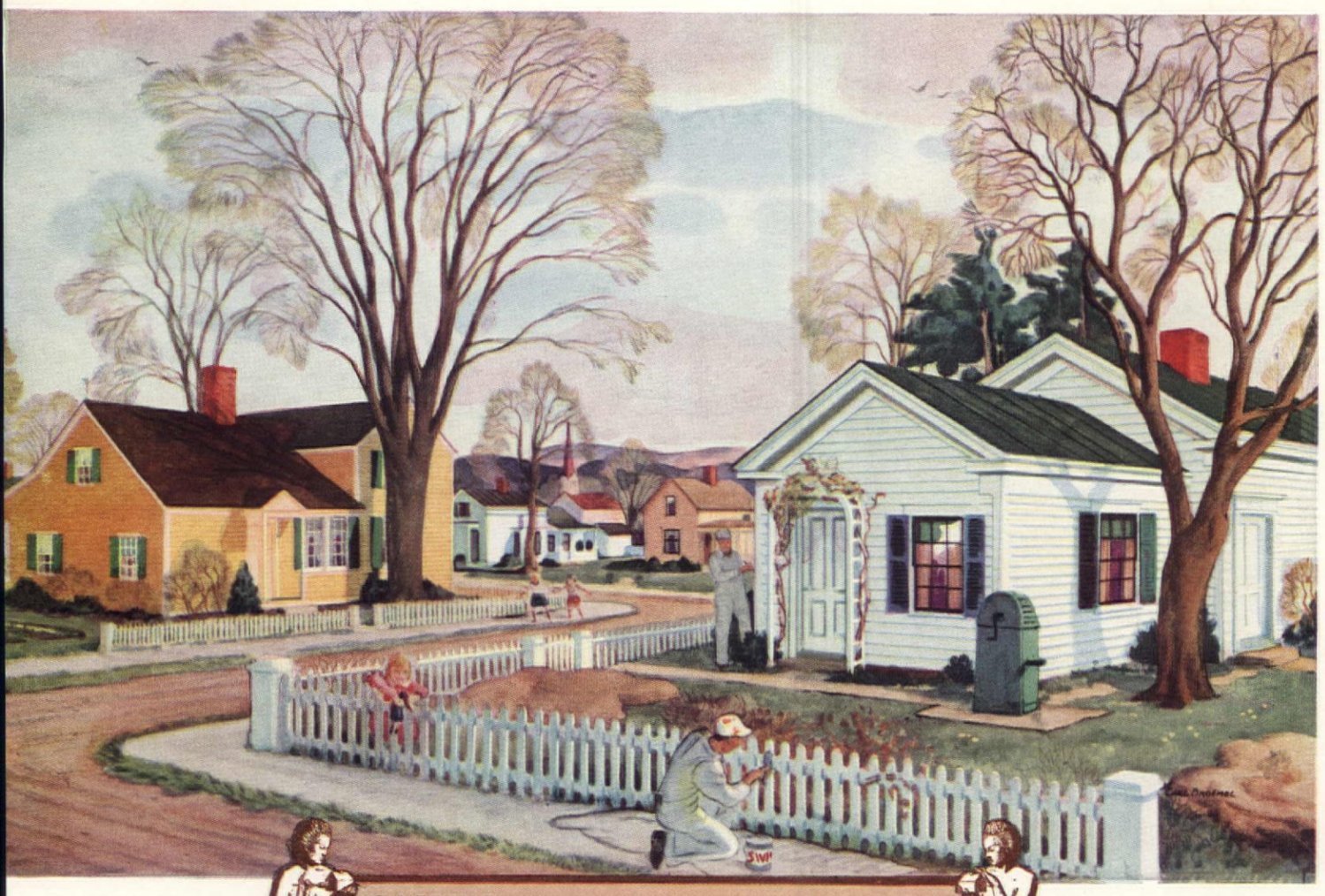
Bottom, left to right:

Hangings and one piece of furniture slip-covered in this handsome flowered fabric, one or two pieces done in a plain color, and another in a stripe would make a charming summer living room.

The Landing of the Pilgrims, old spinning wheel, and sailing vessel makes this fabric ideal for an Early American room.

Another pattern adaptable to many uses suggests slip-covers and dressing table skirts for a summer guest room—swag design.

All fabrics are from F. Schumacher & Co., with the exception of the stripe in the center which is a Marshall Field & Co. number.



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PROTECTION

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A simple question, briefly answered—*SWP goes steps further to give homeowners each and every thing they want in a highest quality house paint!*

There's *beauty* . . . smoothness and richness of finish . . . *SWP* has it *plus*. Its white is whiter . . . its colors brighter, more permanent.

There's *protection*, complete . . . lasting. *SWP* has a tougher film of unequalled durability.

And there's *economy* . . . *SWP* covers more surface per gallon and covers it better. Further, it's quicker, easier to apply . . . cuts painting time and labor. And its *washability* can save you at least one repainting!

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Smartest side walls are "double-coursed"—deeper shadow lines—longer life—added insulation.

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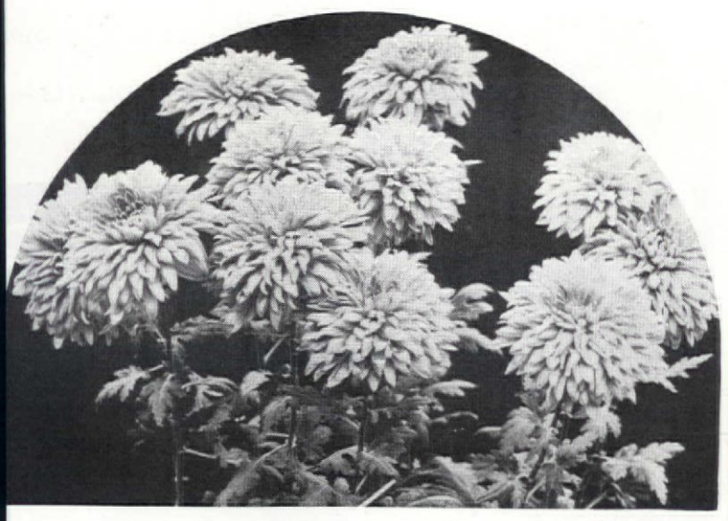

Large-flowered or "florists" chrysanthemums, the author means—such as the variety Thanksgiving Pink, above

You, too, can raise them

. C. HARRINGTON

You have often seen them in the late fall, gazing brilliantly rom florists' windows, nodding enignly from the garden of your irt-scratching rival, or offered r fifty cents apiece to be worn a football game.

It is to the giant chrysanthe-um that I am referring; the rysanthemum whose gaudy ellow, orchid, or white bloom easures six or eight inches ross. What garden enthusiast, ith the least trace of pollen in s or her veins, does not harbor secret ambition to raise such auties? And it is easy to do; r easier than the successful cul-re of many of the other plants er which you labor so patiently.

If you have this ambitious idea mind, the time to get started now—in the spring, around emorial Day. At this period, e new shoots are eight to ten ches high and ready for sep-ating which is done by digging e roots and cutting them so that ch shoot will have a good por-n of the root system.

So, in the early spring, beg om your florist or gardener end, steal, or else buy some ttings of a *large* variety of rysanthemum; for instance, olonel Appleton. The chances e that you will find yourself in ssession of several clusters—ch a long root from which anch several shoots. The thing do is to separate these shoots, king care that each bears a od section of split root and nty of root hairs.

After the shoots are all sepa-ted, they should be planted ut ten inches apart, the roots ng covered with two inches of od, porous earth. A small ount of fertilizer may profit-y be worked into the soil htly below the root level. As n as they are planted, water them. You will find that chrysanthemums, especially right after replanting, require more water than a duck.

The hardest work is now over. But keep the plants well watered. For several weeks they will appear to be the sickest looking plants you ever saw. Leaves will droop and stems will bend as though in the last throes of winter death. Restrain any impulse you might have to pull them out and plant zinnias, for they are doing finely, all their progress being made under the ground. Just keep them watered. Suddenly, almost overnight, they will take on new life and you will have a row of vigorously growing plants with which you can hardly manage to keep up.

Through the summer the ground must be kept well cultivated, for these plants will need all the strength that the soil can provide. During this growing period it is well to add a small quantity of a mixture consisting of one part bonemeal, one part cow manure, and one part high grade fertilizer—such as a 5-8-7. Twice during the summer will be sufficient for proper growth.

In no time at all the plants will be shooting up to such a height that they will need tying. Do this, making adequate provision to permit retying as the plants increase in height. Some large varieties grow only a couple of feet high, while others—Colonel Appleton being one—grow to five and six feet—and need constant retying.

As the plants grow, new shoots start out from the main stalk. If allowed to mature, these shoots will each bear blossoms of their own. In order to secure large flowers it is necessary to pinch these shoots off as fast as they form, grooming only the main stem for the final flower. Remove the shoots promptly so as to con-

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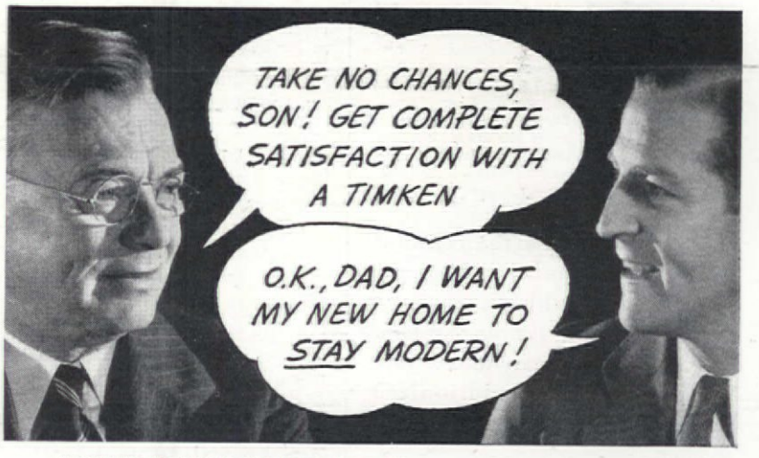

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NORFORMS

© N. P. C. 1937 Known to Physicians as "Vagiforms"

centrate all the vitality of the plant in the main stem and its bloom, instead of distributing it among many flowers.

