# The AMERICAN HOME

10¢

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WOMAN'S COLLEGE

MARCH 1936

# FOR A BRILLIANT ENTRANCE here's a splendid example, da

color, tastefully handled. Typical of the best Chinese perio
simplicity of motif, it is entirely modern and American in its
tion. Individuality marks the floor. It is Armstrong's Black M
Linoleum, with specially designed inset and border of plai
and terra cotta. It plays its part in the decorative scheme
other floors could . . . yet it is planned first of all for comf
practical service. Dripping coats and umbrellas won't spot th
Tracked-in dirt will disappear after a quick, easy dusting.
now and then with Armstrong's Linogloss self-polishing W
keep the colors sparkling. Cemented tightly in place ov
it will stay warm and c
able underfoot for yea
don't stop at the entran
There are scores of des
choose from in Arms
Linoleum, suited to eve
of room, priced for every
See them at your loca
leum merchant's. Fi
how much comfort and
a few dollars will buy.

*Your entrance hall is the show window of your home. Let it reflect an air of gracious welcome for every guest who visits you. Remember that in a small room like this, the floor assumes double importance. No floor can better carry out your desires in color and design than Armstrong's Linoleum . . . no floor can keep its beauty more sparkling . . . no floor is easier to take care of. (Complete specifications for the brilliant entrance hall illustrated here sent on request.)*

*There's only one satisfa
way to install linoleu
wood floors. Insist on
manent job cemented ov*

NEW BOOK OF HOME B

See what others have done
their homes happier with f
Armstrong's Linoleum. "Flo
Keep Homes in Fashion
36-page book showing all t
rooms in full color. Just s
(40¢ in Canada) to Armstro
Products Company, Floor D
3603 Pine Street, Lancas
(Makers of cork products sin

**ARMSTRON
LINOLEU
FLOORS**

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in the house***

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BEFORE General Electric engineers ever began designing the G-E Oil Furnace, they set up specifications for ideal oil heating—14 points of vital importance to every home owner—a standard against which every oil heating device could be measured. These are listed here so that you may use them as your own check list. Not one of them can you afford to do without; not one is missing from the G-E Oil Furnace.

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5. COMFORT: Famous G-E Thermal Control with electric clock automatically changes from day to night temperature at selected times, operates to maintain even temperatures at all times.
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9. LONG LIFE: Lifetime boiler, self-oiling mechanism.
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13. UNDIVIDED RESPONSIBILITY: Every part made and guaranteed by G-E.
14. BACKED BY QUALIFIED AND RELIABLE MANUFACTURER. Product of General Electric.

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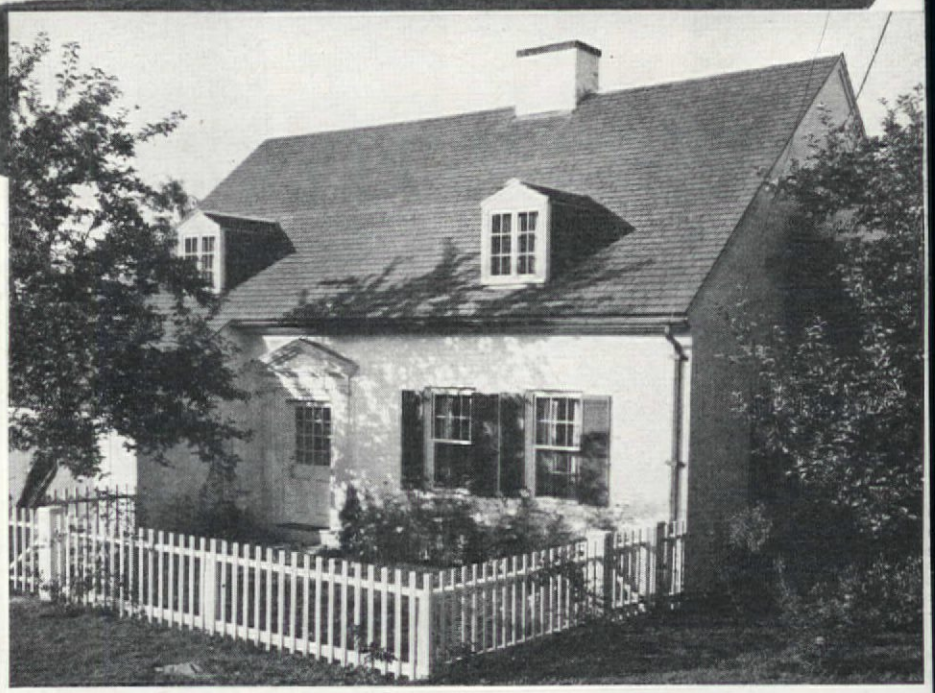

*Cape Cod cottage, Lexington, Massachusetts, designed in concrete by architect Charles M. Willis.*

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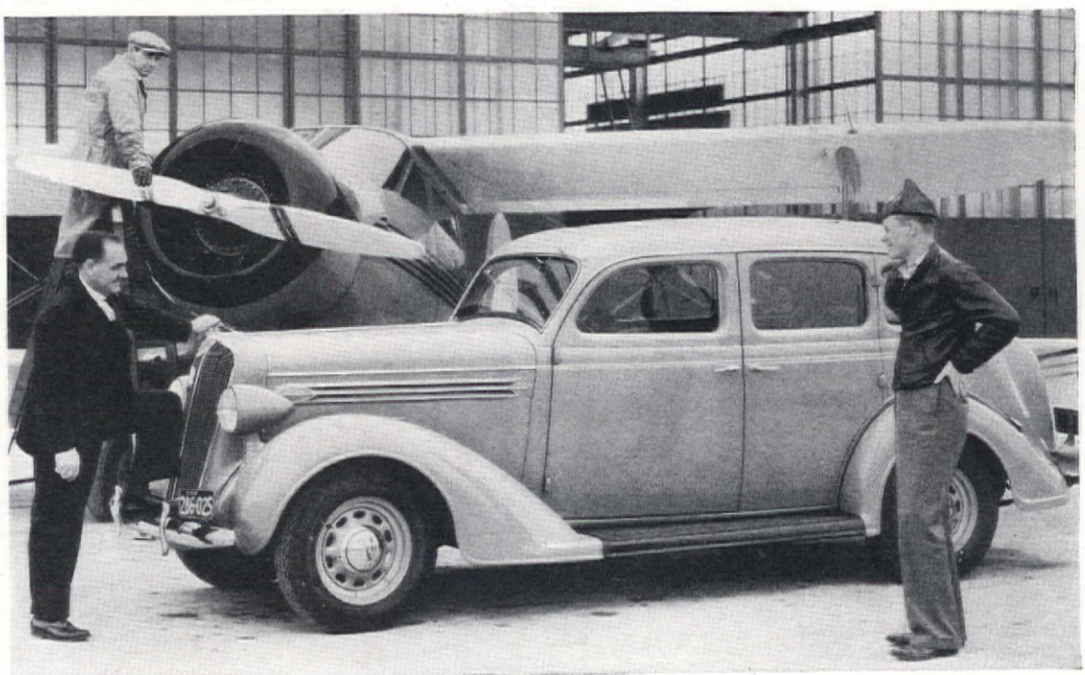
# "5500 Hours in the Air Taught Me About Motors"

A CERTIFIED INTERVIEW WITH GARZA A. WOOTON, PILOT DALLAS, TEXAS

*"THAT'S JUST ONE OF THE REASONS WHY I BOUGHT A NEW 1936 PLYMOUTH!"*

WHEN THE 1936 PLYMOUTH was announced, Mr. and Mrs. Wooton decided to try it out. Performance sold them.

"KNOWING ENGINES as I do," says veteran pilot Wooton, "the economy of a Plymouth engine won me — quick!"



PILOT GARZA A. WOOTON shows a fellow-flyer his beautiful 1936 Plymouth De Luxe 4-door touring sedan model.

VENTEEN YEARS of flying, 5,500 ours of it, taught Pilot Garza A. ton about engine performance.

tried out a new Plymouth. The t-running engine sold him.

That engine is a honey," he says. nty of pep! And a flyer can appre- the vibrationless smoothness of outh's patented Floating Power ne mountings.

Then those great hydraulic brakes the Safety-Steel body...we always safe in our Plymouth."

ry out a 1936 Plymouth for com- economy, reliability. Go see your ysler, Dodge or De Soto dealer.

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# PLYMOUTH BUILDS GREAT CARS

*Left: Garden of Mrs. Joseph F. Ellis, Clarksdale, Miss. Right: Garden of M. Erma Scanlon, Malone, N. Y.*

*Below: Home of Mr. and Mrs. Alfred Hack, Rockville Centre, L. I.*

*Below: Home of Mr. and Mrs. Tandy A. Bryson, Troy, N. Y.*

*Above: Garden of Miss Lula T. Wilson, Russellville, Alabama*

MARCH, 1936

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Mrs. Jean Austin, Editor

Charlotte L. Eaton, Associate Editor

Leonard Barron, Horticultural Editor

*Above: Home of Mr. and Mrs. A. W. Concklin, Hyattsville, Md. Center: Home of Mrs. Ernest Levy, Demopolis, Ala. Right: Home of Miss Lillian Lee Clark. Niantic, Conn.*

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iastically avows her preference for
ntifrice, with its modest little price
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e stains and discolorations.

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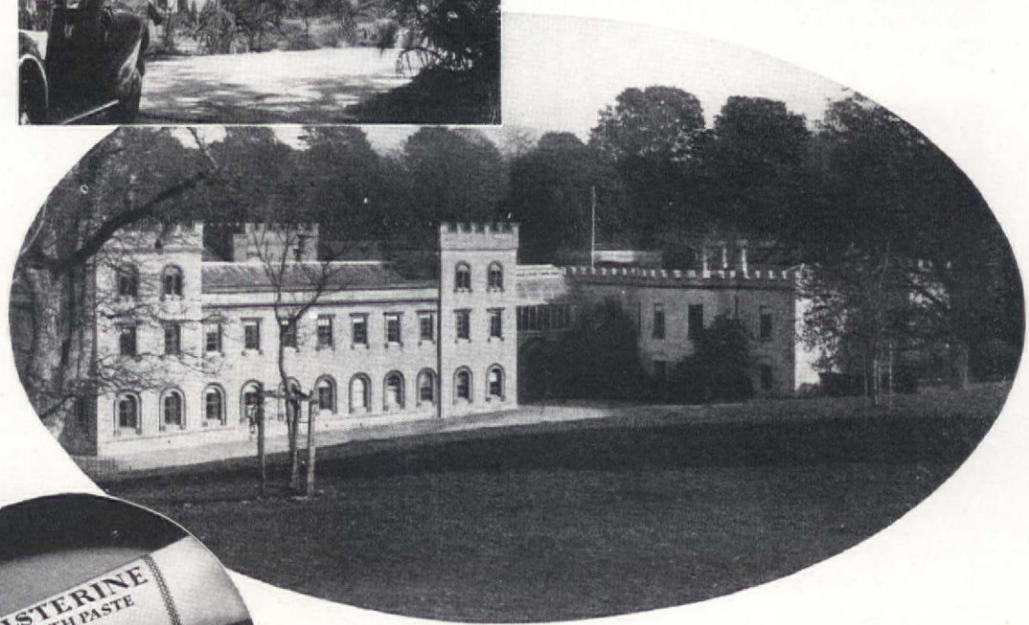
your druggist today and give it a thor-
trial. Lambert Pharmacal Company,
uis, Mo.

*Lady Clifford's cabana on the shores of Nassau's Cable Beach, where much of the informal entertaining of the world's notables is done.*

★ *American born, known internationally for her beauty and charm, Lady Clifford is the youthful mother of three charming daughters. Her life as the wife of Sir Bede Clifford, Governor of the Bahamas, is as varied as it is interesting. She is equally at home in the African veldt or sailing her sloop in the West Indian waters. She is shown here in Court dress, displaying the famous Clifford heirlooms, earrings given to an early Lord Clifford by Queen Catherine of Braganza, wife of Charles the Second. These earrings were part of Queen Catherine's dowry. The stones are large pear-shaped diamonds, set in smaller diamonds.*



*Ugbrooke Park, Chudleigh, Devonshire, English home of Sir Bede and Lady Clifford. This noble castle is two hundred years old and situated on the Clifford estates, which have been in the family since 1100.*

*lice Scourge," Lady Clifford's te-class sloop, a familiar sight in sau's emerald and turquoise waters.*

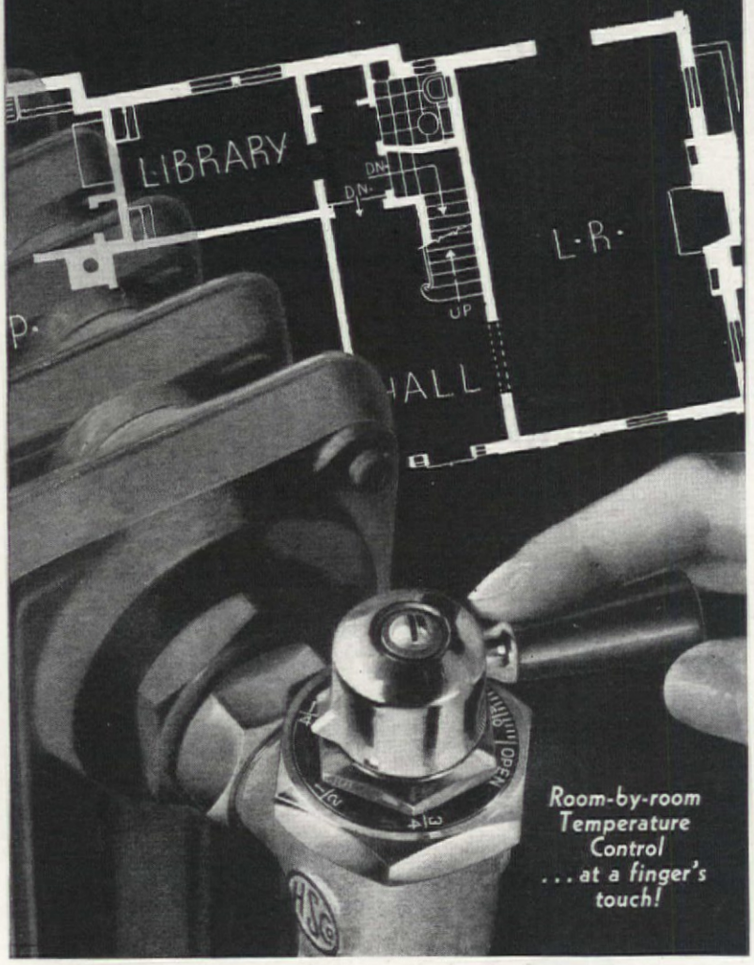
# Listerine Tooth Paste

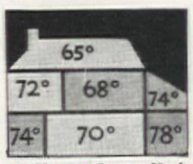
*Of course you'll plan for*

# CONTROLLED RADIANT HEAT

*the basis of True*

## AIR CONDITIONING




*Hoffman Controlled Heat delivers to each room individually, as much or as little heat as desired.*

Today it is doubly important that the home builder give more critical thought to the selection of his heating system—from both the angle of efficient heating and that of adaptability to air conditioning.

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"Here are some other Magic Chef ad that made me decide to replace my ol top burners that give a thousand inst heats and that light themselves when I the gas; a cooler, cleaner kitchen an while savings on gas bills and food."

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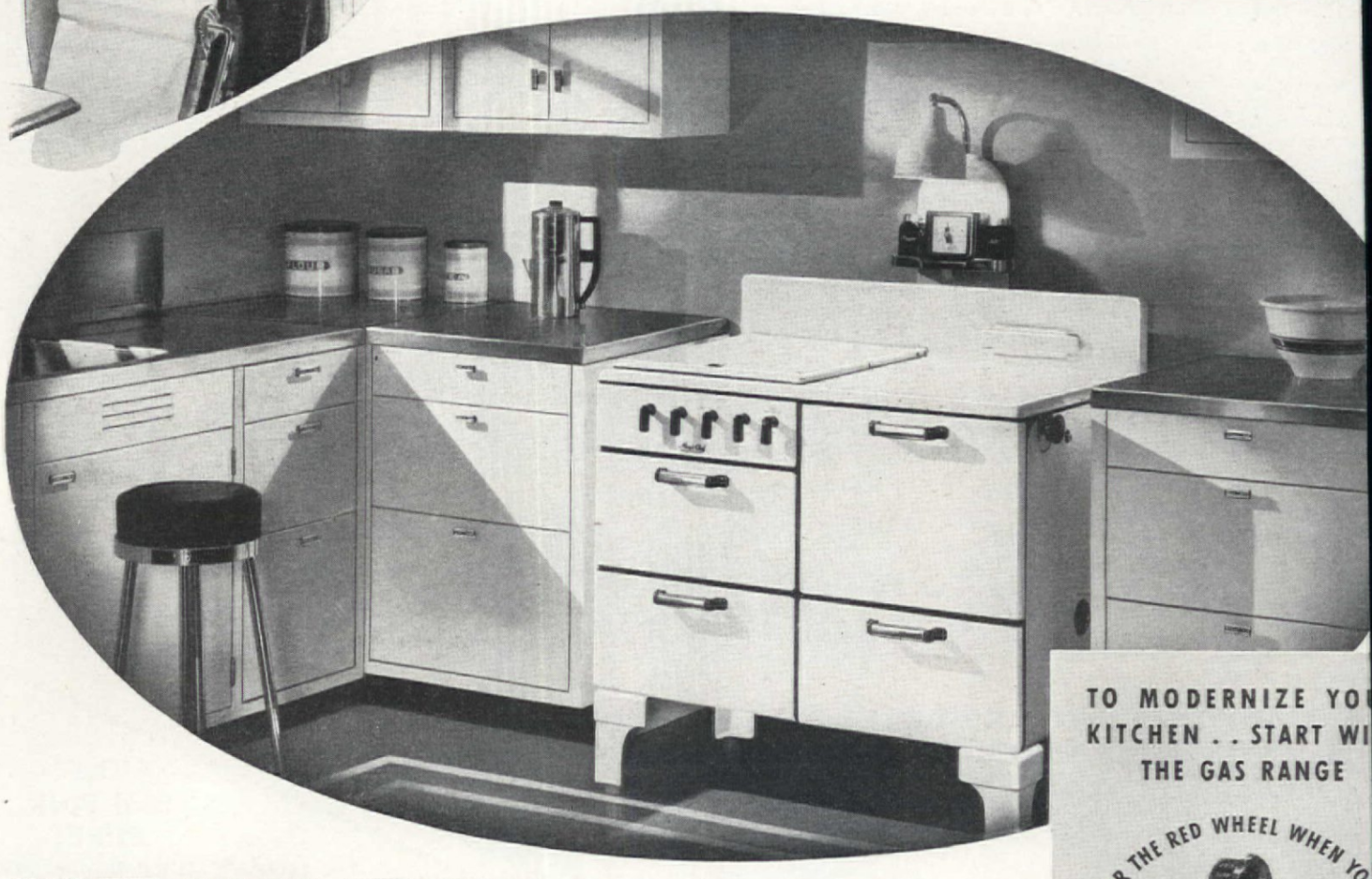

**MAGIC CHEF • SERIES 2100**

An unusually commodious model with extra deep oven and working top; drawer type, smokeless broiler; two utensil drawers; overhead light; standard Magic Chef features; finishes, all ivory and all white, and ivory and green.

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

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*Magic Che*

AMERICAN STOVE COMPAN

YOUR HOME
IS YOUR

# Castle . . .

. . . DON'T LET "CHEAP" PAINT
MAKE IT A

# Shanty

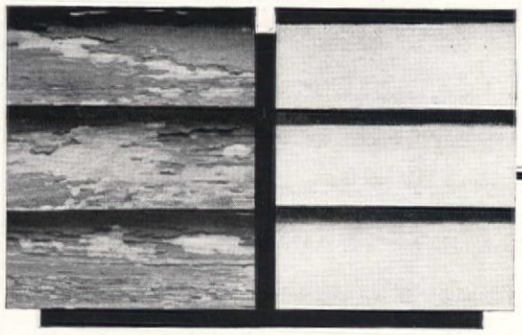
HE eyes of the law your house is your tle. In your own eyes it's a castle, too ome worthy of the best protection you ve it.

at a pity then to let "cheap" paint it. For "cheap" paint quickly cracks cales away in spots, not only ruining the rance of your home but exposing it to vages of the weather.

reover, it's really the most expensive. n you come to repaint, you find you 't saved money at all. For the remains e "cheap" paint job must be burned scraped off down to the bare wood . . . vy extra expense that more than wipes hat you thought you saved. Also, before ustomary repaint coats are applied a new ng coat is needed, and that's another expense.

hat a difference when you paint with n Boy!

re's a paint that does not crack and scale. It resists the weather . . . wears down stubbornly by gradual chalking which leaves a smooth, unbroken surface, an ideal foundation for new paint.



**"CHEAP" PAINT**
*after 1¼ years*

*Cost $110. Now the paint must be burned and scraped off at $60 more. Total, $170, or $113 per year. And on top of all that there's more expense—an extra coat (a new priming coat) will be needed in repainting.*

**DUTCH BOY**
*after 4 years*

*Located in the same community as the "cheap" paint job. Cost $120, or $30 per year to date, which will be still less as time goes on. No burning and scraping, no new priming coat will be needed at repaint time.*

The experienced painter recommends Dutch Boy White-Lead because its durability always backs up his reputation, and because he can mix it to suit the requirements of your job and tint it to the exact color you specify. No one knows paint like a painter.

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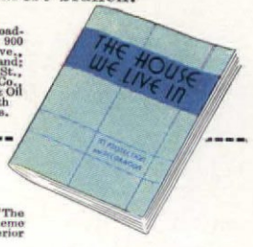
If lack of ready cash prevents you from painting, take advantage of a National Housing Act loan. Monthly payments are surprisingly small. Send the coupon below. It brings you complete information and a copy of our illustrated booklet, "The House We Live In", which tells how to modernize with paint and what to look for when buying a paint job. Address Dept. 236, nearest branch.

NATIONAL LEAD COMPANY, 111 Broadway, New York; 116 Oak St., Buffalo; 900 W. 18th St., Chicago; 659 Freeman Ave., Cincinnati; 820 W. Superior Ave., Cleveland; 722 Chestnut St., St. Louis; 2240 24th St., San Francisco; National-Boston Lead Co., 800 Albany St., Boston; National Lead & Oil Company of Pennsylvania, 316 Fourth Ave., Pittsburgh; John T. Lewis & Bros. Co., Widener Bldg., Philadelphia.




NATIONAL LEAD COMPANY
Department 236
*(See list of branches above)*

Please send me your free booklet "The House We Live In," containing color scheme suggestions and practical advice on interior and exterior painting.

*Name* _____

*Street* _____

*City* _____ *State* _____

"It's a joy to work in a Kitchen like thi

## NOW YOU CAN HAVE ONE...EASIL

● Imagine the thrill of having a beautiful, modern kitchen where everything is convenient . . . where electricity cooks meals automatically . . . even prepares frozen salads and desserts . . . then does the dishes!

The Westinghouse Kitchen Planning Department will design such a kitchen for your home, arranging it scientifically to save all extra steps and motions. The layout will include the modern appliances you now have, plus the equipment you will want for a *completely* modernized kitchen. A friendly budgeting plan makes it surprisingly easy to obtain all this beauty and convenience on a simple step-by-step plan.

In celebration of its Golden Jubilee year, Westinghouse brings to America's kitchens the most modern, beautifully styled electric appliances you have ever seen. The line is headed by the Westinghouse Golden Jubilee Refrigerator that sets a new standard of refrigerator value . . . the sensational Golden Jubilee Ranges with their new "Economizer speed units that cut electric cooking cos 18% . . . and a complete line of great Golde Jubilee appliances for every home need.

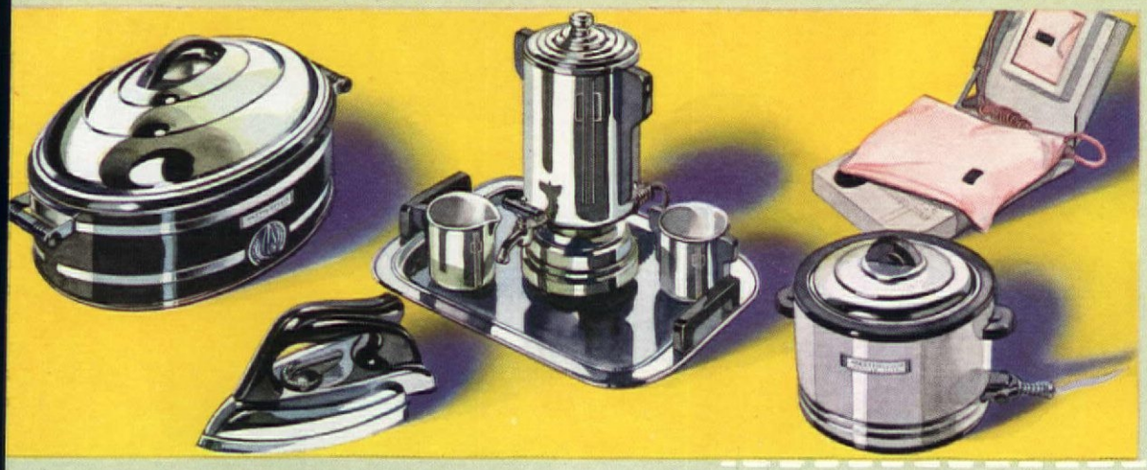
On the next page is shown a beautif 7-color portfolio that tells the whole e tracing story. On its 24 big pages a "before" and "after" pictures of kitchen showing what *you* can accomplish, econom cally. Mail coupon with 10c to cover parti cost. Portfolio will be sent you at onc

WESTINGHOUSE 1886 W 1936 GOLDEN JUBILEE

*Every house needs*

# Westinghouse

# EE WHAT A FEW PENNIES' WORTH OF ELECTRICITY NOW BUYS



• Westinghouse appliances are remarkable for electrical economy. The electricity costs given below are national averages.

• ELECTRIC DISHWASHER. 1c washes a day's dishes, glassware and silver—cleaner and more safely than by hand. Adds usable counter space; sliding racks fill from front.

• SPINNER WASHER. Washes and dries for the line 4 sheets, 4 pillow cases, 15 shirts, 6 bath towels, 2 tablecloths, 8 napkins (24 lbs.) for less than 2c. Uses gentle, *cushioned* washing action.

• PULL-OUT TABLE IRONER. 6c worth of electricity irons all the above, speedily, while you sit in a comfortable chair merely guiding the pieces.

• VACUUM CLEANER. Westinghouse combines remarkable gentleness and super-cleaning power. Vacuums five 9 ft. x 12 ft. rugs *fast*, for 4c.

• ELECTRIC RANGE. This menu for a family of six: Browned chicken and gravy, mashed potatoes, string beans, steamed pudding — uses only 4½c worth of electricity. Westinghouse Ranges have "Economizer" units, cutting electric cooking costs 18%!

• REFRIGERATOR. 4c to 6c a day keeps food in perfect condition, and makes frozen desserts. Mechanism hermetically-sealed in steel; never needs oiling. Fast freezing Eject-o-Cube Ice Tray; 5-year Protection Plan.

• ADJUST-O-MATIC ROASTER. Roasts meat, with potatoes and string beans for a family of six — while you're away, for 3½c.

• STREAMLINE IRON. 3½c an hour. Last word in irons; high speed, lightweight, fatigue-proof.

• ELECTRIC PERCOLATOR. Makes 9 cups of delicious coffee for only 1c.

• ELECTRO-SPEED CASSEROLE. Cooks a meat and vegetable meal for only 1¾c.

• ELECTRIC WARMING PAD. Gives 5 hours of soothing, comforting warmth for 1c.

*Mail this coupon* . . . for free literature giving *full* information on appliances you are interested in. For the 24-page color kitchen portfolio, send 10c with coupon.

WESTINGHOUSE ELECTRIC & MANUFACTURING CO.
MANSFIELD, OHIO

☐ Send FREE literature on _____

☐ Enclosed is 10c. Send 24-page color kitchen portfolio.

Name _____

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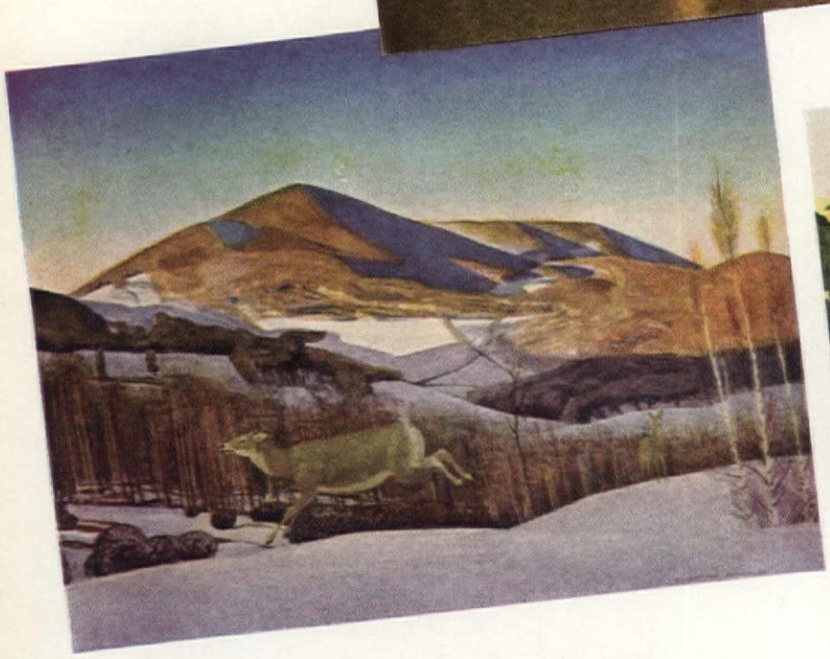
The beautiful Inness canvas at the right, in exact color reproductions and framed in good taste, costs only fifteen dollars in the $19^1/_2 \times 29''$ size, five dollars in the $9^1/_2 \times 13^3/_4''$ size. The Rockwell Kent below, $19^1/_2 \times 25''$, also framed, costs fifteen dollars

*Reproduced through courtesy The Art Institute of Chi*



# ONLY THE WORLD'S *great* ART IS GOOD ENOUGH for your home walls!

*On opposite page:*

Across the top of the opposite page we show Memling's Madonna and Child and one of the most charming scenes ever done by the great Claude Monet—"Argenteuil-sur-Seine." Enjoy the originals at the Chicago Institute of Art—then buy a fine reproduction and bring it home to enjoy

Can't you imagine how lovely George Inness' "The Home of the Heron" shown in center, would look against a mellow pine overmantel, or how comfortably it would harmonize with English furniture?

Not to be out-talked by moderns, who feel that only bare walls are appropriate settings, we show the two smart paintings at the bottom of the opposite page, Rockwell Kent's "Mount Equinox; Winter" and Rousseau's "La Cascade." Modern technique and modern color combinations—perfect keystones for a modern setting

*s page:*

cer's "Young Woman Water Jug." A color size thirteen by eleven half inches costs but one at the Metropolitan m of Art in New York

HEN modern design came into vogue there was, ap-ly, no place in our homes tures as wall decoration. were simply cast out, ex- only the private collec- the connoisseur. Many or decorators featured paneled walls, a return of al papers, and an increased mirrors and hanging fab- ranting that these may be le in many places, after sn't the punishment of "no pictures" served its purpose? And, did we not e too much to those decorators who ed that empty walls would be alto- satisfying when once we became used n?

true, there did seem always to be an d photograph of father and the boys g, a calendar with mottoes for moral and, it may as well be confessed, the framed dining room fish, gazing in sad inty, between lovely, old silver cande- Undoubtedly, we have passed through a ome experience in removing these pic- rom our walls, but, chastened, why not place them with some of the particu- ood original works and reproductions are easily available?

rica, and her museums and collectors, ncurred the wrath of all Europe for pur- g, and bringing to this country what onsider more than our share of the great art. Unostentatiously and quiet- at connossieurs are bequeathing the nd treasures of a lifetime to our mu- Now if Europe should become furious American public's indifference and lack reciation of their heritage, that we could derstand. For it is a sad, but true state- that most Americans avoid their mu- like the plague, and go into them any the day and you will find few but s enjoying them, or using them.

GENEVA HAYDEN

But, you say, you do not enjoy museums? Very well, then, do not ever go beyond the counter just inside their entrance doors, but *go* to that counter. You will find there beautiful, true reproductions of the world's great art, tastefully framed, and for far less than cheap, bad chromos in your department store. Museums too have wares to sell, beyond free access to culture and educational courses. They have the most needed merchandise for American homes—they have great art to hang on your home walls. Few can have the originals, and few can trust their own judgment and knowledge of art to collect new artists when they are still unknown and therefore inexpensive. But *all* may have world masterpieces, in fine reproduction. What though museums do bore you—use their first floor counters as you would use a department store. Go there *first* when you need a picture, and you will keep on going back—eventually, I hope, going beyond that counter!

For instance, the Metropolitan Museum of Art in New York, offers to the public reproductions of famous paintings. The prices are low—a Winslow Homer "Palm Tree, Nassau" for five dollars, and a colorprint of Vermeer's "Young Woman with a Water Jug" for one dollar. As a brilliant bit of wall decoration there is the "Riding Horse and Runner," Indian, Mughal School, 1556-1605, for five dollars. "The Nativity," by Fra Angelico, is reproduced for one dollar.

The Boston Museum of Fine Arts is selling six color reproductions of Japanese prints by Kiyonaga, mounted, for two dollars each. You can buy there a reproduced pastel by Laura Coombs Hills, "Larkspur, Peonies and Canterbury Bells," for two dollars. The Public Library at Boston, sells reproductions of their famous Abbey and Sargent murals.

At The Chicago Art Institute one outstanding offering is Carl Wendt's "Silence of the Night" reproduced in a large size for twelve dollars. It is so lovely that an entire room might well be built around it as a focal point, and with no apology that it is a reproduction. A few of the many other lovely things you'll find in this museum are shown in color on our frontispiece. They were purposely all selected from one museum to convince you of the great variety to be found in any single one of them—pictures for every kind of house, for every room, every taste, and every purse.

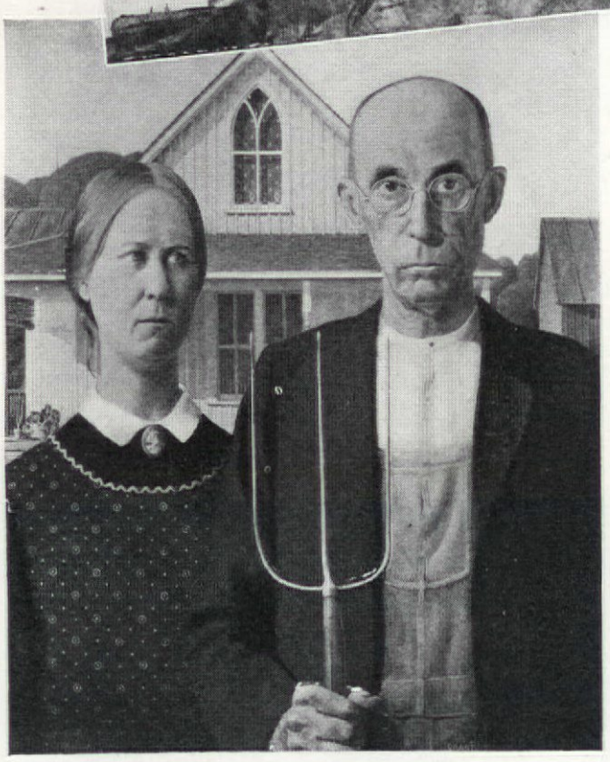
Then, there are very desirable prints put on the market by American, Italian, English, French, and German houses. The names of these firms can be obtained, as a rule, from Art Museums and the Art Departments of large Public Libraries, and these prints are sold by dealers all over the world. The Congressional Library at Washington, has placed on one of

For a young girl's room we suggest "A Rainy Day" by Frank Benson, N. A. In soft dull blues and whites, it is a picture any but the most modern young lady would like to have in her own room

its swinging portfolios a representative collection of the ou
one well-known firm. This firm now states in its catalog: "T
lishing of reproductions is extended into the realms of fir
modern art. The constant endeavor is to prove that good
pictures, when adequately reproduced, will find a ready welc
the homes of discriminating people." Copies of Raeburn, R
and Gainsborough portraits are available. Raphael is reprod
splendid, true colors. There are marines by Whistlers, Turner,
Ahl, and others.

It should be said that good reproductions are usually achie
means of exclusive processes which beautifully carry over
pression of the originals, and should in no way be confuse
colored photographs. The late Mr. Robert W. deForest, a pas
dent of The Metropolitan Museum of
referring to a certain exhibition of rep
tions, said: "It seems clear to me that i
enough that our people have the privi
visiting art galleries where they may see
paintings occasionally, but they should h
opportunity to have good copies of the
they like best to live with every day."

Awaiting your request are catalogs an
phlets sent out by some of the Museums
many of the private firms throughout th
try. Some of these are free and for som
are charges of from twenty-five cents to a
or so. The Metropolitan Museum of Ar



Winslow Homer's "Palm Tree, Nassau" may be had in beautiful reproduction, size eighteen by twelve and a half inches, for five dollars. A living American artist who has earned great fame, Grant Wood, has painted "American Gothic" out of his knowledge of his own mid-western country, and proves that Americana, for early American homes, can be as charmingly atmospheric in this year of grace as were Currier and Ives

Isn't this a lovely day? Seurat caught all the charm of a sunny Sunday afternoon in his "Sunday on the Island of the Grande Jatte." It would be perfect in a guest room where personal furnishings are necessarily sparse and consequently bear that unlived-in atmosphere

The Boston Museum is selling six color reproductions of Japanese prints by Kiyonga, mounted, for two dollars each. Mount them with mats of pongee, flat gilt frames for a modern room

, issues a free pamphlet giving colorprints sold by them, with and prices. Listed also is an interesting group of portfolio s of reproductions, to be purchased in series or in single prints. Chicago Art Institute mails a free pamphlet, giving prices of in of their reproductions both unframed and framed. The eum of Fine Arts, Boston, also sends free, on request, their list of color reproductions. One private firm will send reprotons on approval after correspondence which they feel to be factory. Prices are stated in their catalog.

course, originals by known artists, are beyond the average e, but this is not true of many of the works of our contempoartists. A quick delight in some of their things is sure to follow v visits to the various galleries and studios. For one, The tmakers Guild, of New York, sells, at very low prices, nal etchings and lithographs by well-known artists.

metimes prices of works being shown in art exhibitions are tioned in the newspapers. One notice recently stated "prices n ten to one hundred dollars." A large gallery in New York opened a Department of Contemporary American Art, also ts, "prices five dollars and upwards." More often prices are d in the catalogs which may be purchased at the galleries. e are always exhibitions on in the large cities during the er, and at many resorts and artists' colonies in summer, where l things are sold at such low prices that one has a twinge of cience in carrying them away. Notices of these exhibitions, names of galleries and studios, usually appear in the art sec- of the Sunday newspapers.

nd so, for those of us who do agree that a virgin wall should be n seriously, and with this wealth to choose from, the acquiring ictures should be safe and a happy adventure.

A lovely pastel by Laura Coombs Hills, "Larkspur, Peonies and Canterbury Bells" reproduced below can be purchased for two dollars at the Boston Museum of Fine Arts

And here is something for your Early American or peasant room, "Madame Roulin" by van Gogh, in greens and red. A truly virile bit of color

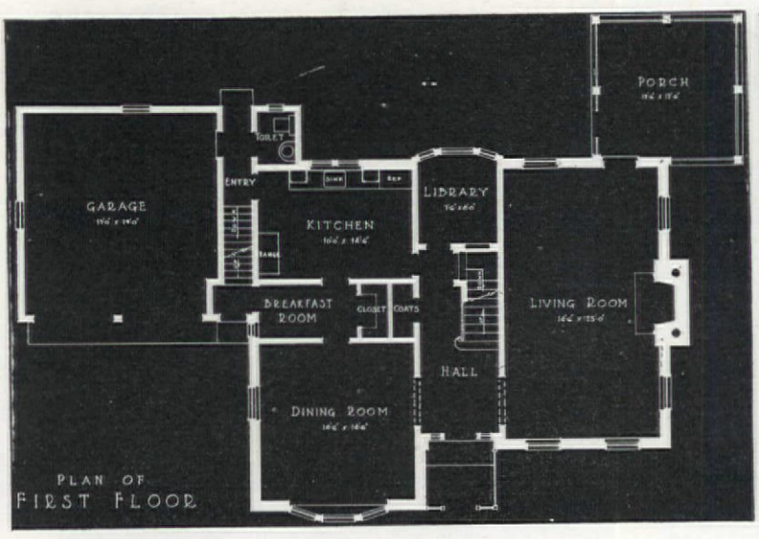
*Ye Little Photo Shoppe,*

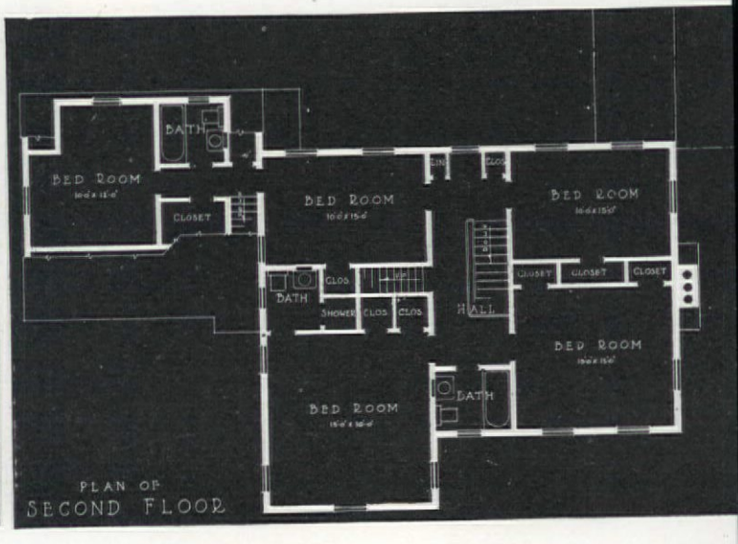
# Two Colonial homes in suburban New York

## I. *The Long Island home of Mr. Monteath Dayton*

Whitewashed brick, white trim, gray stained shingles, green shutters, and Vermont gray slate roof. Construction: poured concrete foundations, wood frame with hand-rived shingle facing, stone and brick veneer, insulation. Random width plank floors in main rooms, sl flagging on porches and terraces. Built in Rockville Centre a cost of $14,000 including oil burner, gas range, and landscap

MAXMILLIAN R. JOHNKE, ARCHIT



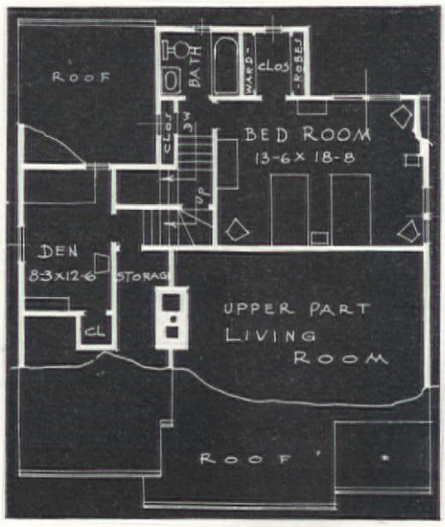
*Gustav Anderson*

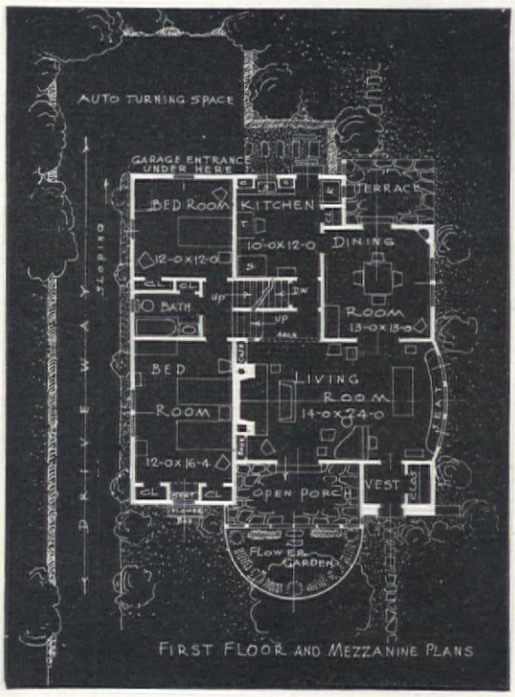
## II. *The Westchester Home of Mr. Louis Gailer*

G. G VIGOUROUX
ARCHITECT

house is located at Mamaroneck, N. overlooking Long Island Sound. exterior is based on some of the best le Provincetown, Mass., examples of e of home in which the outstanding fea- the long, low roofline intended to ward effect of windstorms frequently experi- n the sand dunes section of Massachu- he roof is of slate with shingle walls white and blue colored shutters. The e has been emphasized by treating it so as to vary the texture of white as the other white materials employed. lantern adorns one side of the entrance, he chimney top is decorated by the nchor. A small wood white picket fence troduced to enclose and protect the garden as well as adding Colonial at- re to the whole.

uge old-fashioned fireplace of brick white goes up to the ceiling of the living room and is ornamented by a wood shelf with bookshelves on either ne ceiling is formed by the under side of eams left natural, of which the high point is at the center of room. Under the mezzanine floor bedroom level is located the two-car garage entered from the rear where grade slopes downward. Cost approximately $8,500.

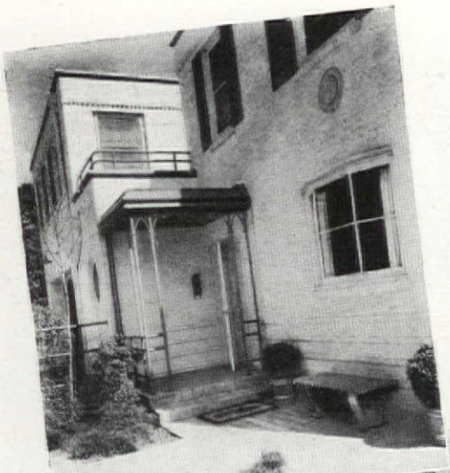


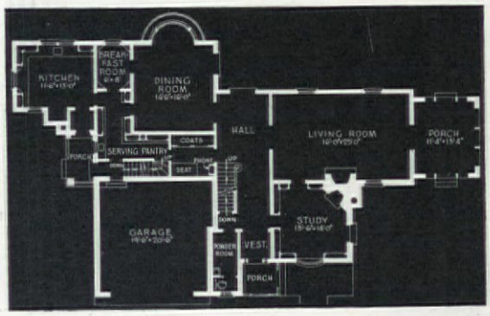



# MODERN ~ in Winnetka, Illinoi

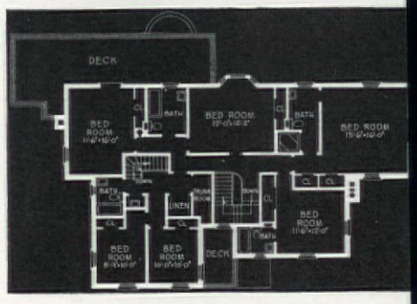
## *The home of Mr. and Mrs. C. S. McCoy*

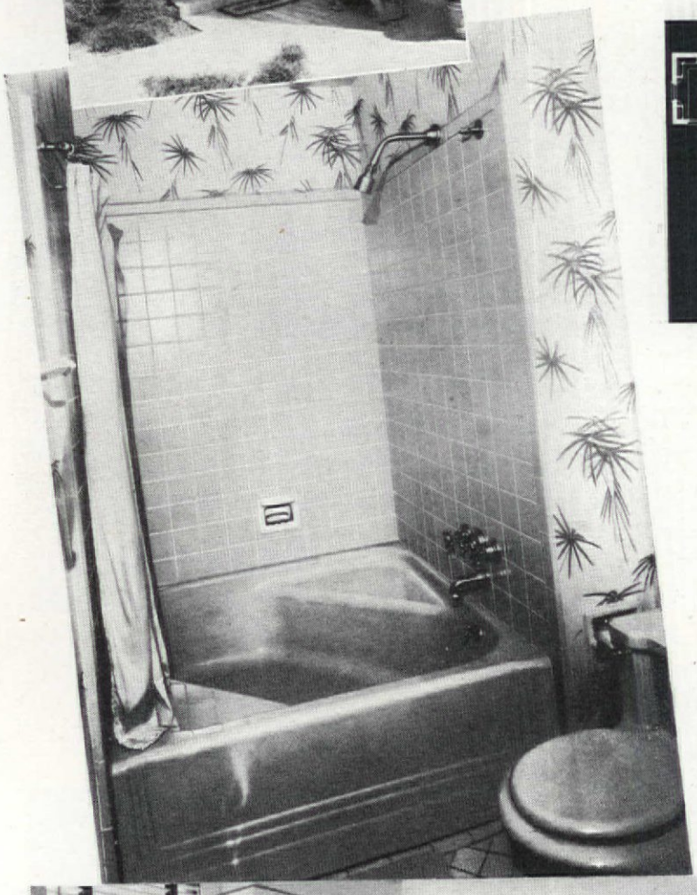
Simplicity in line that lacks severity too often seen in houses of modern design

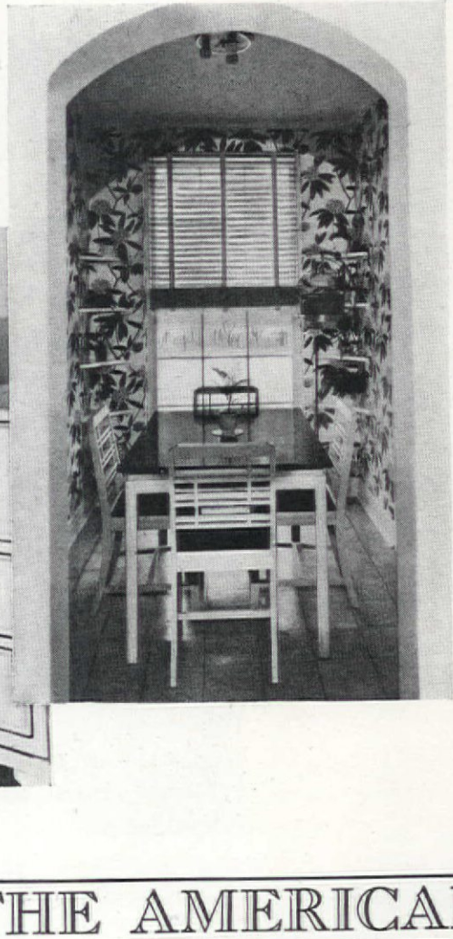





S. S. BEMAN
ARCHITECT





The entrance
at top of page.
interesting in
treats modern
rials with a gr
is not usually
in modern

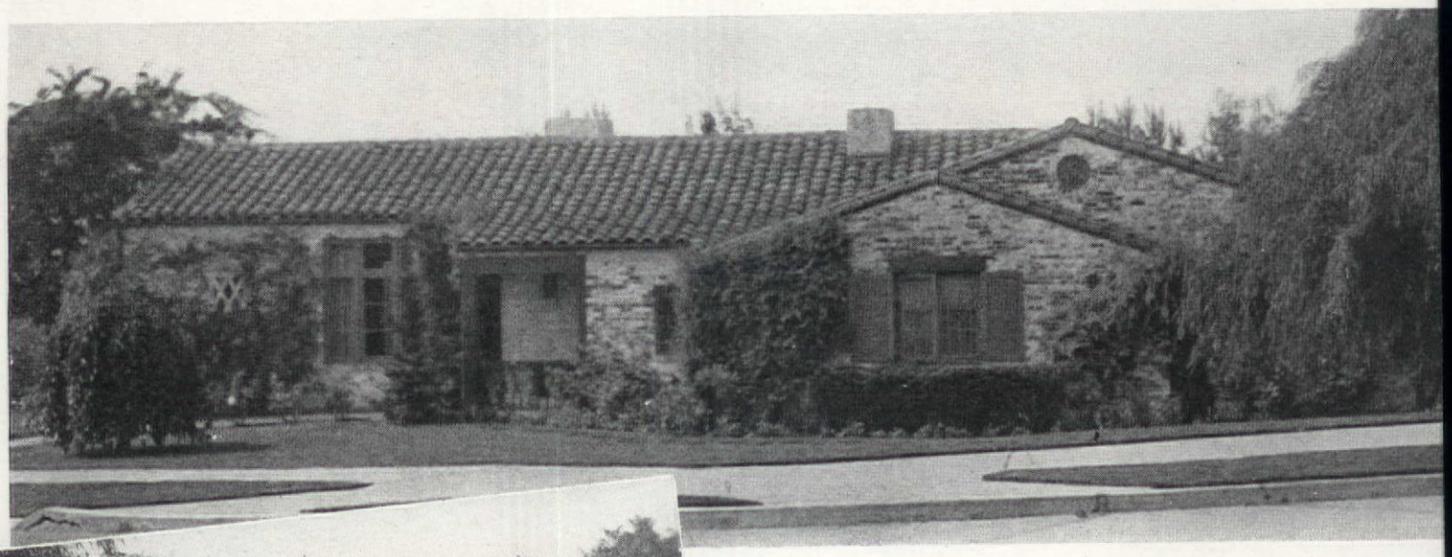
Every inch
space has bee
use, with p
made even fo
and, of cours
floor dressing

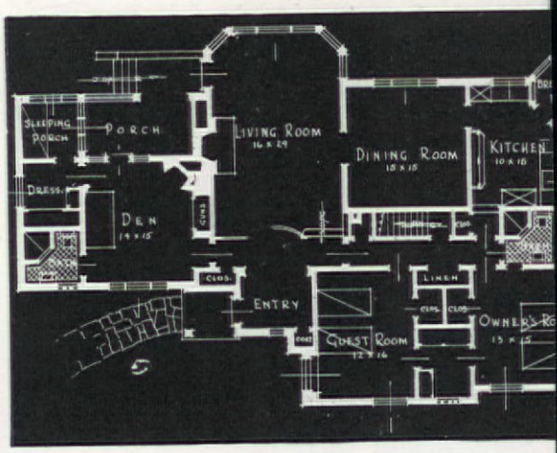
PHOTOGRAPHS
BY
JESSIE TARBOX BEALS

We consider this one of the most attractive modern houses to come our way, a house which intelligently uses the best in modern design without startling all who come upon it or offensive to its neighbors. Many windows and sun decks make use of what we have learned about the health giving qualities of sunshine. Its lines are simple, without being stark or gaunt. It follows the contour of its setting, instead of fighting it, as so many modern houses do. Its interiors are modern in feeling, yet livable, an effect achieved through the use of bold wallpapers in rather modern designs with large areas of plain surfaces used with them

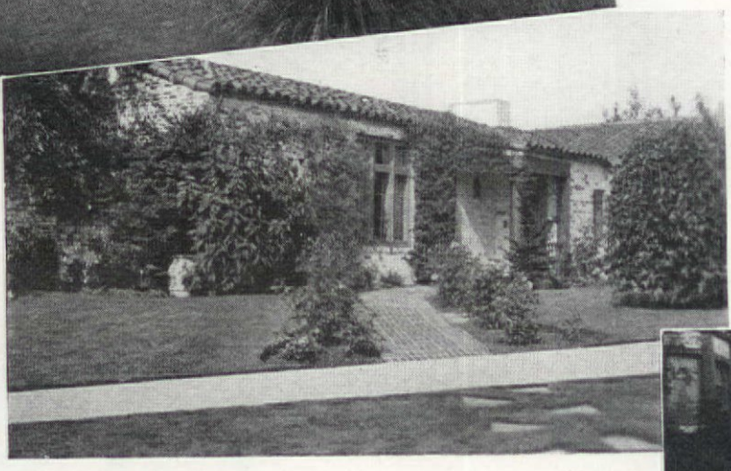
# MEDITERRANEAN STYLE in Seattle, Wash.

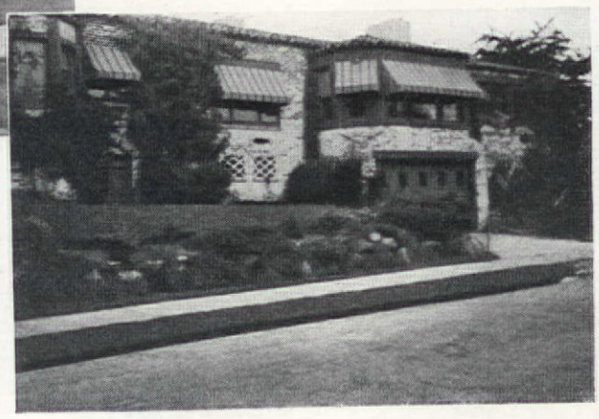
## *The home of Mr. and Mrs. William F. Coleman*






WM. J. BAIN, ARCHITECT





NEITHER the photographs here, nor the drawing on our cover, convey a full idea of the charm of this low, rambling house. For, aside from its pleasing architectural lines, it is the careful thought given to details that make this house so charming. Window grilles, wrought-iron touches, the use of blue against white-washed brick, a beautifully velvety lawn and careful gradations of greens in its planting—these all contribute a large share. For, like the English, this is a style too often badly done.

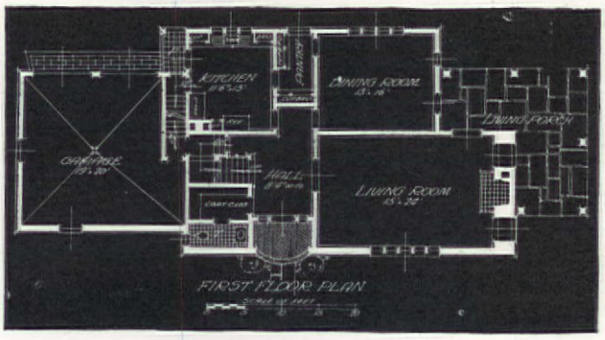
# glish half-timbered in New Jersey

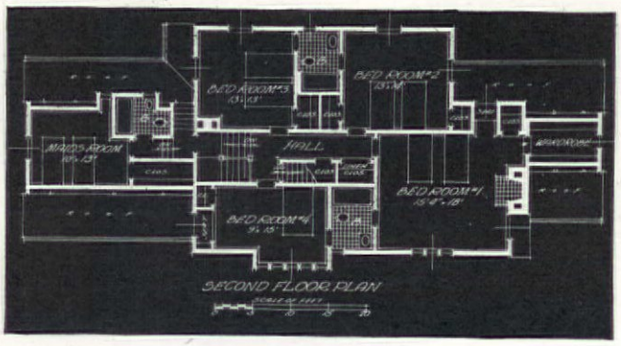
## *The home of Mr. Kenneth S. Neale*

HUNTER, ARCHITECT

e many kinds of bastard architecture in Amer-
ne English half-timbered is more often badly
than any other type. Our large country
, in English architecture, are invariably good.
real estate developers' ideas of a small
h house are ninety per cent atrocious. That
an be done well in miniature is proven here

*Adolph Studley, Jr.*



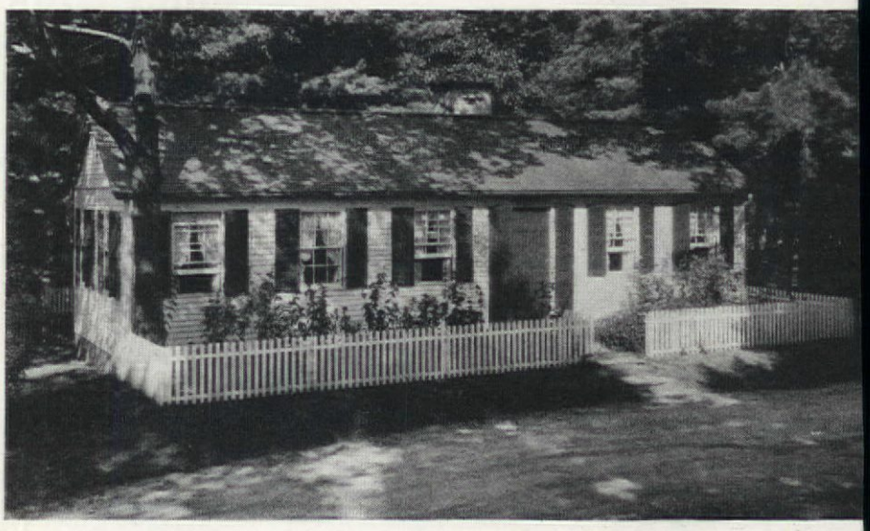



# ~ and these you buy READY MADE

CARL C. HERTER

IT HAS often been said, and with some justification, that the building industry is the most backward of all American industries. Economies are earnestly desired and needed in home construction, but so long as houses are custom made, the American public has a choice of "jerry-built" houses or going without a home until they can afford a really good one. Mass production is required for lower costs, whether it be an automobile, a mechanical refrigerator, or a house. What the building industry needs is another Henry Ford, with the same faith and courage and capital, and Ford methods.

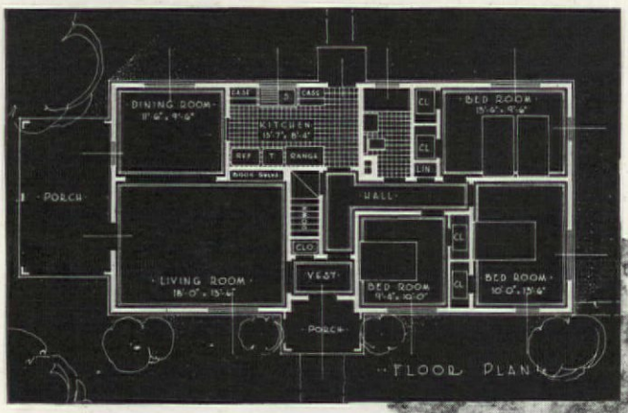
A greater use of prefabricated units will reduce the need of costly field labor, for now each house is a different problem, each house really custom made on the job. Mass production of these prefabricated units will bring about further economies, but just how fast the public will take to this type of construction depends in large measure on the appearance and designs possible to obtain with prefabricated units. European people, of modest means, are far more efficiently and comfortably housed than Americans with the same incomes. But Americans refuse



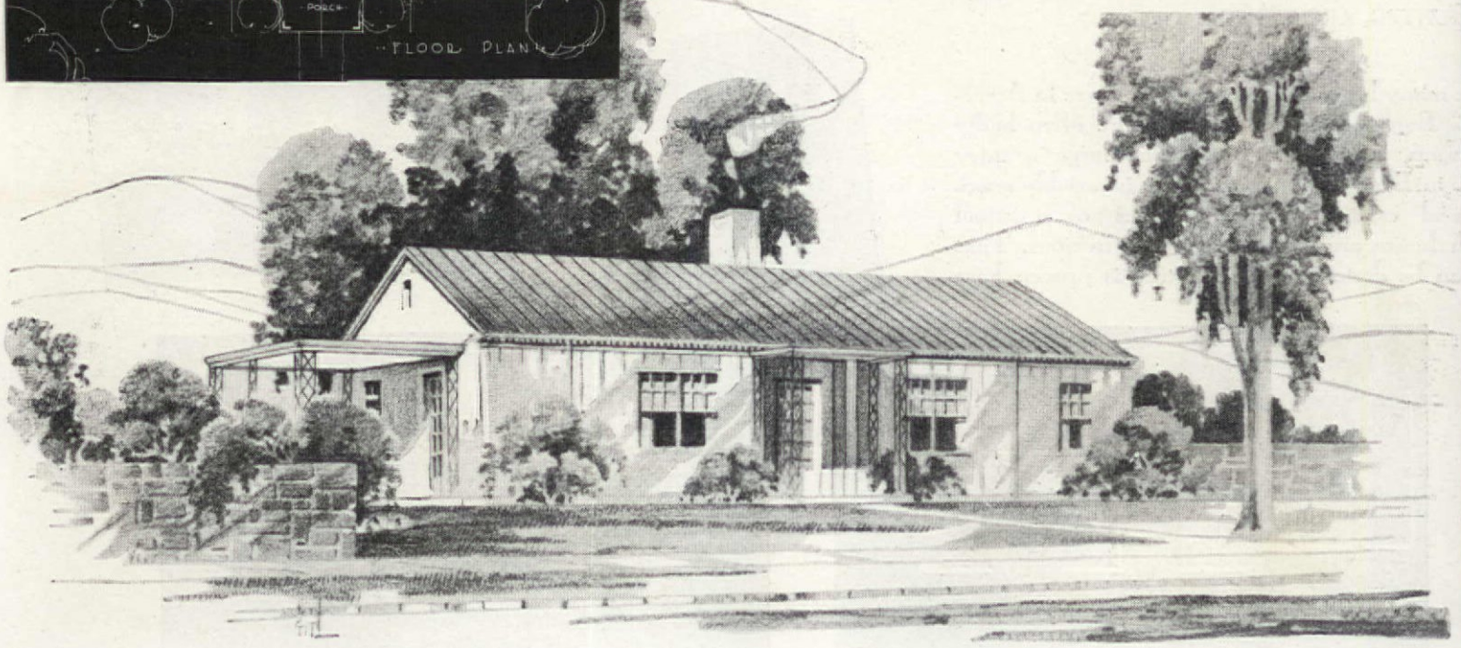
For those who have always thought of prefabricated houses as modernistic ho we present this little white cottage. Forty years ago E. F. Hodgson conceive idea of a house that could be shipped anywhere, erected by anyone in a few h time—and simply bolted together. He is still shipping ready-made houses—an sticking to the Colonial types. There is a choice of two floor plans with this

to be "housed." They want homes—not an efficient cubicle in a long row of other efficient cubicles. And therein lies the difficulty, for it throws us back again to the individual custom-made house.

However, though we commend this deep-seated feeling for a home that is one's own, that expresses one's own individuality, certainly a prefabricated house of even mediocre design is to be preferred to the atrocious so-called traditional architecture which speculative builders




This steel house should be erected for not more than $3, The material cost is $1,600 including garage. Steel build Inc., sell all the materials, excluding masonry, and you n tiate its construction through their dealers or your own contr



rced upon those who do not feel they ford an architect. No housing project many is as depressing as our own pments" of row upon row of ugly which their builders fondly believe English or Spanish—and sell for tra- l architecture. But, aside from the ance of these speculator-built houses, s the even more important factor of and the certainty that no "jerry-built" s cheap, no matter how little one pays m.

abrication does not necessarily mean l houses have to be of the same type, d appearance. On the contrary, any r of designs can be worked out so that ouse will express its owner's individuality. Opportunities are plentiful with these new forms of materials and new methods of using them. They are attractive, strongly built and are a readily adaptive type of construction. Houses can be built entirely of prefabricated materials or units, or of regular construction with as many prefabricated units as desired. In the prefabricated house efforts are made to dispense with as much material and labor as possible, consistant with the American standard of living. Basements are practically eliminated. Excavation is reduced to a minimum. Fire resisting materials are used throughout. Door and window frames come completely assembled with doors, windows, screens, and weatherstripping ready to set into place. Wallboard, plywood panels, Celotex, gypsum, and other synthetic materials are used. Precast concrete in various forms is coming into its own. Modern insulation materials are to the fore—they reduce fuel costs. Light-weight steel sections, copper, and various sheet metals are used.

There can be no doubt that the advantages of speedy erection, fire resisting construction and durability together with insulating qualities, low maintenance, and modern equipment, tend to make this type of construction one which merits serious consideration. No house too small and none too large that it cannot be treated with these modern materials and efficient methods of construction.

It is important to ascertain if the building

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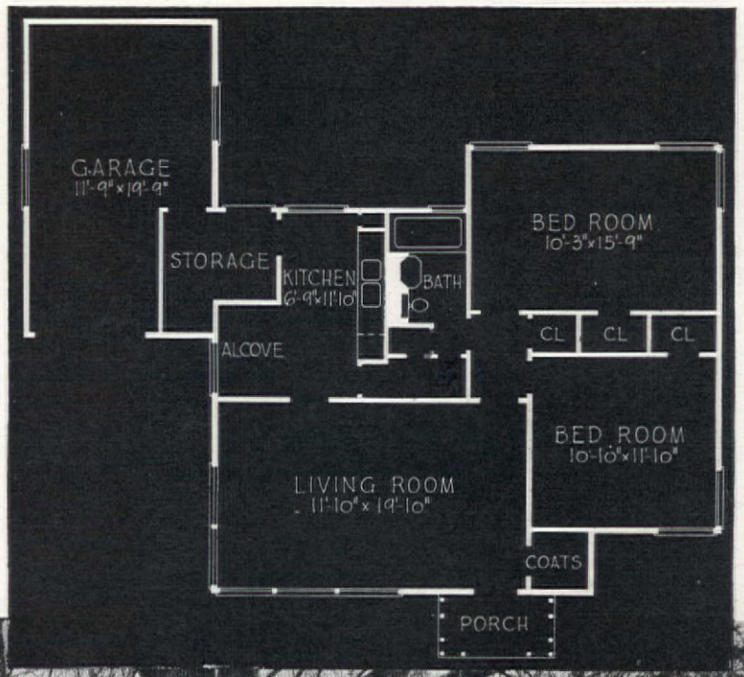
This copper house is now being built in Virginia, just outside Washington, D. C. Rooms can be rearranged like those in office buildings, since the partitions carry no load. Copper Houses, Inc.




livable prefabricated house below was built by can Houses, Inc. at Gladwyne, Pa. Its floor plan, st, and appearance make it well worth consideration

# RCHITECTURAL PORTFOLIO No. 19

# Temperature 70° ~ ALWAYS

WILLIAM R. NORTHLICH

We who will join the builders of the next few years have a vast selection of materials before us. Unlike previous generations of builders who had only materials which their fathers and their fathers' fathers had used before them, we have not only the choice of architecture in traditional or modern style, but, in addition, we have a host of new materials with which to build our homes. We may take advantage of color as previous builders never could. We may build with glass and concrete and steel. We may have every electrical convenience that has come forward since the last building boom. We can use our basements for recreational or living purposes because modern heating equipment occupies less space. And we may control the temperature inside our homes, independent of weather. Such a house is a joy to own—and most certainly a joy to occupy.

There are still many people who would define the word insulation as "the wrapping around an electric wire to prevent shock." But to the homebuilder or the man who will build some day, insulation is a commodity that will keep his new home modern for many years to come, or make it obsolete the day he first turns the key in the lock. Let's take this thing called insulation apart and find out why it is of so much importance.

In the early days, men built thick walls—so thick that the small amount of heat supplied by their feeble heating plants could hardly escape rapidly. As civilization advanced, as its frontiers and cities grew, cheaper and faster methods of construction made their bow to public use. The thick walls disappeared, never to return. Thin walls and roofs couldn't keep heat inside so wood-burning stoves developed into hot-air furnaces heated with coal. Methods of heating rapidly became more efficient, while methods of construction stood still. The cost of heating increased with better fuel and better equipment.

Why not build our modern homes with thick walls? Wouldn't that solve high heating costs? Of course it would—but buildings with the kind of walls that we find in the relics of medieval days would cost far more by the scale of 1936 labor than the modern owner is willing or able to spend in construction. He refuses to be without tile baths and kitchens, electrical equipment, fireplaces, and many other modern conveniences. Besides, he wants his heating plant to take care of itself—and stokers and thermostats cost more than shovels for coal and saws for wood. For cost's sake, then, we must build thin walls; but for convenience, we demand modern heating devices. Our problem is to make our convenient heat cost less in our thin-walled buildings.

The first duty of house insulation is to control heat. Insulation's primary function is to keep heat inside, keep the building warm at all times during the cold season. In summer, insulation must perform the reverse: keep heat outside so that living quarters may remain cool and restful. In thin walls made of materials selected for their strength and rigidity, there is little ability to conserve heat generated by modern heating equipment, nor are those materials able to withstand the attacks of strong sun rays in the summer. Yet heat must be controlled during both of these seasons if a building is to be comfortable and livable.

In proper house insulation we find the one way to be sure about comfort the year 'round. In properly insulated homes, heating plants may be smaller, and, of course, are less costly to operate. Insulation reduces drafts. It cuts down air infiltration and makes it safe for little children to play with their toys on the floor without the danger of taking cold. Insulation makes it possible to keep temperatures even all the year 'round. 70° is the accepted temperature at which we can live in the greatest comfort, and only in the insulated building have we any chance of maintaining an average year 'round temperature of 70°.

New buildings just aren't modern unless they are properly insulated. There is no need to discuss the methods by which a new building can be correctly insulated. Any architect, builder, or lumber dealer can tell you; so can every good carpenter or contractor. Insulation is as necessary as electric wiring, sewage, and plumbing *if* you want a modern, comfortable home which will maintain its value in the years ahead of it.

In years to come there will be few homes—fewer office buildings and working places—which are not equipped with some kind of air conditioning. Insulation, making the control of heat possible to begin with, is really the first step in air conditioning. That is why it is so important to insulate properly new houses and to be prepared for air conditioning, whether it is installed now or later. For your new house it is only sound common sense to figure correct insulation into your budget for to omit insulation is to detract from the livability and resale value of your home, for who will buy an uninsulated house in 1945?

Old houses are not really old, they are just out-of-date. Unlike clothes, or shoes or automobiles, they are not worn out because they have been in use for several years. Nearly always their frames are strong and sound, waiting only for modernization. Remodeling, with correct planning, can be done at low cost. It pays, in pride of ownership if you continue to live in the house, but particularly in increased value and in the protection of the original money investment.

Insulation should always be installed in the attic of an old house. Side wall insulation is optional, but attic insulation is essential. Because warm air rises, attic or roof insulation stops the greatest amount of heat leakage. Attic insulation seldom fails to pay for itself within three years and sometimes sooner.

One other point needs mention in any insulation discussion. Because a considerable amount of heat is lost during cold weather t glass in doors and windows and through around them, the owner who wants the greatest possible amount of comf weatherstrip all doors and windows. W stripping *plus* insulation is a sound pra for, while insulation greatly reduces the heat through walls or roof or both, it prevent heat from escaping through around loosely fitting doors and windo areas where winter temperatures go bel frequently, one further precaution n taken. Storm doors and windows should stalled on sides of house facing direction vailing winter winds. The modern ty good looking and provide plenty of vent

Selecting a material for the insulati home or any other building is like se a modern automobile. Several types w vide lasting efficiency and most have points of superiority. It is well, however sure that the insulation you select is nent. Poor insulation, or insulation that properly applied, is little better than n all and a waste of money.

First and most widely used is what is as "board" form insulation. This ty structural strength and is usually emplo place of some familiar structural ma which in itself, has no efficient insulating There is insulating lath over which pla applied. There is insulating sheathing w used in place of wood sheathing. It is sa board form insulation used in this manr greater structural bracing strength tha zontal wood sheathing. Other uses for insulation are as interior finish to take th of lath and plaster. When used in this fa insulation board may be carved and g or painted and stenciled. Some manufac have designed units of various shapes used without further decoration. They a plied to walls and ceilings instead of la plaster, or over old plaster in existing ings. The natural color and texture of products make interesting surfaces—and cost is quite low.