In the fall this one stem will produce at its apex a cluster of five buds. The four outside ones are then carefully peeled off, leaving only the center one to mature. Other buds may also appear at the scars where some of the side shoots were pinched off and these should likewise be removed immediately.

At this budding period it is wise, though not necessary, to work about one teaspoonful of nitrate of soda into the soil around each plant, taking care that it does not touch the stem. This gives the plant a final burst of vitality which will be utilized in the forming of the single flower and make it radiant.

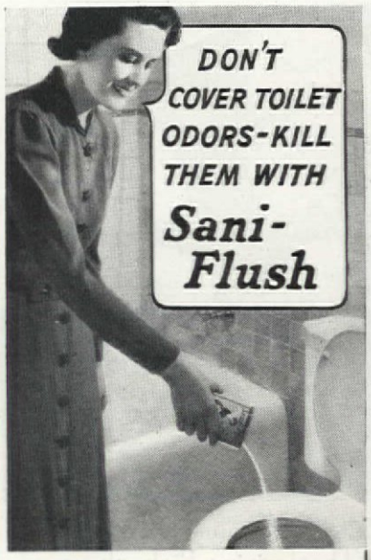
Once the bud is formed the flower quickly follows, gradually opening until it reaches astounding proportions that will gratify any gardener. Make certain that the stems of the plants are adequately tied up, for these flowers are heavy, especially after a rain, and it is most disheartening to find a gorgeous bloom broken off and lying in the mud.

As most of these large varieties bloom late in the fall, they must be protected from the frost. A light wooden framework over which some old burlap bags can be stretched above the flowers, will prevent them from turning a disgusting brown after the first touch of cold weather.

In the winter the roots may be forgotten. The stems should be cut off after the flowers are removed, and the new shoots, found peeping through the ground, covered with corn stalks or anything that will offer a protection without smothering the plants.

The following spring, your troubles will begin, for friends, neighbors, and even strangers will be begging you for roots when transplanting time comes around.

One allowed to grow naturally with many flowers; the other disbudded so as to bear but one large bloom



A clean toilet never smells. It's never necessary to use scented disinfectants to end the annoyance of toilet odors. Just clean the bowl with Sani-Flush.

This scientific powder is made especially to do this job. Shake a little in the toilet. (Follow directions on the can.) Then flush, and stains vanish. The porcelain gleams like new. The hidden trap that no other method can reach is purified and safe. Sani-Flush saves rubbing and scrubbing. Cannot injure plumbing. *It is also effective for cleaning automobile radiators (directions on can).* Sold by grocery, drug, hardware, and five-and-ten-cent stores—25 and 10 cent sizes. The Hygienic Products Co., Canton, Ohio.

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Taller, easily grow western plants

IRA N. GABRIELSON

ONE of the most easily gr of the native Gentians, calycosa is also America's standing member of this ari cratic family. The big, velv blue trumpets are produced si at the end of the leafy branc and a well-established plant unfold a score of them. It requ good drainage about the cro but like most of its relatives an abundance of water and soil to bloom well. This lo flower should be in every gar

Not only is Iris gormani most beautiful of all native n western Iris, but it is also paratively easy to grow. The yellow flowers, each petal spl with golden orange, are c well above the grassy foliag requires some shade in hot e ures and at least a mod amount of leafmold in the It is probably only a color of I. tenax, but it most cer is an outstanding garden no

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A.P.W.
Satin Tissue

As it becomes better known, Pentstemon cardwelli will undoubtedly win a front rank position among all dwarf evergreen shrubs. It produces an enormous number of pale lavender flowers in June and again in the fall, in many seasons. The balance of the time it is a good compact evergreen shrub; easily grown if given good drainage and full sun.

Pentstemon procerus grows well in any good garden soil. The good compact forms produce dozens of twelve-inch stems, each carrying whorls of deep blue flowers in the leaf axils; they become leggy if too well fed. Below, the attractive white plumes of the Goat's Beard, Aruncus aruncus overhang many of the mountain trails; requires shade, a soil rich in leaf mold, and moisture.

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- ★ Silent as a whisper
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YOU'LL put a ring on her finger—but, will you put a shovel in her hand? Perish the thought! Yet every year, thousands of women—and men, of course, too—endure the drudgeries of coal shoveling, grate shaking, ash hauling . . . needlessly!

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The new Sealy Rest has deep layers of foamy felt . . . the sturdy Durolife innerspring unit . . . and a tuftless sleeping surface smooth as satin.

PLUS *Nukraft!*

—the honeycomb air-cushion, developed by the B. F. Goodrich Company and exclusive with Sealy in bedding.

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You'll never feel the coils through Nukraft, the ideal innerspring insulator. Nukraft also adds hundreds of "breathing" air-channels.

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Mattresses—Springs—Studio Couches—Sofa Beds: $22.75 to $150

Dodocatheon latifolium when disturbed frequently breaks up into numerous root cuttings which promptly form small plants which may require several seasons to reach blooming size. Especially fine for naturalizing in the edge of open woodlands.

The most easily grown western

Anemone, Anemone deltoidea. Given shade and a soil rich in leaf-mold it asks no more. The big, pure white blossoms, light up the low-lying woodlands of western Oregon and Washington in May and June. Scattered through the white forms are occasional individuals showing delicate lavender or pink, many of which retain their colors in cultivation.

Wall gardening

[*Continued from page 41*]

vary with the chances for the roots to reach other sources of soil. Generally only enough soil to encourage the roots of the plants to grow toward the bank need be provided. A layer of sandy gravel between the wall and the bank insures drainage and lessens the danger of the stones being disturbed by frost action; at the same time it provides a moist medium which is very favorable for root growth.

Space the plants sufficiently far apart so the wall will not be entirely covered or hidden. The beauty of a wall garden is lost if the rocks are too greatly obscured by the plants. Let the rocks predominate and serve as a background for the flowering plants.

It must be remembered that this form of gardening is artificial. However, if one realizes the obstacles involved and does his best to duplicate natural conditions, using plant materials that have a preference for such conditions, he is well on his way toward the construction of a successful wall garden. Do not expect a plant that prefers a rich, moist soil to do well in a wall pocket where only a small amount of dry soil is available; and do not attempt to grow a shade-loving plant in full sunshine against a hot, rocky wall.

The following list includes some of the plant material best adapted to general culture in wall pockets or crevices. In most temperate latitudes any of these plants may be set out either in late autumn or early spring. Give them a little extra care and attention and they will respond in an appropriate manner.

Alyssum argenteum (silvery madwort)
Alyssum saxatile compactum (golden tuft)
Androsace sarmentosa (rock jasmine)
Arbis alpina nana compacta (dwarf alpine rock cress)
Arenaria montana (sandwort)
Argemone platyceras (mexican poppy)
Armeria cephalotes rubra (thrift or sea-pink)
Cerastium tomentosum (snow-in-summer)
Dianthus deltoides (maiden pink)
Dianthus plumarius (scotch pink)
Erinus alpinus roseus or *albus*
Linaria cymbalaria (toad-flax)
Nepeta mussini (ground ivy, catmint)
Phlox stolonifera (creeping phlox)
Sedum acre (mossy stonecrop)
Sedum album (white stonecrop)
Sedum sexangulare (dark green stonecrop)
Tunica saxifraga (coat flower)
Thymus serpyllum languinosus (downy thyme)
Valeriana coccinea (garden heliotrope)
Veronica repens (creeping speedwell)

Comments from a wall garden builder

Convincing evidence of the fact that, employed in the right setting, rightly constructed, and planted with the correct material, a wall garden can become one of the most charming features of the home grounds, was presented at the Philadelphia Spring Flower Show held in March of this year. Probably none of the striking exhibits staged there was more successful in reaching the hearts of home owners than the rugged old-fashioned bit of naturalistic planting of which a portion is shown on page 40. Emphasizing the principle that this phase of the art of gardening should not be forced, but rather applied where the circumstances seem definitely to call for it; and th

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further necessity that it should combine utility with beauty, this display was a real triumph for the man who designed and constructed it—Edwin Matthews of the Outdoor Arts Company, of Chestnut Hill. It supplied an answer to the problem that confronts many home owners whose properties include steep grades calling for retaining walls. Pines, hemlocks, rhododendrons, and leucothoë formed the background of a fifty-foot stretch of undulating terrain rising from about floor level to a height of six feet or more; against this uneven grade was built the wall of unobtrusive, roughly hewn stone with some five or six hundred rock- and wall-garden plants set in the crevices and pockets, many of them in bloom or with buds ready to break.

The importance of giving such a wall a sufficient tilt backwards was clearly demonstrated, as well as the necessity for affording ample pockets and soil-filled fissures for the plants which are to adorn its surface. The ideal way to get the desired effect and to insure the greatest measure of success, Mr. Matthews pointed out, is to plant your wall as you build it—especially when good sized plants are used. All the larger and more heavily rooted subjects should certainly be put in place as the work progresses; afterwards it is a simple matter to tuck the smaller material into the remaining chinks and crevices.

"The selection of the right kind of plant material is also important," he continued. "In most instances, what will thrive in a rock garden will also flourish in a wall. But there are a number of plants that must be classed as 'first acceptance,' since not only can they survive dry and difficult seasons better than some others, but many of them have the added quality of careless grace that is so needed in wall gardening.