The second form of insulation with builders should familiarize themsel the flexible type which is fastened be studding in walls and ceilings. The flexibl has certain qualities which are not fou other types. Several thicknesses make i sible to use just the amount your clima quires. Besides providing a high deg insulating efficiency, it is fire resistant protected from moisture and wind by a ing or lining secured to its insulating with water-proof asphalt. It is faster place with nails and lath strips, a featur adds to its permanence.

The third class of insulation is kno "fill-type." There are a number of fil products made of a variety of materials known is rock or mineral wool which m

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*A flower pattern from the world of composites. Photographed by W. F. Winter*

*A panel of pansies photographed by W. F. Winter*

*Clarence Sinclair Bull*

# CHECKS and PLAIDS

RICHARD PEFFERLE

*Virgil Apger*

**Brown and white plaid linen, tobacco brown carpet, beige walls, and white accents for a man's room. At top, the cheerful living room with an interesting use of plaid from the M-G-M picture, "Should Ladies Behave"**

ould be hard indeed find two more likeable ials than checked ging- and plaid chintz and, y enough, they are able in almost every unity. Luckily because can achieve such live- and fresh effects— ies that even the most can relish. Hollywood us some original ideas ing these old favorites coration.

don't know exactly early plaids came into nce, but certainly it's o guess they were born with all the good high- rs of Scotland. In that of Harry Lauder there laids without number, fferent, one design and ng to a clan. We don't st exactly that you run to the nearest dusty tome and look up your particular plaid, if you're Scotch and if you happen to be recovering some chairs in plaids. But we do urge you to give those old pieces of furniture and some of the new a chance to get better acquainted; in other words, to congregate them into a pleasant scheme with the help of some new finishes, plaids and checks, and perhaps a few flowered linens or chintzes thrown in for variety. That's one excellent thing about plaids and checks—so many other patterns will go with them.

In addition to the pictures of some recent movie interiors which we'll talk of soon, let us also call to your attention other ways in which plaids and checks may

Tanner

Above: Another view from a living room set for "Should Ladies Behave" and, at left, red and white walls from a bed room for the moving picture "The Age of Indiscretion." Bottom: Gay plaids in the beach house shown in "Curly Top"

be used in decoration. They are effective as ma pictures—Godey prints, flower prints, hunting prin very small checks in red and white for these), bla white lithographs of bold design, silhouettes, an prints. A little experimenting will probably sugg many more to you. Other possibilities might be on shades and wastebaskets, also for tablecloths, lining small entrance halls, and screens—we even saw som dow blinds of blue and white gingham in a white farmhouse interior recently and they were excelle

Now for the rooms we illustrate. The room on th ceding page shows a French provincial sofa of cha istic design covered in red and white plaid. The cushions are buttoned in white and edged with a ruffle of white, the seat cushions welted in white. The of the frame has a trim double ruffle as an amusing The lampshade is of the same plaid with red and whi fringe. The urn base is red and white enamel. The w this pleasing room are deal washed with white and waxed ever so lightly to give a faint sheen. The ship and copper cooking utensils, the white furniture, and chintzes make this room an appropriate backgrou good living. Another view of the same room, above, the gingham chairs and unusual window treatment the polka dot curtains and how well the plaids blen the chintz draperies.

The bedroom on this page shows a fresh and inte use of plaid as wall covering in blue and white. The

[*Please turn to p*

# American design FOR AMERICAN HOMES

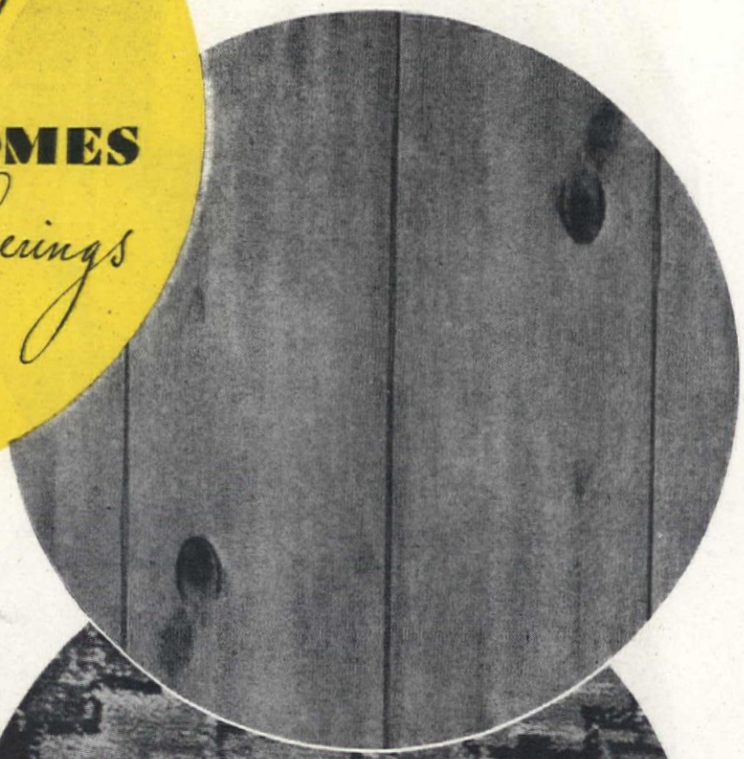
## 3. Floor Coverings

HER SKAAR HANSEN

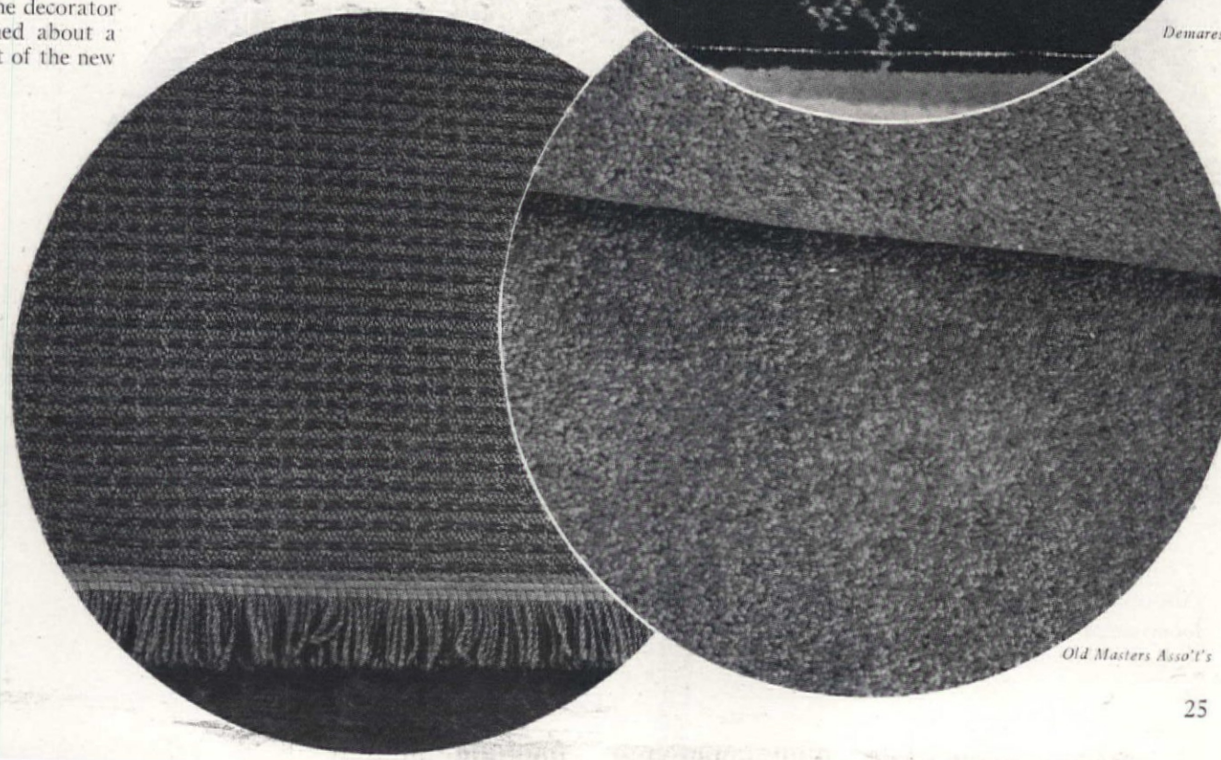
you ever stop to think what an everyday meaning the words "style" and "good taste" have when they are associated with s? When one goes to her favorite shop to buy a new dress, she ex- those two words to be inherently a part of even the simplest cotton. hen they are associated with floor coverings, it comes over one like k that here the words are new; so new in fact that their real influ- did not come into play until the last five years—the depression —and yet are now so accepted as inherent qualities of floor cover- hat it actually seems as if they had always been there.

's look at the floor coverings scene as it existed "P.D."—pre-depres- Supposing you decided you wanted an inexpensive little rug for living room or dining room. Your choice was immediately limited Axminster, a Wilton, or a velvet rug in which the patterns unfor- ely were almost always just a trifle too gawdy. We all remember Or because Orientals, with their fine old tradition, seemed the point in luxury, you bought a semi-antique or an antique Oriental could afford it, and put it into a room no matter what its char- If you wanted an Oriental and couldn't pay for an old one, you nt a reproduction and possibly did not feel as proud of it as you have had of an old one. Plain carpeting, so generally accepted was a decorator idea; it had no mass acceptance, and prices were high in most cases.

w there is a parade of floor cov- fashions such as the decorator only have dreamed about a ears ago. It is part of the new

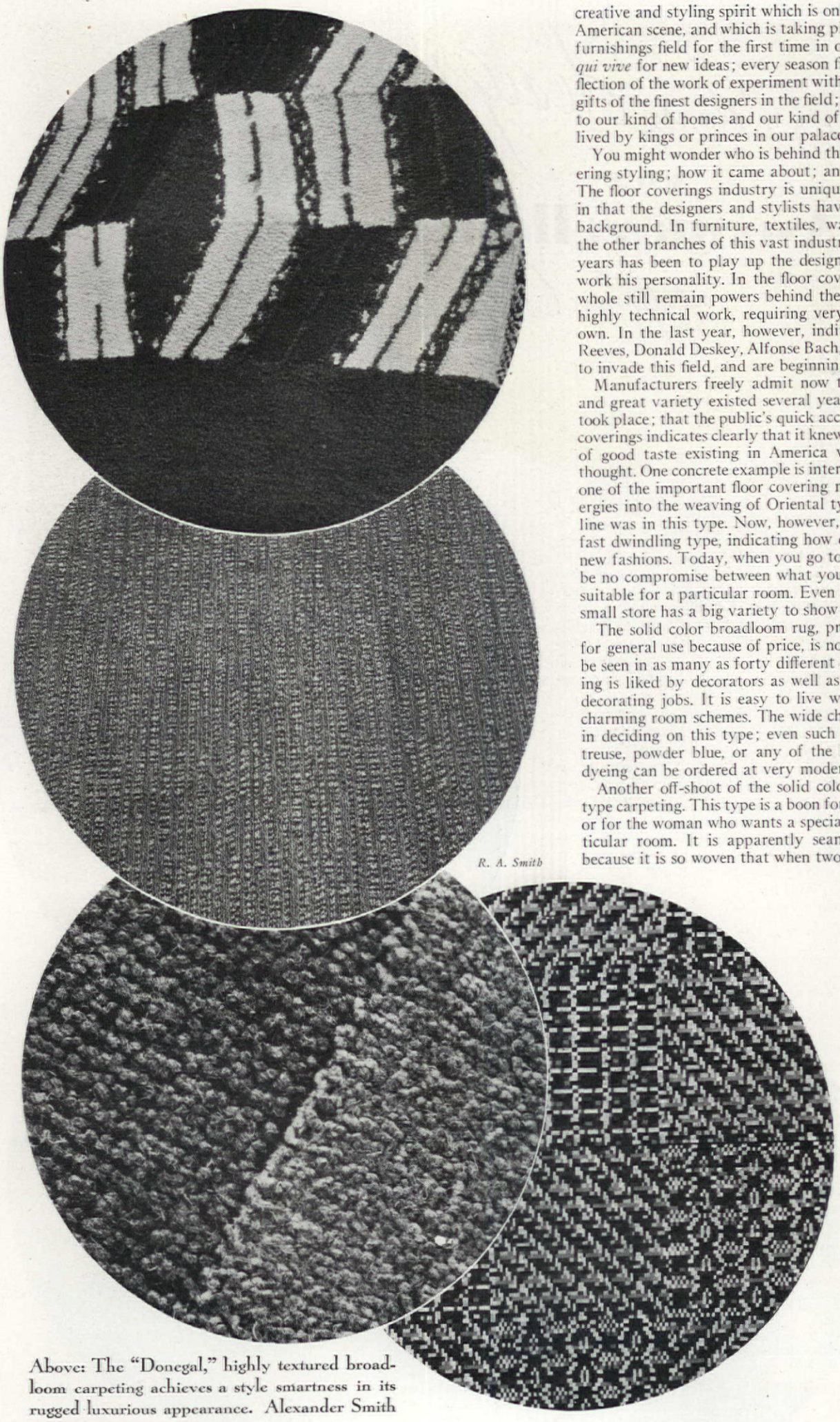


Demarest



Old Masters Asso't's

: Linoleum in pine effect from strong. Next, carpets and rugs: incial pattern d "Log Cabin" Firth. Third, racul," a thick y frieze weave, & J. Sloane. t: a cut and un- pile forming a l shadow-check, W. & J. Sloane



R. A. Smith

Above: The "Donegal," highly textured broadloom carpeting achieves a style smartness in its rugged luxurious appearance. Alexander Smith

creative and styling spirit which is only just beginning to inv American scene, and which is taking place in every phase of th furnishings field for the first time in our history. America is *qui vive* for new ideas; every season finds rugs that are a furt flection of the work of experiment with looms; of calling into p gifts of the finest designers in the field; of adapting our floor co to our kind of homes and our kind of lives, not imitating a li lived by kings or princes in our palaces.

You might wonder who is behind this great movement in flo ering styling; how it came about; and why it did not alway The floor coverings industry is unique in the home furnishin in that the designers and stylists have remained consistently background. In furniture, textiles, wallpapers, china, glass, the other branches of this vast industry the tendency in the p years has been to play up the designer's name, and weave i work his personality. In the floor coverings field the creators whole still remain powers behind the throne. This is because highly technical work, requiring very special design methods own. In the last year, however, individual designers such a Reeves, Donald Deskey, Alfonse Bach, and Lurelle Guild have to invade this field, and are beginning to become definite infl

Manufacturers freely admit now that the need for good and great variety existed several years before the actual mo took place; that the public's quick acceptance of the new type coverings indicates clearly that it knew the need and that the st of good taste existing in America was far higher than ha thought. One concrete example is interesting: Three or four yea one of the important floor covering manufacturers put all of ergies into the weaving of Oriental type rugs. Ninety per cen line was in this type. Now, however, it occupies but ten per fast dwindling type, indicating how quickly the public accep new fashions. Today, when you go to buy floor coverings the be no compromise between what you would really like and suitable for a particular room. Even the most obscure, thoug small store has a big variety to show you.

The solid color broadloom rug, prohibitive only a few yea for general use because of price, is now ordinarily accepted, a be seen in as many as forty different colors. This type of floor ing is liked by decorators as well as by women in doing the decorating jobs. It is easy to live with and to work into pl charming room schemes. The wide choice in color too is a big in deciding on this type; even such unusual shades as white, treuse, powder blue, or any of the hues which once meant dyeing can be ordered at very moderate prices.

Another off-shoot of the solid color broadloom rug is the type carpeting. This type is a boon for the odd-sized or difficult or for the woman who wants a special pattern worked out for ticular room. It is apparently seamless, even with inlaid because it is so woven that when two pieces are joined togeth an adhesive-type backi seams actually disappear surface of the rug. All of odd-sized pieces c worked in with absolut visible joining. If a ci burns a hole in the rug bottle of ink is spille damaged part can be m by having a new piece

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Top: Guatemala designed by Ruth R from Aird-Wa Next, texture is ac through the contra tween a loop pile soft, cut velvety o Shetland yarns, Bi Weavers. Left: a textured effect mark in squares from Big Sanford Carpet Co

# HEMEROCALLIS

*~for rare rich coloring*
*~for long-lasting cut bloom*
*~for unsurpassed hardiness*

THURLOW WEED

NKS to the industrious hybridist, we now e a new race of so-called Lilies—Day- which approach and in many cases sur- e beauty and fragrance of the true bulb uch as the Regal and the Madonna. d with these attributes is the fact that ocallis is the hardiest perennial on the list at the present time.

ring sizes of blossom, seasons of bloom, wer shades of tawny red, pink, apricot, , orange, yellow, buff, citron, gold, and are now available. A selected group of es will produce bloom from the begin- May all through summer and into early time when the garden is, otherwise, uch at a standstill.

se plants are excellent for naturalizing. lly along streams or banks of lily ponds r rather moist shady places. The plants rive in the border if given an occa- watering during dry months. Enthusi- dmirers have christened Hermerocallis "The Perennial Supreme." For hardiness, vigor, and freedom from disease, it is unsurpassed.

The word Hemerocallis is a Greek word meaning "beautiful for a day." The flower was given this name because the blossoms fail at night. Even if the Greeks had a word for it, American flower lovers prefer to call this attractive plant by the easier and far more descriptive name—Daylily.

Hemerocallis plants have been grown in gardens since the turn of the century, being descendants of the half dozen species found wild throughout the north temperate zone from Europe eastward to Japan. But the popularity of this flower has increased greatly during the last half dozen years due to extensive hybridization work which led to the origination and introduction of vastly superior varieties which we have now.

Daylilies have narrow, grass-like, graceful foliage. The plants are all remarkably free from enemies, and need no protection even in the severest winters. The funnel-shaped blossoms are of large size, borne on many flowered stems well above the foliage so that they are readily seen, even at a distance. These flowers much resemble those of true Lilies. While perfectly hardy throughout the North and East, they are also especially valuable in the South and West because of their marked ability to withstand great heat. In the very dry summers of recent years, the Daylily often has been the only plant to survive unscathed.

This perennial grows from thick, fleshy, tuberous roots, not bulbs, and may be planted from September to April, with the roots placed about three inches deep in rich garden loom. If soil is light and sandy, it should be improved by the liberal addition of well decayed cow manure, well mixed with humus and rich soil. Holes should be made large enough to accommodate amply the tubers without crowding. Roots should be spread and the soil worked around them.

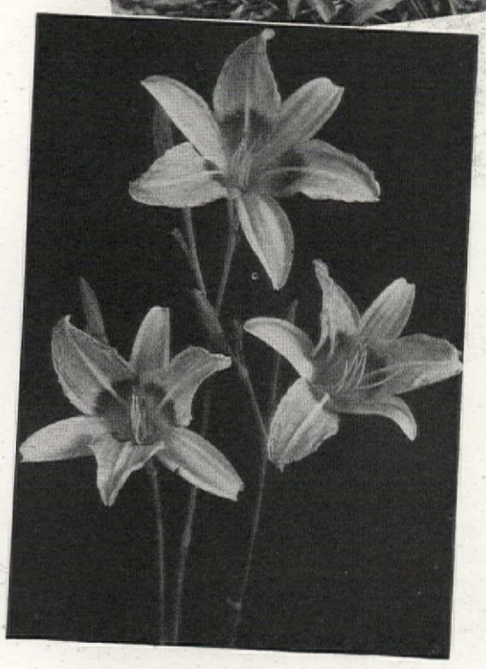
Clumps often may be left undisturbed as long as four to six years without loss in size or number of flowers, but should be taken up and divided at the expiration of that period as in old clumps the roots become firmly matted near the middle. The wasteful competition between the too-numerous roots weakens the general condition and vitality of the plant, causing the flowers to deteriorate.

In any fair soil, if given a reasonable amount

On the preceding page is a selection of flower types showing variation in form and relative size, all greatly reduced. Below: Golden West, tall late bloomer, clear medium yellow. Complete details of illustrations given at end of article

Sweeney, Straub &

P. I. Merry



Recent introductions show such shadings in color markings with dark red throat. Photograph of plants demonstrate how Daylilies increase in effectiveness if they are left undisturbed

of moisture, the plants will produce excellent flowers. The Daylily stands extreme moisture, and even though half submerged the plants will thrive. They may be planted in full sun or partial shade. Except for two or three species, notably fulva and kwanso, the blossoms are very fragrant and all are splendid for cutting. A single spike carries as many as eight to eighteen flowers, each five inches or more across and five inches long. Most plants will bloom the first year; but it is not until the second season that a Daylily shows its true worth, and only then in a rich loam with ample moisture will it reach its greatest beauty.

They may be placed in the perennial background or shrub foreground. They may be used as specimens, or in beds and masses by themselves. Whether planted in the herbaceous border or by a lily pond, their graceful arching foliage, and tall stout flowers and stalks lend charm. Some of the early varieties combine beautifully with Iris, while later flowering ones contrast vividly with Delphiniums, enhancing the beauty of each.

Luther Burbank originated a number of beautiful varieties. His pioneer work has been carried on in this country by Stout, Betscher, Nesmith, Farr, and Sass; and in England by the noted hybridizers Perry, Yeld, and Mead.

The varieties range in height from the dwarf Dumortieri, which grows ten to fifteen inches, to the giants Hyperion and Sunny West which exceed four feet. Most of the varieties average from two and one half to three and one half feet. Prices range from twenty-five cents up, depending on the scarcity as well as the quality of a variety. Most of the better new originations retail from one to two dollars, with late novelties commanding a higher figure.

With more than one hundred varieties now on the market, the flower lover has an adequate list from which to choose, both as to color and as to time of blooming. Among the good and June blooming varieties are Ap Dumortieri, Gold Dust, Sirius, Sovereign, gerine, Dr. Regel, The Gem, and Crow Gold. Blooming during June and July Cissie Guisseppi, Mikado, Queen Mary, R Sunkist, Sunset, Cinnabar, Golden Bell, G Mrs. A. H. Austin, Soudan, Vesta, and Bun.

Those blooming in July and Augus Ophir, Anna Betscher, Calypso, George Hyperion, J. A. Crawford, Shirley, Sir Mi Foster, Thunbergi, Lemona, Bay State, Wyman, Cressida, and Goldeni; while blooming in August and September are Imperial, Iris Perry, Mrs. W. H. Wy Star of Gold, Sunny West, Golden D Citrina, Gay Day, and Gypsy.

The new hybrids which are being origi by crossing the related species and re-cr the resulting seedlings, represent the last in scientific breeding. The flowers are made larger; the stalks are being made and more floriferous; the color range is constantly widened; and the blooming s is being gradually lengthened. One is astou with the many new types and colors have been developed recently. It is diffic compare them with the older forms as are so different and so much improved.

Among the best of the new hybrids is nabar which blooms in July, grows two one half to three feet tall, and bears eighteen flowers on a stem. These blossom a fine delicate shade of brownish red, both sepals and petals glistening strongly gold. The throat is of cadmium yellow. bloom spreads five inches and is recur Another popular variety is Anna Bet which blooms in July and August and g around three feet in height. It bears sm open, large, light golden yellow flowers, ening in tone toward the center, with b glistening and overlapping segments.

A recently imported novelty is Byn Vimy which grows four feet high, pro

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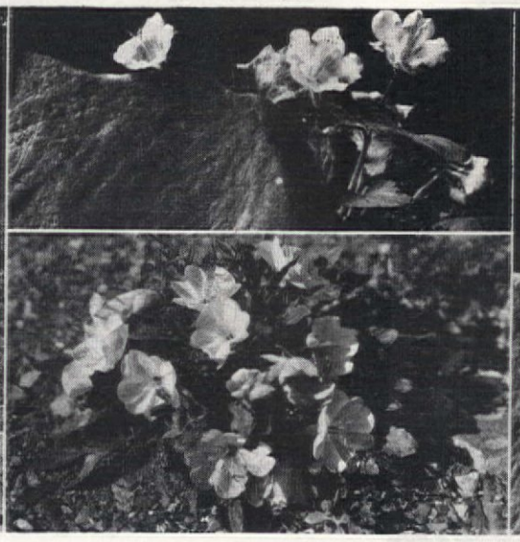
# Quick fillers in the ROCK GARDEN

ANDERSON McCULLY

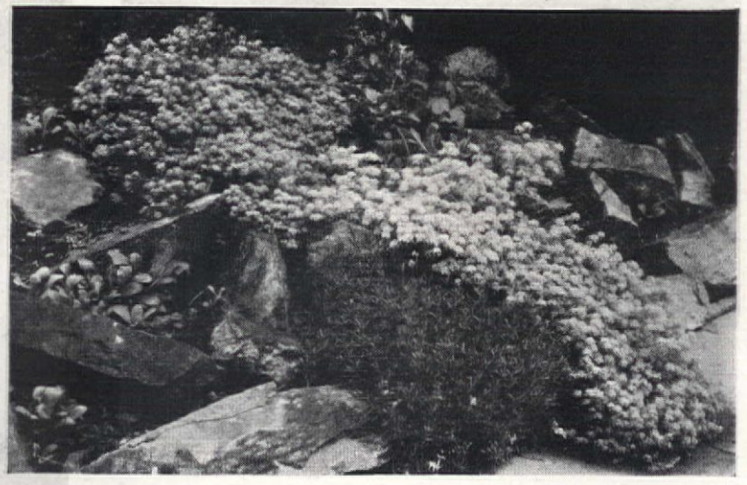
Two really easy growers. In fact, they will need restraint. On the left, the glistening white of the Wall Rock Cress (Arabis albida) more generally useful than the Alpine or Mountain Rock Cress. On the right, Sedum anglicum, easily raised from seed, and particularly good to clothe and hide poorly shaped stones and rocks



an have the Greek Cress (Aubrietia) in a variety of if you sow seed. The flowers range from very purple to lilac. Needs half-shade and some lime

Here is a Tufted Evening Primrose. Oenothera californica is annual or biennial, 3 or 4 inches high; O. caespitosa, perennial. Both open white and become rose

Phacelias have flowers of violet or blue. Above, Phacelia sericea, a perennial from northwest, growing a foot high. Top center, P. campanularia, an annual from California

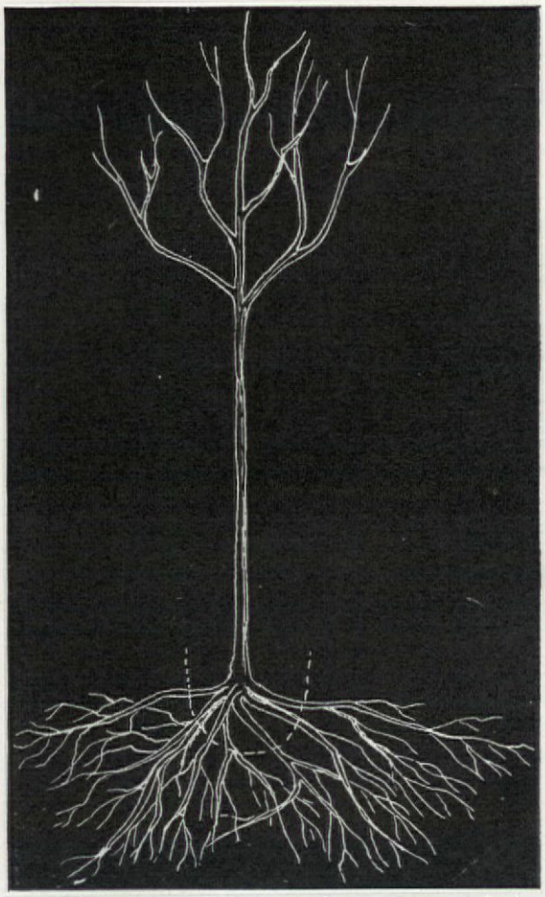


(*See article on page 97*)

There are hardly any more pervasive plants than the Sedums. On the left, Sedum mexicanum, an evergreen with golden yellow flowers; sometimes known as S. aureum. On the right, perhaps most popular of all the golden flowers of the rock garden, Alyssum saxatile, Gold Dust or Basket of Gold. Both reseed freely

# PRUNING for everyone

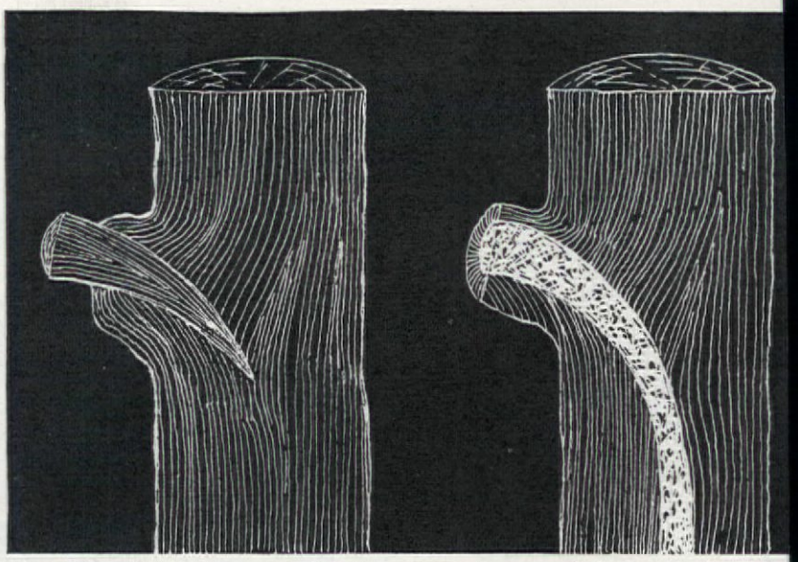
ELIAS J. BE



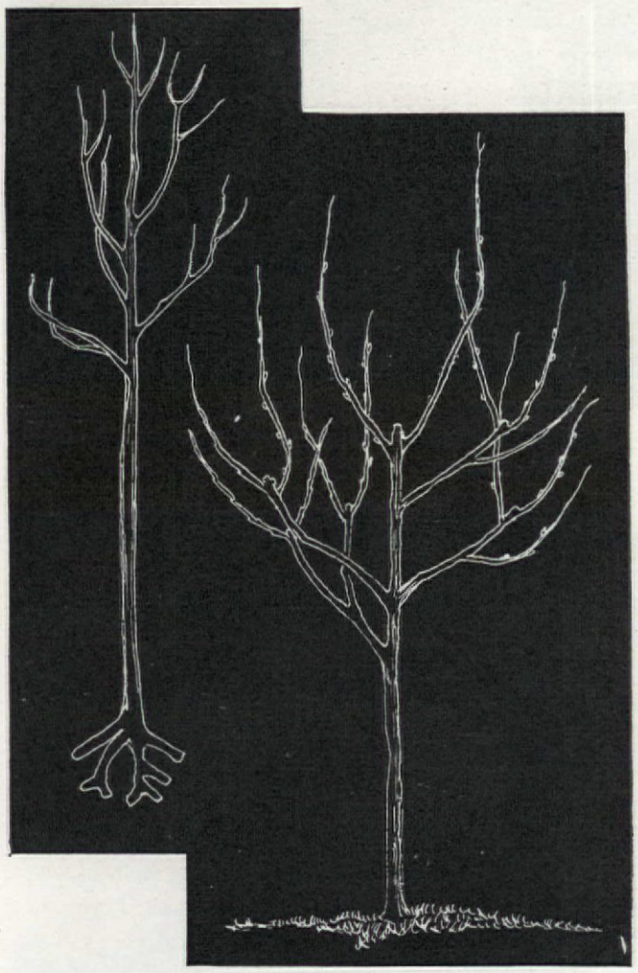
In ordinary transplanting the majority of the young roots are cut off and left behind (see curved dotted line) with the result as illustrated below

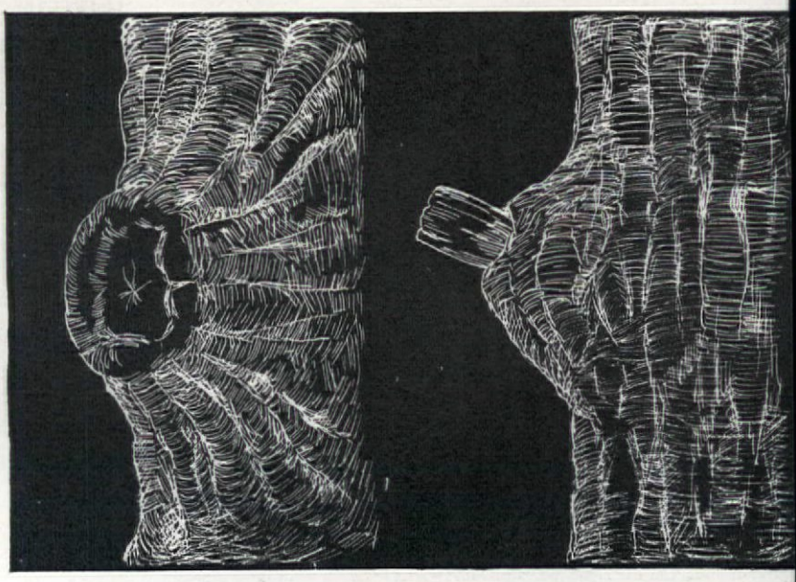
How many times does the beginning gardener ask; "Why do you prune?" and, "Just how should I prune this plant?" Often times I have been "taken to task," so to speak, by people who would like to be looked on as sort of public plant protectors because I have cut out certain limbs and branches from certain trees or shrubs. These people will argue that pruning by man is not necessary as Nature takes care of its own. To the uninitiated the cutting out of a healthy and flourishing branch of a growing tree is foolishness; and that by doing so I am only mutilating and destroying the natural beauty of the tree. However, the professional grower knows only too well what happens if we allow all of our trees, shrubs, and other plants to grow in that *laissez faire* method and without control.

Allowed to develop in their own natural way most ornamental plants would few years be crowding each other and tle for the survival of the fittest is on. the more or less artificial conditions den cultivation where specially vi growth is encouraged, some kind of —pruning—is necessary. We spac specimens so that the natural way o ning or pruning cannot take place. Th vated soil of a garden is usually riched with added plant foods that in many cases grow abnormally. The distance between the different who tiers of branches which develop at t of each growing season is too grea gives the tree or shrub an "open" a ance as though it had been grown in cession of stories. By the careful and ing use of the pruning shears the ga shortens this annual growth and in th



If a stub is left in lopping off a large branch rot and decay, as shown o right, will eat to the heart wood of the tree. New growth never heals o dead stub. Cut as close as possible to the main trunk or branch (see b





Left: As ordinarily handled, the young transplanted tree has roots like this. Right: A well-shaped, well-branched tree, the result of properly pruning back the young growths

he distance between the branches formed
ie successive growing years. The result is
ompact and symmetrically formed tree.
uning is not done only for heading back
th of certain plants. The orchard owner
is fruit trees in order that he may have
t is less in quantity but superior quality.
reason for cutting away undesirable
of certain brittle and long-branch va-
ornamentals and fruits is to lessen the
f damage by storms. The Silver Maple is
ent example of the type of plant which
eds pruning to protect it from storms.
adictory though it may at first seem,
nen prune their stock to accelerate or help
th of their plants. Weak and somewhat
y nursery stock may be brought to a
condition by severe cutting back during
ng period, causing the strength of the
ot system to be concentrated into one
lk or trunk. Older trees are often reju-
by severe pruning. The cutting back or
g of really old fruit and shade trees is
"dehorning" and causes the development
nd strong shoots which develop into fine
mbs and branches.
pruning when transplanting is done to get
smooth cut on any mutilated root ends.
ot tissue should, of course, always be cut
avoid rotting. Cuts on roots that have
naged by digging should be clean, smooth,
e in such a way as to let the exposed sur-
ne directly in contact with the moist soil
f the sides or the bottom of the hole into
is to be planted. With most ornamentals,
ns, and deciduous plants as little root
is possible should be cut away. On the
and, fruit trees can endure severe root
and are benefited by it.

The growth of the top or branches of a plant is dependent upon the food supplied by the roots and when this root system has been greatly reduced, due to digging and the necessary root pruning, and since the roots are not able to begin at once to function in their new position, it is wise to cut back the top in nearly the same proportion as the roots have been. The demand for water made upon the roots by the branches cannot otherwise be met adequately in a newly transplanted tree.

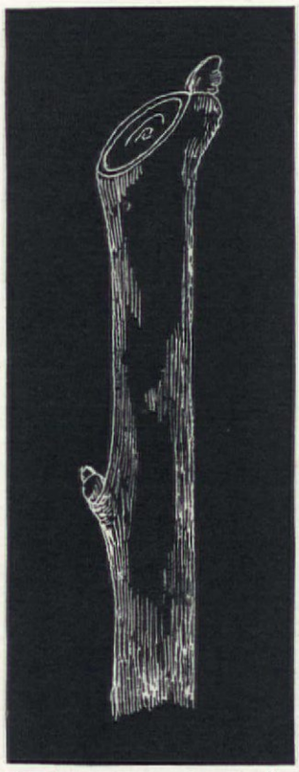
The ultimate shape of a tree depends upon the manner in which any pruning is done. With ornamental evergreens the lower branches must be saved and the closer together these grow the more valuable the tree. With shade and fruit trees the opposite is true. The ideal head (i. e., the total mass of the branches) varies with different kinds and the use to which the plant is to be put. The main structural branches of a tree should be from three to five limbs of about equal size. A tree divided into two main branches is more likely to split at the fork than is a tree of say five branches that leave the main trunk at different heights.

During the first ten years of their lives trees make a longer natural annual growth than in later years. So, young trees need much more frequent pruning to keep them in a good symmetrical form.

Correct pruning is done in the nursery when the tree is young and if the person who buys the young tree takes proper care also the subsequent removing of large limbs from trees and shrubs will not be necessary. Because this has not been done it becomes necessary to prune large limbs from the older trees about the country roadside.

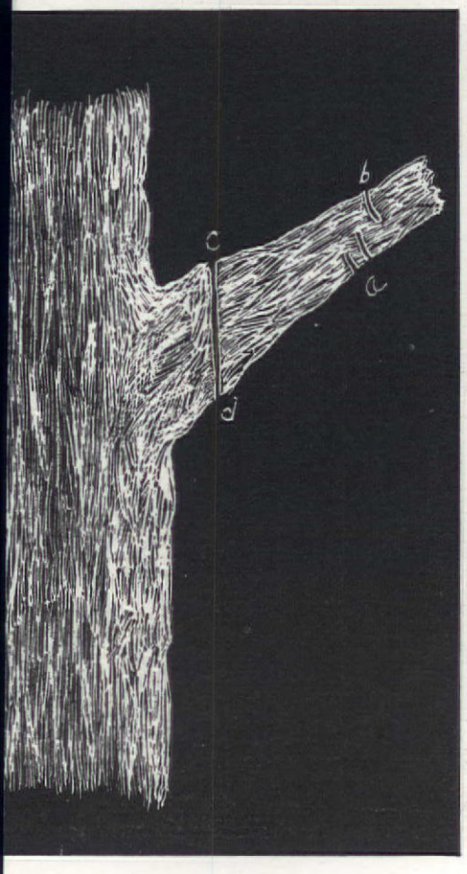
Where the pruning requires the removal of smaller or annual growth rather than the heavier

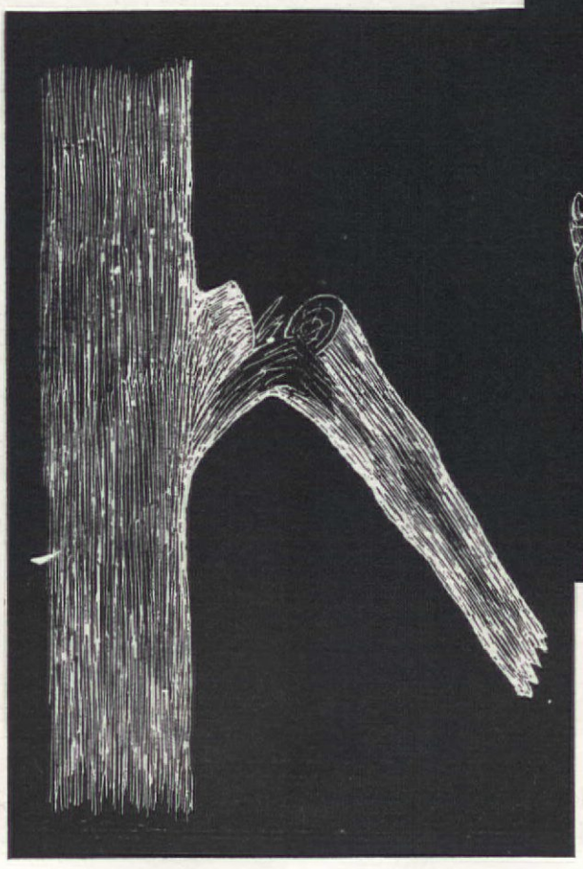
[*Please turn to page 89*]



Don't prune too close to the bud, leaving room for drying and healing. (see below)

removing a large-sized limb do it piecemeal. Undercut it first, then cut through from
Later, remove the stub to the trunk, (c and d). In actual practice, much closer than is
in the diagram, for clarity. If the cut is made close to the trunk in the beginning the
g branch will tear the bark on the lower part of the stub and may cause serious injury



When cutting back young shoots of trees and shrubs leave just enough growth to carry the lateral bud, cutting clear above it. A longer stub (right) will die back to near the bud line and open up an entrance for disease

*Photos by J. Walter C*

The irregular chimney line has the flavor of primitive handiwork a century ago in California. A painted wooden image over the hearth and Javanese marionette figures on the window sill provide austere ornament

# Restored Adobe in SANTA BARBARA

MARJORIE D. KERN

business of reconstructing an old house, qualities most to be desired in the owner mpathy and adaptability. A house which ed a long time has acquired a distinct of its own, and, provided it be a worthy in the beginning, the surest recipe for is to sink our own personality in that of use and nurse into new life the original of the building.

old adobe pictured here was built over a d years ago by the Spaniards who oc- California in the early days of the nine- century. Its main characteristics were ity and strength, and these the new owner ot, while introducing the necessary mod- nveniences.

house runs in a single line of rooms the of the property, so that the rear garden, the life of the occupants is carried on, mplete privacy. There are long covered s on both sides of the building, open on d to admit sunlight, but no windows at the front. This was a defensive measure common in the early days, to prevent the Indians from looking into the windows and frightening the women.

A garage and maid's quarters have been added, a partition or two changed, electric wiring and modern plumbing installed, but the principal divisions of the interior remain practically the same. A new flooring of hand-made tile was laid, and the ceiling between the beams, formerly of reeds, was replaced with thin bamboo rods. Fireplaces were built in every room to provide heat. The thick walls serve to regulate the temperature, making the house cool in summer and warm in winter. The original roof of old tiles, made by the Indians at the Santa Barbara Mission, still retains its low, easy lines. The house turns its back to the street and opens its living quarters on the garden in the rear. A brick walk leads the eye from the stillness of the pool to the low-lying ease of

The house turns its back to the street in favor of the privacy its secluded garden offers

**The kitchen is particularly interesting. Shining copper pots an an iron rack holding forks and utensils decorate the walls, an quaint tiles, each one different, border the counter and sin**

**The dining corner is gay with brightly colored Mexican pottery and glass. The depth of the window reveal shows the thickness of the walls**

the roof lines. The roof tiles, made by the Indians at the Santa Ba Mission, were shaped over the thigh so that one end is larger than the

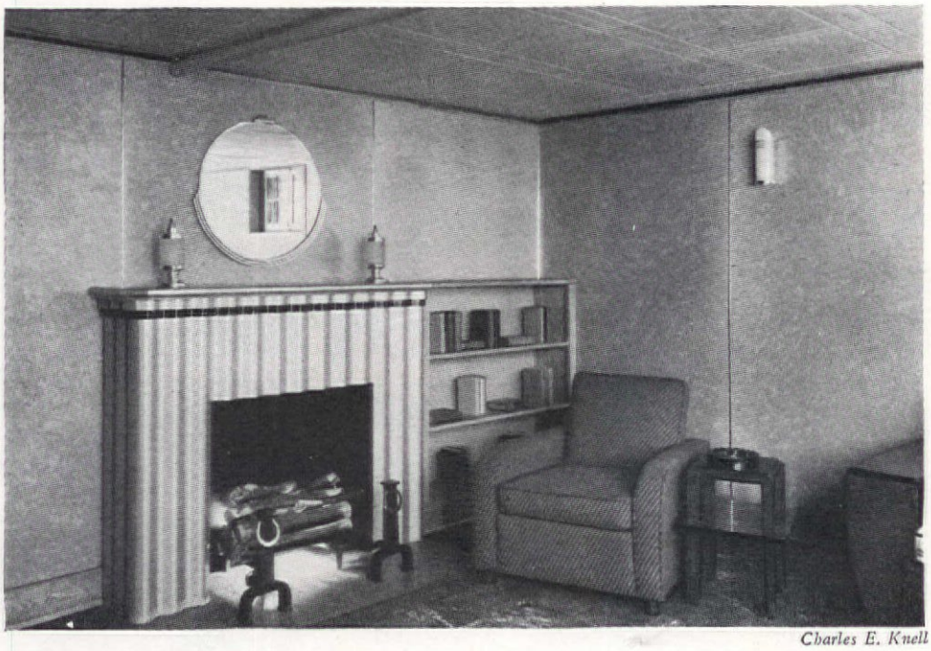
In the center of the house is a large room used for living and dinin furniture is simple, in accordance with the character of the period. corner is a fireplace with seats, in another is a dining table and cup filled with colorful Mexican pottery. Above a square piano hangs a bedspread from Puebla, Mexico. A Mexican altar cloth embroide bright woolens curtains the door to the kitchen. An early Colonial ch drawers stands in the left corner, and the lamps are Majorcan, as a tables and some of the rugs. Thin bamboo rods make the ceiling, to r the reeds formerly used which were in bad condition. Against the irr texture of the white walls—the product of innumerable coats of whit applied over a long period of years—all colors take on effective valu

Opening off the living room is a study, with bookshelves, wide win and a picturesque corner fireplace. On the other side of the central room kitchen, whose equipment is of special interest. The bright copper po copper basin with faucets above used for washing the hands in the old S kitchens, and the wrought-iron forks hanging on the wall, are feature are decorative as well as utilitarian. The kitchen counter, edged with chrome tiles of varied design, has a charcoal grill at one end.

Outside the house the grounds are simply treated, to carry out the unhurried atmosphere of an age gone by. The long porch in the rear, fur for outdoor living, is a pleasant link between house and garden. Fro brick walk extends to a hexagonal pool and bench near the boundary A whitewashed adobe wall with coping and gate columns of tile puts a to the picture and provides complete seclusion for loiterers in the gar large cactus overhangs the bench. Polychrome tile inset and sociable jugs and flower pots add pleasant decorative touches to the pool cop wooden bench and a few poles to support vines keep primitive simp

# NEW PRODUCTS for NEW HOMES

*~that do more in less space . . . that stretch construction dollars further*



*Charles E. Knell*

An unusual use of "Transite," a corrugated asbestos board. The material was painted with aluminum paint and makes excellent fireplace facing. Wallboard moldings, stainless steel; ceiling, insulation board panels. Courtesy, Johns-Manville Corp.

T

ARD

or instance, so simple a thing as an c switch. Today we have a switch y one third as big as the switch with st of us are familiar, and which sells ird the cost. So for the price of one, ve three switches in our plate on the rately controlling center lights, wall nd lamps from base plugs—and the hardly be larger than the old one-ate. Which reminds me that you can switches equipped with a tiny glass naterial that glows in the dark. A is to have a receptacle in one of tes so that the vacuum cleaner, for can be plugged in without the neces-tooping. Or you can plug in a tiny t that looks like a thimble stuck on but which gives a surprising amount when needed.

here are the newer uses of electricity, which savor of magic. For instance, t in our car, turn a button, and have ge doors roll up. Or, if we don't mind post alongside the drive to hold a e can just reach out, turn the switch, doors will roll up. Which is quite the those of us who like to take our ease. : And then there are new uses for old s, some of which have heretofore sidered quite plebeian. For instance, corrugated asbestos board known as e"—largely used in factory work. One lustrations accompanying this article w it has been used to make a beautiful merely by covering it with aluminum he effect is quite modern.

ame illustration shows one of the new oldings used to cover the joints in rd. Such moldings come in chrome stainless steel, copper, and brass.

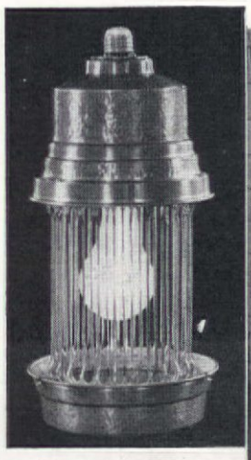
While we are on the subject of wallboard, I might mention that there is now a paint with the priming all mixed in, so that wallboard can be painted without the necessity for a priming coat. And that new tools make it possible to carve or groove wallboard or insulation board right on the job so as to secure a variety of fine decorative effects.

The value of insulation board as a plaster base has long been established. A new type of "Lok-Joint Lath" holds the boards together better and furnishes an excellent plaster base. Then there are new types of gypsum wallboard in which the surface is covered with an actual wood veneer instead of with a paper reproduction. A new type of hard wallboard called Flexboard is flexible so that it can be bent conveniently around curves.

An asbestos shingle made especially for siding has just been placed on the market. This shingle is much wider than the ordinary wood shingle, is grained to resemble wood, and costs on the wall less than $20 a square.

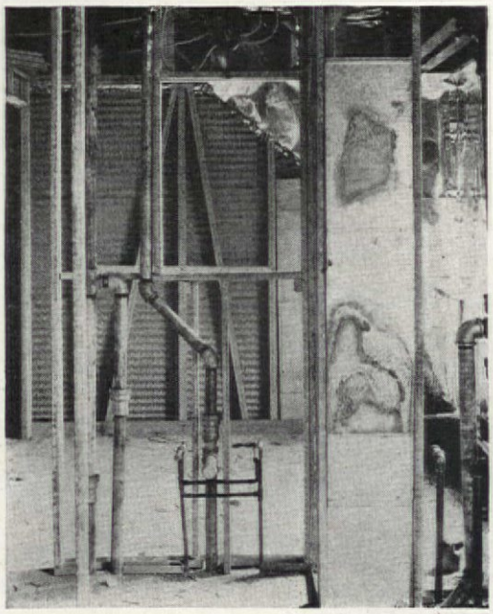
BETTER LIGHTING: Of course you have probably wanted more electric outlets at one time or another, and maybe have run makeshift cords around without realizing that by so doing you are probably invalidating your fire insurance. Now, however, you can have all the outlets you want and have them in perfect safety. A new flexible rubber molding called "AddHere," which is cemented to the wall, comes in four colors to blend with your decorative scheme. The circuit is tapped at any switch plate, and the molding run from there. Plugs or receptacles are placed where desired.

Another manufacturer is now making a "Plug In Strip," which makes electricity avail-



Porch light kills insects attracted to it. Folmer Electracide Corp.

Medicine cabinet crowded? "Coronado-Lavinet" provides extra storage space. Crane Co.



able at intervals of six inches. This strip may be incorporated in the baseboard or elsewhere, and painted as desired. A new type of portable electric fixture is designed to be hung on the wall, being suspended from a push pin like a picture. Wires are run from the fixture to the nearest receptacle. Of course the main danger with improvements such as these is that the feed wires may not be large enough. Too many lights and appliances used at once may blow out a fuse through overloading of the circuit. Fuses can be eliminated by the use of a new circuit breaker so that the mere turning back of a switch will put the circuit into operation again.

An unusual line of tubular lamps called "Mazda Lumiline" can be placed end to end to form a continuous stream of light. These new lamps open up new possibilities in interior decoration.

Another new type of lamp or bulb contains two filaments, one a fifty watt and the other a hundred watt; either of the two filaments can be burned separately or the two can be burned in combination, thus providing three levels of illumination in the one lamp. This is a convenience at most times.

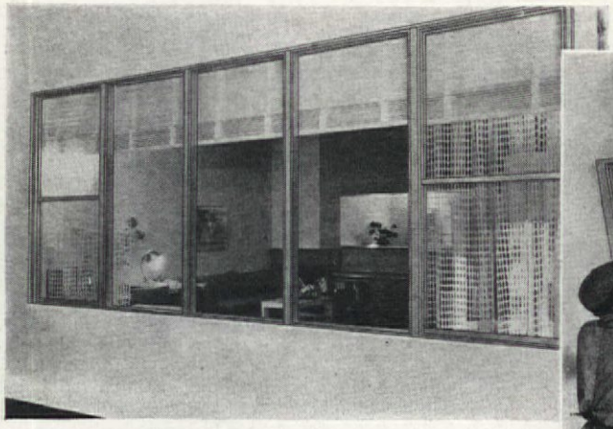
Have you ever sat out on the porch and been bothered by insects? Now you can have a light surrounded by a metal cage so that as the insects fly up to the light, they are electrocuted. This same device, which is made in several styles, can also be used in conjunction with garden lighting.

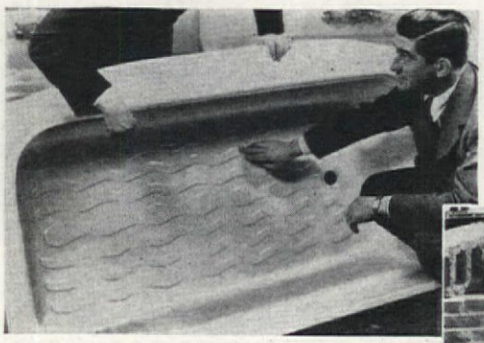
There is also a type of insect screen which serves the same purpose, and which covers part of the window. The current, although strong enough to kill insects, is not strong enough to harm human beings or domestic animals. Most of us have longed for some device such as this, particularly when out in the country!

AIR COOLING: A brand new room cooler has been placed on the market. The feature of this unit is that you merely have to turn a switch to start cooling the air, taking excess moisture out of it, and circulating and cleaning it. No wiring and piping are necessary—no water supply, no drain, nothing bothersome. The installation merely consists of placing the unit in front of a window, adjusting the air duct in the window, then plugging in to the nearest electric outlet. Then turn the switch. It can be moved from one room to another.

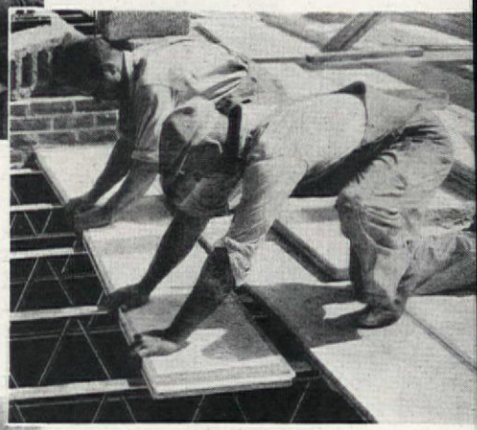
Four new products are shown at left. The studs are of a metal covered composition can be sawed or nailed right on the job; a plaster base and insulation known "Ecod;" "Metallation" insulation, heating ducts, prefabricated units. Reynolds

Below: sash, frame, and weights are built into one unit, for quick ins Narrow mullions and frames admit more daylight. Solid aluminum frame eliminate swelling, warping, and rattling. Courtesy, The Kaw

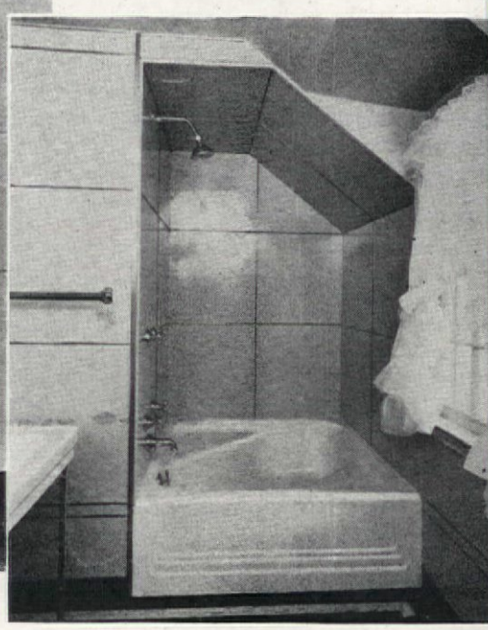




A new safety bathtub has safety waveline treads. Briggs Mfg. Co.



Gypsteel Plank provides a fireproof barrier between stories, is lighter in weight than most fire-resistant construction, has insulating value. American Cyanamid & Chemical Corp.



Flexboard, fireproof and ratproof, can be sawed and nailed like wood, is inexpensive, and comes in four good colors. Courtesy, Johns-Manville. Bathroo in the Triple Insulated House are of color panels of Johns-Manville asbestos wain with polished aluminum moulding between sheets and at corners. Photo, W. & J.

TION: Most of us just think of build-
r as building paper, not realizing
cts as a windbreaker to keep out
d moisture, which latter can quick-
e efficiency of many types of insula-
w type of building paper is specially
ted against moisture damage, fun-
th, damage from termites or other
tc. It costs no more than other good
papers—which means that the
st for the average size house will be
20.

akers of this paper have also recently
d a strong paper covered with thin
per which can be used inexpensively
around windows, doors, etc., or to
sheathing boards in place of the
building paper. It is far better for
flashing than plain building paper,
ch cheaper to use than ordinary
lashing.

num foil is becoming quite widely
n insulation because of its heat re-
qualities. Manufacturers of refrig-
have long known of and used the
on which this insulation is based.
is new to residential work. The foil
ble either in sheets or it is backed
.

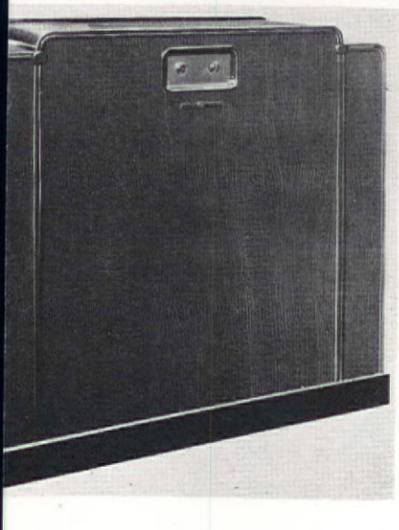
R NEWS: Copper-covered wallpaper
made by the electro sheet process.
per is lacquered to prevent tarnish
itable for use anywhere in the house,
throom to living room.

ments have developed a light-weight
or standing seam roofs so that this
can now compare in cost with other
roofing materials. Due to the cost of
or the up-keep cost of repainting tin
e standing seam roof so popular in
onial days is now little used. With
vailable in a less expensive form, we
ct to see more of this beautiful type
in the near future.

OOMS: New things have also taken
bathroom fixtures, particularly in
. Now we have a square bathtub in
he tub part runs sort of cater-cor-
that a seat is provided on either side
ub, and yet space is conserved.

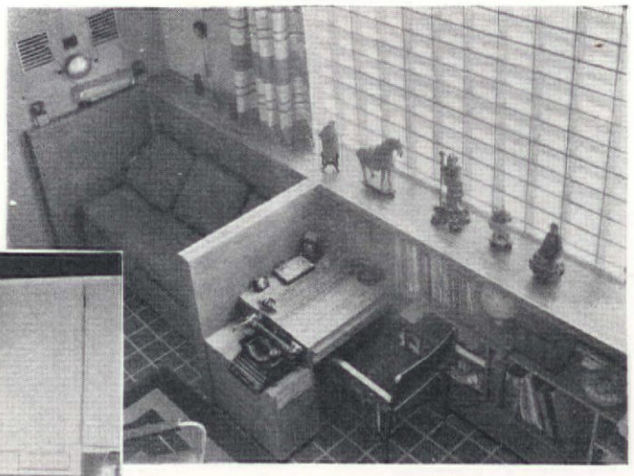
er type of tub is made in combina-
n a lavatory and is called a "Lava-
Tub and lavatory can fit in a seven-
ce, and yet the tub can be a full five
tra space for the tub is gained by
it under the lavatory. The tub
out under the shower head so that
ample space to take a shower bath.

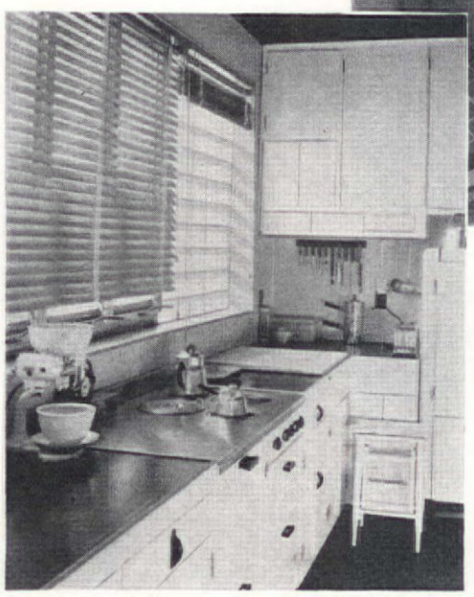
[*Please turn to page 75*]



A new portable room cooler requiring no special wiring or piping. Cools air; cleans, removes moisture. General Electric Co.

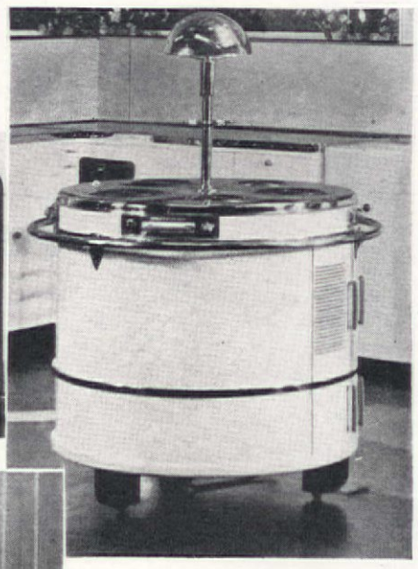
Glass brick admits light and provides privacy. Owens-Illinois Glass Co. Arrows (in center photo) show "Plug-In" Strip making available electricity at 6" intervals. National Electric Products Corp.



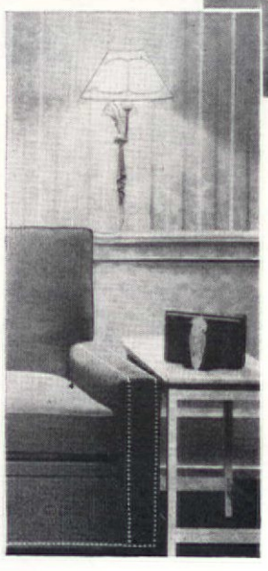


Fireproof Rocklath insulates by light reflection. United States Gypsum Co.

Bones, potato peelings, etc., are ground up in this waste disposal unit. General Electric Co.



This electric stove rolls on casters and you cook from any side of it. Briggs Mfg. Co. To the left of it, a clock that turns on your radio automatically. General Electric Co.



At left, a light that you just pin on the wall when there is no room for floor or table lamps. Courtesy, General Electric Co.

# They said—"it *couldn't* be done"

A LITTLE story and a half house of the Cape Cod type, white with green blinds, located on a hill 'way up in New Hampshire; a thirteen-foot square "setting room," with two south windows, two west windows, three doors, and a fireplace—these, with a hundred dollars, had to be made "Home."

Fortunately the ceiling was fair and white, the walls papered with an old timey paper, cream ground with small all-over pattern in light tan with some tiny dots of green; the wide pine board floor was flagstone drab, and the woodwork white. The house havi
built in the late part of the eighteenth c
I wanted the furnishings of that tim
meant country Heppelwhite and my h
gan. Could I get into old farmhouse
Could I find some pieces at the count
tions? What could the local junk deale
me? Here's the story—

Let us begin with the floor: a 6′ 8″
rug, square, once having a black grou
made by one of my old "scrap ba
workers, cost me $25. The alternating
are many-colored, and the flo
shades of old reds with green an
leaves on faded black. This cove
main part of my floor and gave
color scheme for my room. A sm
or-miss hooked mat in the sam
ings protects the floor by the s
door and cost $2. Simple sheer ti
at the windows, with rods, took
$2. Andirons were needed and o
to Maine I found a good pair w

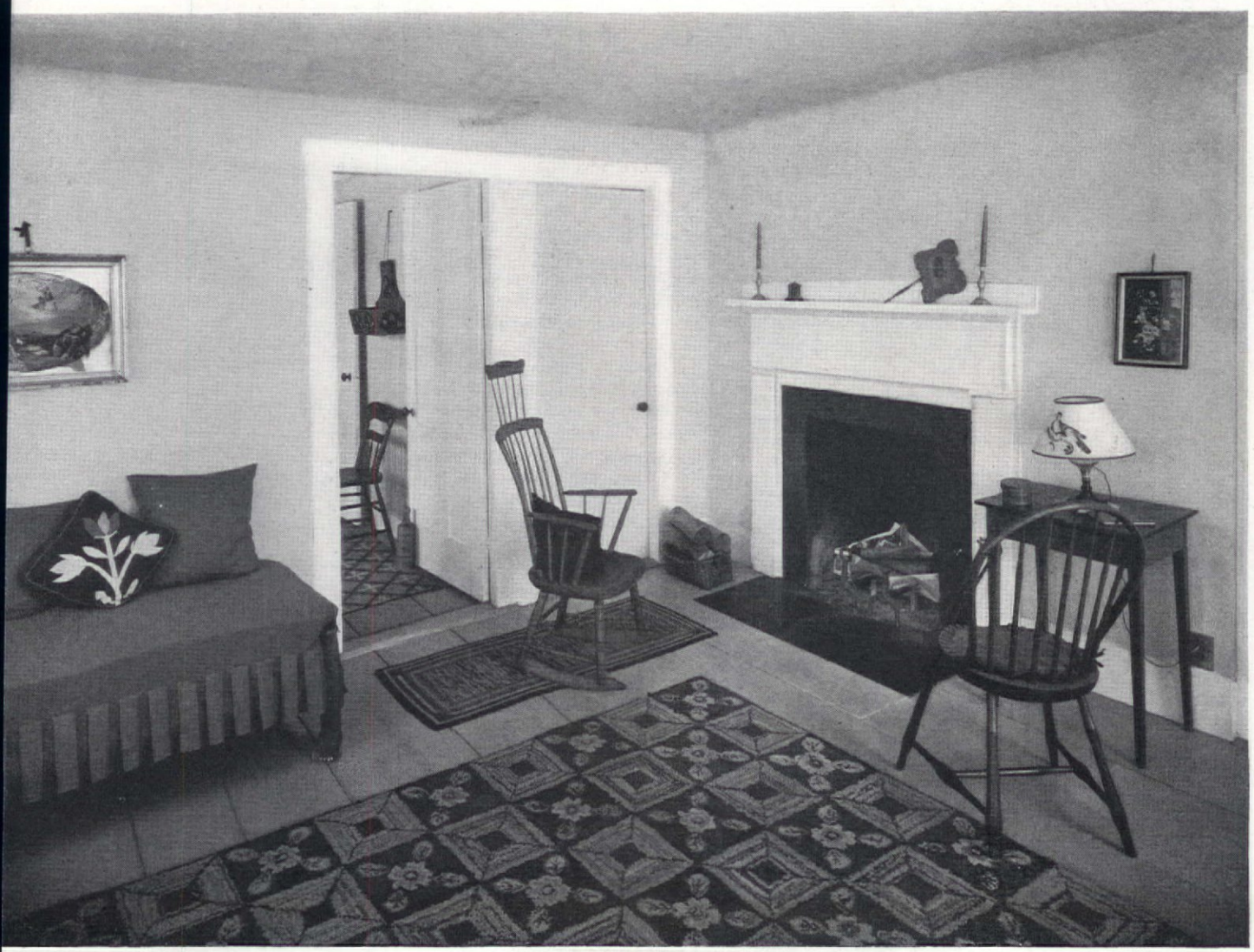
*Photographs by the George H. Davis Studio*

ELIZABETH E. MORSE

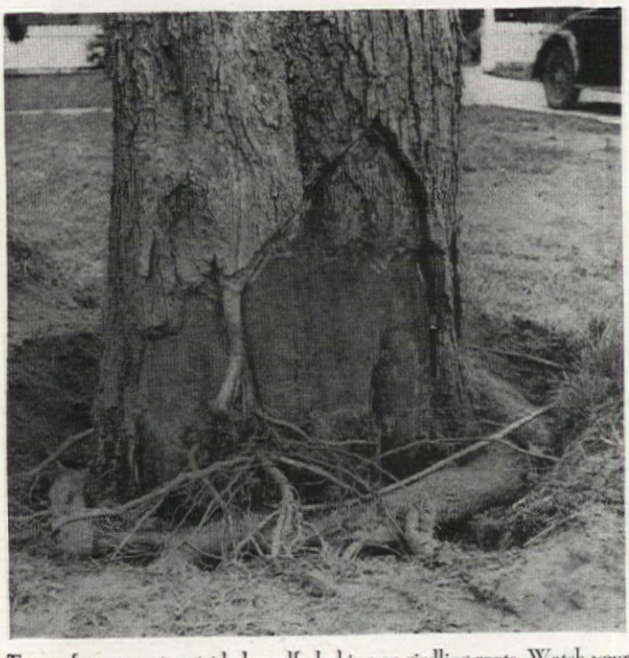
n, of course) for another $2; a pair
on tongs for a quarter; a ten-cent
rash gave me the brass hook to
tongs, as well as the big brass key
a paper weight. Another quarter
a heavy old splint cheese basket—
ls my wood. Next came the little
tand, part pine, part maple, with
eppelwhite legs, that a small dealer
ave for $3. The bookcases I found
Hill at Elm Farm. I took two, cut
two, turned two of the halves up-
n, and a village carpenter added
d tops and bases. So, I have four
kcases to house my magazines and
books, mending basket—all for
llars and a half. Painted white to
he woodwork, they look well and
worm holes do not show. The three
ack Windsors needed some repairs.
and in order, they came to $7. The
the green pad has a badly dam-
t, so must ever wear its covering.
ss table was one of my happy buys.
ade, with a painted checker board
red and black paint, they claim the
onged to the Webster family. I
it for ten cents and put it on my
old wood, and complete it stood me
chessmen belonged to the George

[*Please turn to page 50*]

I had spent seventy-four of my precious "setting room" hundred when I came upon the fourth big "buy," the Sheraton comb-back Windsor rocker that you see below. It cost three dollars, and I should never have found it had my car not needed water



Carelessness had nearly choked this tree to death with a guy wire. The removal of the wire from its encircling position and attachment to the simple eyebolt will enable the tree to recover. Photo by A. R. Thompson



Trees often commit suicide by self-choking or girdling roots. Watch your trees for vertical bases, basal dead bark areas or wounds, pale foliage. They may have girdling roots. Cut them off. A. R. Thompson photograph

The Kintzgarden window box is a specially designed indoor window garden. A plant box complete, enclosed in a glass well the size of the window sash to which it is secured and raises with it, so avoiding draughts

## the crucial start

Indeed, a good start is half the battle for success. This means that as soon as it is at all possible to work the soil after its first flush of spring drying out, loosen the ground among the shrubs by turning it over lightly with the spading fork. That gives a mulch and lets in air at the same time. The winter snows and early spring rains pound down on the earth's surface packing it tightly as well as smoothing it off. The good gardener will break it up as soon as possible. As the crowns of plants show through the ground lift and transplant in the herbaceous border as may be necessary. Don't lose a moment in planting new shrubs and especially Roses.

## conditioning the soil

Getting the soil into good tilth is one of the most important chores of early spring. This means digging it over, working it, and perhaps introducing foods or fertilizers and in a general way making the soil not only fit for the plant but encouraging for the plant to grow. Just merely digging it upside down is better than doing nothing at all but it isn't the right way. Ever notice how a plow turns and mixes the clods? You cannot do that in the small garden but you can do "trenching." In trenching, the soil for a depth of something more than two feet is inverted and mixed at the same time turning in manure.

Nature in fact is so good to us that we don't often work the soil to its fullest capacity. Topsoil usually has more humus in it than subsoil and the purpose of trenching is to get a more pliable humus-laden soil to a greater depth. We have a little diagram explaining this whole operation which will be sent to you merely on request. Send a postal card asking for the easy way to dig.

Humus in soil is important for several reasons. It holds moisture against future drought; it aerates and lightens heavy soils; it adds substance to light sandy soils. No garden soil can support vegetation unless it has humus and the bacterial life that it carries. In the absence of available humus or good barnyard manure or peat moss, do not destroy any vegetable refuse or any waste around your household but turn it all into the soil.

## flowering pot plants

No doubt it has happened to you that a beautiful flowering plant in a pot withered or died very soon after it was made an occupant of your living room. W
no fault of the florist, although
gets the blame. The fact is that
plant, by the time you get it
glory, has completed its grow
season. It has a dense, compa
roots and consequently wa
water, and more water. Look o
flowering plants each day—tw
morning and afternoon. Eac
water them, drain thoroughly,
to their ornamental position in
and this watering means that
ball of soil is really saturated,
dampened on the surface. Don
til the leaves curl up or the flo
It is too late then. A rule?
plants whenever they need w
flowering plants need water ev

## springtime repotting ti

Plain common sense should h
realize that transplanting or re
growing plants is best done
roots are active, not when dor
cause then they can make new
repair any damage. The activ
spring. Plants do not keep grow
year 'round, at the same sp
Palms, Aspidistra, Sansevieria
foliage plants have a period o
that is usually in the winter tim
they happen to be Australians.
need less water then; but, as gro
up in spring and roots get activ
the time to transplant. For co
keep your house plants in as s
tainers as possible and feed the
when growing. Use a commercia
complete food, in solution.

## raffia's the st

Any experienced gardener k
string is at best just a substitu
real thing when it comes to
plants or cut flowers.

Don't forget to order raffia
seeds. For thirty cents you can
enough to make a grass skirt. It
more picturesque than string fo
plants—and more effective too.
for tying up the bouquets that
away, and what a handsome a
is to your garden basket o
trowels, etc. Keep it in a loose

## sterilization at low tempera

Here's good authenticated
those who have sm.ll greenhous
application might be made ever

vidual pans. The point is that, con- y to tradition, it has been shown by Horsfall at the Geneva, N. Y., experi- t station that "damping off" and such- bothersome things in the greenhouse be practically controlled by a system what is practically pasteurizing at a temperature of 130° for several hours. the microbes, good, bad, and indiffer- were killed."

you are further interested, read of arrangement for a home electric steril- g unit and how you can make it in AMERICAN HOME for June, 1934.

he many ways in which electricity is g brought into efficient service for the lener is quite inspiring. Nearly every- has electricity available these days. cost of low heat sterilization is not ssive either. But, after all, what is a cents against the health of a few rite or precious plants?