"These first choice plants are: Phlox subulata and its several varieties; Cerastium tomentosum; Aubretia deltoidea; Iberis sempervirens, Arabis albida and its double flowered form, albida florepleno; Alyssum saxatile; Veronicas in variety, and sedums of the following kinds: S. album, S. acre, S. speciosum, S. hispanicum, and S. sarmentosum. The pinks (Dianthus) also thrive in a sunny wall, especially the plumarius types.

"Campanula carpatica and C. garganica should also be included, while, of course, various sempervivums are incomparable for the chinks of a sunny wall. The heucheras and the foamflower *(Tiarella cordata)* increase the interest of the flowering season. Plumbago larpentae, while a little too invasive, can hardly be omitted

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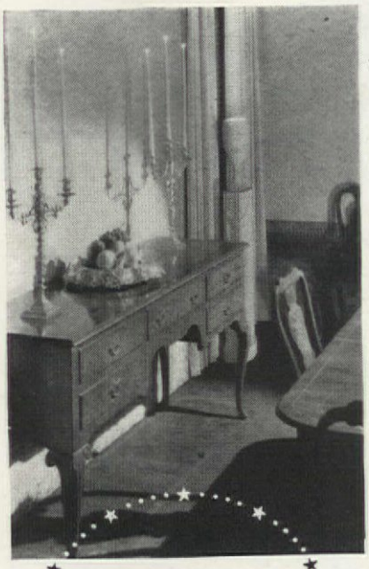

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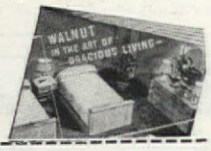

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since it adds color in the wall planting even late in the season.

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Iris—for everyone

[*Continued from page 19*]

doubles, look for Kuro Kumo, a deep purple overlaid with blue, to prolong your blooming season, for it is extra late. Alice Blue, a pale blue with yellow markings; Kombarin, a fine white, and Eleanor Perry, a brilliant red, are also excellent varieties.

You will find many lovely things listed among the hybrids and the iris species, among them the tall, moisture loving I. pseudacorus, a European native with blossoms like burnished gold, and alba, its white form. This species and the purple blossomed I. versicolor, native wildling of the northern states, are the only iris that love to puddle their feet in water. That dainty native of our mountain meadows, I. missouriensis, deserves a prominent place in our gardens; moreover, it occurs in three distinct colors—deep blue, a softer porcelain shade, and white.

None of the small tribe of created irises grow very tall, but the exquisite blue or white blossoms of I. tectorum make one think of orchids. This type grows so freely on thatched roofs in China and Japan that it is often called the roof or roof-garden iris. I. cristata is a cunning dwarf in this group, the flowers, fringed as well as crested, being of a pretty, soft blue; although a native of the southern states, it cheerfully endures the climate of the North. However, it does appreciate a leafmold pocket on the shady side of the rock garden.

I. dichotoma blooms for us during late July and early August. Because the two-inch butterflylike blossoms poised on the many branched stems do not pop out until mid-afternoon, this graceful plant is known as the vesper iris. While it is easily managed, the fleshy rooted plants are tardy about awakening in the spring, so it is well to remember where they are when doing early digging. Seed germinates readily; in fact, tiny plants are apt to shoot up all

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over, a white-flowered one app
ing now and then as a nice c
plement among the lovely b

As yet, the newer autumn blo
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numerous; consequently, mos
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reason than to prove to our
satisfaction that some irises
tually *do* bloom in the fall!

The devastating ax of the tax

[*Continued from page 10*]

wealth, representing the best
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five per cent of all of the
while sixty-six per cent o
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do it for the other fellow.

But please remember
used that word "construc
connection with the united
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These facts remain. Today we again have taxation without representation, as far as the home owner is concerned. Members of our legislative bodies give their thought and attention to the organized groups represented in their halls. They would welcome some one acting as the real, sincere voice of the home owner. When the home owners do become as efficiently organized as all other interests in our public life *and not before* will they get the square, equitable deal to which they are entitled. Until they become organized, with a constructive, carefully considered program they will continue to bear an ever increasing tax load, until these taxes have reached the point of confiscation, which they have already reached in some instances.

Gather ye petals while ye may

[*Continued from page 99*]

ones. And, by the way, if vanilla beans are new to you, you may be surprised when you see them. Though some old-fashioned cooks still keep them on hand, many modern housewives are unacquainted with them.

The recipe as I have given it is sufficient to fill a large ornamental jar or several smaller jars which, you will find, make most acceptable presents. Any extra material goes into sachet bags which will be welcomed by your fastidious friends who like to put them among "handkies" or underwear, or by the thoughtful hostess, who lays them between her bed linen.

The fragrance remains in rose jars for years, but it should be freshened from time to time by stirring up the petals. If you like, freshly dried petals may be added from year to year To enjoy the fragrance of the jar, remove the lid for a few minutes until the scent is released into the air, then replace it. But do not open the jar if the air is moist and damp.

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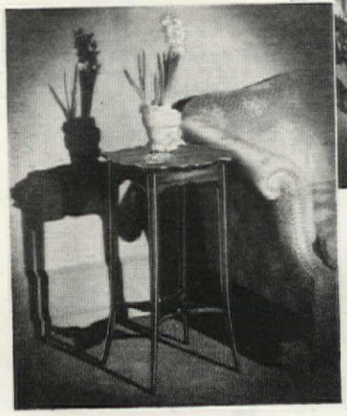

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A "little touched"

[*Continued from page 88*]

travagance. Here we have a ceiling fixture consisting of three little lamps with chimneys and shades. It cost six dollars! We have always dined by candlelight, and have a number of crystal candelabra, and brass candelabra, sconces, and sticks to supplement the lamplight in other rooms.

For heating, $400. The house was notoriously cold, the furnace being half large enough for the tremendous radiation. We solved this problem by installing an Iron Fireman. A tiny radiator was put into the previously unheated upstairs bath, and a pretty green enameled rubbish and wood burner was added to the kitchen equipment to supplement the work of the inadequate kitchen radiator. (Our kitchen is like the one mentioned by Della Lutes. In case of financial stringency we could *live* in it and be quite comfortable). A ceiling register above the stove permits heat to enter the little room above, thus making what was once a veritable small icebox quite habitable.

For decorating, $1147. This was simple. Everything outside was given three coats of the best quality white paint, everything, that is, except the discolored copper east porch roof and shutters. These were painted the darkest possible green. Inside, the wallpaper was steamed off and loose plaster pulled away. Then the walls were carefully patched. Only the kitchen had to be entirely replastered as that was to be enameled. Then all rooms and halls (with the exception of kitchen and baths) were papered in heavy ivory washable paper that looks like rough plaster. All woodwork was painted a dead white, using over two coats of "flat," a coat of "half and half" to give an eggshell finish. Floors upstairs, after having the cracks filled with a mixture of sawdust and glue, were given three coats of porch and deck paint in soft blue, a fit background for rag carpets; taupe paint was used downstairs as it blends better with our somewhat heterogeneous collection of rugs. In the kitchen and lavatory, the walls were enamelled warm cream above the chair rail, morning gray below, the woodwork dead white. The upstairs bath was done entirely in white.

For miscellaneous items, $128. Among these were the printed linoleum cemented down and well varnished, in kitchen and back entrance; the Tile-tex floors in the two infinitesimally small baths; the washable window shades green outside, white inside, with which we provided all of the windows (these like the bathroom fixtures we had to shop for); the white porcelain door knobs for such doors as did not already have them; and the hand-made ivory tiles that replaced the unattractive yellowish-greenish ones which were used in the fireplace.

For landscaping and tree surgery, $225. Of this, fifty-five dollars had to go almost immediately for tree surgery. The lawn was rebuilt, worn places being sprinkled with black dirt and seeded; hopeless spots such as a terrace edge, the place where cars had been parked, and so forth, frankly sodded. A twenty dollar Persian lilac hedge was set in along the south boundary. The woody spireas around the concrete foundation on the east and southeast corner were dug up and replaced by evergreens. An irregular terrace was built sloping up to the new southeast doorstep, thus solving a fairly serious landscaping problem.

And so the thing was finally finished, without a penny to spare.

* * *

Every small town has its Hamilton Place—its original owners having passed on along with the rustling silks, the fine lace curtains and the warm hospitality of another day—a house deteriorating more with each change in ownership until all trace of its former stately beauty has vanished. Quite often, as we sit in the candlelight it seems to us that those one-time owners of Hamilton Place come back to enjoy with us the loveliness which we have managed to recapture and that they are quite as enthusiastic as we are over its complete rejuvenation!

One hour a week enough

[*Continued from page 90*]

where it attacks a great variety of plants on sandy soils. There is usually necessary to replace the soil in an infested bed with virgin soil or to grow non-susceptible plants for a few years to starve out the worms. In your case I think you will be safe if you replace the soil where I took out this one plant with fresh, and then put in another peony next fall.

ROSES. I know that you must have been fairly faithful in spraying your roses, for your neighbor's over the wall show brown leaves skeletonized by the rose slug. You must be even more careful from now on, however, for the black-spot fungus (see page 3) stalks abroad in humid weather. If you can, water the roses by laying the open end of the hose right on the bed. If you must wet the foliage, do it early in the day so all the leaves are dry before night.

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Ventilating
PORCH SHADES

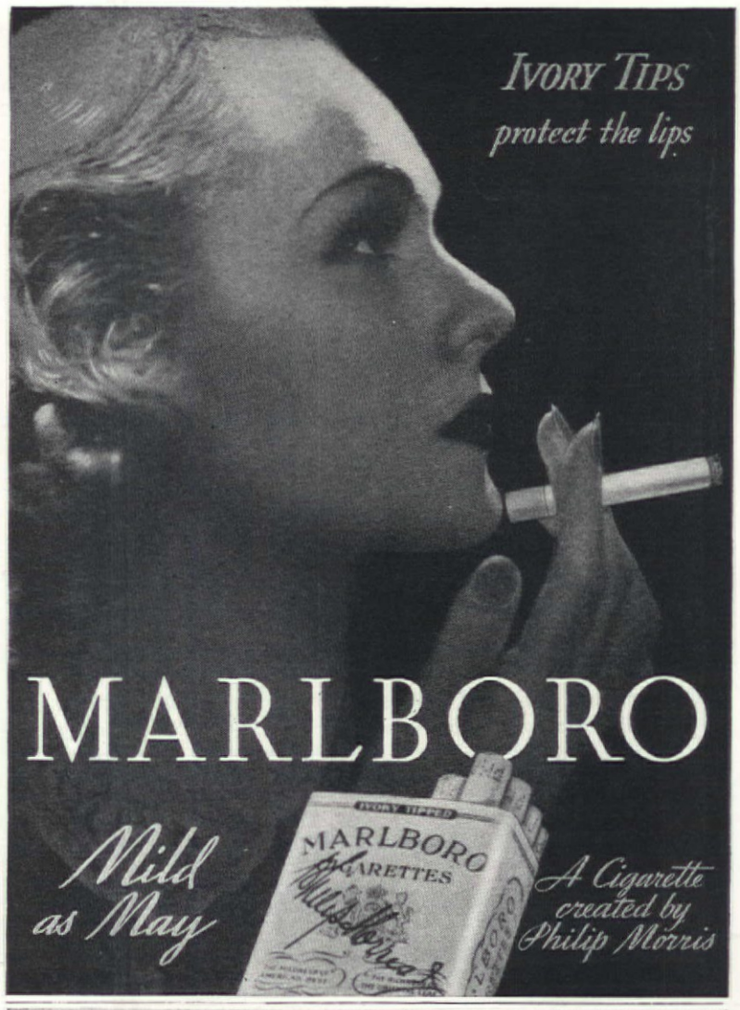
Keep on using Tri-ogen for your bedding roses. Use it once a week in June; then, if it gets very dry in July, you can ease off to about once in ten days. But be sure to keep the underside of the very lowest leaves covered. Infection always starts there.

For the Dorothy Perkins on your fence Tri-ogen may be too expensive. However, in that case you are chiefly concerned with mildew and three or four applications of sulphur dust, the first made now, at the end of May, will keep it under control. The white threads of the mildew fungus can be dried up with sulphur even after you see them, since they grow on the surface of plants and not inside skin as does the black-spot fungus, which must be controlled by treating plants *before* infection takes place.

IRIS. I see some signs of iris borer — ragged, water-soaked leaves with dried tips; and from the matted condition of the rhizomes I know it has been more than three years since you last divided your plants. You can "squash" a few borers now by running each suspicious leaf between your thumb and forefinger, but that will not get many. The rest you will get when you divide in June, as soon as possible after flowering. If you wait until August, as the older books direct, the borers will already have hollowed out the rhizomes to make room for their two inches of soft, creamy, repulsive pinkness; or perhaps they will even have changed into hard brown pupae.

When you dig out the clumps, go over each one carefully; cut out every borer; trim the fans back to six inches, and then soak the whole plant for about twenty minutes in a solution of bichloride of mercury, two tablets to a quart of water (a 1-to-1000 dilution). Some people roll the rhizomes in a material called Cupro-Jabonite, instead. Then, and most important, to my mind, in preventing that slimy, foul-smelling soft rot which so often follows the borer, let the plants dry in the sun for a day or two. When you do replant, remember to leave the

Botrytis blight causes the familiar rotting of young peony shoots. Blasted buds (left), which later show a gray mold, are another symptom of the same disease



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upper half of the rhizome exposed, and take care not to cover it up in subsequent cultivating.

JAPANESE BEETLES. When I was in Florida this past winter, another New Jersey visitor was horrified at the idea of my "wasting time" trying to find out about southern pests. She thought I should go right home and work some more on the Japanese beetle. But we know the life history of that beetle. We know that the zone of heavy infestation each year covers only a small part of the eastern seaboard, even though commerce, automobile traffic, and other agencies have scattered the pest in small numbers over a much larger area. We know that even in the heavily infested region coating vines and shrubbery with a mixture of lead arsenate and flour (1 ounce of lead arsenate and 1 ounce of flour mixed with water to a runny paste and then diluted to a gallon) is fairly good protection, if it is done just before the beetles come out of the ground around the first of July. We know that, while scattere beetles may be found as late a October, the majority are throug eating by about August fifteenth During those six weeks, then, i you want to save the bright-co ored flowers that are so attractiv to the iridescent, coppery blue green beetles, you must go ou for a few minutes each day wit your jar of water and kerosen even as you are doing now for th rose chafers. During this perio you may even have to cut you roses while they are in bud an enjoy them in the house.

After their brief period of heav feeding, the beetles lay their egg (usually in sod) and die. Th young grubs feed for a time on th grass roots; as cold weather ap proaches they burrow deeper int the soil to spend the winte coming near the surface to fee again in the spring. Lawns can b grub-proofed with a mixture o ten pounds of lead arsenate an five or six bushels of soil; appl evenly over an area of 1000 squar feet, either in September or nex spring, and water in thoroughly

A summer pest control calendar

(Approximate dates for the vicinity of New York City)

MAY

Fourth week: Spray rhododendrons if lacebugs hatch.
Spray roses.
Dust evergreens and phlox with sulphur for spider mites.
Spray or dust delphinium for mites.
Dust for four-lined plant bug.

JUNE

First week: Spray bedding roses. Dust ramblers with sulphur for mildew.
Hand-pick chafers from roses and peonies.
Cut off diseased peony buds.
Treat for four-lined plant bug.

Second week: Spray again for rhododendron lacebug.
Spray for aphids and young scale.
Dust phlox and delphinium.
Spray roses. Dust ramblers.

Third week: Divide iris and clean out borers.
Spray roses.

Fourth week: Watch for signs of crown rot.
Apply protective spray against Japanese beetle.
Spray roses.

JULY

First week: Hand-pick Japanese beetles.
Dust phlox and delphinium.
Spray roses.

Second week: Inspect your garden frequently.
Watch for crown rot.
Look for lacebugs on hawthorn and azaleas and for a second brood on rhododendrons.

Third week: Spray roses.
Dust phlox, delphinium.
Give second spray for Japanese beetle.

Fourth week: Spray annuals, if necessary, for Asiatic garden beetle.

Fifth week: Spray for aphids as necessary.

AUGUST

First week: Spray roses.
Watch for whiteflies.
Dust (for mildew) phlox, lilacs, zinnias, chrysanthemums, etc.

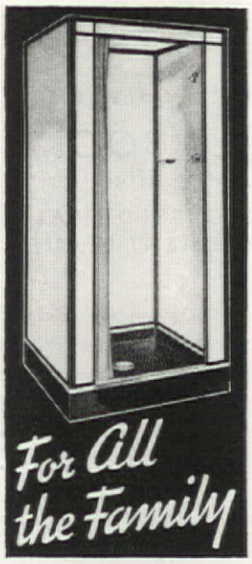
Second week: Snip off all fading and diseased flowers.

Third week: Spray roses.
Dust for mildew.

Fourth week: Spray roses.
Keep aphids under control.
Grub-proof lawns to check Japanese beetles.

SEPTEMBER

All the month: Continue to spray roses weekly.
Keep aphids, whiteflies and leaf hoppers under control.
Dust various plants for mildew, especially lilacs.
Dust hollyhocks with sulphur for rust.



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dabs New-Skin on pin jab and forgets it

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THE AMERICAN HOME
251 Fourth Ave. N. Y. C.

Several effective parasites of the Japanese beetle have been introduced. Their spread lags behind that of the main beetle army, but the advance of these together with your efforts, means that the beetle population cannot stay at the peak in any one region more than two or three years. In your small garden, I do not advise you to use a trap; but if you feel you must, then put it as far away as possible from your choicest flowers. Start now some corn or some mallows growing where you plan to place the trap, to provide a feeding ground for the beetles that are attracted by the scent in the trap but that never manage to get caught in it.

The chestnut-brown Asiatic garden beetle chews foliage at night and hides in the soil during the day. Lead arsenate on the foliage of asters and other annuals will protect them.

CROWN ROT. Before I leave, I want to warn you of one serious midsummer disease, though you will probably find no case of it before the hot, humid weather of late June or early July. It occurs as a sudden wilting and toppling over of a plant or, perhaps, an incredibly rapid blackening and disintegration of plant tissues. This crown rot disease is particularly dangerous because the fungus, like that causing Botrytis blight, lives over in the soil in the form of small, hard resting bodies, called *sclerotia*. In this case, however, they are not black but reddish-tan, resembling mustard seed. If you do not find the first victim of this "sudden death" in your garden, the white, growing threads (*mycelium*) of the fungus may carry the scourge to almost any perennial in your border—delphinium, iris, ajuga, eupatorium, aconite, phlox and physostegia, to mention but a few. So, as soon as you find one, take out the sick plant with the surrounding soil and destroy it. Drench the hole and the crowns of surrounding plants with 1 to 1000 bichloride of mercury solution. Keep a sharp watch through the summer for a fresh outbreak.

Do remember to make a weekly tour of inspection. Snip off this and that wilted flower, diseased leaf, suspicious shoot. Put them into your paper bag. Burn them.