## hotbeds or coldframes

With March the good gardener has hot- s in full operation. The hotbed is one he most useful pieces of equipment; in , it is hard to garden well without it. ssures the young plant a good foothold he first days of its existence. A plant t is started right will grow on to ma- ty and grow with accumulative vigor t is quite surprising to the novice. A d start means a lot. If you have no lities for putting heat into this bottom- box with a glass lid set on the ground, , it is then just a coldframe and that great deal better than merely sowing seeds in the open ground and trusting uck. The odds are too great—insects, ds, rains—these are merely normal nces you have to run. But with a little tection of four boarded sides and a s cover you can pretty nearly defy the nents. There is just one necessity—the mes must be ventilated as the weather ms up and accordingly as it warms, open always on the lee not the windy . And don't let things dry out!

## gaining on the calendar

here are certain good practical rea- s why the keen gardener uses this shel- ng protection for his seeds. He gets nts of many things, like Heliotrope and ntaurea to set out in the open in May en otherwise he would only be sowing d. Nearly all the annuals sown in a me and transplanted will bloom when y are most wanted—in early summer nd then a lot of perennials and tender nts for flowering next fall and winter be gotten under way and given a head rt; such as, Primulas.

## starting some sweet peas

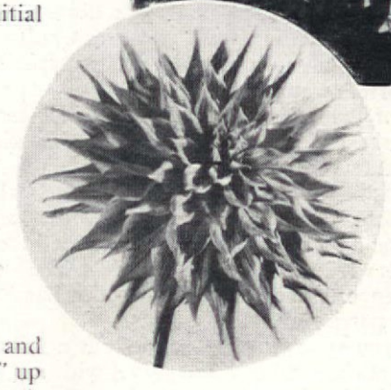
Notwithstanding that the commonplace practice of merely sowing Sweet Peas in a trench in the open garden as soon as seems reasonably safe to dig into the soil, you have got a new experience before you if you will start Sweet Peas now in pots. Take small pots and sow a couple of seeds in each and perhaps later pull out one so as to have a strong individual left—or if a six-inch pot put in four seeds and later sacrifice three. Plunge these pots to the rim in the frame or hotbed and in due season next month transplant from the pots into the open garden. Never done this before? Well, try it this once and you will get your Sweet Peas flowering when the outdoor planter is beginning to worry about whether his plants will come through without a lot more watering. Sweet Peas are in many ways the most desirable of annuals—gracious, fragrant, fragile looking, long stemmed, decorative, productive, and blending well in mixtures.

## chrysanthemums for fall

The gardener always has to think two periods ahead of his results. In the fall he plants bulbs for spring; in late summer he sows seeds for summer transplanting; and in the spring prepares for the fall bloom such plants as Chrysanthemum and Dahlia. Not much good in letting old clumps of Chrysanthemum remain just as they went into the winter. Dig them up, pull them apart, transplant separately every little shoot—it will make a new vigorous plant. That is the way to get good Chrysanthemums. If any clumps were started up in the late winter in a frame, pot them up during this month and don't leave them in the sand after the roots are an inch long; in fact, all young plants, whether from seed or from rooted cuttings, should be taken up from their initial beds as soon as they have got adequate roots and transplanted into pots or frames as it may be convenient. If you really want a good supply of Chrysanthemums this fall, keep on propagating from the stock that you now have, potting up the individual cuttings as soon as they are properly rooted. Try the new Korean Hybrids.

You can bring the Dahlias out of storage, too; and put in a frame where they will get slight protection and warmth and they will begin to "push" up vigorously. These young shoots may be removed with a heel (that is very important). A heel is a piece of the old tuber, quite a tiny piece is adequate; placed in sand, they will soon root.

Photographed at midnight in the garden of Mrs. H. T. Staiti, Houston, Texas; a somewhat unusual use of this Phyllocactus, commonly called Night Blooming Cereus. Where it is hardy, this is a splendid subject for a garden that is floodlighted at night. This cactus is easily propagated if desired by simply breaking off a "leaf" and sticking it in the ground



The tiniest Rose that grows. For comparison note the dried oak leaf on the lower left. Rosa rouletti is about 4 inches high, laden with pale pink, perfect Roses in miniature; hardy. Try this in your rock garden. A fairy Rose that grows a little bit larger is sometimes confused with it

A winner on the two coasts. Semi-cactus Dahlia California Peach (Success-Ballay), the best undisseminated seedling at San Francisco and the best bloom at Boston, winning The American Home Achievement Medal. Rose-pink, with erect stem. Seedling of Satan which it closely resembles

# GIVE A PARTY!

## a steaming fish and chowder buffet or a St. Patrick's bridg

*Demarest Photos*

Lobster net tablecloth with cork weights, red glasses, china, and hurricane lamps from Dennison's as is "anchor" chinaware, thumb-print glass, and striped cloth. Blue-handled flatware, and other accessories on bottom of opposite page all from R. H. Macy & Co. Cutlery, above, Hammacher Schlemmer

Chafing dish above and two-sectioned vegetab dish in center of opposite page are of Arge tal metal and from Wille-Art Goods, I

PARTIES are always popular, but they are even more so when the hostess gives a little thought to the dishes and table decorations which she will use. There are so many attractive things now on the market, that it does seem that parties should be given if only as an excuse to show off the ingenuity of a hostess. Inspired ourselves by some "fishy" accessories—we have set up two tables for which we have prepared "fishy" menus. One for a shore dinner—using fish that are typically sea food, and another in which inland, or fresh water, fish is used.

The first table smacks of the fishing village with its lobster net tablecloth, weighted with enormous corks, and its center decoration of hurricane lamps. The net is natural color with natural corks, and the lamps have red metal standards, red candles, and good old-fashioned lamp chimneys—all practical for outdoor use later in the season. The service plates are white with red borders, and the fish dishes on them, which would be grand for serving clam broth, are red too. The bread and butter plates are white shells with red border and red dots. The water and cocktail glasses are also red. Red pepper and salt shakers, wooden handled flatware, and white napkins complete our patriotism.

The second table, shown on opposite page, carries out a red, white, and blue motif. The cloth is striped oilcloth, white background with red and blue stripes. The dishes are white with blue borders and blue anchors. Pepper and salt shakers are white with red dots, and there is also a fat red pitcher. The glasses are heavy thumb-print glass, and the coasters white with anchor design. Blue handled cutlery and white napkins with a blue anchor in the corner. The huge cups and saucers are for chowder, and the round fat covered dishes ideal for escalloped foods.

Chafing dishes are indispensable for midnight buffet supper parties, as are the divided serving dishes. The chafing dish pictured above at right is made of Argental metal, which is non-tarnishable. An alcohol lamp permits outdoor use. Colored tile inlays of fish on its base, suggest other lovely color schemes. The knob on top is of bone, to prevent burned fingers, as is the handle. But here is something

Entertaining need not be a burden if the hostess first lays her plans carefully. Two prime essentials to a successful party are good food—keep it simple—and original service and color effects

nusual about this dish; when not in use, fferent parts can be used for numerous things. For instance, the pan with handle e used for serving popcorn, and the hot bowl for serving fruit. For a two-sec- l vegetable dish of this metal, with Pyrex nset, we immediately thought of scram- ggs and sausage.

vy pottery casseroles are ideal for serv- ked beans, and the small individual ones e used for beans, soup, or chowders. They ugh textured and are most attractive on peasant lined with gay peasant plates ccessories. There is no end of ideas to be rom the many buffet supper accessories, ke up your own color scheme, and—don't to see all the pretty shining copper, and aluminum accessories and snack s. They are inexpensive and smart. But on with food—here are our menus for ishy" buffet parties.

Pottery serving dish and individual casseroles shown above, from Carbone, come right from oven to table, their beautiful contents unruffled

*Shore Fish Dinner:*

Fresh shrimp cocktail
Hot clam broth
Escalloped crabmeat and oysters
Peas Parsley potatoes
Lemon soufflé
Coffee Tea

*Inland Fish Dinner:*

Two-tone cocktail
Broiled brook trout
Julienne carrots Frenched string beans
French fried potatoes or
Hot potato chips
Orange ice Ice cream wafers
Coffee Tea

*Midnight Buffet Supper:*

Shrimp à la Newburg
Spanish beanpot
Scrambled eggs sausage
Compote of stewed fresh fruit
Chocolate nut wafers
Coffee

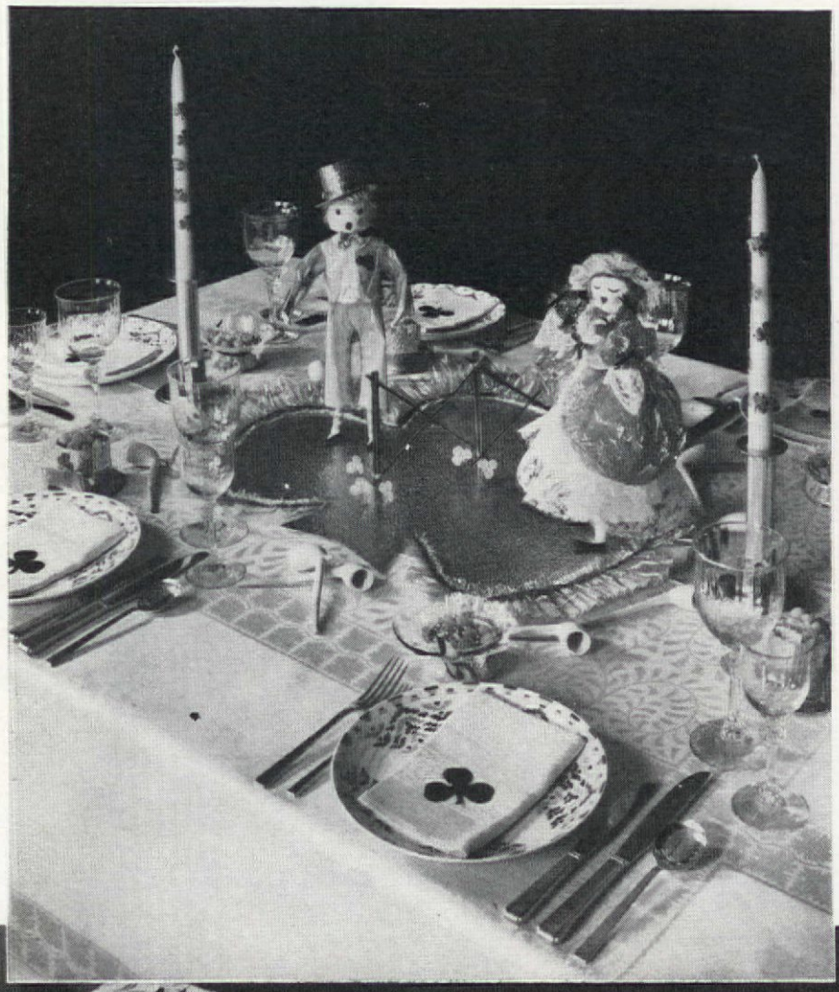
*St. Patrick's Bridge Luncheon:*

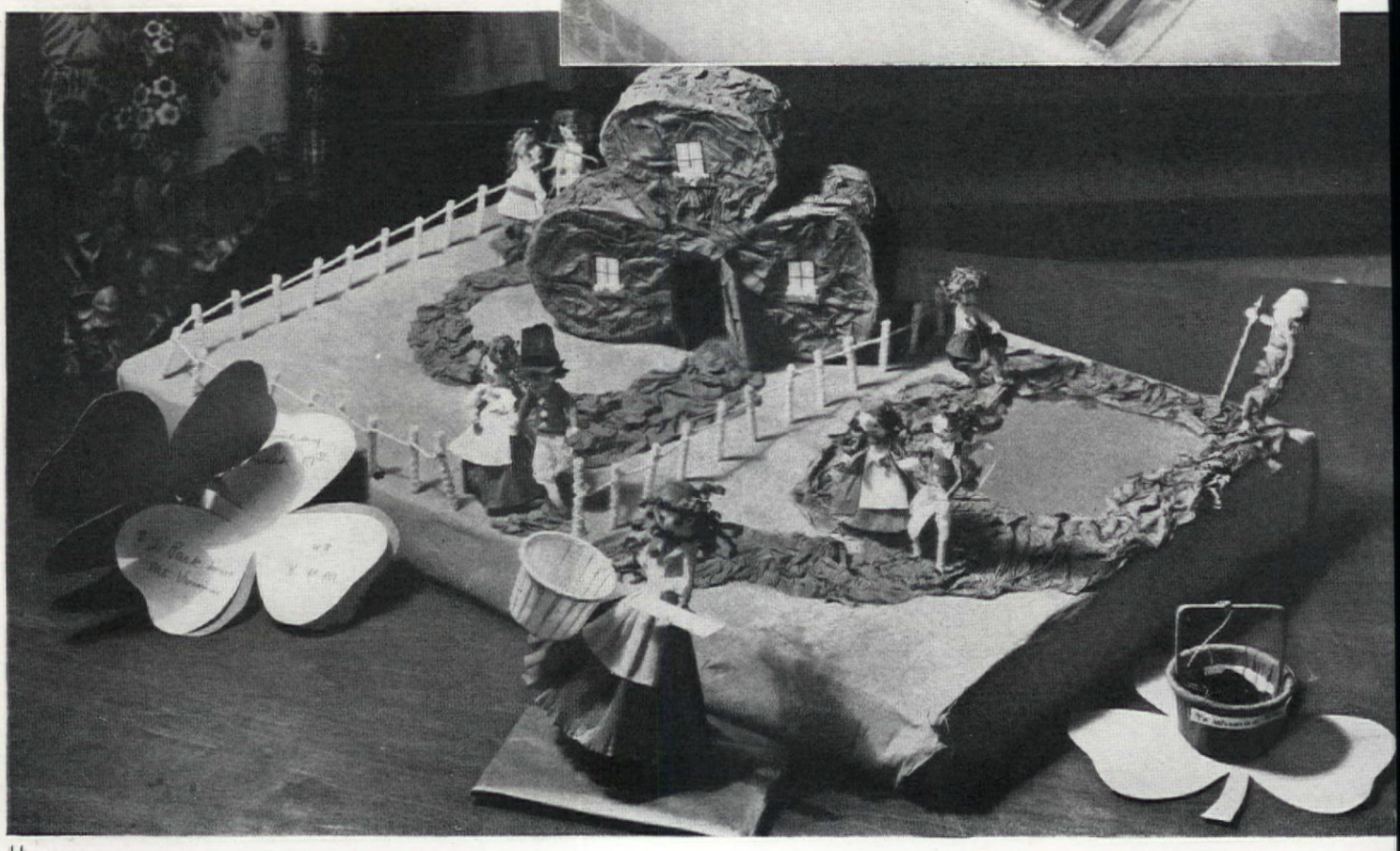
Shrimp and green pea salad in green pepper cups
Rolled watercress sandwiches
Pistachio ice cream
Vanilla wafers in shamrock and clay pipe shapes
Mints Salted nuts Coffee or Tea

COSTUMES and decorations for the St. Patrick's day table are of Cellophane cellulose film. The lacey looking skirt, hat and ruffles are made from doilies of cellulose film, printed to look like real lace. Transparent green drinking straws form the rustic fence. The Shamrock used for the base of the centerpiece is of gold cardboard, trimmed with a sparkling green ruffle. vidual favors for the men are top ha gold with green bands of cellulose film those for the ladies, lacey hats, both nut

In the large photograph we show an scene, designed by Alfreda Lee, an tremely easy to make. Irish lads and l

[*Please turn to pag*

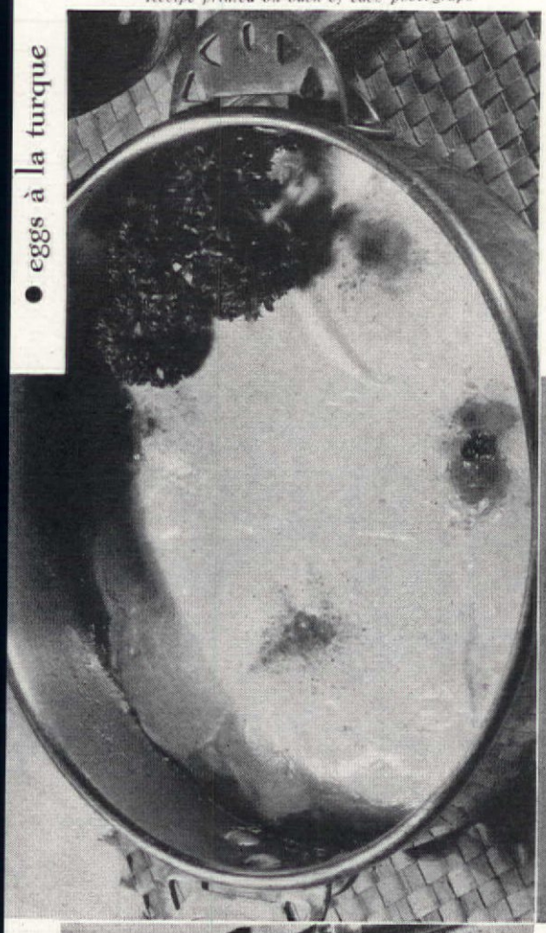




# The cook's family album

*The recipes that you have "snitched" from under the eye of a watchful chef are perhaps the most fun, but the ones for which you have exerted all your gastronomical ingenuity to analyze are the dearest to your heart.*—MARNI DAVIS WOOD

*Recipe printed on back of each photograph*

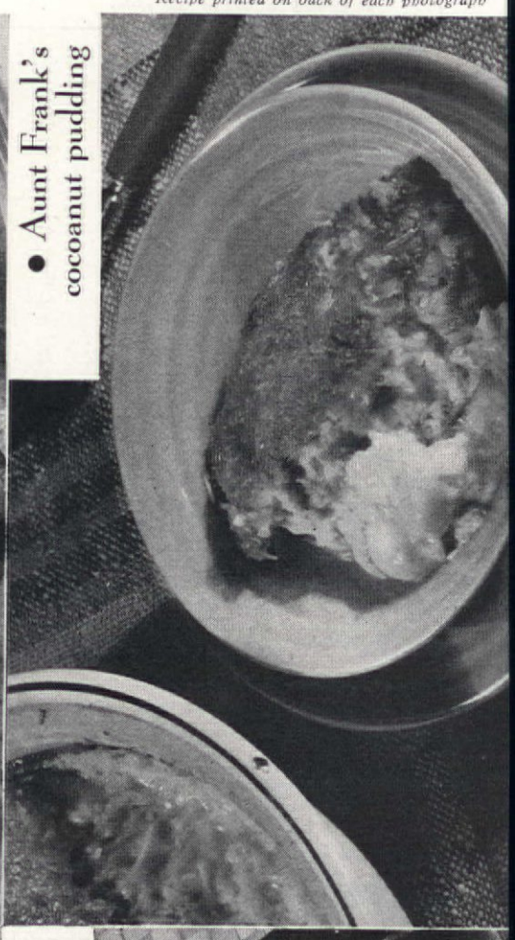


• eggs à la turque

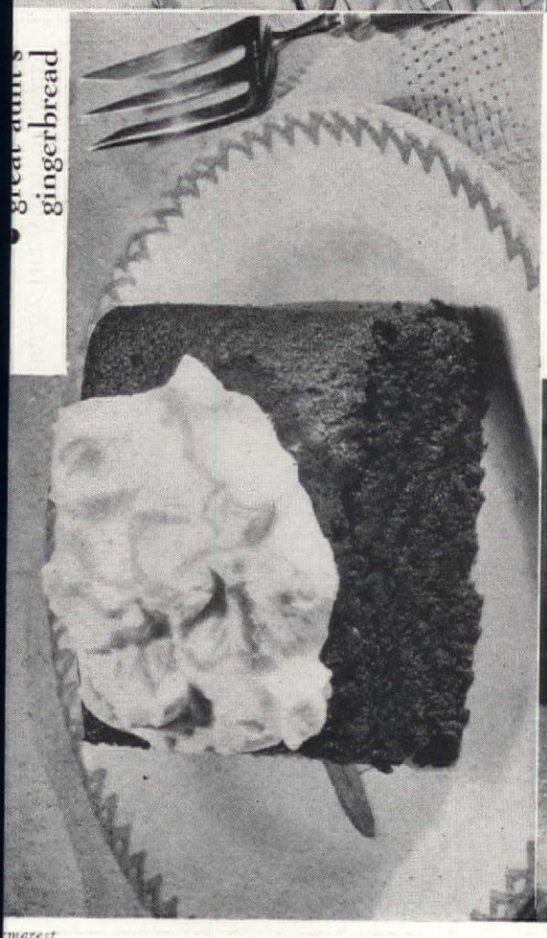
*Recipe printed on back of each photograph*

• supreme of old hen

*Recipe printed on back of each photograph*



• Aunt Frank's cocoanut pudding



• great aunt's gingerbread

• Minnie's apple dumplings

• oyster stew

# The cook's family album

*When I've gone pretty stale on ways to add milk to the diet of my family, man and boy, I look over the old family cook book and think they must have kept dozens of cows in those days and had to use up the milk willy-nilly.*—MARNI DAVIS WOOD

Photograph printed on back of each recipe

## • oyster stew

2 tablespoonfuls butter
Large pinch paprika
Dash of tabasco sauce
Good dash of Worcestershire Sauce
Salt and pepper to taste
32 oysters
2 cupfuls thin cream
2 cupfuls rich milk
Butter

PUT butter, paprika, tabasco, Worcestershire, salt, pepper, and oysters in top of double boiler. Heat over the boiling water until edges of oysters begin to curl. Then add milk and cream. When it is piping hot, ladle into warm soup bowls into which you have put a portion of butter. Serve at once, with salted oyster crackers, and the horseradish bottle in a prominent place on the table.

*Tested by* THE AMERICAN HOME

## • Aunt Frank's cocoanut pudding

1 quart milk
3 eggs
½ cupful sugar
1½ cupfuls grated cocoanut (shredded will do)
1 slice bread, crumbed
1 teaspoonful butter
1 tablespoonful brandy
*or*
1 teaspoonful almond flavoring

BEAT eggs, add sugar and milk. Add butter, cocoanut, bread, and flavoring. Pour into buttered baking dish and bake in a moderate (350° F.) oven until firm—about 1 hour.

*Tested by* THE AMERICAN HOME

Photograph printed on back of each recipe

## • Minnie's apple dumplings

1 cupful sugar } for syrup
1 pint water }
1 pint flour
1 tablespoonful butter
2 teaspoonfuls baking powder
Enough water to make dough of consistency to roll
Sliced apples
Sugar
Nutmeg

MAKE a syrup of the 1 cupful sugar and 1 pint water. Cook on top of stove until sugar is completely dissolved.

Sift flour and baking powder together. Add butter and rub in with finger tips. Add water to make dough of consistency to roll. Roll out thin, cut into rounds about the size of a saucer. Fill with sliced apples, a tablespoonful sugar, small piece of butter and a pinch of nutmeg. Pinch together. Pour syrup into baking dish, drop dumplings into hot syrup and bake ½ hour in a moderate (350° F.) oven, covering for the first 15 minutes.

*Tested by* THE AMERICAN HOME

## • supreme of old hen

1 chicken, cut for fricassee
2 tablespoonfuls olive oil
1 clove garlic, sliced
*Sauce*—2 tablespoonfuls butter
2 tablespoonfuls flour
1 cupful stock from chicken
1 cupful cream
½ cupful chopped parsley
Yolks of two eggs
½ cupful white wine

PUT olive oil and garlic in casserole or heavy frying pan. Heat and remove garlic as soon as it is brown. Sauté chicken in the hot oil for 15 minutes. Cover closely and reduce heat. Steam very slowly for 1 hour, or until tender. Remove to platter and pour sauce over.

To make sauce: melt butter and add flour. Blend well and add, slowly, the cream and stock, stirring constantly. Then add parsley and let mixture come to a boil. Beat wine and egg yolks together and add to sauce. Simmer until very thick and pour over chicken.

*Tested by* THE AMERICAN HOME

Photograph printed on back of each recipe

## • Great Aunt's gingerbread

1 cupful molasses
¾ cupful butter, melted
1 cupful cold water
2¾ cupfuls flour
2 teaspoonfuls soda
1 teaspoonful cream of tartar
2 teaspoonfuls ground ginger

PUT soda and ginger into molasses. Stir and add melted butter. Dissolve cream of tartar in cold water. Pour that into molasses mixture; stir, and add flour. Pour into a greased and floured tin and bake in a moderate (350° F.) oven for 30 minutes. Serve with whipped cream or frost with a bitter chocolate frosting.

*Tested by* THE AMERICAN HOME

## • eggs à la turque

1 tablespoonful butter
2 large, or 4 small, onions, shaved
Eggs, two per person
Sour cream

PUT butter into a plat sabot or other flat baking dish or casserole, either pottery or copper. Set over a very low flame. As soon as butter is melted, but not brown, add onions. When they begin to look clear, add eggs. (If you are using more than 4 eggs, you will need more butter and another onion.) When the edges of the whites are set cover each with 1 tablespoonful of sour cream. Any degree of sourness up to almost complete disintegration is all right. Put in a good hot oven (400° F.) until eggs are firm (about 10 min.), and then broil for 2 minutes under a hot flame.

*Tested by* THE AMERICAN HOME

Photograph printed on back of each recipe

# Anything Goes with SPAGHETTI

**By Josephine Gibson**

● It is all things to all meals—mainstay of simple dinners—adjunct to luxurious menus. It is a grand dish in its own right—a rare ingredient and flavor-lender. It can transform a frugal bit of meat into an intriguing whole-meal dish.

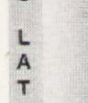
Here, in a word, is one of the famous 57 varieties which has a distinctly Continental accent—Heinz high-spirited spaghetti with its full-bodied sauce of tomato, its piquant seasonings and cheese.

As proof of ready wizardry:—Thin collops of veal (about a pound or so of veal cutlet cut into small pieces, browned and gently simmered) and a single large can of Heinz spaghetti—become forthwith a fine Escallopine of Veal.

Grilled cocktail sausages—cooked ham or tongue and a scattering of mushrooms or even just the raggle-taggle remnants of a roast, commingle with the sauce-drenched strands of Heinz masterly spaghetti to make such casseroles as may be set with pride before any knowing trencherman.

Feats or Feasts of Magic—and many of them—you will find described in the new Heinz Book of Meat Cookery. It costs just ten cents. The address is Josephine Gibson, Dept. 172, H. J. Heinz Company, Pittsburgh, Pennsylvania. Write today.

*Advertisement*



"Who wouldn't be tickled! My clothes used to look as gray as a rain-cloud and now they're white as snow! It's wonderful the way Fels-Naptha's grand *golden* soap and *lots of naptha* get out every bit of dirt. Fels-Naptha is so gentle I use it for my finest silk things, too. And how nice it is to my hands!"

Banish "Tattle-Tale Gray" *with FELS-NAPTHA SOAP!*

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# *Millstones*

## The story of a barn and a brook

ANNE M. PHILLIPS

THERE are in New England many sleepy little villages of venerable years, and a few of them, mid the turmoil and tumult of modern life, still keep their quiet calm and restfulness. Many times we had passed over a road leading off the main, traveled highway in just such a town, but one happy day we spied a gray-brown building having the appearance of a small barn, sitting well back from the village street, and wholly detached from other buildings. A little questioning revealed the fact that it had once been the storeroom for an old grist mill, long ago dismantled and removed; that it stood not more than fifty feet from a gently winding brook which had provided motive power for the mill, and with about ten acres of meadow land and pine, was for sale at a reasonable figure.

A great desire to own all this and to transform it into a modest corner in which to dream and gather about one certain accumulations of old things, resulted in a quick transfer from one to another. We had for some time a minute sum of money in the savings bank and had lately felt that it was too great a burden for the directors to invest it, and right here was a chance to relieve them of this responsibility.

However, repairing and remodeling the building promised to call for the entire sum—possibly more, when the Head Man, who up to now had kept quite in the background, most pleasantly offe advance the full amount f purchase price at no per ce annum.

So the first step was take plans for succeeding steps quickly made. What a thril be the proud possessor of an consisting of a barn crying o someone to make it livabl useful—meadow and woo with a laughing brook wi through it, babbling night an

Our nearest neighbors are ages, quiet sleepers in the churchyard. "In memory of stillborn babes" tells its own Their friendly ghosts spe days long gone when this quiet village was teaming life and business and the c court held regular sessions h

To begin with, here is a ing forty feet by twenty-four taining one room open to the with plenty of twelve-light dows. Three large hand-hewn bers cross the room about te from the floor, and at a g here is the making of a snu treat "far from the ma crowd's ignoble strife."

Consultations with the loca penter and mason result in o to begin work at once, and the daring of ignorance, we ceed without the aid of an a tect. Upon a stout foundati cobblestones, of which there plentiful supply near by, a chimney rises in the center o room, breaks through the

Laughing brook burbles along merrily in rear of Millstones

Millstones in brook us doorstep stepping s

# Sensational, new ADHESIVE SEALEX LINOLEUM

## an be laid in 2 or 3 hours* — saves up to 20%

**Home economics perts all over the untry emphatically prove this new in- d linoleum!**

new Adhesive Sealex Linoleum just "one more" floor-covering. BIG NEWS! You'll see articles agazines and newspapers by home omics experts, decorators and itects, praising this revolutionary inlaid linoleum with the *ory-applied adhesive on the back.* hat is all the excitement about? about money-saving. About time bother saving. About new beauty esign!

ust think—instead of messing up om for a couple of *days*—Adhesive ex Linoleum can be laid in two hree *hours*, ready for use.

*saves* up to 20c on every $1.00 he old cost. And it gives you a nger and longer-wearing instal- on. For the new factory-applied esive is distributed so uniformly t it holds every square inch of the leum tightly to the floor!

hen it comes to *beauty*—well you ply must *see* the lovely "shadow" , the smart "plaid" effects—the geous Veltones with their swirl of tly blended colors. (Miraculously to clean, too, this linoleum, the face is so *smooth* and sanitary!)

his sensational, new and pat- ed**, inlaid linoleum is now on play at the better depart- nt and floor-covering res throughout the coun- . Ask to see it—*today!*

*mate based on average floor of 15 sq. yds.*
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"Adhesive Sealex is the most popular inlaid linoleum we've ever carried, Madam. The adhesive on the back saves you real money!"

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"It took the workman only two hours to lay this linoleum, Marion! Isn't that wonderful? And I'm so pleased with the pattern, too!"

*The modern Inlaid Linoleum . . . made by Congoleum-Nairn Inc., Kearny, N.J.*

LET your glance feast a moment upon this strikingly handsome tire — you are seeing literally the finest tire upon which the human eye has ever gazed.

This, the new Goodyear Double Eagle Airwheel,* is to the average tire what towering Mt. Everest is to its foothills — it is the peak product of the largest rubber manufacturer in the world.

Compressed into this road-gripping, tough-treaded, far-traveling, utterly balanced circlet, is the cream of all we have learned in building 225,000,000 other tires which long have led the field.

This tire will cost somewhat more than other famous Goodyear tires, but to the man who can afford the very best it gives advantages he cannot afford to do without.

We are building this tire at Goodyear to be beyond doubt the safest, most luxurious tire money can command — designed, tested, fitted to the new needs of the modern fast maneuverable cars.

We combed the earth for superior materials and even developed new ones of special strength and temper, then proved these by terrible weeks of test runs on the Bonneville Salt Flats under blistering heat at continuous speeds of 96 miles an hour.

We perfected, not a thick, heavy, lumbering tire—but a supple, flexible, cool-running, easy-riding carrier that would yoke lavish comfort to matchless beauty and endurance.

It will deliver far longer, far safer mileage than any tire we have ever built, even including the famous "G-3."

As companion to the Double Eagle Airwheel, and to make safe surety doubly sure, we recommend that infallible protection against all blowout hazards, the new Goodyear LifeGuard* Tube.

These better-than-necessary products bid for the favor of those who can afford them on grounds of peerless quality only — their mission being not to save money but to save life.

*Registered

## EIGHT STANDOU FEATURES

*which lift the new Double Eagle Airwheel above any tire we have ever built*

1. The finest, safest, handsomest, lo est mileage tire that money can b
2. The best-proved non-skid tread p tern in the world, made more efficie
3. Tougher rubber in this tread even th truck tires, slotted 15% deeper to g 30% longer non-skid life than even famed Goodyear "G-3."
4. Built throughout of special new he fighting compound that frees hi speed travel from tread-throwing ri
5. Extra rubber "float" for every ply, n "rubber-rivet" breaker-strip anch age, stronger bead.
6. Supertwist cord in every ply to gu against bruises, fatigue, should breaks.
7. Flexible easy-rolling casing witho the tread stiffness common to hea tires.
8. Built to strictest specifications industry, in materials, workmansh balance and inspection.

**MORE PEOPLE RIDE ON GOODYEAR TIRES THAN ON ANY OTHER KIND**

ographs
by
ard Powers

The central chimney with fireplace on one side and kitchen range on other side

rovides a large and beautiful ace. Used bricks top the cob- nes, some warmly red, and s blackened from long use. granite slabs of varying s from a neighboring quarry a lovely hearthstone.

e edge of the building is peti- d off for a garage, over which es the bedroom, reached by igh, open staircase. A fence of old planks prevents one falling, when and if slum- chains have found him. t woven bed quilts and ed rugs hang over the top and our gallery of dreams is d quite complete.

t to be too primitive, a tiny ic engine is installed in the nodious cellar, with the aid hich we have running water the well a few feet from the e. Concession to safety and enience made it desirable to ot the services of the local and power company, but the s of course hang in old lan- from the heavy beams, re- kerosene in plenty of old s and even shine on either side huge hand-made door in a of lanterns from the pony once used by our flock of ren who are now scattered the world.

ingles were applied to the two ished ends of the barn, and whole was stained a nice, soft n. On the east end of the pole prances an old wooden e, veering with the wind, giv- us N.E.W.S. of changing her. Much coaxing was required to persuade a near-by farmer that this gallant steed would make a better appearance, groomed up, broken leg repaired, compass points properly adjusted, and topping our barn, than it did lamely poised on his, but in the end the trade was concluded with satisfaction to both Yankees.

And now, how did it all acquire the name of Millstones? With the discovery of four discarded millstones in various stages of demolition, what else could it be called? The one perfect corrugated stone serves as a top for the well; another broken in two pieces but deftly joined together, makes a lawn seat; one more, also broken in half, is placed, one half for a doorstep, the other under a window, and twenty-one pieces of a fourth millstone were picked from the bed of the brook and arranged fan-shaped leading down from the open door.

All this was accomplished in one summer, and the following one was devoted to the development of a swimming pool. Our brook had for many years been purling merrily on its way to the sea, not much use to anyone, unless its constant ripple over waterfalls and welcoming to its shaggy banks the brilliant cardinal flower and the shy purple-fringed orchid, two of the rarest of all wildflowers, may be called useful. Again with the aid of local men familiar with pick and shovel, stone and cement, a canal was built, not as big as the Panama, but big enough to divert the brook, so that before it once


# HOW A MAN OF 40 CAN RETIRE IN 15 YEARS

YOU DON'T HAVE TO BE RICH *to retire some day with enough income to support you for the rest of your life.*

IT makes no difference if your carefully laid plans for saving have been upset during the past few years.

It makes no difference if you are worth half as much today as you were then. Now, by following a simple, definite Retirement Income Plan, you can arrange to quit work forever fifteen years from today with a monthly income guaranteed to you for life.

## $200 a Month beginning at age 55

Suppose you decide that you want to be able to retire on $200 a month beginning at age 55. Here is what you can get:

**1.** A check for $200 when you reach 55 and a check for $200 every month thereafter as long as you live.

This important benefit is available alone; but if you are insurable, your Plan can also include:

**2.** A life income for your wife if you die before retirement age.

**3.** A monthly disability income for yourself if, before age 55, total disability stops your earning power for 6 months or more.

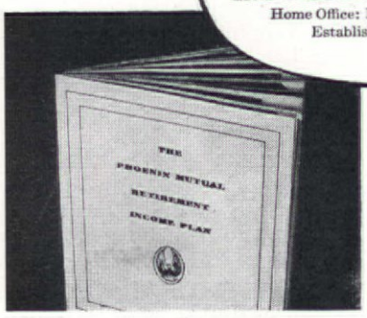
This Retirement Income Plan is guaranteed by the Phoenix Mutual, a company with over half a billion dollars of insurance in force and a record of more than 75 years of public service. If you want to retire some day, and are willing to lay aside a portion of your income every month, you can have freedom from money worries. You can have all the joys of recreation or travel when the time comes at which every man wants them most.

The Plan is not limited to men. Similar plans are available to women. It is not limited to persons of 40. You may be older or younger. The income is not limited to $200 a month. It can be more or less. And you can retire at any of the following ages that you wish: 55, 60, 65, or 70.

What does it cost? When we know your exact age, we shall be glad to tell you. In the long run, the Plan will probably cost nothing, because, in most cases, every cent and more comes back to you at retirement age.

Write your date of birth in the coupon below and mail it today. You will receive, without cost or obligation, a copy of the interesting illustrated booklet shown at the left. It tells all about the Plan. Send for your copy now. The coupon is for your convenience.

PHOENIX MUTUAL LIFE INSURANCE COMPANY
Home Office: Hartford, Conn.
Established in 1851

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PHOENIX MUTUAL LIFE INSURANCE CO.
972 Elm St., Hartford, Conn.

*Send me by mail, without obligation, your new book describing* THE PHOENIX MUTUAL RETIREMENT INCOME PLAN.