(Acknowledgment for photographs used with this article is made as follows: Rose chafer and lady beetle, Dr. E. Bade; maple scale, aphids, and cyclamen mite, Dr. W. E. Britton, Connecticut Agricultural Experiment Station, New Haven; stunted peony and Botrytis blight, Dr. R. P. White, New Jersey Experiment Station, New Brunswick; black spot of rose and crown rot of plantain-lily, the author.—Editor

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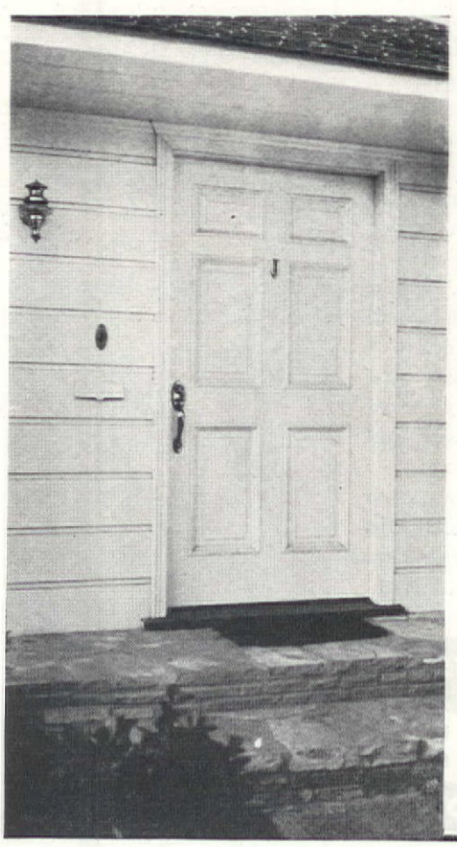

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*Ponderosa Pine
*Sugar Pine

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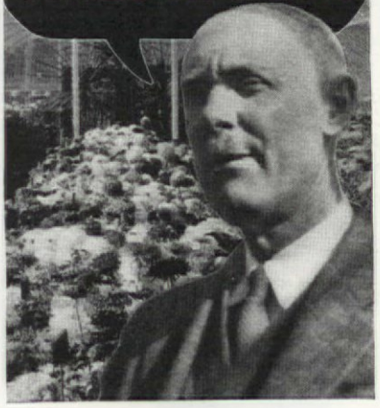
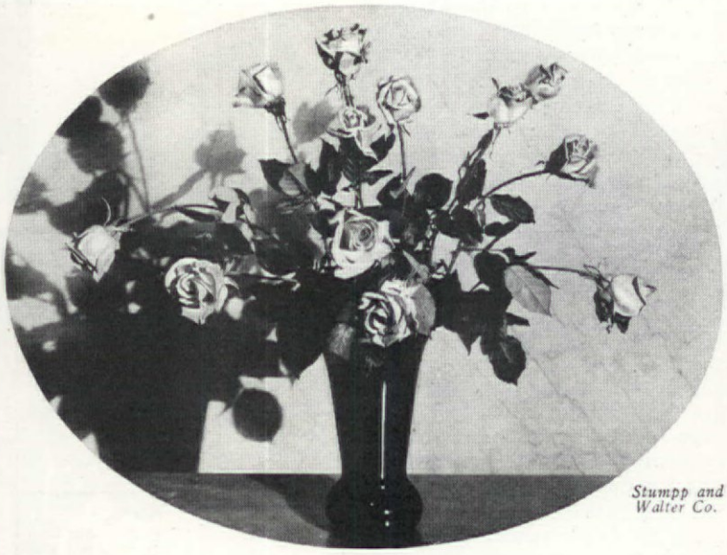


Florist Recommends Early Use of New Ever Green Spray

"At the first sign of insects in your garden, spray New Ever Green," warns Victor E. Holmes, who superintends more than 30 greenhouses for the noted west coast florists, Avansino Mortensen Co. Mr. Holmes sprays New Ever Green regularly to protect this huge investment against insects . . . says spraying New Ever Green will enable home gardeners to grow more perfect flowers.

New Ever Green Spray kills many of the common types of chewing and sucking insects that destroy flowers. When sprayed, it cannot harm plants, pets, or people; is economical and easy to use. Just add water and spray. Sold at hardware, drug, seed, flower, and department stores — or ask your own florist. McLaughlin Gormley King Co., Minneapolis, Minn.

DO AS FLORISTS DO:
USE EVER GREEN SPRAY



Stumpp and Walter Co.

R.M.S. Queen Mary. Winner of gold medals this spring, this new rose will be available in 1938.

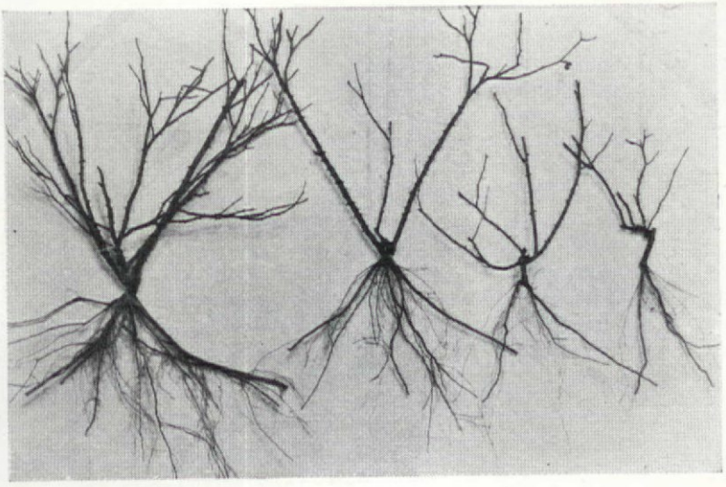
About the garden in June

E. L. D. SEYMOUR

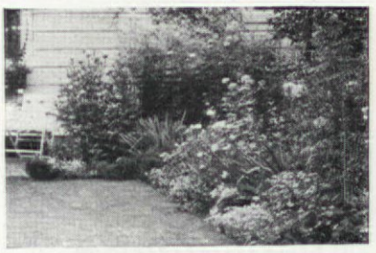
JUST as the opportunity (and the necessity) for outdoor activity increases with the coming of June, so do the subjects that clamor for comment or, often commendation. . . For example, the little Yearbook of the Delta (Ohio) Community Club graciously sent us by Corresponding Secretary Dora Kessler with a friendly letter. We don't know her, or any of her sister members, or their town; but from the 44-page typewritten yearbook in its pink, hand-decorated cover tied with silk cord, we are convinced that here is a livewire, conscientious, enthusiastic group doing a good job at its chosen task—"to create, maintain, and extend throughout the community a better appreciation and understanding of plant life."

Organized with ten charter members in 1934, it is now within seven of its constitutionally set limit of fifty; operates with some intelligently specific by-laws; and boasts, apparently, an efficient lot of officers and committees. "Any member," we note, "missing three consecutive meetings without reasonable excuse, is automatically dropped from membership." Also, "Any member failing to be properly excused shall be fined five cents and "Any member failing to do or be responsible for assigned work, shall be assessed one dollar." Besides giving the Club's complete personnel, constitution and by-laws, and a detailed program for each month (with an appropriate verse and a speaker and hostess designated), the little booklet starts with a prayer and closes with a poem.

PERHAPS, it is out of place to hand an orchid to a rose. Nevertheless, we pay a corresponding tribute to the new, brilliantly salmon and orange-pink rose, R.M.S. Queen Mary, for its debutante performance at the spring flower shows. Exhibited for the first time at Philadelphia, New York, and Boston, it won



These are all two-year-old, budded rose plants dug from the same row. The nursery trade grades them as No. 1, No. 1 1/2, No. 2, and No. 3. So when you buy roses, know what to ask for, what to look for—and what to pay for.



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Speaking of roses in gardens, any time is a good time to remind planters and future purchasers of some of the facts (often forgotten or ignored) about quality in rose plants. All of us know of the variation possible in any crop. Site, soil, moisture, sunshine, shelter, treatment—all these may lead to great differences in stature, sturdiness, vigor, and ability to flower. So it is with roses, and even though a buyer have in mind (and specify) "two-year-old, field-grown, budded stock" of a certain variety, the product answering to that description may show considerable variability in size, form, and merit, each gradation representing, naturally, a different degree of value and justifying a different price.

For this reason, no one should imagine that two offerings of two-year, field-grown plants, one quoted at four or even six for a dollar and the other at a dollar apiece or possibly more, represent identical merchandise sold at either bargain or exorbitant prices respectively. Any living, healthy rose plant is a potential source of certain results and rewards, in more or less direct proportion to the cost. But don't anticipate Rolls Royce effects from a Ford investment. And, in any event, buy your roses from firms of repute; firms that know roses and their characteristics and requirements, just as you look to reliable sources for furniture, books, foods. You see, good, medium, and indifferent plants may come out of the same field without casting any reflections on the ability or integrity of the grower. But they should *not* be advertised, sold, or bought as one and the same thing.

One other rose note: The American Rose Annual for 1937 has for some weeks been in the hands of the members of the American Rose Society as one of their earned increments from a $3.50 membership fee investment. Edited, like all its predecessors, by Dr. J. Horace McFarland, with his characteristic breadth of interest, ability to secure live material, and courageous freedom of view and expression, it contributes much, in its 278 pages, sixteen full color plates and twenty-three halftone illustrations, to the knowledge, appreciation, cultural skill, and enjoyment of those who love roses or seek to know that privilege.

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United States Steel Products Company, New York

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FENCE

CYCLONE FENCE CO., Dept. 367, Waukegan, Ill.
Please mail me, without obligation, a copy of "Fence—How to Choose It—How To Use It."
Name.....
Address.....
City.....*State*.....
I am interested in fencing: ☐ Residence; ☐ Estate; ☐ Playground; ☐ Industrial Property; ☐ School.
Approximately.....feet.

U·S·S Cyclone Fence

UNITED STATES STEEL

Elliott's Guaranteed TULIPS

SOLD WITH A MONEY BACK BOND

The World's Finest Tulips at Bargain Prices . . . Free Fertilizer . . . Order NOW ~ Pay next Fall. Valuable Bulb Book Free . . . Send for it TODAY.

HERE is your opportunity to get the aristocrats of the Tulip Kingdom at a price lower than is often charged for nameless, ordinary bulbs. Every tulip offered is in the Giant class, famous for its big, exquisitely colored blooms, its long stems, its vigorous, sturdy growth.

60 GIANT TULIPS $3.50

COLLECTION A

6 AVIS KENNICOTT . *Deep Yellow Black Base*
6 DIDO . . . . . *Orange Red Gold Border*
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6 FARNCOMBE SANDERS . . . . . *Red*
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6 BLACK EAGLE . . *Blackish Dark Violet*

COLLECTION B: 100 Bulbs (10 each) $5.50
COLLECTION C: 250 Bulbs (25 each) $11.95

Carriage prepaid on all Collections Everywhere in the United States.

WITH every order, we will send FREE, a liberal supply of Superfine Fertilizer and Soil Conditioner, made by us especially for these collections. This plant food will enrich your soil, and make your results better.

We guarantee that these bulbs are *true to name*, and have reached their full maturity, so will produce perfect blooms. We guarantee that they will grow in any climate and in almost any kind of soil. If you are dissatisfied in any way, *your money will be refunded instantly.* There are no strings to this Bond.

We import our bulbs. Each year, for the past 48 years, our buyers select the newest and best bulbs that Holland produces. October is planting time; we make no deliveries until then. We do not require payment until delivery time. *IF YOU WISH TO SEND CASH WITH ORDER, YOU MAY DEDUCT 5%.*

FREE BULB BOOK: This year we offer a number of New Tulips, never before available in this country. These tulips are Huge in Size and Marvels of Beauty, yet low in price. Our Free Book tells about them. It also pictures and describes hundreds of the World's Finest Tulips, and many other flowers. For 48 years it has been a Guide to those who desire Richly Beautiful Gardens. Send for it Today.

The Biggest Bulb House in the World

ELLIOTT NURSERY CO.
First Street . . Evans City, Pa.
Be sure to use complete address

THE SAFE INSECTICIDE

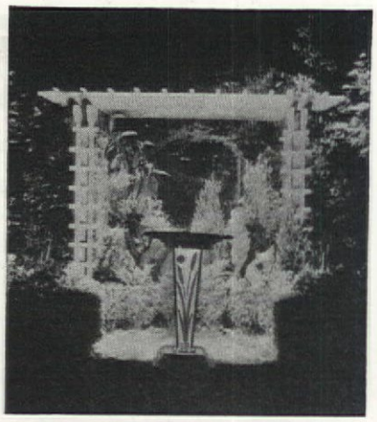
Slay garden bandits before they can harm your flowers or vegetables. SLUG SHOT kills both chewing and sucking insects, yet is harmless to persons. Moreover, it gives protection against many forms of fungous diseases.

2 Forms—Both Non-Poisonous

SLUG SHOT DUST in ready-to-use Sifter-Top Can, 1 lb., 25c; Liquid SLUG SHOT, 6-oz. Bottle makes 36 gallons of spray, effective against Insects, also Mildew, Black Spot, etc., $1.00. Sold by dealers everywhere.

Write for FREE "Garden Enemies" Chart

HAMMOND Paint & Chemical Co.
10 Ferry Street Beacon, New York



The LUMINOUS BIRD BATH

Everyone with a garden wants a bird bath. Why not have a Luminous Bird Bath? As attractive by night as by day, it will bring to your garden a new element of beauty. The illustration shows one way by which this simple means of garden illumination creates a charming picture and extends the effect of distance beyond the confines of the garden.

LIGHT UP YOUR GARDEN

Why not enjoy it by night as well as by day? Learn how easily you can add new charm, new beauty to *your* garden by means of unique garden illuminating equipment designed by lighting specialists for the purpose.

Write us and we will send you free a beautiful brochure entitled "Landscape Lighting," contains many lovely illustrations of suggested lighting for pools, rock gardens, borders and other spots. We will also include General Electric's Bulletin, "How to Light Your Garden." Write the Garden Lighting Equipment Co., 1210 East 113th Street, Cleveland, Ohio.

Made of aluminum and copper. Height 28 inches. Diameter of copper bowl 20 inches.

$36.50 *prepaid in U.S. or Canada*

STEARNS POWER Lawn Mowers

A Power Mower You CAN Afford

ONLY $72.50 *(18" cut)*

Four other models—up to 27" cut. Prices $89.50 to $235.00.

This is truly an unusual value—made by Stearns, with all the tested and proved features that have made Stearns Power Mowers famous. It is just as outstanding in quality, performance and operating economy as it is in price.

Simple and easy to start and operate. Free from complicated mechanism. The perfect balance of design assures a greater ground coverage than the 18 inch cut would indicate. Equipped with the nationally known Briggs & Stratton motor.

Ask your dealer or write us for descriptive folder No. 7.

E. C. STEARNS & Co.
ESTABLISHED 1864
SYRACUSE, N. Y.

THE early garden pea crop has probably been planted ere this; and few of our readers may sow pea seed in bushel lots or with a mechanical seeder. Yet they may be interested to learn that a new development in the growing of this important vegetable crop is the lubricating of the seed with graphite during the sowing process! It is estimated that last year, in New York State alone, some 50,000 bushels of peas were eased on their way through the seed drill by the addition of one and a half ounces of dry graphite per bushel. The result was an improvement in the uniformity and quality of the stand averaging about twelve per cent for all varieties grown. This simple treatment is being increasingly used in connection with the use of red copper oxide as a preventive of rot, decay, and other seed-infecting diseases.

Copper oxide alone is, of course, becoming a familiar material among home gardeners as a preventive of damping-off, that insidious fungous disease that takes such a heavy toll of seedlings in flats, hotbeds, and outdoor seedbeds. The powder can be applied dry before sowing the seed—a tiny pinch added to each packet and thoroughly shaken up so as to coat all the seeds is sufficient—or it can be applied in solution, first on the bare soil immediately after the seed is sown and at weekly or fortnightly intervals until the plants are large enough to be set out. In this case, one ounce to three gallons is the formula, the soil to be well moistened with the solution.

WHILE on the subject of disease control (and with respectful reference to Dr. Westcott's second article elsewhere in this issue), we have a revised circular from the United States Bureau of Entomology and Plant Quarantine listing the kinds of barberries which are subject to Federal regulation in connection with the quarantine against the black stem rust which menaces the wheat crop in many sections. Certain forms of barberry (Berberis) are carriers of this fungus and their movement is therefore prohibited from any part of the country into any of the following "protected" wheat-producing states: Colorado, Illinois, Indiana, Iowa, Michigan, Minnesota, Montana, Nebraska, North and South Dakota, Ohio, Wisconsin, and Wyoming; or from any one of those states into another. Other kinds of barberry, after tests by Government experts, are considered sufficiently immune or resistant to the disease so that they can be shipped, under special permit, after having been inspected and certified. A third small group, consisting of the

● **CYANOGAS,** a gas-producing powder, reaches dee in nests and destroys ALL ants in the colony. Kil the queen—wipes out entire colony. It's the SURE wa Get CYANOGAS at your hardware, drug or seed stor

30c KILLS A MILLION ANT
AMERICAN CYANAMID & CHEMICAL CORPORATIO
30 Rockefeller Plaza, New York, N. Y.

BE SURE THE SPRINKLER YOU BUY IS A LONG-LIFE

Genuine **Rain King**

Get the utmost in efficiency and long, trouble-free serv ice. A type for every lawn or ga den—and for every pocketbook Each designed to throw mor water—throw it farther—sprea it evener. Rain Kings do a bett job and last longer. ASK YOU DEALER FOR THEM BY NAME.

Rain King Sprinklers are made and guaranteed by Chicago Flexible Shaft Company, 5607 Roosevelt Road, Chicago, Illinois.

47 Years Making Quality Products

CUT YOUR HEDGE 10 TIMES FASTER with Electrimmer

IT'S FUN—NOT WORK!

Let electricity cut the toughe hedges easily and smoothly. Sav hours of tiresome work. Keep shrubs in better condition; f lawn borders, too. Powerful m tor. Works from light socke Weighs only 6 lbs. Use with o hand. Time payments if desire

SKILSAW, INC.
3318 Elston Avenue
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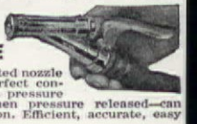
Send for This FREE Book on selection, design and care of hedges.

HOME OWNERS HEDGE MANUAL

Makes Sprinkling a Sport

The CARTER LEVER-SPRAY HOSE NOZZLE



This new hand regulated nozzle gives instant and perfect control. Nozzle opens as pressure is applied—closes when pressure released—can be set at fixed position. Efficient, accurate, easy to operate.

Ideal for Roses and Seedlings

Provides all degrees from atomizer spray to full stream. Great for washing cars. Sold by leading dealers or sent postpaid on receipt of $1.00.

CARTER PRODUCTS CORP.
102 Front Ave. Cleveland, Ohio

GARDENGARD KILL GARDEN PESTS

EASILY ATTACHED between **HOSE & NOZZLE**

Effective—Economical—No moving parts to get out of order. Solid Brass, will last for years. No mixing—ready for instant use. Cartridges properly proportioned. Solution always correct.

SU QUI DEATH FUSS NO MU

water passing throu agitator dissolves c tridge

CARTRIDGES 10 for 75c

$1.25 POST PAID Complete With 4 KILLER CARTRIDGES

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NEW DWARF
DAHLIAS
for the Garden

Strong 3 inch pot plants . . . Wonderful new race of Dahlias . . . little more than a foot tall. Bloom early Summer to frost.