Name_____

Date of Birth_____

Business Address_____

Home Address_____

# Via Boston

*By Josephine Gibson*

THE BROAD "ah's" of Boston greet *real* Boston Baked Beans! From the land of "bean and cod," comes the traditional recipe by which Boston-style beans of the House of Heinz are baked and sauced.

As every good New England trencherman will tell you, there must be pork commingled with the plump, brown beans—sweet, translucent blocks of it well-streaked with lean—and dark molasses flavoring the rich juices. The beans must be baked —really *baked* through and through—in hot, dry ovens.

The baking of the bean has always been important in the home life of New England. There's mention of it in Mary Ellen Chase's fine new book *Silas Crockett*. The scene—afternoon in the old Crockett house almost a hundred years ago. Solace and Abigail are sewing before the birch fire in the sitting room. Snow outside, melting and settling before a high March wind . . . The tall clock ticking . . . and from the clean, orderly kitchen, the warm, rich smell of beans baking in the brick oven!

Dear days—but not dead days! For tonight, in your own home, you can serve the same sort of a baked bean supper that made New England famous. For beans — truly Bostonian beans—are one of the Heinz 57 Varieties. They come in the yellow labeled tin, and they require only heating before serving!

If you don't happen to have little individual Heinz bean crocks like those pictured, ask your grocer how to get them. Fill each with Heinz oven-baked beans, Boston-style. Heat in a moderate oven—then serve piping hot!

But let me caution you. Always be sure to get Heinz beans. Heinz beans are oven-baked, as real Boston beans must be. It's this slow, oven-baking that brings out all the delicious bean flavors and blends them with the toothsome succulence of molasses and tender pork!

Why not plan a New England Saturday supper this week? Invite your friends. Serve Heinz oven-baked beans, Boston-style, in Heinz individual bean pots. Boston brown bread, steaming hot, with plenty of butter, adds authenticity. And for the final touch, crisp, crunchy slices of Heinz fresh cucumber pickle!

Come, now—drop a note to your intimates and tell them, "Next Saturday at seven; an old-fashioned dinner—via Boston."

ADVERTISEMENT

more found its way to the Atlantic, it must fill a smiling pool to the depth of six feet, and, rioting over a dam built of moss-covered stones, glide merrily on its way.

One last look inside the open door, and our story ends. All the furniture, and in fact everything inside is old, breathing of association with the past. The cookstove that pokes its nose into the big chimney was made in this very town in 1868. Shining copper and brass pots and kettles hang near by. Old maps and prints and well-worn books mostly picked up at auctions, find places on the unsheathed walls and rude shelves. A spirit of old-time fellowship and homeliness is encouraged by the framed mottoes of cardboard and worsted on the walls. "Little Church Around the Corner," "Kind Words Can Never Die," "Love One Another," "God Bless Our Home," all worked in soft colors by hands long stilled. Most appropriately in the master's bedroom in the balcony there hangs over the pair of farm beds with their red and white counterpanes the welcome suggestion, "Good Night and Pleasant Dreams," and as the old clock on the village church chimes out the hour, we let sleep weigh our eyelids down and steep our senses in forgetfulness.

## They said—"it *couldn't* be done"

[*Continued from page 39*]

Sargents—and from the writer's widow I bought them for a dollar and a quarter. *Now* I come to my four "buys:" first, the easy chair by the window—and what a sight it was on high casters and four buggy springs bringing the seat way up in the air! Off came the casters, on went domes of silence. Off came the springs—and out came the slip seat and back. Then the frame was scoured, the good black hair sterilized and replaced over new webbing. Back and seat were covered with clean sateen from my piece box—and seat and back slipped into place and fastened. The old chair had good lines; a slip cover would do all that was needed. First some newspapers and a pattern to order—then the cover from remnants—black ground and pink flowers, green and brown leaves, just such a calico as one might have found in Washington's time—and the slip was made. Six yards at nine cents a yard, plus a piece of black binding and some thread was all I needed. Tacks, webbing, domes, chair, and cover came to only $3. My second "buy"—the plain country Heppelwhite card table of maple and birch. It sits between the two south windows and, open, serves admirably as a wr table. The junk man let me it for $5. Third, my couch— that really gave me concern a space was so short. A New Ha shire roped sofa extended ove doorway—an Angee bed was much too big. What could I And there in a small dealer's was set up the dearest of tru beds, with posts of equal he and but sixty-three inches lon was mine for $1.50. I paid and dollar to have head board moved, all holes filled and the narrowed. A youth's inner sp mattress and a top mattress n is a joy for $10 more. Green de nearest to the old-time serge, n the eighteenth century cover, a for the Windsor chair with the seat, and the covers for the pill and cost but $1.75; the old pa work pillow and the pillow good feathers, sterilized and under covers, $1.25 more. Now fourth "buy:" the Sheraton co back Windsor rocker. I we never have found it but my needed water. The farmer's looked at the old chair in the and said, "Maybe there's so thing in my attic you would l —and there was. She set the p on the rocker—$3, all original one spoke that had been repla There was on it, however, suffic coats of paint to have mad come over in the Ark. I had s seventy-four of my precious h dred—scraping, refinishing, sewing myself. I still needed lar mirrors, and so forth. I foun black glass base lamp, with a c blown glass globe for $3 and a auction bought the black glass h mate—a perfect match. At a d er's I found the clear glass bl globe. When the two were comp and wired, they stood me $6 Two parchment 12" shad bought at the factory—were s cents. A few minutes of my t added the birds, copied from old Bennington jug. The l mirror frame, black and gold l cost me nothing but time, patie and glue to put it together. I ad the picture top on glass, and mirror—$2. The two old tinsel tures, very decorative, one in old gold leaf frame and the ot in black and gold leaf frame w $2. My "Eagle" picture mir with gold leaf frame, came fr an old house in town—$3; "Soldier's Dream of Home" o the couch, gold leaf frame— My brass candlesticks on the m tel were $2 and the little face scr $1. The odds and ends of old M jolica—all perfect—the highes price, seventy-five cents; the pieces of old imported Bri glass, the two pieces of early An ican glass and the old pottery boxes came within the remain nine dollars.

My "setting room" is home of the age of the old house—

# A New Helper for the Kitchen

**IPING POTS AND PANS**—ScotTowels uickly wipe off grease and soot. Use, then hrow away—nothing to rinse out after- ards! They save your good dish towels.

**RAINING FOODS**—Absorbent Scot- owels are convenient for draining grease rom bacon and other fried foods.

## So Thrifty—only a Penny a Dozen!

PAPER TOWELS for the kitchen—such a convenience! Less rinsing of messy kitchen cloths. Fewer dish towels to wash. Instead—a fresh, clean ScotTowel always ready when you need one!

You'll find many new uses every day for these ScotTowels. Here are just a few that make your kitchen work easier:—

**Mopping up spilled liquids**
**Greasing cake pans  Slicking up the sink**
**Dusting  Polishing mirrors**

And, when there are children in the home, ScotTowels are especially helpful because they save your good linen towels from finger marks left by "half-washed" little hands.

Made of "thirsty fibre"—an exclusive Scott Paper Company development—ScotTowels are twice as absorbent as ordinary paper towels. They really dry.

ScotTowels are on sale at grocery, drug and department stores. 2 big rolls 25¢, 150 towels on each roll. Or, write Scott Paper Co., Chester, Pa.

## INTRODUCTORY OFFER

If you cannot buy ScotTowels at your favorite store, send the coupon to Scott Paper Company—and you will receive:

**2** Rolls of ScotTowels and one Fixture for **50¢**

**6** Rolls of ScotTowels and one Fixture for **$1.00**

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

## MAIL THIS COUPON

SCOTT PAPER COMPANY, 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 $1.00 FOR 6 ROLLS AND ONE FIXTURE

Check color of towel fixture desired: ☐ ivory ☐ pale green

Name_____

Address_____

Dealer's Name and Address_____

A3

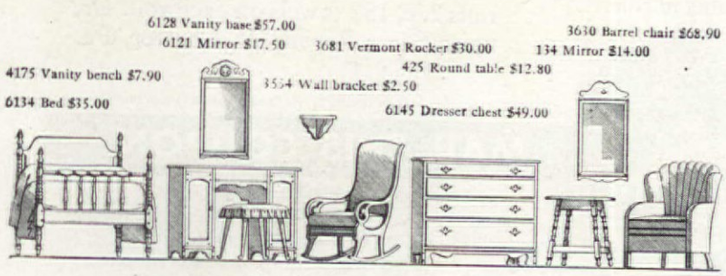
# DREAM ROOM FOR TWO

A bedroom in maple—sunny, cheerful Whitney Maple. Strong to endure; simple, sincere, genuine in design.

Your nearest Whitney dealer will show you these very pieces, this very room—a true "dream room for two". Ask him to point out the many unusual little refinements in cabinet work exclusive with Whitney. Note the unusually sturdy construction. *Feel* the satin-like finish with your fingertips.

Then you will know why Whitney furniture is called "maple at its best", furniture which faithfully reproduces the best work of the cabinet-makers of early American days.

If you don't know who your Whitney dealer is, we shall be glad to tell you. Just write us — but in the meantime, glance at the moderate prices* below. W. F. Whitney Company, Inc., South Ashburnham, Mass.




** Prices slightly higher, Denver and west.*

## ★WHITNEY★

*Whitney Maple for Canadian markets made by*
ANDREW MALCOLM FURNITURE COMPANY, LTD., *Listowel, Ontario*


covers are soft—and ever bright with sunshine; a room good to work in—good to play in—and, judging from the length of time my neighbors stay, good to "set" in—and all for a hundred dollars!

### *My Guest Room*

Now come with me into my little guest room just as it might have been some eighty years ago, when grandmother was a little girl and the attic had just been finished off. Such a tiny room, a good closet, a window facing east overlooking the garden, cream walls, white woodwork, painted old wide pine-board floor, and sunshine to be manufactured. It really was a dare to do the room for $50. But—because they said "it couldn't be done"—I was keen to try. The furniture would have to be of the old painted yellow type to bring warmth and glow, so I began.

I found a spool bed 3' 3" wide, equal head and footboard, with natural color varnish, at a neighbor's for $5. Coil spring, mattress, and pillows, all new, for $15 more. An old washstand painted yellow and grained became with cardboard top under the blotter a fair desk, all for a $1.50. Two spool chairs, seats perfect, finished with natural color varnish, $2 for the pair. A rocker of the same period, same finish, for $3. A disreputable light stand for fifty cents, a bit of matching paint, and crude graining, applied after re-nailing, restored it. My painted bureau was but $3, all in order. The two picture-top mirrors, both restored to maple finish, $4. The flower and Godey prints in old pine frames a $1. The green glass lamp of Lincoln's day with Adjusto and shade, with a bit of painting, $2. The old hook rugs with putty ground, green and black scrolls, and old pink and yellow flowers, came to $9.

Now I had warm furniture, color in lamps, pictures, and rugs and I was ready for my bed cover and window drapes. The butter-cream cretonne with pink and green posies at sixteen cents a yard, scalloped and bound with green, with thin under curtains of marquisette, I made for $2. And my last $2 went into small pieces, vase, rose bowl, and trinket box to tie the room together.

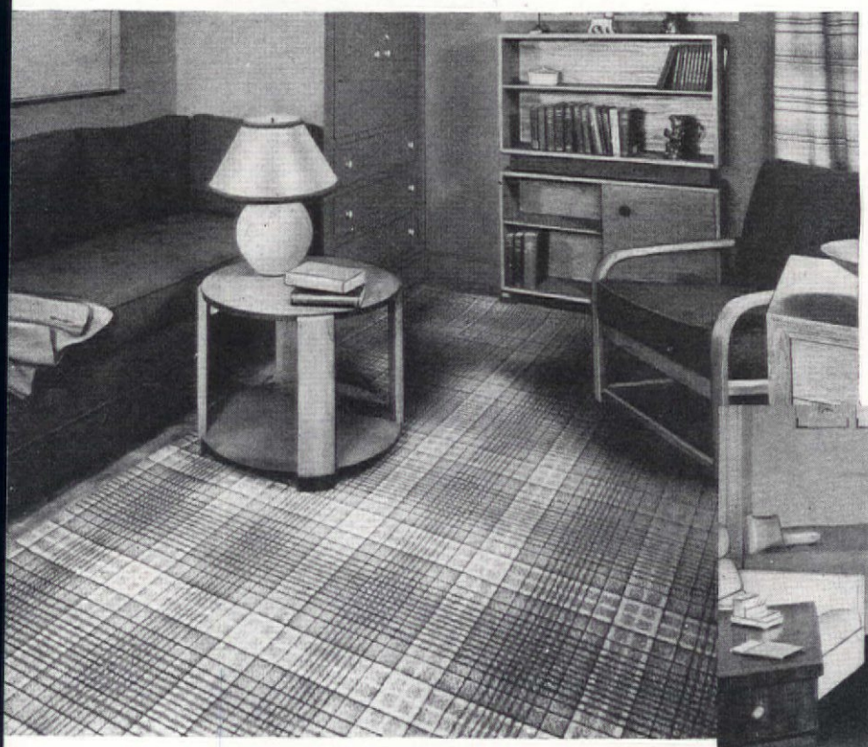
In these days of constant change, it's good to live in a house that has gone on serenely for a hundred and forty years—and better to have a tiny bedroom under the eaves—just as it might have been when the house was young. Blankets in summer testify to the cross draft. Two ample closets provide for my clothes and dressing needs. The walls are painted cream and the wide pine-board floor drab, the woodwork is white, and now to the furnishings for my hundred dollar bedroom.

First my bureau bought
village "antique shop" wit
man insisting, "It's only pine
ing you'll want." But I co
push it with my shoulder,
chanced it. Mended, and w
base of old maple, it's a joy
front is all curl, the balanc
maple, old hand-turned knob
it stands me but $10. Over it
silhouettes of my two daug
cut but twenty years ago, th
new things in the room. Bu
cause of their sentiment, they
become part of it. The old cu
top picture mirror I boug
Maine from an old, old man
older house. The kitchen m
he called it. It hung in the
place behind the kitchen
some ninety years and was a
when his father bought the
I paid a $1 for it, added
cleaning and a new glass, tot
The arrow-back chair, painte
fin red, comes next, at $3. O
hangs a pink and green
(flower) with white spatter
ground in a pine frame. Al
old salt box of pine that h
my dusters—the two were less
a $1. The candle stand, "birc
maple" was a buy at $5, as w
old harp tinsel, framed in
that hangs above it, at a $1
hat brush in old deep-red vel
gift, made long ago by the S
ers. The brass candlestick wit
slide to raise and lower candl
a $1.50. My bed is unusual, h
no head or footboard, only
turn rail between the posts.
three feet wide, maple, of co
Equipped with new coiled spr
Kapox mattress and two gen
pillows, it came to $40. The ca
wick spread, all white, with m
ing curtains, came to anothe
The small quilt or quilted th
$3.50. My old chest with ball
and double keepsake box had
patchwork pillow and two pi
in old mulberry sateen and
gether, total $4. The big chair
with its coffin red paint and
inal seat and the mirror be
$10.

The hooked rugs are soft
colorful, all on putty ground
deep mulberry, dull greens, p
and deep blue tones. They b
out the best in the old coffin
chair, the tinsels, the picture
rors and the glass. (The
being part of my collectio
Raspberry Red, I have not pri
The quilt and cushions are
same tone of mulberry. The r
is quiet, colorful, and conven
quite all one needs, even in
restless day. As restful, I bel
as when the house was young
as I hope it will be restful a
tury to come.

What I have done anyone
do. First your mind picture,
your pieces to fit. Antiques, if
will pick and choose, can b
satisfying. I do wish you'd t
it's great fun!

# *Decorate* from the floor up!

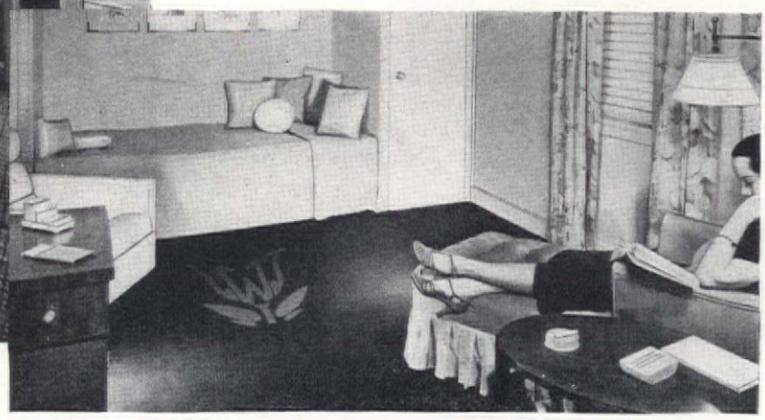


Moralists and decorators agree you should start at the bottom for success! Your floorcovering is the largest piece of fabric in your room... the furnishing that will be *lived* with longest, very likely... and the key to the character of your home.

So choose your rug or carpet carefully from among all the gorgeous Bigelow variety, and let your decorative scheme unfold from that "key."

And for decorating advice that's as practical as a cook-book, ask in rug departments for your free copy of "Bigelow's Folio of Room Recipes."

shings that are definitely masculine and useful in design distinguish this boy's which was planned from Room Recipe No. 1 of Problem No. 15 in "Bigelow's of Room Recipes." The plaid rug in beige and brown is a Bigelow Fervak.

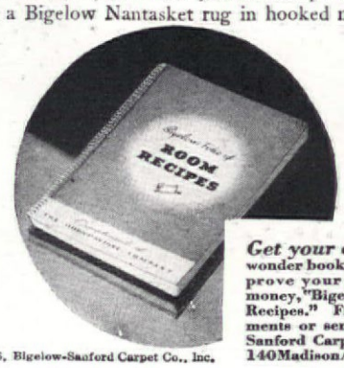


"The One-Room-and-Bath for Bachelor Girls" (Problem No. 12) offers fascinating possibilities. Room Recipe No. 1 calls for a lovely color scheme of gray, burgundy and rose, and wall-to-wall carpet of Bigelow Lokweave* Broadloom in burgundy, with gray monogram set in and invisibly seamed. (*Sold and installed under Collins & Aikman license.)

simple changes—and you can make your room modern with what you have, ut spending much money. (Problem No. 18 in the Folio). Here the transtion has been accomplished through white walls, new slip covers, occasional of furniture, and by covering the floor, wall-to-wall, with Bigelow Firmtwist . The scatter rug is a Bigelow Crescendo.

A liberal use of design and color will do wonders for a bedroom that looks bare (Problem No. 5, Room Recipe No. 1). With gay spreads, a Bigelow Nantasket rug in hooked motifs is perfect.

RUGS & CARPETS BY
BIGELOW
WEAVERS




***Get your copy!*** **Here is the wonder book that helps you improve your home for a little money, "Bigelow's Folio of Room Recipes." Free in rug departments or send 10c to Bigelow-Sanford Carpet Co., Dept. 3 A, 140 Madison Ave., New York, N.Y.**

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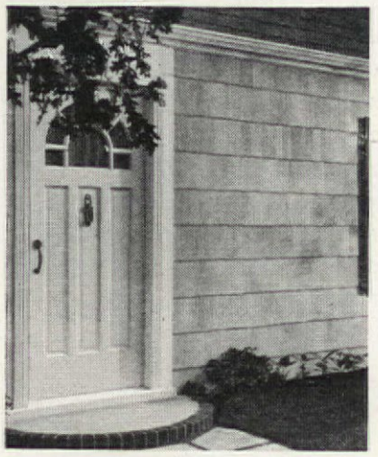
# *NEW!*

## JOHNS-MANVILLE *Cedargrain Asbestos Siding Shingles*



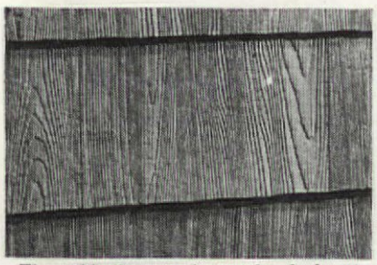
## —provide charm and texture of finest wood ..*fireproof, permanent*

THESE J-M Cedargrain Siding Shingles actually grow more beautiful with time. They will not rot, corrode or burn.

Through faithful reproduction of grain and texture, they provide all the charm of weathered wood, with irregular butt lines. They combine the attractiveness of split wood shingles with the advantages of being fireproof and permanent.

Landlords, realtors and home owners will find these shingles not only a great economy in building, but great restorers of rental and sales values as well.

Look into this ideal way to relieve yourself of all future siding expense. Catalog also pictures and describes many other J-M building materials.



**These shingles come in popular shades of gray and copper. When applied over old side walls, they completely transform the exterior of the house.**

**FREE!**
**Johns-Manville Book on Building Materials**

**Johns-Manville, Dept. AH-3, 22 E. 40th St., New York, N. Y. Send me your free book, "40 Points You Should Consider in Building Your New Home," describing Johns-Manville Building Materials, with a section specially devoted to J-M Cedargrain Siding Shingles.**

**Name**_____

**Address**_____

**City** **State**


## —and these you buy ready made

[*Continued from page 19*]

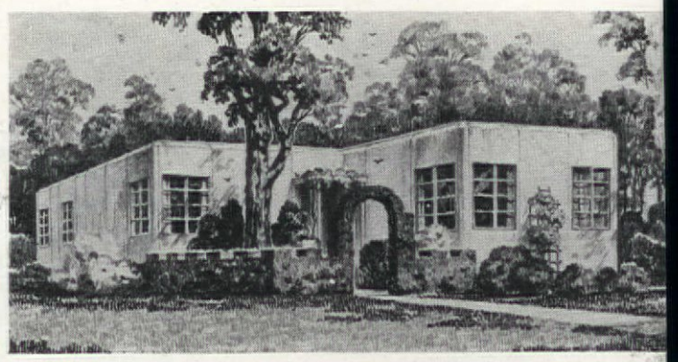
code in your town or city permits the use of this type of construction and these materials and if the fire underwriters approve their use. This does not mean that they are faulty or unacceptable. It simply means that the codes have to be revamped to permit this new type of construction, for the codes in many places have not kept pace with the new trends.

Let us examine some of the materials and construction that enter into a prefabricated house. The prefabricated parts are manufactured in various factories, delivered to a centralized warehouse and shipped by rail or truck to the site where they are assembled by local labor under the direction of a representative from the prefabricating company. It takes approximately two or three weeks to construct the house.

*Foundations:* The foundation and first floor are constructed of concrete with an air space of approximately eighteen inches between the ground level and the bottom of the floor. The majority of houses of this type of construction have no cellars. Excavation is thereby reduced to a minimum. A concrete wall carried well below the frost line is needed as a support for the structure. In cases where cellars are desired, perhaps for an added recreation room or for a garage, if the topography of the plot permits, the foundations are essentially the same as used in regular house construction.

*Frame:* Prefabrication permits a frameless as well as a frame construction. The framing generally consists of steel in one of the following forms:—tubular studding, channel irons, angle irons or I-beams. These are either welded.

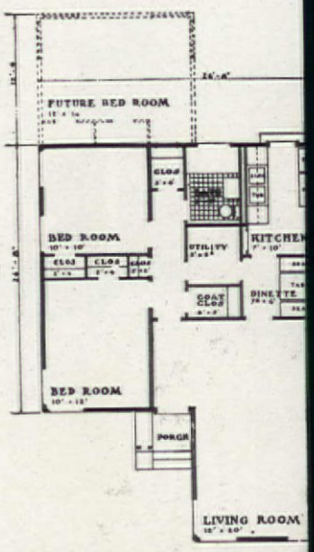
**House construction of Gypsum lumber, a product of the Rockwood Corp. Above, laying floor units for a new house**



**Insulated; fire, termite, lightning, and hurricane proof—this house is assembled in one or two stories, with or without cellar, and enlarged to any size in multiples of two feet. National Houses, Inc.**

riveted, or bolted. Reinforced concrete studs are also used and poured into position simultaneously with the wall construction. One of the frameless types is made of sheet steel channels so arranged to form a flat hollowed wall.

*Outer walls:* Here we have a multifarious choice of ideas running from wallboards through to the various types of precast and synthetic materials. Here also is where the modern insulating materials are used to best advantage. Wall units are delivered to the job ready for installation. They are sheets, panels, or units of workable sizes of various combinations of materials. Some require an additional outer protection while others are complete in themselves. Of the former there are the panels made up of pure cork secured to the steel framing by steel clips and the precast gypsum block with vertical tongue and groove joints, hollowed to provide insulation and to permit of reinforced concrete fill for structural members. These types are covered with a finish of stucco, brick, or other standard materials. Of the types where additional outer protection is unnecessary there are: panels made of Celotex to which is cemented an asbestos board covering on both sides; the reinforced concrete panels secured to reinforced concrete studs with air pockets between studs; copper panels secured to one half inch Celotex board. The edges of these panels dovetail. Others are panels of sheet steel treated with a protective coating of a copper alloy,



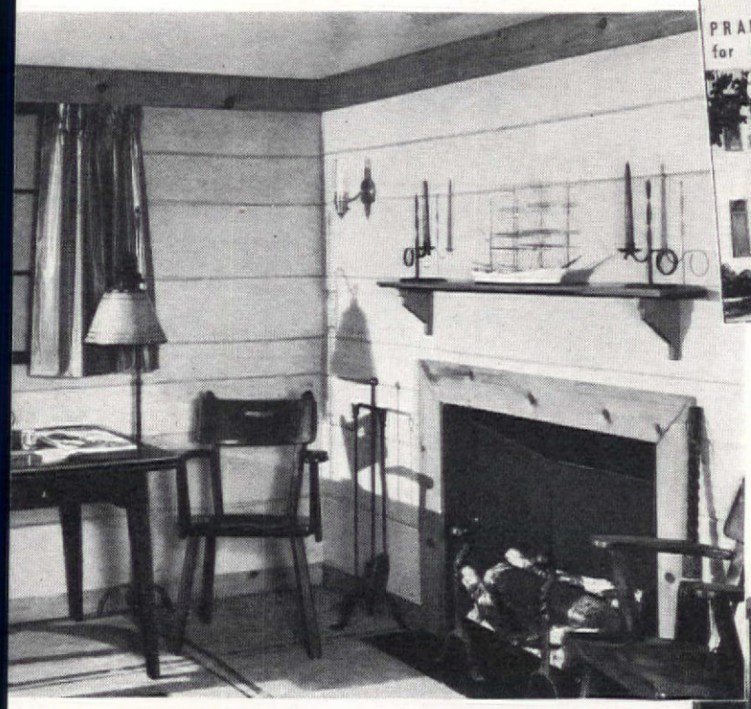

bolted to steel studs; Ce
panels enclosed in treated
sheets; panels of artificial
secured to the steel frame
patented binder.

*Flooring:* In cellarless house
inforced concrete is used for
first floor, wood sleepers are
bedded in the concrete to whi
nailed the finished flooring. C
types are the frameless steel f
consisting of sheet metal in
form of Z-bars bolted toge
floors of various steel mem
built up of channel irons, angl
I-beams, on which are sec
gypsum, concrete, or patented
cast slabs to which is secured
finished flooring.

*Interior partitions:* These
constructed of one of the
weight steel sections, gyp
plank, and the various kind
wallboards. They are covered
either plaster or one of the synt
ic wall coverings. Some are
natural.

*Roofing:* Both flat and pit
types are used. Flat roofs are n
of gypsum plank or some o
form of precast reinforced s
covered with built up roofing.
the pitched roof a nailing mat
is incorporated as part of the
slab to receive one of the reg
roofing materials, such as s
tile, asphalt shingles, etc. In m
houses the walls and ceilings
insulated with either loose or c
pressed insulating material suc
rockwool, spun glass, balsam,
others of the compressed bo
and metalized paper types.

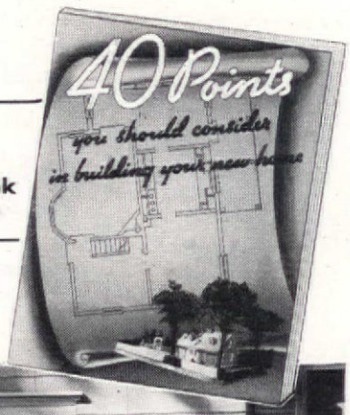
# Do you want the *Latest Ideas* to make your home *modern and comfortable—cheaply?*



**nused space in the basement can become a cheerful extra living room at *l cost.* Johns-Manville Insulating Board for the ceiling and Johns-Manville stos Flexboard for the walls do the trick effectively, as shown above.**

**Thinking of REMODELING? Then send for this FREE BOOK!**

This fascinating book describes and pictures the many things you can do, *cheaply,* to "fix up" your home, make it more attractive and up-to-date . . . livable.




**Thinking of BUILDING A NEW HOME? Then this book is yours, FREE!**

. . . and this illustrated book explains how to go about financing your new home and gives suggestions to help you build soundly.

THE "101 BOOK," above, is packed with *all* the latest ideas and pictures on how to "fix up" your ome, *inexpensively,* with Johns-Manville materials. ow to put a useful room in the bare attic; fix up the sement; put on a new roof of asbestos shingles that ll never wear out; make your shabby kitchen or throom gleaming, cheerful with colorful asbestos ainscoting; insulate your home against heat and cold; nd dozens of other ideas for *remodeling.*

Or if you are planning to *build,* you should send for the 40 Points" home-building book.

Above all, this book tells you how to have a "Triple-sulated" house by using the latest J-M materials. It tells ou how the well-built, 1936 *quality* home is protected gainst *fire, weather, wear;* how your architect and builder n help you; how to arrange for the financing; and many ther things you will want to know about building.

And these books tell you how to go about financing the ork under the terms of the National Housing Act, *the west terms in the history of home financing.*

Don't wait—send for your FREE COPY *today!*

● **Charming Johns-Manville Asbestos Cedargrain Siding Shingles look just like the finest weathered wood. They are fireproof, will never require painting . . . never wear out. In remodeling, go on over old shingles or clapboards.**

● **J-M Rock Wool Insulation saves fuel. In "bats," as above, or blown into hollow walls.**

● **Beautiful, modern bathroom with gleaming "tile-like" J-M Asbestos Wainscoting.**

# Johns-Manville
## *Building Materials*

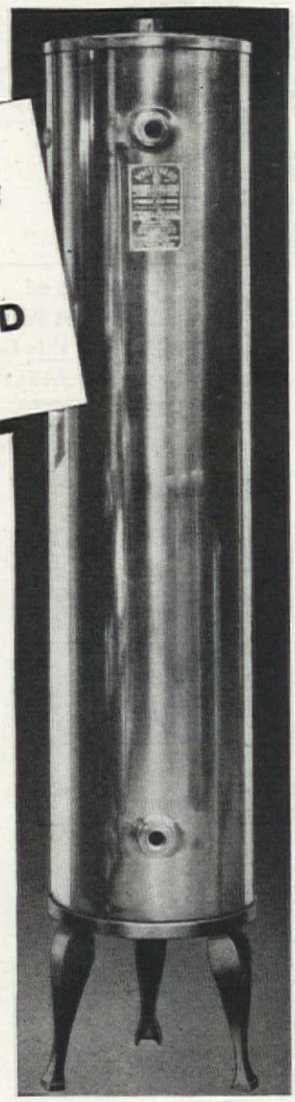
**Send for either book—FREE!**

Johns-Manville, Dept. AH-3, 22 East 40th Street, N. Y. C. I am planning to remodel my home. Send me the "101 Book," free ☐. I am considering building. Send me a free copy of the "40 Points" book ☐. I am especially interested in Home Insulation ☐; Insulating Board for extra rooms ☐; an Asbestos Shingle roof ☐; Cedargrain Asbestos Siding Shingles ☐.

Name_____

Address_____

# TANKS THAT RUST.. SOON BUST!



*There's more reason than rhyme for buying a Rust-Proof Tank of Monel Metal*

**GUARANTEED 20 YEARS!**

GO DOWN into your basement right now, Mr. Home-Owner, and look your old hot water tank "square in the eye."

It's a matter of record that the ordinary tank rusts out in a short time. For all its innocent appearance, it's more than likely to be full of rust-rot and corrosion. From its appearance outside *you* can't tell what it's like inside.

But ask your plumbing contractor. And ask him how many such tanks he has to replace *in a hurry* every year. Then ask him if it is possible for a Monel Metal tank to rust.

He knows from experience... with Monel Metal tanks and water heaters, as well as sinks and cabinet tops...that Monel Metal cannot rust, that it stubbornly resists every form of water-caused corrosion, and that it is stronger than steel. Those are all reasons why a Monel Metal tank can be and is *guaranteed for 20 years.*

Why wait 'til your tank "rusts and busts." Call your plumber now and tell him you want the safety and peace of mind that come from having a Monel Metal tank in the cellar.

If your plumber can't supply you, write direct to the manufacturers of Monel Metal tanks, water heaters, sinks and kitchen cabinets—the Whitehead* Metal Products Co. of New York, Inc., 304 Hudson Street, New York (Showroom: 101 Park Avenue).

*This is a Monel Metal hot water tank, sometimes called a range boiler. It is always as unrusted inside as it is outside. Sizes from 25 gal. up. And 50 to 100 per cent stronger than ordinary tanks. Ask your plumbing contractor which size you need.* *Reg. U. S. Pat. Off.

Monel Metal is a registered trade-mark applied to an alloy containing approximately two-thirds Nickel and one-third copper. Monel Metal is mined, smelted, refined, rolled and marketed solely by International Nickel

THE INTERNATIONAL NICKEL COMPANY, INC.
73 Wall St., New York, N. Y.

MONEL METAL


Prefabricated houses are constructed from architects' plans, each designed to meet the individual requirements of the prospective owner. They are also constructed and completely assembled by concerns who furnish any one of a number of their own standard designs. However, the general consensus of opinion among the prefabricating concerns is that the architect will play a large part in bringing this new type of building into actuality.

Suppose we consider an entirely prefabricated house such as one that would be furnished by one company and set up on the lot under that company's supervision. The actual construction would be as given in detail previously, with or without a cellar, a steel frame anchored to the foundation wall. The tubular steel studding supports the beams for both the second floor and roof. The exterior wall units are of standard length and are four feet wide, made up of cement asbestos covering a Celotex core. The exterior trim and outside joints are covered with a moulded aluminum panel strip which conceals all the joints. The flat-type roof, whose beams are covered with a reinforced composition two inches thick and finished with a topping of cement on asbestos, is used as a sun deck. Steel casement windows are operated from within by means of a small crank. They are equipped with curtain rods and hinged screens. Windows are located in the corners of the rooms which makes for better ventilation and light.

The finished floors of hard wood are secured to floor beams covered with a two-inch reinforced composition. They are in themselves a prefabricated wood fibre compressed into unit sheets. The interior partitions are covered with a washable wall covering which can be obtained in many designs and colors. Both walls and ceilings are sound proofed.

The furnace, oil-burner and hot water tank, and thermostatic controls come practically as one unit. This mechanical unit is installed in a utility room around which is built the kitchen and bathroom. This room contains the air conditioning, heating, and plumbing. The plumbing consists of simplified, prefabricated elements for the bathroom which are delivered prefitted and ready for complete assembly. The electric and mechanical devices come complete in one large metal cabinet.

The kitchen section of this unit comprises the electric refrigerator, sink, laundry tub, and stove. They are all built into an enamel, insulated steel cabinet. The top of the cabinet is a continuous work space. The stove can be either gas or electric. There is ample storage space provided and no waste space whatsoever. This all helps the kitchen a unified, well well planned, and cheerf to work in. The mechan electric equipment are tim bor saving devices. With electrical rates recently effect in various parts of t try, it would be well to l the merits of the electric and the dishwasher. An clock and an exhaust to cooking odors are built of the cabinets. All closets inets are of enameled ste

The bathroom unit inclu sides the enamel steel wal ing, the lavatory, medic utility cabinets, tub and shower and shower curtai kitchen and bathroom are nated by indirect lighting larger houses a laundry u sisting of an electric washe dry tray, and metal storage is installed in the utility r

The exterior of the hous warm gray color which req painting. It can, howe painted any color desired trim to harmonize or cont this house, the builders go s to leave on the kitchen sh supply of staple foods, and bathroom a supply of to ticles to take care of the ne owner upon his occupanc not know if the radio will b ing when the new owner w but I do believe that it is the built-in features.

## Temperature 70° —always

[*Continued from page 20*]

blown or dumped into spa tween framing in walls ar ings of old houses and insta "bat" form in the same pl new buildings. Fill-type i efficient and when made of mineral slag is said to be fir It has been popular in the tion of old houses because easy installation in side w well as in roofs.

A fourth type has recentl its appearance on the r Called "reflective type," forms the function of ins by reflection rather than c tion. In other words, the firs types mentioned slow up t sage of heat through them b they contain "dead" air. Re type turns heat away fr bright shiny surfaces, just is reflected from a mirror.

That is your selection terials with which you can i your present home or the n you will build. These types sulation all accomplish the purpose: they make a b more livable, less drafty, and less costly to heat.