ROSALIE. Lilac-rose blooms, lighter toward center.
URSULA. Intense crimson with carmine reverse.
GERTRUDE. Clear sulphur yellow.
CHRISTINE. Dainty white flowers.
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KATE. Showy orange-scarlet.

Special collection—6 varieties—each a different color 85
Individual plants 81 each

Stumpp & Walter Co
132 Church St. Dept. A New York City

MOWERS

Sickle type, power driven, rubber tired, pulls self, cuts high grass, hay, weeds, on level or rough. Six times as fast as a scythe.
ATTRACTIVE PRICES
Write for Catalog

Country Homes, Highways, Orchards, Estates, Parks.

NATIONAL MOWER CO.
831 Cromwell St. Paul, Minn.

Ross' Fine Spray LAWN SPRINKLER

Throws soft rain-like stream that will not harm most delicate plants. In use for 30 years.
At your dealers or 75¢ postpaid.
Send for Complete Catalogue
ROSS SPRINKLER CO.
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***Trim* YOUR HEDGE**
—in 1/10 the time!

SAVE HOURS OF HAND CUTTING

Electric Hedgshear makes 10,000 cuts a minute. Produces more beautiful hedge. New vibrationless principle. Cuts forward or backward. Runs from lighting socket. Wt. 5¾ lbs. Write for FREE demonstration.
SYRACUSE TOOLECTRIC MFG. CORP.
1724 N. Salina St., Syracuse, N. Y.

Don't Tear Up Your Lawn!

If your lawn or tennis court is being ruined with weeds, don't dig them out. Instead, dust it over with the new ADCO-WEED-KILLER for LAWNS and watch the pests wither and die while the grass takes on fresh vigor. To test it, send $1.00 for a post-paid 3-lb. sample can, or better yet, $3.75 for 25 lbs. F.O.B. Special prices on large quantities. Particulars free.
ADCO WORKS, Carlisle, Pa.
Makers also of the famous ADCO, which converts farm and garden refuse into rich plant food. Send for "Artificial Manure and How to Make It."—FREE.

LEARN LANDSCAPING!

By mail, in spare time, prepare for this well-paid, enjoyable work. "Cleared $1200 in 3 months," writes W. G. N., Utah. "Send me 4 more graduates," N. Y. nurseryman. Course is easy, complete, practical. Earn while learning. B. B. B., of St. Paul, Minn., paid for course out of earnings while studying. Write for details.
AMERICAN LANDSCAPE SCHOOL
167 Plymouth Bldg., Des Moines, Iowa

GUARANTEED TO KILL ANTS

Ants are hard to kill, but Peterman's Ant Food is made especially to get them and get them fast. Destroys red ants, black ants, others — kills young and eggs, too. Sprinkle along windows, doors, any place where ants come and go. Safe. Effective 24 hours a day. 25c, 35c and 60c a can at your druggist's.

PETERMAN'S ANT FOOD

Japanese barberry (B. thunbergi) and its varieties are so highly immune that no restrictions or regulations at all are placed on their movement. These exceptions to the general rule are: the Japanese species and the varieties atropurpurea, maximowiczi, minor, pluriflora, and pluriflora erecta (the last known commercially as Truehedge Columnberry).

There are now twenty-five species and varieties of Berberis considered sufficiently resistant to be allowed to move interstate, but under permit which must be obtained in advance. The list can be secured from the Department of Agriculture at Washington by asking for Circular BEPQ 385.

Do you—would you like to—grow more and better fruits? If so, the New York State Fruit Testing Association can probably help you. For while there are still plenty of high class, standard, home garden varieties obtainable from nurseries and listed in their catalogs, there is always room for something different that shows improvement in quality, size, productiveness, seasonal range, freedom from troubles, hardiness, or the like. The organization mentioned, in coöperation with the State Agricultural Experiment Station, is engaged in trying out the novelties that are either originated by members of the Station, or submitted for trial by other introducers. Membership in the Association—open at $1 a year to anyone, anywhere—carries the right to purchase stock of any of the varieties listed by the organization after careful, practical test. As an illustration of the work it is doing, the Experiment Station in fifty years of fruit breeding has evolved some 13,000 apple seedlings of which 4,569 have borne fruit on the Station grounds. Of these, only 81 have been considered worthy of further trials which have thus far resulted in the propagation and general distribution of fourteen kinds. Lists of the recommended varieties are issued to Association members annually. The Association secretary can be addressed care of the Experiment Station at Geneva, N. Y.

Many an enthusiastic gardener who would quickly disclaim any interest or skill in the field of plant propagation, would reply in an entirely different way if asked if he likes "to raise plants from slips." Yet, the two are identical, slips being a familiar, homey name for one kind of cuttings; and cuttings representing one of the most valuable methods of multiplying or propagating plants otherwise than by seed. That being cleared up, we can remark on the assistance now offered those who want to grow

WORLD WAR CREATED America's Modern Garden Tools

4" PULL HOE $ .95
5½" " " 1.10

CULTI-CLAW $ .95

HAND PLOW $1.60

TURF EDGER $1.15

3 Prong CULTIVATOR $ .75

FOLDER TELLS STORY—*It's FREE*

Every gardener will be interested in learning the facts regarding the birth of Gardex Tools. How they have revolutionized garden practice by saving gardeners hours of time—how they banish backbreaking, chopping motions of old-fashioned tools and make garden work a pleasure. Why tolerate drudgery! Get your copy today and know the facts!

GARDEX 'Soil-Flow' TOOLS
America's Modern Garden

Designed by engineers who are also practical gardeners. Gardex Tools come in shapes which offer the least resistance to soil and require less human effort to use. They operate on THE EASY PULLING PRINCIPLE and positively do 4 to 6 times FASTER work with half the effort. If your dealer doesn't carry Gardex, order direct as you are fully protected by our Money Back Guarantee if not satisfied.

Write For FREE FOLDER!

It's interesting and educational. Also features Sugar Test to prove 3-WAY Theory of Soil Cultivation. Try the modern way to Garden Pleasure and once you use Gardex Tools, their performance will win you forever.

DEALERS WANTED
GARDEX Inc.
Dept. 16. Michigan City, Ind.

"NEXT BEST TO RAIN"
...and a lot more dependable

Get This Junior ***DOUBLE ROTARY SPRINKLER***

Remember last summer! Don't worry about scorching, rainless days. Let this DOUBLE ROTARY SPRINKLER keep your lawn, flowers, garden and shrubs vigorous and beautiful all summer long. Refreshing rain-like drops or mist-like spray "Next Best to Rain." Easily regulated to sprinkle in a circle or on a straight line—to cover any circular area up to 80 ft. or down to 15 ft. in diameter, according to pressure. Adjustable nozzle makes it four sprinklers in one. A big water saver. Scientifically constructed of finest materials. *Guaranteed.*

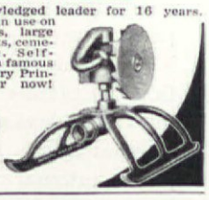
$7.50

Sprinkles 5,000 Sq. Ft.

DOUBLE ROTARY JUNIOR SPRINKLER

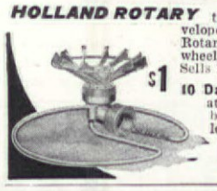
HEAVY DUTY MODEL

The acknowledged leader for 16 years. Thousands in use on golf courses, large estates, parks, cemeteries, etc. Self-operating on famous Double Rotary Principle. Order now!



$12.50

HOLLAND ROTARY the new, amazing sprinkler developed from the famous Double Rotary Principle. Has the whirling wheel feature for perfect sprinkling. Sells for *only $1* (plus postage).



$1

10 Day TRIAL—Order from this ad at once on guaranteed money-back trial basis—or see your local dealer.

DOUBLE ROTARY SPRINKLER CO.
201 Candler Bldg. Kansas City, Mo.

Kill the Bugs with your Garden Hose

Attaches To Ordinary Garden Hose -- Effective -- Economical -- Rapid

All Insecticides Made In Stick Form

An Amazing New Invention for spraying plants, trees, shrubs, etc.—without the labor and expense of heavy equipment—for gardens, large estates, municipal parks, library grounds, greenhouses—no mixing—ready for instant use—mechanically perfected to stir or agitate the solution in cartridge form, so that it is deposited in correct proportions on objects to be sprayed.

EXTRA EXTENSIONS WHEN NEEDED FOR SPRAYING TREES.

GARDEN HOSE BRAND INSECTICIDES

We Supply the Old Reliable Insecticides recommended by Entomologists and Horticulturists everywhere—NICOTINE, SULPHUR, BORDEAUX and ARSENATE OF LEAD. These are made in stick form for use in the Garden Hose Sprayer, with full instructions for their use.

UNSOLICITED LETTERS OF ENDORSEMENTS—Following are extracts from a few letters which are typical of hundreds of endorsements received: Mr. R. C. Brown, secretary of the Meridian Rose Society, Meridian, Miss., writes: "I am delighted with the Sprayer and Cartridges. As far as I am concerned if I could not get another one of these Sprayers the one I have could not be bought for ten times the price I paid for it." Butler Niagara Florists, Niagara Falls, N. Y. state in their letter "We find that your Insecticides and Sprayer are the answer to the greenhouse spraying problem."

Sold Direct — Factory to Consumer — Write for Information

GARDEN HOSE INSECTICIDE CO., B-218, KALAMAZOO, MICH.

A GREAT *new advance* IN FURNACE DESIGN

Mueller's famous quick-heating sections give responsive heat, accurate temperature control.

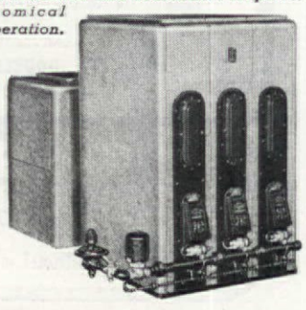
Mueller Climatrol Gives Complete Winter Air Conditioning in One Compact Unit

Climatrol, Mueller's new air conditioning furnace, revolutionizes home heating! A complete automatic system. You need never stir from your easy chair while the Climatrol provides economical, responsive heat from Mueller's amazing quick-heating gas furnace sections . . . the filters clean the air . . . the ingenious humidifier adds healthful moisture . . . and the powerful, quiet Mueller fan delivers this gently floating blanket of filtered, humidified warm air to every room in your home. And it all takes place automatically and noiselessly—turn the Climatrol on in the fall and forget about it—just sit back and enjoy the perfect, healthful living now made possible by this remarkable new unit.

No Other Furnace Like It

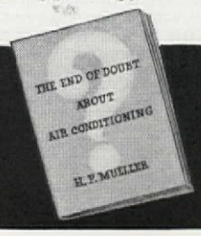
Don't make the mistake of "dating" your home with an out-of-date heating plant. Mueller Climatrol brings you up-to-date —gives you the healthful, ideal home you and your family have always wanted. Find out about this modern heating marvel which may also include cooling, now or later, as desired. Send the coupon below today and learn more about this truly modern air conditioning unit.

SERIES E. *Mueller Gas Era furnace with Climator fan and filter unit attached. This unit is attractive and reasonable in price. Economical in operation.*



Every home owner should read this Free Book

At last a book about air conditioning that you can understand. Explains every type of air conditioning. Tear out the coupon now and be sure of getting your copy.



L. J. MUELLER FURNACE COMPANY

MILWAUKEE, WISCONSIN

L. J. MUELLER FURNACE CO.
Milwaukee, Wisconsin

Please send your book, ☐ "End of Doubt about Air Conditioning;" also literature describing ☐ Gas Furnaces ☐ Oil Heat ☐ Coal Heat ☐ Gas Boilers

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*Address*_____

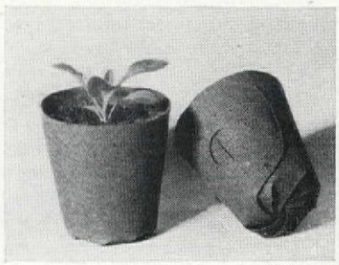
*City*_____ *State*_____

plants from cuttings in the form of commercial preparations of recently discovered chemical substances that stimulate the growth of roots—which is an essential step in the successful growth of cuttings of all kinds.

At least two such products are now on the market, the fruits of several years' investigation and discovery at the famous Boyce Thompson Institute for Plant Research at Yonkers, New York. Of greatest benefit to large commercial growers of plants that are normally difficult to propagate, these growth-stimulating materials are a tremendous boon for even the smallest of amateur gardeners who seeks the greatest assurance of success in rooting "wood" taken from parent plants of known merit or of sentimental or other special value. Here is a new and wide open door to a fascinating field for anyone who is inclined to combine practical horticulture and the sort of science which, only a few centuries ago, would probably have been denounced as witchcraft.

Still another help for such pioneering garden folk—and one that has a variety of additional uses—is a new line of small size, lightweight hotbed or garden sash so designed and built as to be available for covering the conventional temporary or permanent frame, and for building miniature greenhouses of any desired shape or proportions; or even protective glass "garden walls" with which to shelter beds, favorite plants or shrubs, or a particular seat or corner without obstructing the light or the view. Built in standard dimensions—two by four feet —with either two large or four small lights of glass as preferred, and accompanied by strong metal clips that fasten them together in any of several positions, these latest developments of the greenhouse builders' ingenuity suggest alluring extensions of home gardening activities in several directions, and throughout all the seasons. The protection of cuttings made in spring and summer from undesirable evaporation while they are rooting, is but one of these applications.

Now, just one more venture into the field of science applied most practically to simple gardening. It is the development of some entirely new principles along three distinct lines that are now grouped under the general term "Osmoculture." This was created to suggest the important part played in plant growth by moisture, absorption and, especially, the physical phenomenon of osmosis (that is, the transfer of solutions of different densities through a membrane so as to create a balanced condition on either side). This principle is involved in the taking up of soil moisture and food material by roots and it is right here that the new products offered the plant grower fit in. Leaving those interested to get the complete story from the literature available from dealers in Osmoculture products, we can say briefly that these consist, first, of blocks of compressed material to be used as a germinating medium for seeds or a rooting medium for cuttings; second, of a new style small pot for the growing on of seedlings and small plants; and, third, of an absorbent, durable mat to be placed under a clay flower pot in a saucer, from which it transfers a supply of moisture to the wall of the pot and thence to the soil and the plant root system within.



Tripots—a new development in small plant containers

Now, none of these objects is exactly new in theory except possibly the last named (and even it has its prototype in the layer of pebbles, cinders, or peat moss on which many pot plant growers have long raised good crops). But they are all quite different from any previous devices in that they are made of a substance—partly a leather derivative—that is entirely free from cellulose which is a part of all materials made of paper, wood pulp, and the like.

The significance of that is that when cellulose, in a plant container, comes in contact with soil and moisture, it begins to decompose. In doing so, it promotes the growth of certain bacteria that require nitrogen for their sustenance; as they grow, these microorganisms take their nitrogen from the closest available source —that is, the soil. Thereby they may—and very often do—so deplete the nitrogen supply that the plants growing in the soil and container do not secure enough and become weak, spindly, yellow and generally unsatisfactory. Considering that otherwise such plants are receiving the best of care, the grower is likely to be sadly puzzled at his lack of success. According to the "osmoculturists" the use of their materials prevents this nitrogen stealing and, in consequence, turns what might have been a crop failure into gratifying crop success. . . . And thus, as we are constantly discovering, is the way of the plant grower and garden lover, being made smoother, richer, and more enjoyable and satisfying.

THE CUNEO PRESS, INC., U. S. A.

WAKE UP TO NEW BEAUTY... in walls, furnishings, and floors . . . for that room you call your own.

Make it a cheery place for planning and dreaming. Here's a charming example, with a floor of Armstrong's Linoleum, specially designed to harmonize with the unusual decorative scheme. It's a very practical floor, too. Care means simply a quick dusting, and an occasional waxing with Armstrong's Linogloss Wax, which needs no polishing. And this modern floor is warm, quiet, comfortable. The cost? Very modest indeed for a permanent investment that yields such year-after-year satisfaction. Give room measurements to your linoleum merchant, and he will tell you how little you need to pay. His estimate will include cementing your new floor in place over a cushioning lining of felt, the completely modern and approved way to install linoleum floors.

This room is filled with new beauty ideas—twin beds made up as one, built-in vanity table, figurines instead of pictures, and a specially designed floor of Armstrong's Rust Jaspé Linoleum with Plain Black interliners. Complete specifications sent on request.

YOUR COPY IS READY! Send 10¢ (U. S. and Canada only) for our new 36-page book, "Floors That Keep Homes in Fashion," showing all types of rooms in full color. It explains free decorating service. Armstrong Cork Products Company, Floor Division, 3706 Pine St., Lancaster, Pennsylvania. (Makers of cork products since 1860)

ARMSTRONG'S LINOLEUM FLOORS

for every room (A) *in the house*

AIN • INLAID • EMBOSSED • MARBELLE • JASPÉ • RAYBELLE • PRINTED • QUAKER RUGS *and* LINOWALL

Riding is second-nature to this daughter of the Belmonts

MISS JOAN BELMONT, NEW YORK. It's enough to say that Miss Belmont is the daughter of the Morgan Belmonts. As a member of this famous riding family, she has an inborn love for turf and field. At four years of age, she was presented with a pony of her own; today, Miss Belmont is one of the most accomplished horsewomen of the younger set. Like so many of her debutante friends, she is a steady Camel smoker.

These distinguished women are among those who prefer Camel's delicate flavor:

MRS. NICHOLAS BIDDLE, *Philadelphia*
MRS. POWELL CABOT, *Boston*
MRS. THOMAS M. CARNEGIE, JR., *New York*
MRS. J. GARDNER COOLIDGE 2nd, *Boston*
MRS. ANTHONY J. DREXEL 3rd, *Philadelphia*
MRS. CHISWELL DABNEY LANGHORNE, *Virginia*
MRS. JASPER MORGAN, *New York*
MRS. NICHOLAS G. PENNIMAN III, *Baltimore*
MRS. JOHN W. ROCKEFELLER, JR., *New York*
MRS. RUFUS PAINE SPALDING III, *Pasadena*
MRS. LOUIS SWIFT, JR., *Chicago*
MRS. BROOKFIELD VAN RENSSELAER, *New York*

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(above) ***In the Tack Room.*** Miss Belmont, when cubbing, wears gabardine coat and red silk stock. She is a familiar figure in the Maryland and Long Island hunting country. "When I feel tired or a bit let-down," she says, "Camels give me a grand 'lift' ... make me feel glad I'm alive as my energy snaps back. And, though I am a steady smoker, Camels never get on my nerves."

Costlier Tobaccos

Camels are made from finer, MORE EXPENSIVE TOBACCOS... Turkish and Domestic...than any other popular brand

Enjoying Good Food at the Ritz in New York. Miss Joan Belmont enjoys a leisurely luncheon in the Oval Room at the Ritz-Carlton—with Camels between courses and after. Here Camels are a favorite. Smoking Camels is a positive aid to good digestion. Sets up a generous flow of digestive fluids. Increases alkalinity. What a sense of well-being comes to those who smoke Camels at mealtime!

For Digestion's Sake — Smoke Camels