# Styled for the *Smart American Scene!*

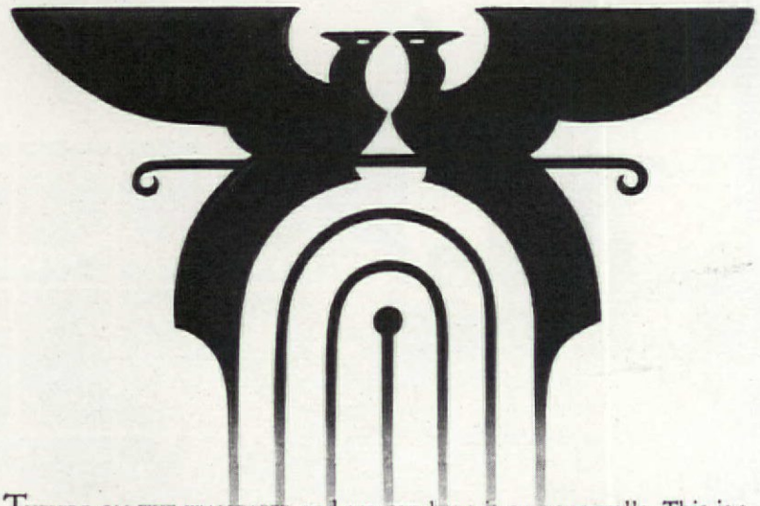
BY RIGHT of pre-eminent quality, distinguished style and every fine-car feature, the new Oldsmobile naturally and proudly fits into the smart American scene . . . Spacious and tastefully appointed, inside and out, it is personally appreciated by those who know and dictate the fashion . . . Its brilliant performance and its complete array of modern features—Knee-Action Wheels and oversize Tires for *comfort,* Center-Control Steering and All-Silent Shifting for *driving ease,* Super-Hydraulic Brakes, "Turret-Top" Bodies and Safety Glass for *safety*—more than fulfill the most exacting requirements . . . A further good reason for choosing "The Car that has Everything," is that the big new Oldsmobile—Six or Eight—is very modestly priced.

*Sixes $665 and up . . . Eights $810 and up, list prices at Lansing, subject to change without notice. Safety Glass standard equipment all around. Bumpers with guards, spare tire, and rear spring covers built into all cars at the factory at extra cost. Car illustrated is the Six-Cylinder Touring Sedan, $820 list. New 6% G. M. A. C. Time Payment Plan.* • A GENERAL MOTORS VALUE

# OLDSMOBILE $665

*"The Car that has Everything"*

# WHY SHOULDN'T YOU AND THE *Peacocks* BOTH BE PROUD?



THEY'RE ON THE WALLPAPER and *you* can have it on your walls. This is a motif from one of the hundreds of new Imperial papers that have set leaders of fashion and design talking enthusiastically. There's great and exciting variety, papers to make you see possibilities in your rooms all over again. Gracious field flowers against the loveliest of rose color, or an authentic, neat Colonial pattern in mellow browns, or a design that's modern and dashing. Of course, they *should* be breath-takingly beautiful, for they were created especially for Imperial *Washable* Wallpapers by the outstanding designers of the country . . . artists such as Paul MacAlister, Helen Dryden, Baron and Baroness von Schenk.

The tremendous resources of Imperial which include the most modern laboratories in the world for color research and wallpaper development, make possible other important values: wallpaper that is guaranteed washable and fast to light . . . wallpaper of the finest quality at the most reasonable price. You can see why you should be sure to see Imperial before you make up your mind. The silver label on each paper, which identifies the genuine, is your protection.

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*Jean McLain will gladly help you select the most suitable and lovely paper for your particular needs. Her service is free. Give her as much information as you can, as suggested below. She will write you specific advice on your problems and send you samples of the wallpaper she suggests, as well as give you the name of the most convenient place to buy.*

*Jean McLain* Department A-5, Imperial Paper and Color Corp., Glens Falls, New York

GIVE HER THIS INFORMATION FOR EVERY ROOM:

| | | | | |
|---|---|---|---|---|
| Name Room here | | | | |
| Size (Large or Small) | | | | |
| Sunny or dark | | | | |
| Period of Furniture | | | | |
| Color Preferred | | | | |

Name_____

Street_____ City and State_____

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FRANCHISED DISTRIBUTORS, DEALERS AND REGISTERED CRAFTSMEN EVERYWHERE


## American design for American homes

[*Continued from page 26*]

Borders or contrasting or harmonizing colors can be added, or simple designs of any type inlaid to make it a real "custom-made" carpet for your own especial needs.

A second large rug classification, and one which heads the fashion list now, are the texture rugs. This is where the machine and the designer have joined hands to achieve character and real distinction in floor coverings. Sometimes they are adaptations of old weaves found in fabrics; at other times they are clearly the work of experiment with machines, for we have discovered that looms can bring out all sorts of interesting effects which have never been conceived before.

### *Rugs have wide scope*

These textured rugs are being used in every type of room, from the simplest Early American or cottage room to the most sophisticated modern. The piles are thick, of heavy sturdy wool yarns; sometimes they are in looped piles, like old hooked rugs; sometimes they combine both the looped yarn with a cut pile to form the suggestion of a pattern. There are smooth, pebbly surfaces; deep heavy piles, like hand-tufting; ribbed weaves; shaggy piles like animal skins; and even long, looped piles like string you have been knitting into sweaters. Often the machines have simulated textures through gradations of color; while the surfaces are smooth, the effect of varying depths of pile is so real that only upon close inspection does one realize that the textured appearance is simulated.

These new textured rugs are having a quick acceptance. Many women like them because they are easy to keep clean and do not show footprints as readily as plain-surfaced rugs. While they are still in the "plain family" group in that while they are not markedly patterned, they still offer design interest that adds considerable charm to room schemes. And many of the new textured rugs are no more expensive than the solid color types.

Before discussing some of the other new developments in floor coverings, it might be said that a smart, decorator thing to do in combination with a plain-surfaced rug is to use two or three of the heavy, textured, shaggy scatter rugs as accents, both color and weave, before a fireplace, a lounge, or a doorway. These "accent" rugs and add infinitely to the luxury of a room because of their great beauty.

Let's go back to 1929 again. Can you remember seeing even one native rug in any of the retail stores? By "native" is meant rugs d from peasant or folk sour one wanted such a rug, a shops had to be searched, an trips made to sections of A or foreign countries where rugs had been made. A room hook rug in an Early Am design would be out of the tion. And yet today almost manufacturer has a group of American rugs in hooked d made on machines. Their have often been stylized to h nize with our wallpapers, f and accessories. Some faith reproduce the old colors charming effect.

The acceptance of the American hook type has country-wide, so that more still manufacturers have bee couraged to look to other p tive sources for inspiration, a ing to present-day use rugs in Guatamala, Scandinavia, land, Greece, the Balkans, Austria, England, France. these are still primitive in fe many of them have a new spir cause they have been reinterp and adapted by American signers. This type of rug is used in modern rooms, as w in such provincial settings as American, Swedish, Calif Mission, French provincial, with very smart effect. Scotch plaids have come into own in floor coverings, giving interest to the Spanish or It oak room where once only Ori types were used, as well as in room types.

Where one once thought o minsters in terms of red and roses, today's Axminsters adapted period designs to the where no matter what peri room may be furnished in, t an Axminster to fit into it. A development here this season adaptations of Chinese rugs i own colors. The designs have simplified and restrained; per left only to the two opposite ners, or used only as a ce motif, with the mass of the r a solid color. Borders are eliminated to enhance the fe of spaciousness in a room. Wil once the old standby, lost popularity for awhile becau their limitation in color and de Lately, however, manufact realizing the wearing qualiti Wiltons have given a new fe to them, one of the oldest f types in the market.

### *Summer rugs*

Even the erstwhile flimsy mer rug which one hated to down even for a season's use

# First Picture

## OF GORHAM'S NEWEST PATTERN IN SILVERPLATE

MARLBOROUGH

| | |
|---|---|
| Coffee Pot | $20.00 |
| Sugar Bowl | 13.50 |
| Cream Pitcher | 13.50 |
| Tray | 15.00 |

GADROON AND SHELL

| | |
|---|---|
| Meat Dish | $22.50 |
| Double Vegetable Dish | 35.00 |

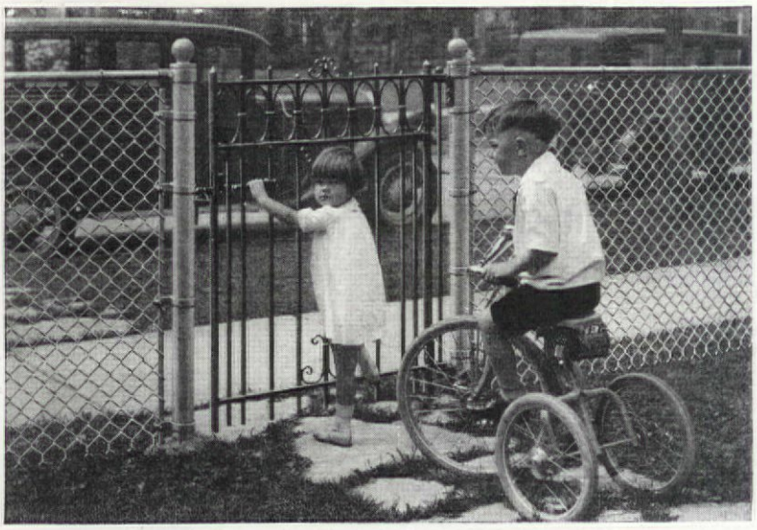
*Any of the suggestions on this page will make a lovely present for a Bride*

BRIDES of this year of grace, 1936, are definitely going "romantic" in wedding silver. And the decorative charm of this newest design in Gorham Silverplate exactly answers this new taste of the younger people. It is sensitively designed and beautifully modeled.

True to the Gorham tradition, Rosemont is substantially plated with solid silver and reinforced with sterling at points of greatest wear. The bride who makes this choice will know she has silverplate that will last a lifetime—and a pattern of enduring charm. A limited introductory offer enables you to secure a 38-piece service for only $39.95. Dessert Knives are $26.00 a dozen. Dessert Forks—$15.00 a dozen. Teaspoons—$8.00 a dozen. For illustrated price lists on any Gorham Silverplate pattern, write us direct. • The Gorham Company, Providence, Rhode Island . . . *since 1831*

**GORHAM *Silverplate***

**THE NEXT THING TO STERLING**



*How Cyclone Fence can*

# BEAUTIFY AND SAFEGUARD YOUR PROPERTY

NOTICE the gate in the above fence. It is a special self-closing gate that keeps children and dogs from wandering away from home.

Notice the sturdy, close-mesh construction—the steel posts, built to last a lifetime. A fence like this keeps out tramps, stray dogs and other undesirables.

Notice also that the fence is good-looking. It is an ornament to the home which it protects. If you do not care for this particular model of fence, there are many different designs to choose from.

There is a convenient Cyclone factory or warehouse from which deliveries can be made to you, within a few hours. And if you wish, there is a complete Cyclone controlled erection service at your disposal.

Remember this—Cyclone is not a type of fence but fence made exclusively by the Cyclone Fence Company. Be sure that your fence will have the Cyclone trade-mark on it when it is completed. It identifies the genuine. It is your guarantee of quality fence. Remember, too, that Cyclone makes a fence for every purpose.

**GET THIS FREE BOOK**

Mail coupon today for 24-page illustrated book. Contains pictures of 14 kinds of fence and tells facts you should know about lawn fence, steel picket fence, chain link fence. Book shows how to have a fence that protects property, that is handsome as well as useful—how to have fence gates that don't drag, fence rails that won't buckle in hot weather, fence post foundations that will not be weakened by frost.

No matter whether you have a modest dwelling or a mansion, a city lot or a farm, a few feet of fence or ten miles of it—you need this valuable book. Send for your free copy today. No obligation.

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☐ School; ☐ Playground; ☐ .....property.

**Cyclone Fence**
UNITED STATES STEEL

leaped ahead in design and construction. The summer rug today is being thought of more and more in terms of year-round floor coverings, so smart and durable are they, and because of the development of the many new fibers in this field. Sisal, a thick hemp rope, jute, cotton, solka, Cellophane, linen; these are some of the fibers that one finds today in "summer" rugs. The designs, instead of the exaggerated floral which inevitably was used here, have taken on such simplicity and good style that they are suitable the year-round in informal country houses, modern rooms, playrooms, dens. The wool and fiber combination has been discovered by the public to be very desirous for bedrooms, being soft underfoot and long-wearing.

*Smooth surface floor coverings*

There is still another important classification in floor coverings which not only has seen amazingly smart developments in the last two or three years, but which should be considered with much seriousness for certain types of rooms: namely, the "smooth-surfaced" types, linoleum and felt base rugs. Here too the story is one of strides forward, so that today linoleum is a favorite with decorators. Where, only a few years back, one thought of linoleum in terms of tile or marbelized patterns, or of a floor covering type that imitated rugs, limited to only certain places in the home, today linoleum is a style leader.

Solid color linoleums have taken on all the smart colors existant in the home furnishings field today, so that it is now possible to carry out almost any color scheme with it. Narrow strips make it possible to work out smart bordered effects, around the wall base, to outline a stair landing, or the entrance to a doorway. Manufacturers have even gone to the expense of working out a series of ready-made cut-out in a wide series of designs. These are simply inlaid into the linoleum, and offer anyone a chance to be her own decorator. The smartest marbelized linoleums do not try to imitate marble graining to an unimaginative point; these have been simplified so that they merely suggest marble grains. Even the colors are in harmony with the smart decorating shades, not in actual marble colors. These new marbelized linoleums are liked by decorators for formal rooms, hallways, and other places where a classic atmosphere is desired.

Because the linoleum-type of floor covering is so easy to keep clean, and because it is considered a "permanent" type in that it will wear for years if bought in a good quality, it is being used more and more for nurseries and children's rooms, playrooms, and all other places where cleanliness is so important. And with all sorts out patterns available, runni gamut from nautical emble classic motifs like the Gree and laurel leaf, such a floor ing can immediately set the rative theme for a room.

The felt base rugs, cous linoleum, while slower to re to the new style movement, ginning to push forward wi signs that are neater and in taste. When one can buy fo tle "loose change" a felt ba in chocolate brown with border in eggshell, or a c wick dot pattern in Dresde and ivory, this field too has thing to say for itself in th of style and should be watc

So with all of this vari floor coverings to choose fro days, and its beautiful cons tion of style and good tas easy to bring the decorator q into any home. When you ar sidering buying new floor ings, sit down and make a all the types existing, and th lect the one most suitable t room needs. The actual buyi be simple. No great shoppin will be needed, for the new coverings in great variet present on every hand.

## Checks and plaids

[*Continued from page 24*]

is a shade darker blue. The p bed is covered in white Per welted in bright red and with at the side of the cover brig on white chintz. The curtai white coarse cotton with " of red cord, an idea borrowed an officer's coat. The star lin the lounge chairs and the furniture are all very good a the plaid walls. The trumpet ing fixtures in polished brass recall the officer who len "frogs" for the curtains.

On page 23 is illustrated a room that has everything a room should have, comfort, plicity, and rugged individu Here we find a brown and plaid linen used on the padde with plain brown linen s welted in white, tobacco b carpet and beige walls. The is in dark brown walnut white lacquer base and trim. Rockwell Kent over the bed copper repoussé picture, an miniature polo mallets are e lent accessories to this mas scheme. Cedric Gibbons wa sponsible for the architecture Edwin B. Willis for the de tion in these rooms.

The smaller photograph a bottom of the page shows c used effectively against plain and carpet.

# Johnnie Junior doesn't leave much leeway in their budget

## ...but a movie record of his growing up fits well within their income

THEY'VE had to use a lot of care in their budgeting with Johnnie on the scene—extravagances, luxuries are outsiders, now.

Still, though Johnnie Junior's sixth birthday is some months away, he's already a veteran actor in their home movie drama. New chapters unfold every day and are faithfully recorded in priceless movies for the years to come. The development of a less expensive camera and film made it all possible on their limited budget.

•

Formerly, home movies were rather exclusive in cost—but CINÉ-KODAK EIGHT has taken them out of the "luxury class"... made them fit modest budgets. It was designed especially for all those people who have wanted to make movies—but thought they were too expensive.

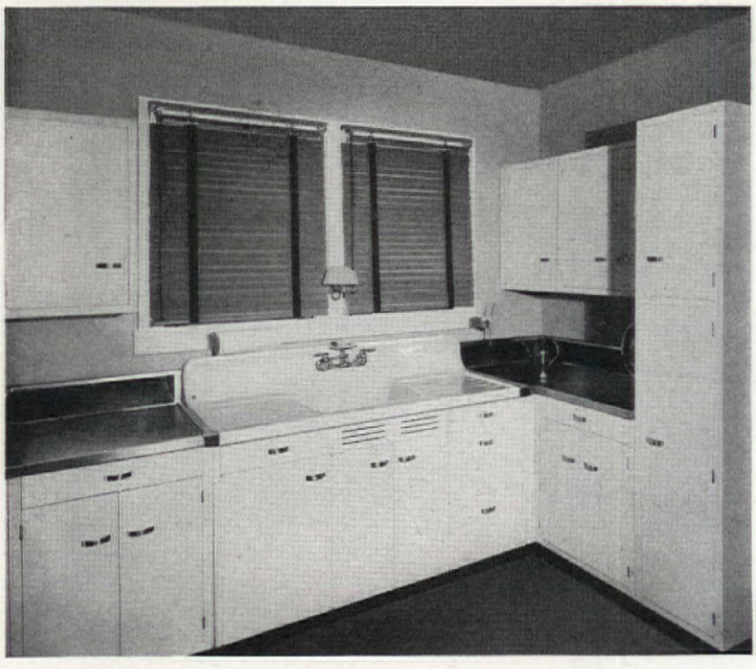
With this new camera, movies cost but a few cents a scene. Let your dealer show you the Eight and the remarkable pictures it makes—today... Eastman Kodak Co., Rochester, N.Y.



**HOME MOVIES at a fraction of their former cost. A twenty-five foot roll of Ciné-Kodak Eight Film runs as long on the screen as 100 feet of amateur standard home movie film. The Eight makes 20 to 30 movie "shots"—each as long as the average scene in the news reels—on a roll of film costing $2.25, *finished, ready to show.* Ciné-Kodak Eight is small, sturdy—costs but $34.50.**

# Ciné-Kodak Eight

*... home movies at less than 10¢ a "shot"*



*A kitchen modernized with Crane* SUNNYSIDE *Cabinet Sink and Cabinet Units*

# There's a Crane Kitchen for your home, too

***This one cost only $462 complete from floor to ceiling***

WOULD you like to lift that old kitchen out of your house—as you would an outworn piece of furniture—and set a new one in its place? It's so easy, under Crane Co.'s new plan. And the cost is so reasonable!

The glistening new kitchen you see above was installed in the home of Theodore C. Warnken of Oak Lane, Pa. The complete job—including all plumbing work, cabinets, and even the linoleum, lighting fixtures, blinds, and redecorating—was only $462, or only $14.69 monthly, under the Crane Finance Plan. The Crane SUNNYSIDE cabinet sink is flanked by matching cabinets which have chromium hardware and composition work tops trimmed in stainless steel. The sink—of glistening Crane porcelain enamel on durable cast iron—is a miracle of convenience and cleanliness. It even has a special flat drying ledge at the back for fragile glassware!

### Quality In Every Hidden Fitting

Behind the sheer beauty and convenience of this Crane kitchen is the sterling quality of Crane valves, pipe, and fittings. These are the vital "working parts" which assure the dependability and thoroughgoing value of the whole.

The Crane Finance Plan enables you to have the convenience and beauty of a Crane kitchen without a cent down and with three years to pay at government rates. Call in your architect or a licensed plumbing and heating contractor to talk over your plans. The contractor will give you complete estimates and make all financial arrangements.

The Crane plan allows you also to have a new bathroom—complete—or downstairs lavatory or a new Crane heating system which reduces the cost of heating your home. All are available under the "no down payment—three years to pay" arrangement. And all are moderately priced improvements adding greatly to the value as well as the beauty and convenience of your home.

### To Help You Plan

If you are interested in a new kitchen, we'll be glad to send a booklet which is of great value in helping you plan it—a "Kitchen Guide" with six SUNNYSIDE "sink-and-cabinet" arrangements to fit the shape of almost any kitchen. We will be glad also to send illustrated literature to help you in planning a new bathroom or heating plant. To get the literature best suited to your requirements, please check the coupon below and mail today.

CRANE CO. A. H. 3-36
836 S. Michigan Avenue, Chicago.
Gentlemen: Please send, free and without obligation, illustrated literature on the subjects I have checked: ☐ Bathroom; ☐ Modern Kitchen; ☐ Heating System. (If contemplating building a new home, check here ☐).

*Name*.....

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# *American Colonial and British*

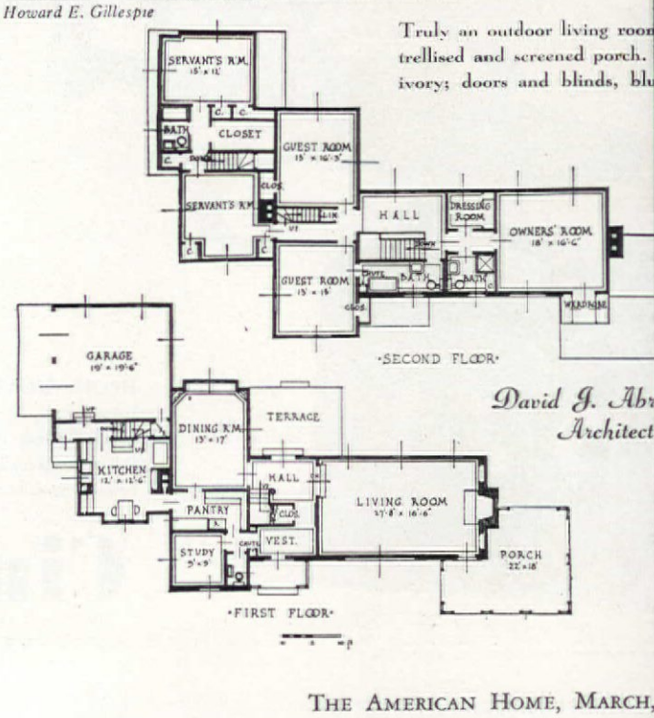
## Home of Dr. and Mrs. Ernest D. Richmo

Eighty-nine feet of rambling house in Reading, Mass. Warm-toned sand brick and heavy butted oiled hand-split shingles, random width light and green, gray, and purple Vermont roof slate

The living room, including dado, paneled fireplace end, and cornice is waxed natural finish native country pine. Plum colored rug makes fine background for Japanese prints, tapestry, and printed linen window draperies

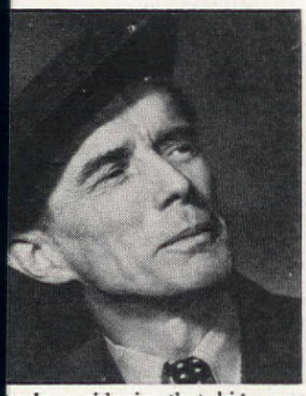
*Howard E. Gillespie*

Truly an outdoor living roo
trellised and screened porch.
ivory; doors and blinds, blu




*David J. Abr*
*Architect*

"Save on
asoline–Buy
Dodge!"
*Says TOM HOWARD*
*famous radio star*



took a ride in that big, new
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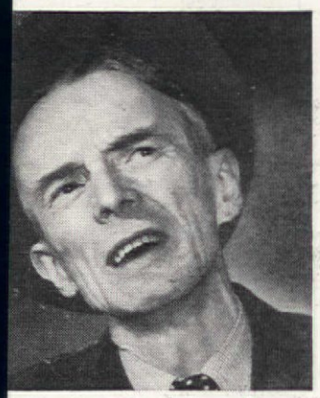
een a car use so little gas . . .



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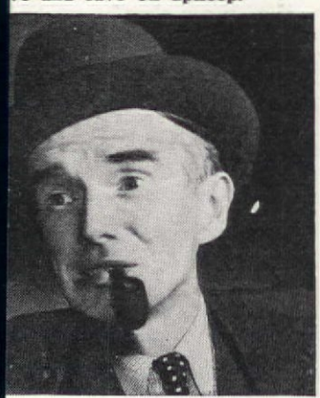
And then they say they save
ve and save on upkeep.



ou get a combination of features
an't be beat . . . Airglide-Ride,
-steel body, *genuine* hydraulic
, and a lot of other expensive-
atures. Take my word for it—
miss driving that big, new Dodge
ty Winner."

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$640 and up, List Prices at Factory, Detroit
der the new Official Chrysler Motors
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lan, Dodge is *now so easy to pay for!*

## *Follow directions!*

MARTHA DAVIS

To begin with, special varnishes are made for special purposes, the difference being not so much in the selection of ingredients as in the treatment given them. It is wise, therefore, in selecting varnish to tell your dealer the purpose for which you intend to use it. He will supply you with the product intended for that purpose, because it is to his advantage as well as yours that varnish be used instead of mis-used.

Select only the best quality products, for cheap varnishes are made of cheap materials and cannot give permanent satisfaction. The advice, "Select your manufacturer first, your product second," is wise. And, after you have chosen your varnish or lacquer or enamel, *read the directions on the label.* I was told that nine tenths of the complaints that come into varnish manufacturers are the result of consumers not reading and following directions. If you are enameling over an already painted surface and the directions say to sandpaper the surface lightly, then sandpaper the surface lightly. Don't take the original coating entirely off, just sand it a little so that the new enamel will have a smooth surface to stick to. If you are re-varnishing a chair that is badly worn and the directions say to remove the entire old coat with varnish remover, then do it. Don't just slap the new varnish on over the old and expect to get a smooth, even surface. Reputable varnish makers put good grade products on the market but unless you follow directions satisfactory results cannot be obtained.

An important item in successful varnishing is that the liquid be thoroughly mixed. When you open a can of varnish or enamel pour off nearly all of the liquid into another can. Then with a flat paddle beat up the remaining pigment and liquid until the mass is smooth and uniform. As you stir, *lift from the bottom of the can* instead of going round and round. Pour back the liquid little by little, stirring constantly, until it is all thoroughly mixed and of a uniform consistency. Then "box the paint by pouring it back and forth from one vessel to another several times.

When you have finished with a can, wipe off the surplus liquid from the groove in the top. Fit the cover on tightly and set the can away. Sometimes a film or skin will form over the varnish or enamel that has been opened, partly used and then set away. If this happens try to lift the skin off in one piece. But if this is impossible then take off as much as you can and strain the paint through cheesecloth. Never start work un-

# EYE-STRAIN
## PICKS ITS VICTIMS YOUNG

This young girl approaches life as a great adventure. Books, movies, toys, school—any number of richly fascinating things to see and learn about. What a busy life for her eyes in the years ahead!

No wonder scientists tell us that one out of every five school children already has defective vision. The strain of studying in poor lighting can affect not only the eyes but the entire nervous system. Many a nervous "problem" child would be healthier and happier if parents knew and applied these fundamental facts about light in relation to seeing:

**1.** *Every* pair of eyes should be examined regularly by a competent eyesight specialist. **2.** Home lighting should be measured by an expert. Many local lighting companies provide this service free. **3.** An I. E. S. Better Sight Lamp provides the kind of lighting young eyes need for healthy development. **4.** Good lamps *stay brighter longer* and give more light than poorly-made bulbs. The General Electric monogram GE on a bulb is your assurance of good light at low cost. Write for General Electric's new illustrated booklet, "Light—for Seeing Safely". It tells you interesting facts about light and sight. General Electric Co., Dept. 166, Nela Park, Cleveland, O.

MAZDA LAMPS MADE BY GENERAL ELECTRIC NOW COST ONLY 15-25-40-60 WATTS **15¢**

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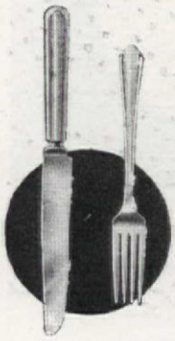
WOMAN'S WORK

IS QUICKLY DONE

WITH OLD DUTCH

**Send Today For This Lovely Wm. A. Rogers A1 Plus Quality Silverware**

**$1.25 Value for Only 50¢**



Beautiful "Croydon" pattern specially selected for its smartness and style. Made and guaranteed by Oneida, Ltd. Your choice of 11 different units comprising a complete set of tableware. You may order any one of these units or as many as you like. Remember, each unit requires 50c and 3 windmill panels from Old Dutch labels (or complete labels). Offer good only in the U. S. and Canada, and expires July 31, 1936.

OLD DUTCH CLEANSER, Dept. S181, 221 N. La Salle St., Chicago, Ill.
I am enclosing____ windmill panels from Old Dutch labels (or complete labels) and____c for which please send me

☐ 6 Teaspoons ☐ 3 Oval Soup Spoons ☐ 3 Table Spoons
☐ 3 Salad Forks ☐ 3 Iced Drink Spoons ☐ 1 Cold Meat Fork
☐ 3 Oyster Forks ☐ 3 Butter Spreaders ☐ 1 Gravy Ladle
☐ 1 Dinner Knife and Fork ☐ 1 Butter Knife and 1 Sugar Spoon

*Name*_____
*Address*_____
*City*_____ *State*_____


til all specks and lumps have been strained out. Never thin a paint with anything except the substances mentioned for that purpose on the label.

And now for a word about brushes. Use only the best brushes and be sure that they are clean. Don't use the same brushes for varnish and enamel that you do for paint, no matter how carefully you think you clean them. And don't buy one brush and expect to use it for floors, furniture, screens, and a half dozen other purposes. Your dealer will supply you with the proper type of brush for your particular use.

Before your job is finished and while your brush is not in use suspend it either in a "brush keeper" liquid, or if this is unobtainable, in raw linseed oil. Don't let brushes stand in turpentine or sandy-looking work will result. The easiest way to suspend a brush is to drill a hole in the handle, if there is not one already there, put a wire through it and let the wire lay across the top of the jar or can of oil. Allowing brushes to stand on the bottom of the can will bend and curl the ends of the bristles and ruin the brush. Be sure the oil comes over the top of the bristles, otherwise they will dry out and come loose. Keep varnish and enamel brushes in separate cans from paint or shellac brushes.

When you have completely finished the job, wash out your brushes with turpentine before they get dry. Then wash the turpentine out with soap and water. Dry the brushes and put them away in a paper bag in a cool place. Shellac brushes should be washed out with denatured alcohol, then with soap and water before putting away.

While it is impossible to give specific instructions for every use of varnish or enamel, a few general hints may be of value.

*Varnishing new wood.* If the wood is open-grained, such as oak, ash, or chestnut, a paste wood filler must be applied first to fill in the pores and prevent the varnish from being absorbed. After the filler has set and before it dries, rub it in with a cotton cloth or piece of burlap so that it will soak into the wood. Let the filler stand overnight to dry. Then fill all holes with linseed oil putty and sandpaper smooth. For a natural finish apply two or three coats of varnish, letting each coat dry thoroughly and then sandpapering lightly before applying the next coat.

If you are going to stain the wood, rub on the stain after the filler is dry, let it stand about fifteen minutes and then rub off. If you let it stand longer the wood will become darker, if less the wood will be lighter. Let it dry thoroughly before applying a coat of varnish. Varnish stain can sometimes be used successfully instead of pure stain as an und

The drying of filler, stai under varnish coats is part ly essential because the fina will become cloudy and opa if there is any moisture neath.

If the wood is close graine as yellow pine, white pine c lar, a liquid filler may be u none at all depending on th of surface. All holes should b with putty, the surface smooth, and the directions above followed.

*Re-varnishing.* The most tant thing in re-varnishing the surface be smooth, dr free from any dirt or grease. original varnish is in good tion a good washing with and water followed by a th rinsing is all that is necess the way of preparation. often, though, soap leaves of grease which will work when the varnish is finally a This grease film can be re by liberal rinsing with pure but the easiest and safest n is to put a little vinegar monia into the rinse water.

Sometimes moisture seepin the wood from vigorous w will raise the grain a little. should happen, sand it smoo fore varnishing.

If there are dark spots original finish due to moist atmospheric conditions the often be rubbed out with fin wool, but if they cannot, th whole finish will have to moved and the spots bleach good bleach is made by dis one pound of oxalic acid i gallon of water. The acid wi solve in about five minutes a solution can then be applied a brush. Let it stand for th four hours or until the spots disappeared and then was bleached surface thoroughly water and sand carefully dry. Light spots can usual touched up with judicious cation of a little stain.

One coat of varnish is gen all that is necessary to refi surface in good condition. more coats are applied each should be lightly sanded thoroughly drying.

In re-varnishing floors, if th surface is worn down slight the entrance ways or be rooms, it can be touched up a little orange shellac. This generally bring the color back the only way to tell is to try one spot and if it does not then all the old varnish will to be removed from the entr Apply the varnish remover w brush and let it stand for fi minutes. Then scrape it off w putty knife. Wash the parts the varnish remover was used gasoline or benzine. This is important for if the acids i varnish remover are not cou

E PITTSBURGH PLATE GLASS COMPANY PRESENTS

# Paint and Glass

## AS FIRST AID FOR AGING HOMES

ARE you tired of the rooms you live in? Does your home, inside or out, look a little weary, worn and worried by the passing years? Then why not DO something about it? For there are a hundred and one ways . . . many of them simple and inexpensive . . . in which paint and glass can give your home new beauty and personality.

A coat of Wallhide, a well-placed mirror, walls of gleaming Carrara Structural Glass in the bathroom . . . but there are so many ways to make paint and glass work miracles that we won't try to tell you about them here. Instead, we invite you to write for a free copy of the special book called "Designs for Living," which our Studio of Creative Design has just completed. It contains scores of helpful suggestions for modernizing time-worn homes . . . for making new homes more attractive and livable . . . by the use of paint and glass. It's a real, practical handbook on home improvement. Use the coupon, and don't forget . . . this helpful book is free.

CARRARA STRUCTURAL GLASS in alternating horizontal panels of Black and soft Gray forms a lovely wainscot in this bathroom. Then the clean friendliness of Wisteria Wallhide Paint on upper walls is added, Peach Wallhide in the tub recess, a Dove Gray Wallhide ceiling and White Waterspar Enamel trim. A bright spot in this use of glass and paint is the flesh tinted mirror above the wash stand.

SHED PLATE GLASS in a lovely, brilliant picture w like this can *make* a room . . . and it adds tre- ously to the exterior appearance of your home.

PITTSBURGH MIRRORS . . . blue, flesh tinted, gold, gunmetal, green or Crystalex . . . work modern magic in giving dark rooms more light, drab rooms more color.

SUN-PROOF PAINT in your favorite colors . . . there are twenty-four to choose from . . . makes the outside of your house present a smiling welcome to the world.

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THE STORY OF FIRTH—I: *PROVINCIAL HOMESPUNS*

# Firth Finds Pattern for Today's Rugs

## *on Quaint Hand-Looms of Long Ago*

WHAT a treat for today's rooms! Firth style pioneers searched out lovely authentic fabrics woven long ago by hand—took their magic beauty and simple, living design to make glowing modern rugs. Rugs of striking newness—smartness—good taste. And rugs that bring an age-old tradition of serenity—love—and contentment into your rooms . . . as a heritage from their folk-art origins.

In the Provincial Series, there's the *Connecticut Quilt* (large illustration) to breathe the beautiful, sturdy tradition of old New England into modern or colonial interiors. *The Bavarian Burl*, a symphony of wood-motifs, woven first by peasants of the Black Forest, now superb with your new decorative wood effects in furniture. And seven others from remote corners of the world. . . .

Other Firth style groups bring you other original decorating ideas. All are fashioned of fresh, springy, sani-cured wools in Firth's famous deep-pile axminster weave. All are modest in price. All designed to bring spiritless rooms to life. Send for the Firth "magic window" described below and see the charm they'll add to your own rooms.

**PROVINCIAL HOMESPUNS**
Another Firth Fashion Group of "decorator" rugs at popular prices. Sunjoy axminsters in homespun patterns, priced reasonably in a variety of sizes at your favorite store.

CELTIC BASKET-WEAVE MAYA-MAYA SPANISH PROVINCIAL BAVARIAN BUR

FASHIONS FOR FLOORS **FIRTH**

NOW YOU CAN SEE THEM ON YOUR FLOO

SEND for the free "Firth Finder"— a little magic window thro which you see each rug design projected onto your own f Complete with full-color rug reproductions and a story book a them. Just fill in and mail this coupon:

**FIRTH CARPET COMPANY, 295 Fifth Avenue, New**
Dept. A-3
Please send me the "FIRTH FINDER" *and* PROVINCIAL HOMESPUN

*Name*_____

*Address*_____

d killed they will work the final finish in the form ubbles. After the gasoline ply a thin coat of shellac build up the surface to of the rest of the floor many coats of varnish as ry. Then sand and apply coat to the entire floor. h that has been stored in lace is apt to look gritty when applied. To remedy he can stand in a heated til it is the same tempera- the room. Any interior g should be done at a ture of about 70° F. and e temperature should be ed as near as possible e varnish is drying. Sud- nges during drying will e varnish to cloud, blister. Naturally the room should ee from dust as possible particle of dust that gets varnish is bound to show al times its actual size.

*eling new woodwork and* . All knots and sappy ould be coated with shel- et dry. All holes should be th putty and the wood smooth. Then a priming some kind must be ap- cover the wood and fill in es and also to give the something to stick to. has dried sand lightly and e or more coats of enamel.

*eling over paint or old* If the surface is in good n the only preparatory necessary is to sand it But if the enamel or paint n chipped off one or more white undercoating should ied to those spots to raise the level of the rest of the Each coat must be thor- dried. In the case of win- ls, etc., that have been l and warped by the it is better to remove the nish by scraping or using a emover and then proceed- ou would for new wood.

*eling over varnish.* The should be sanded smooth n one or two coats of un- ng applied before the final is put on. Mahogany sur- ould be treated first to a at of shellac before apply- undercoats to prevent the ny stain from "bleeding " and discoloring the

*ishing linoleum.* New lin- must be washed with tur- or benzine to remove the ating which is applied be- leaves the factory. Old n should be washed with nd water and then rinsed y to remove all traces of wo coats of varnish are ble if you are varnishing for time. Thereafter, the var- ould be renewed once or year to keep the linoleum fresh and new.

*Lacquering interior surfaces or exterior metal surfaces.* The surface, whether new or old, should be clean, dry and free from grease and wax. If varnish remover is used to take off an old finish the surface must be carefully washed with turpentine and allowed to dry before the lacquer is applied. Use a soft bristle brush and keep it well filled with lacquer, flowing it on with long even strokes. Lacquer does not require much brushing but levels out easily into a smooth finish. Allow the first coat to dry before applying another and be careful not to overbrush the final coat.

To sum up—buy good products, see that you have all your materials ready before you begin working, prepare your surfaces carefully, read and follow directions, and your time and efforts will not have been spent in vain.

## *Plan your kitchen to save steps*

NINETY to ninety-five per cent of the kitchens existing today are obsolete from the standpoint either of equipment or of arrangement. This was discovered in a survey made by Westinghouse, under the direction of Irving W. Clark, and is something for housewives to note and take to heart. Westinghouse has taken steps to analyze the problem, and to solve it so that the woman in the house may have as efficient an operating plant as the man in his office or in the factory.

It was found that in many kitchens it takes from 200 to 320 steps to prepare an average meal. It was proved that by proper planning and arranging of "work centers," the same meal can be prepared in from 50 to 60 steps—a decided improvement!

This is shown dramatically in the two charts on next page. Compare the average kitchen which, like Topsy, "just growed," and the planned kitchen. In the former, the routes of travel necessary in the course of the preparation of a meal run in and out, up and down, and in many crossing directions. The other chart indicates the great contrast that careful planning and proper relationship accomplishes. Note the single straight line of operation from the receipt of supplies at the rear entrance to the delivery of the finished food products at the dining room door.

Westinghouse engineers have worked out a comparatively simple basis of efficient kitchen planning. Fundamentally, it depends upon the arrangement of three "work centers." These are: 1. the refrigeration and preparation center, 2. the sink and dishwasher section, 3. the range and serving section.


"I bought Fostoria American because it was so inexpensive . . . but I use it for parties because it is so beautiful"

AND that's really the reason Fostoria "American" is the country's most popular tableware—it's inexpensive and it *is* beautiful! With their diamond shaped facets, Fostoria "American" pieces adorn today's tables with the same charm and brilliance that brought fame to the Colonial craftsmen who created their crystal masterpieces a century and a half ago.

Hard, everyday use is no disaster to this rugged Early American pattern. It's sturdy, but at the same time, it makes a stunning table setting for luncheons, and dinners too.

You can see this characteristically American tableware at your nearest glass or department store. All the pieces are very moderately priced; the lovely stemware, for example, being only $3.75 a dozen. Occasional dishes range from 25¢ to $2.50 each for the largest ones.*

For further information about the "American" line, write to Fostoria Glass Co., Moundsville, West Virginia, and ask for Folder No. 7.

** Prices slightly higher in the West.*

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**wood paneling**
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*Wallboard Prices*

PROTECT YOUR HOME FROM FIRE *with*

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**Now you can have paneling that faithfully reproduces wood—plus the fire protection of Gypsum—both combined in one product, Wood Grained Sheetrock.* Actual reproductions of carefully selected panels. Finished with a lacquered surface—realistic, attractive, inexpensive.**

**Made in wallboard sizes 4 feet wide, 6 to 10 feet long. Readily cut and nailed. Used for wainscoting and ceiling high panels. Can be shellacked and waxed or varnished, or left just as it is. Four woods, Knotty Pine, Walnut, Matched Walnut Panels and Douglas Fir.**

**Because made of gypsum, this fireproof wallboard helps protect the wood framework of your home from fire. "For Economy Build with Wood—For Economy and Safety, Protect with Gypsum."** *Registered Trade Mark

USG

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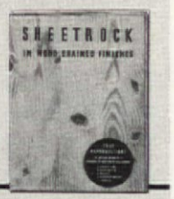


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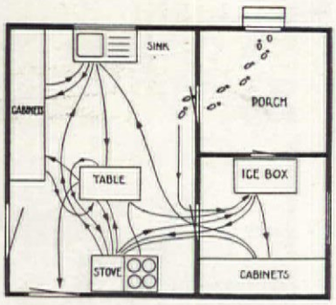
*City*..... *State*.....


Each of these units can stand as a complete unit itself. But the relationship between the various centers has a very definite bearing on the efficiency of any particular kitchen. This relationship is the crux of the whole matter.

The refrigeration and preparation center, figure No. 1 in room charts shown, combines the storage of all perishable goods in the refrigerator with the storage of staple food materials in the cabinets above the counter. The counter surface makes a convenient, properly located work surface upon which to blend these foods, while in the base cabinets beneath the counter surfaces are stored mixing cutlery, flour and sugar, and baking utensils. This is quite a contrast to conditions found in the average kitchen, where the refrigerator, in far too many cases, has simply replaced the old ice-box down the back hall, on the back porch, or in a poorly selected inconvenient corner of the kitchen itself. The refrigerator has been developed mechanically and is insulated to work most efficiently, located in kitchen temperatures.

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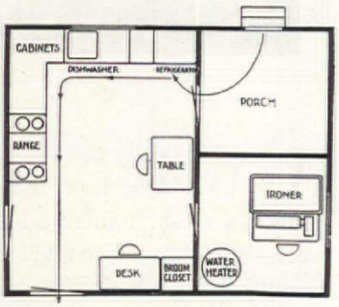
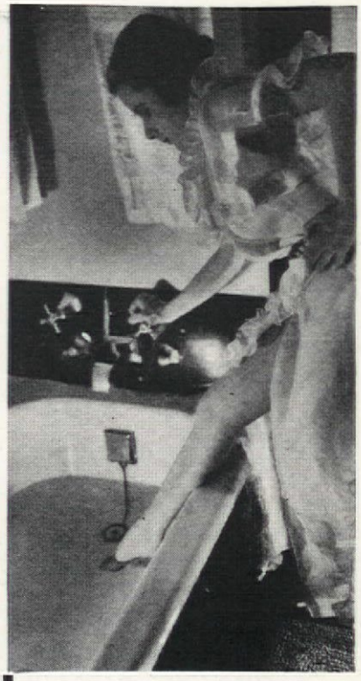



AFTER

Its efficient use throughout the year in the kitchen has become a proven fact. True, this valuable piece of equipment has been and still can be used as an individual unit standing by itself, but figured as a complete center properly located, its efficiency—its real value to the operator—is increased most materially.

The sink and dishwashing center, figure No. 2, is the key to the kitchen arrangement around which the other centers should focus. It is, therefore, given No. 2 position which places it definitely in the center between No. 1, refrigerator

*Hard water... the*

# GAY DECEIVER

• Even hard water looks sparklingly clear when you get in your tub... but look at it when you get out! See that scummy ring. And feel that same scum itch and smart as it dries on your body and settles in your pores.

The ring around your tub isn't dirt. It is a sticky, insoluble curd formed by the action of hard water on soap. That is why nothing washed in hard water is really clean. It is this curd that makes your hair harsh and stringy; that leaves a film on your china and glass; that shortens the life of your clothes; wastes your soap.

Hard water is an expensive nuisance, but you needn't put up with it. A Permutit Water Conditioning installation attached to your household water supply will remove the offending impurities . . . give you the luxury of really soft water. And best of all, water conditioning is not expensive. A Permutit installation can be purchased under the FHA plan, and will save enough to meet its payments. Let us show you how.

# Permutit

*Water Conditioning*

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Room 703, 330 West 42nd St., New York City

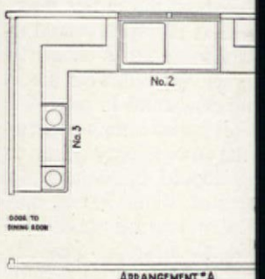
Please send me copy of free booklet, "The Magic of Wonder-Soft Water."

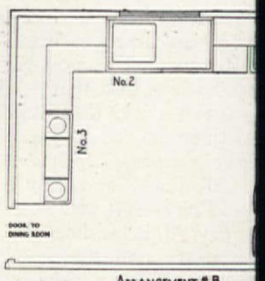
*Name*.....

*Address*.....

*City*..... *State*.....

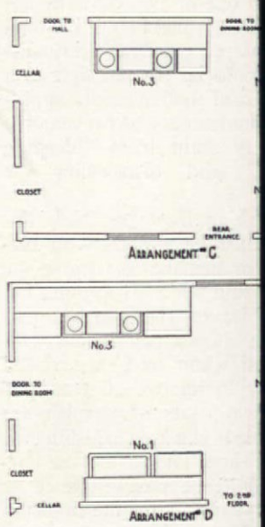

and preparation center, a
range and serving center.
cleaning operations are pe
Cabinets on either side a
counter surfaces are used
storage of dishes and g
This location is quite a co
the old system of carryi




back and forth to remote
or storgae cupboards. Th
of both steps and time in
ter arrangement is obvious
counter surfaces on either
the sink care for the n
stacking of dishes during
processes. In the base cab
each side of the dishwas
combination, cooking u
cleaning supplies and equ
and a ventilated storage
non-perishable vegetables
cut the number of step
time element very materi
increase the efficiency of th
en operator.

As in the other two cente
the range and serving cen
ure No. 3, ample counter
for proper placing of servi
during the important pe
serving a meal, has gre
creased kitchen efficiency.



**lutionary method**

# ENDS TH DAMAGE 12 months APPLICATION

*ur clothes any time)*

**nly home-use preparation withstood the dramatic fied Mothproofing Test**

**OP** — **BOTTOM**

oth treated ly sold, or- oth liquids, avoc caused hs arrived. — The same cloth treated by exclusive Larvex principle. After 12 months not a single fibre touched.

**Can't Eat Larvex-ed Woolens**

ing—this thrifty new method of *fing* precious woolens for 12 long n a few minutes.

rkable new Larvex liquid not only way old-fashioned moth bags and ors, but also ends the uncertain- uids lacking the exclusive Larvex

rities know risky sprays (and kill only the moths *they touch*— ckly evaporate. New moths soon ugh even the tiniest cracks and disturbed.

ng and exclusive Larvex home- t *mothproofs the cloth itself!* THEN AN'T EAT IT! Only *one* application r's protection for suits, coats and olens. No smells. No wrapping or —clothes ready to wear any sea- always protected.

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is the only product sold by all offering this revolutionary new d. Big textile mills have used or years. Now thousands of wo- , know and depend on its con- and safety.

x has no odor. Harmless to fabrics, pets. Cannot stain. Also protects holstery, drapes for a whole year. waste any more time and energy ky, out-dated methods. Spray once—any time—and enjoy 12 of freedom from moth worries at st.

e efficient Larvex sprayer for best it lasts for years. Get a bottle of today. At all drug and depart- res.

VEX CORP., CHRYSLER BLDG., N. Y. C.

inet directly above the range cares for the storage of vegetable serving dishes and platters. Again, this is a contrast to older methods used in the former hodge-podge kitchen of yesterday when these pieces of serving equipment were stored in the most inaccessible and out-of-the-way places, which caused innumerable steps and great inconvenience. In the cabinet below the counter on the side of the range is stored the necessary cooking cutlery, pastry which is needed in serving, and frying pans which are always used first by preheating at the range. This center, like the others, can stand as a single unit by itself but its efficiency is greatly increased by the proper relationship to the two other centers.

A great number of outstanding engineering developments of these individual kitchen units and of materials used in the kitchen, has been made available in the past decade, and has greatly relieved the drudgery with which housewives of earlier times continually had to struggle. The electric refrigerator, range, dishwasher, laundry equipment, and more recently, air conditioning, either have been or are being developed to a degree of high individual efficiency. But the efficiency of the whole depends upon the relationship of the individual units, one to the other; in other words, their arrangement in the kitchen.

*Note:* Figures A, B, C, D indicate the four types of kitchen into one of which all planned kitchens may be classified.

## *A home furnishing reference library*

A DEPARTURE in public libraries is the home furnishing reference library recently completed by Lionel Scott for the Adams Furniture Company of Toronto, Canada. We believe it is the only one of its kind that has been compiled primarily for housewives, students of interior decoration, practical decorators, and artists or craftsmen in the applied arts.

This library is selective rather than exhaustive and contains many books not to be found in the average public library. There is a dictionary of English furniture, for instance, which contains a wealth of information. There are also, the leading magazines on the subject—including THE AMERICAN HOME—and outstanding periodicals from European countries will be added shortly.

The library is open to the public without fee or obligation of any kind during the store hours, 8:30 to 5:30 daily. It is indeed an innovation which should prove very popular and helpful.

# "Mrs. Wilson won't need her shawl any more!"

## *says this man*

**BY BLOWING J-M ROCK WOOL between attic floor joists and into hollow walls, this man puts an end to cold, draughty rooms.**

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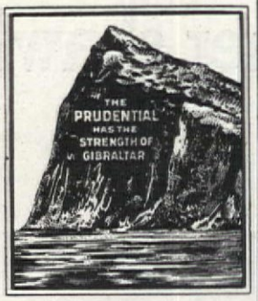
*A word with those who have no children*




You who are without children need to make special preparation for your later years

You will require life's essentials and comforts after you have ceased to earn

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**FREE** . . . a generous sample of Mello-glo—also how to get a $1 bottle of exquisite perfume absolutely free. Just mail your name and address to Mello-glo Co., Dept. 101, Statler Building, Boston.


# *Two closets in a child's room*

THOMAS ROBERT EDWARDS, JR.

HAVE you ever wished that your child had a playroom somewhere in the house, knowing, however, how impossible such a luxury might be? Haven't you longed for some place, other than the floor, where Junior could store his toys, where they could be kept out of sight when company comes, and still be accessible when he wants to play with them? How often have you had to reach for some of his clothes from a high hook or hanger or shelf, so that he could dress himself?

These questions, and several others, are well answered by having two closets built in connection with the child's bedroom—the one for toys, the other for clothes.

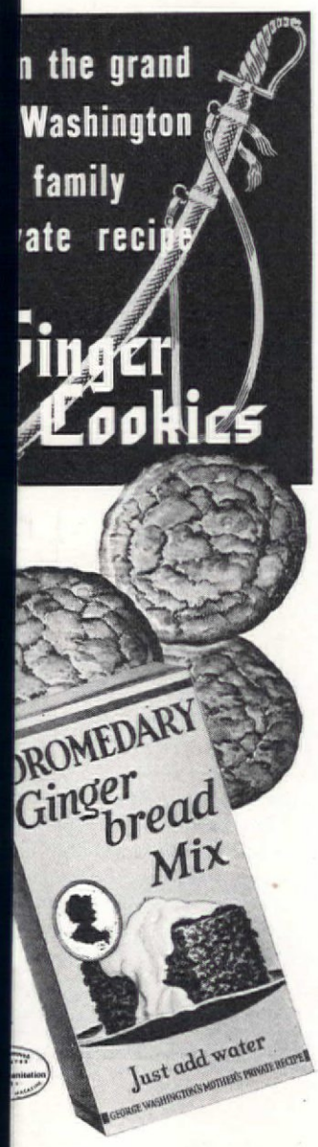
The former should have a bank of shelves reaching from a point twenty inches up from the floor to a point about a foot from the ceiling, and twelve to fifteen inches from front to back. As shown in figure 1, the end cleats supporting the boards should be long enough to admit of widening the shelves by several inches: room for expansion. This arrangement will provide a large space for storage, and make it possible to teach the youngster neatness in connection with his possessions, which is utterly out of the question unless some adequate provision be made for the purpose.

As to the clothes closet, in addition to the standard rows of hooks and the clothes-hanger pole, put a duplicate set half way between the floor and the set placed at the standard height; six inches higher still, is preferred by some. While the child is small, even until he is eight or nine years old, he can always hang up his own clothes (figure 2), and not call for mother whenever he wants something off the hanger t

This second clothes-hang should be easily removal that no destruction of the work is necessary when th comes to discard it. To plish this, the upper half bracket hole that support one end should be open (fig In that way, the other end

Figure 3: Close-up of removal of clothes-hanger pole, showi easy it is to install and ta

Figure 1, above: A arrangement for a toy closet, showin ities for expansion space. Figure 2, child's clothes should be so arra to let him get h clothes without as

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with or without order, her beauty booklet, *"How to Look Years Younger and Grow More Beautiful as You Grow Older."*

E SKELLY, Salon of Eternal Youth
Park Central, 56th St. & 7th Ave., N.Y.


pole may be inserted in the opposite bracket, and the free end dropped into place, or removed, without interference.

In our own house, we have found these two closets to be very practical. The youngster's toys are put away at night, and he assumes responsibility for the task. His clothes are always in order, even though it is occasionally necessary to do a little overseeing in that direction.

## *Old napkin rings for modern use*

JOSEPHINE AVERY BATES

BRING forth the long despised napkin rings, regarded, at best, as a necessary evil, and make their stock rise, as a beautiful article of adornment. Now is the time to act, while the vogue for bracelets is on in full force!

The fashion of large families, in the past, is the background of this idea; for in those good old days, when fourteen often sat around the homestead board, one liked to feel that one's napkin was his own. Modern improvements have made it possible to change the nappery for each meal. Not so in Grandmother's day, when, at best, there was but "the maid of all work" and thrift was evident in the saving of linen—hence the individual napkin rings.

Many of these old-fashioned rings have truly beautiful hand workmanship on them and should come forth to take their proper place among antiques. Sometimes seamed and soldered at one side—we make our opening here; and have them sprung just enough to encircle one's wrist. It is a simple and inexpensive thing to have the sharp edges bound with a suitable band or beading, for a finish; and an article is brought forth unlike anything in the shops today. I love to look at my particularly lovely one, with the hand-wrought windmill of Dutch design and fir trees beside a bridge. Across the little arch of a bridge one goes on past more trees, of the shade giving type, beside the homestead itself, where the rail fence and well house are plainly shown.

It is fascinating to study the

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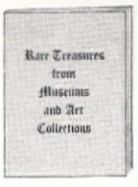


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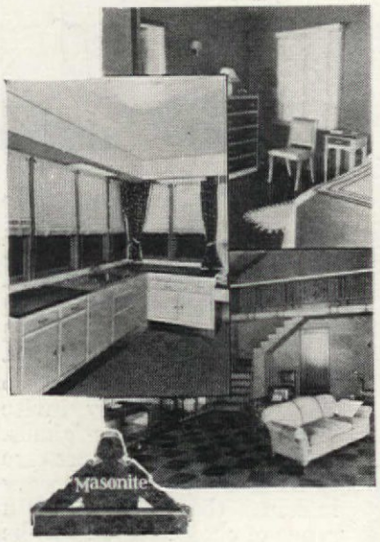
A "**LIVING**" ROOM

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Masonite STRUCTURAL INSULATION is ideal for upper walls and ceilings. Supplants other materials, so it really adds no cost. Assures a cooler house in summer . . . warmer in winter. The first step in air-conditioning.

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Because of their natural beauty, many people prefer to use Masonite INSULATION and Masonite PRESDWOOD without further treatment. If desired, they can be varnished, painted or enameled.

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napkin ring and think upon its past; where hospitality was dispensed during its humble use. As a child I can remember it being used in my aunt's old brick house, where she was the lady bountiful to us all.

Each edge is bound by a decorative band of chased design; and nothing can compare with the soft, lustrous refinement of old silver, which gives us something to ponder over, as we study the tales it seems to tell.

Another ring, narrower and of plainer type, thus more adaptable for certain people, has its history too. It came to us from my husband's maternal grandfather, who was a sea captain with a home on Brooklyn Heights. The ring is numbered 1; and I have heard our children's grandmother tell us that it was one of a dozen, each person having his special number. When I look at this ring I think of old times again, mid banjo clocks, the toddy glass, and fine old mahogany furniture.

Another ring, about an inch and a half in width, has a medallion

with "Maggie from Annie" inscribed within the circle. A garland of leaves, of grape design, surrounds this ring, with the open rose peeping out at intervals, defying anything known to nature. It is worn to an ancient softness, no harsh feeling in its old-time curves! I marvel over the barbaric and junk-like jewelry in the stores today, and make a plea for the old-fashioned rings, believing that few are the homes, where past relics are preserved, which cannot produce one or more of these would-be bracelets.

---

### *Pictures That Hang Straight*

A simple remedy will make those pictures on the wall hang straight. Glue a strip of sandpaper (about ½" wide by 3" long) near the lower edge on the back of the frame. The rough surface of the sandpaper will "grip" the wall and hold the frame in place. D. S. OLSON, Missoula, Montana.


CLEAN HOT WATER

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If the Tank is one that *CANNOT RUST!*

ENJOY the comfort and convenience of clean, *rust-free* hot water! Banish forever the repair bills rusting tanks can cause. A tank of strong, non-rust Everdur Metal means long, satisfactory service to *you* and to *your family.*

Everdur...that bright, rustless copper-alloy . . . eliminates every possibility of tank rust. The initial cost of an Everdur tank is of course more than that of the ordinary, rustable kind. But over a period of time, Everdur actually *costs less* because of the exceptional length of service it gives you. And—in addition to being *rustless*—Everdur is as *strong as steel.*

Far-sighted homeowners everywhere are selecting tanks of this durable metal. Your local dealer or plumbing contractor can supply you with an Everdur storage tank (range boiler) or an automatic heater with a money-saving Everdur tank inside. And remember . . . Everdur can *never* rust.

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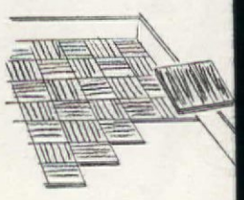
**EVERDUR METAL**
*RUSTLESS AS COPPER . . . STRONG AS STEEL*

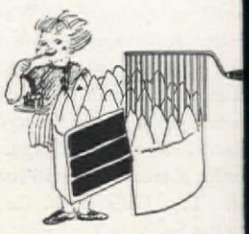

## *Of interest to you?*

HAND-MADE reproduction old New England pi is an attractive addition man's room. The drawer is bacco and is provided wit bacco tile to be soaked in and placed in the mixture it moist. Comes in solid oa or maple from R. E. Will

High installation cos avoided by Bruce Finishe Block Floors, which arrive job ready finished, and re use immediately after insta They can be nailed on wo floors, on old wood floor or mastic over concrete and ot faces. E. L. Bruce Compa



The cake breaker makes sible to keep cake and ic broken and uncrumbled. chromium with a Catalin From Hammacher Schl



A new folding ironing ta signed in modern stream li having knee action is the Hostess, a product of the Folding Furniture Compan one motion it may be open with reverse procedure it is Plenty of space under it clothes basket.

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nore comfortable, more
lthful home. Then insist on
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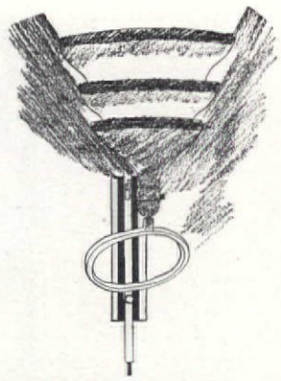
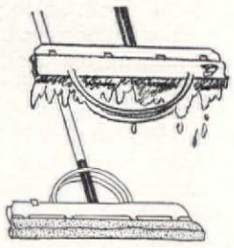


Pin-It-Up lamp above, to be attached to the wall, gives indirect light and was designed by Edward Kent for the Railley Corporation.

This long handled device may be used on floors or for cleaning windows. It is well designed without being too heavy. By pulling down the curved projections the moisture is extracted. Made by the Merchants and Manufacturers Co.



The Trimatic Toaster accommodates three slices of bread. It is completely automatic in operation, equipped with a timing device so that toast may be prepared to meet individual tastes. It is constructed from chromium plated metal, and a sturdy Bakelite Molded base in black, providing beauty to grace any home. From The Samson-United Corporation.

All the advantages of two extra lights for shaving convenience, without extra installation or current cost, are provided by the "Chinlite Twins," two mirrors for the lower corners of the mirror frame which can be permanently attached or just set on the shelf and adjusted for the best light. Milliken Specialty Company.

..Install...

Automatic Heat and Air Conditioning

IT'S the modern thing to do, for health and downright economy, when you build or modernize. There's a competent, informed architect, engineer or dealer in automatic heating and air conditioning within reach of your phone. He has interesting information for you on what can be accomplished in your building or home. Remember, as you listen to him, that automatic control has made all this possible, and that without *complete* automatic control no heating or air conditioning installation can give you thorough satisfaction. For all such installations, Minneapolis-Honeywell Automatic Controls have long been standard in new building or modernizing. Specify *complete* Minneapolis-Honeywell Controls for assured economy, efficiency and safety on any system. Minneapolis-Honeywell Regulator Co., 2736 Fourth Avenue South, Minneapolis, Minn. Branches everywhere.

■

*Send for this Booklet*

Minneapolis-Honeywell has prepared a booklet for you on the related subjects of Automatic Heat and Air Conditioning. It is yours for the asking.

MINNEAPOLIS-HONEYWELL
*Automatic Controls for Heating and Air Conditioning*
BROWN INSTRUMENTS FOR INDICATING, RECORDING AND CONTROLLING

# BEAUTIFUL *as* FLOWERS

## -LASTING *as the* STARS!

IN selecting a memorial ASSURANCE is priceless. What you may not know about materials, design, finishes or harmony with cemetery environment need never imperil the accomplishment of your intent.

Beautiful Rock of Ages Memorials are fashioned for the centuries to come. Their traditional excellence is attested by the makers' proud "signature"—the unobtrusive carved-in-stone Rock of Ages seal. Every genuine Rock of Ages Memorial bears this proclamation that the granite is selected from the famed Rock of Ages quarries at Barre, Vermont; that the design and craftsmanship represent the skill and patented processes that have accorded this hallmark a place of equal rank with the "sterling" mark on silver.

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ROCK OF AGES CORPORATION, DEPARTMENT H-3, BARRE, VERMONT

Please send new revised booklet, "How to Choose a Memorial"... with important hints on design.

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Address_____



*Quick Drying*

FLOOR VARNISH

Lasts for years, without care, on floors, linoleum, furniture and woodwork. Requires NO polishing and is NOT slippery. Heel-proof, marproof and waterproof. Beautiful new Satin Finish, also Dull Finish and Clear Gloss sold by paint and hardware dealers. Pratt & Lambert-Inc., Buffalo, N.Y.

"PRATT & LAMBERT"
A GOOD HOUSE PAINT



## KNITTING YARN

FOR OVER 25 YEARS
BOUCLÉ, SHETLAND, GERMANTOWN, SAXONY, SCOTCH TWEED, etc.
for dresses, coats, sweaters, Afghans, etc.
*Lowest Prices. Over 500 FREE SAMPLES*
Cliveden Yarn Co. Dept. A-18, 711 Arch St.
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## What's *NEW* in Aviation?

Spectacular improvements and conquests in aviation are constantly happening. Read all about them in Popular Mechanics. Besides, every month this 200-page magazine is crammed full of fascinating pictures and accounts of astounding scientific discoveries, new achievements in electricity, chemistry, engineering, physics, radio. Special departments for home craftsmen and practical shop men—easy to follow plans—get real fun out of making things. Don't miss this month's issue—a thrilling, entertaining record of the world's newest wonders. 25c at all newsstands.

POPULAR MECHANICS

The first of a group of air-conditioned homes in a development near Pittsburgh. York Ice Machinery Corp.

## *Air-conditioned small homes*

THERE is a very definite present-day trend, among real estate operators concerned with the development of the small, moderately priced and well equipped homes to include complete air conditioning, available for both summer cooling and winter warmth. This has been made possible largely through the central air-conditioning system which has been perfected and adapted by the York Ice Machinery Corporation for residential application of the year-'round benefits of air conditioning.

By the use of the central air-conditioning plant, combined with what is known as "zone control," it is now possible for the small home owner to spread the benefits of air conditioning over a larger cubic area, while using equipment of smaller and more compact size, requiring less power, and consequently less cost to operate.

First real estate development to feature air conditioning in the Pittsburgh territory is the one recently undertaken by Mr. F. G. Bishoff. He selected a beautiful park-like tract of some eighty acres along the William Penn Highway, a short distance above Wilkinsburg, and instructed his architect to erect the first of a group of small, model homes, completely equipped with all modern conveniences and including a complete central system of air conditioning.

In the midst of this wooded tract will be built modern homes in the price range of $7,000 to $8,000, including the cost of year-'round air conditioning. Each home is to have one acre of ground, the front of which will be devoted to a park, including a swimming pool.

The first house, in which Mr. Bishoff is now living with his family, has a total volume of 5,200 cubic feet, all air conditioned. For this purpose he had installed a York 1½-H.P. Freon water cooled condensing unit, co with a standard York Ai ditioner which was built Waterbury Seamless furn the basement. From this the necessary duct work wa ly arranged to distribute conditioned air to every r the house, through grilles, supply comfortably warm humidified air during the The cooling system was in at a cost of approximately

Next Mr. Bishoff erected ond model home, also in


## WATER PIP
### *that ends*
## RUST EXPEN

DURABLE, non-rust Anacon per Tubes for plumbing li only slightly more installed th would pay for rustable pipe . . . forever all the troubles rusting p cause (discolored water, choke leaks, repairs, replacements).

Strong and durable, Anaconda Tubes connected with Anaconda Fittings are built to save you m giving long, dependable, *low-cost* Or, if you prefer standard-weig pipe, remember that *Anaconda* Br is a trade-marked product of the largest manufacturer of copper an

After identical service: Brass pipe *(left)* in perfect condition, and rustable pipe *(right)* clogged beyond usefulness.

*Send for our FREE booklet— "Copper, Brass and Bronze in the*

THE AMERICAN BRASS
General Offices: Waterbury, C

ANACOND
COPPER ANACONDA BRA

*e Best Things in Life Are Not Free*

But they need not be xpensive. Many older eople are enjoying a appy retirement on comes which seem small the young and active.

John Hancock retire- ent incomes for life n be planned for small large amounts—pin oney or enough to pay all penses. Clip the coupon r information.

John Hancock MUTUAL LIFE INSURANCE COMPANY OF BOSTON, MASSACHUSETTS

HANCOCK INQUIRY BUREAU
Clarendon Street, Boston, Mass.

*send me your booklet, "Answering portant Question."*

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.....State.....

VARNISH *without a brush!*

Use folded cloth. Easy, quick. All surfaces. At dept., paint, hardw. and W. T. Grant Stores.

THE THIBAUT & WALKER CO.
46th Road Long Island City, N. Y.

P-IT-ON *The Varnish that Needs No Brush!*

38 *Fascinating*

ME CRAFT BOOKS

EACH $1 POST PAID

*Raffia*
*Bookbinding*
*Rush Work*
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Send for Catalogue

AN PUB. CORP., 2 WEST 45 ST., N. Y.


the necessary York equipment for a central air-conditioning system. It was then that Mr. Bishoff decided to try the "zone system" of central plant air conditioning. He found that, although the second of his two model homes was larger, comprising five rooms and bath with a total of 7,300 cubic feet to be air conditioned, it required only a 1-H.P. York Freon unit to air condition the second home by means of zone control, whereas the first home required a 1½-H.P. unit. Conditions of operation were practically the same in both houses, the 1-H.P. York Freon unit for the second house being installed in a Pennsylvania furnace, and connected with a standard air-conditioning coil.

In the second of his two homes, by means of zone control, that is, arranging the central system to cool the living and dining rooms during the day time, and cool the bedrooms at night, he was able to effect appreciable economy in operating the system, in addition to the saving in initial cost which had been made possible through the use of the smaller unit. Both homes are insulated with four inches of Rock Wool insulation which is a material aid in minimizing the cost of both summer cooling and winter heating.

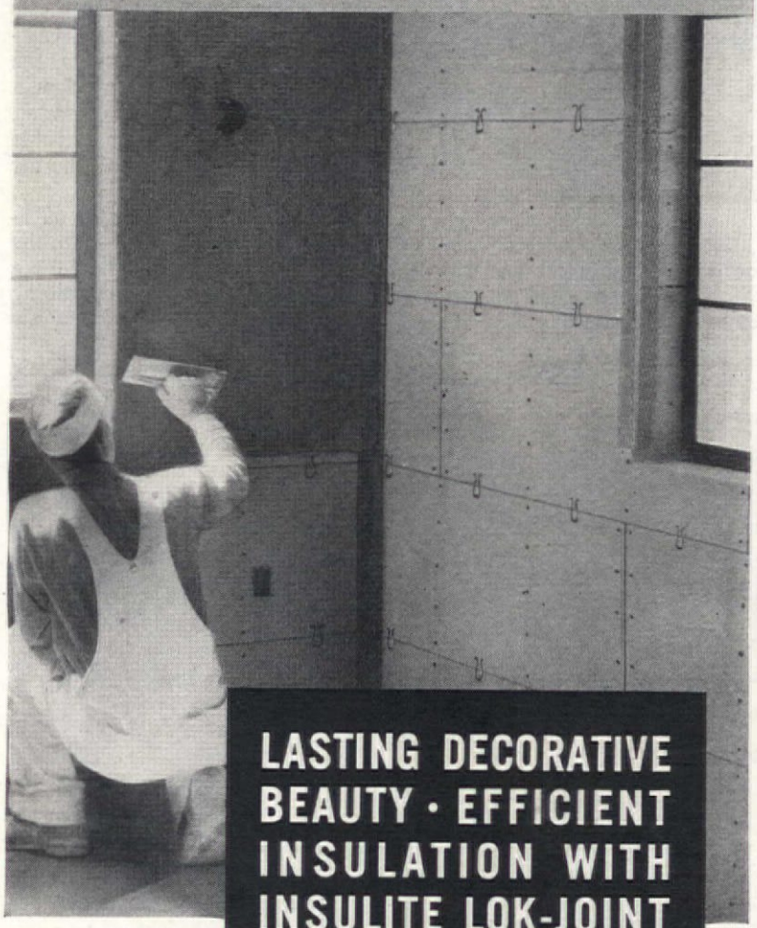
Mr. Bishoff is now planning to build the remaining low-priced model homes in this development, his experience having convinced him that the central air-conditioning system together with the zone control feature which makes possible the use of small-unit equipment, has answered the question of how more owners of small, inexpensive homes may enjoy the full benefits and comfort of year-'round air conditioning.

## *Architecture—old and new*

As a contribution to a knowledge of architecture, a study program covering architectural styles from early forms down to the present has just been issued by the department of debating and public discussion, University of Wisconsin Extension Division, Madison.

"These studies," the foreword says, "are for clubs and individuals who desire to acquire a knowledge of the beauty and value of buildings. Since it is necessary to have a knowledge of the architectural styles of the past, in order to pass judgment on present day architecture, the studies cover the earlier styles as well as modern architecture." The study programs are sold at a nominal cost. For further information address The Director, Department of Debating and Public Discussion, The University of Wisconsin, Madison, Wisconsin.


BUILD FOR THE FUTURE WITH *Insulite*



LASTING DECORATIVE BEAUTY · EFFICIENT INSULATION WITH INSULITE LOK-JOINT LATH. (PATENTED)

FOR permanent satisfaction use Insulite Lok-Joint Lath, the unsurpassed Plaster Base which adds bracing strength and long life to beautifully finished walls and ceilings. Insulite Lok-Joint Lath provides:

1. *Comfort and health at low cost*
2. *Fuel savings year after year*
3. *Attractive interest on the investment*
4. *Higher resale value of the home*

*Only Insulite Lath has the patented Lok-Joint, which assures a rigid, level plastering surface, holds plaster with twice the grip of wood lath; keeps moisture from entering the building framework; insures greater freedom from plaster cracks; deadens sound through walls; adds to resale value.*

Insulite Lok-Joint Lath and other Insulite products are sold by lumber dealers. Write for your copy of "Building for the Future". The Insulite Company, Dept. AH1, Builders Exchange, Minneapolis, Minnesota.

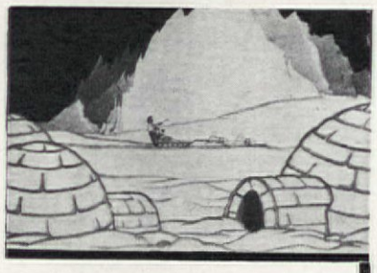
[INSULATE WITH INSULITE]

INSULITE

*The Original Wood-Fiber Insulating Board*

IT WILL PAY YOU TO SEE AN ARCHITECT WHEN YOU BUILD OR REMODEL

# As COLD as the Antarctic?



**If your home wasn't insulated it probably seemed sub-zero on those cold stormy days last winter**

**and it will be**

**as "Hot as a Jungle Hut" . . .**

**next summer**

Probably not quite that extreme, but the general idea is that an uninsulated home can be mighty uncomfortable when the weather is very cold or very hot. Rooms that were hard to heat and drafty in the days just past, will be as "hot as ovens" when the mid-summer sun burns down.

**springtime**
**is a good time to insulate.**

HOUSE Gimco ROCK WOOL INSULATION

In fact, any time is a good time to insulate your home. Prepare now for extremes in weather, safeguard health. Upstairs rooms can be made 15 degrees cooler by completely insulating your home with fluffy, fire-proof Gimco Rock Wool. Added comfort all year 'round and fuel savings soon return your investment and pile up dividends.

Send today for your free copy of the interesting book, "Year 'Round Comfort for the Modern Home."

AH 1336

**GENERAL INSULATING & MFG. CO., Alexandria, Ind.**
**WORLD'S LARGEST EXCLUSIVE MANUFACTURERS of ROCK WOOL PRODUCTS**

General Insulating and Manufacturing Company
Alexandria, Indiana

Send me your free book, "Year 'Round Comfort For The Modern Home."

Name.....

Address.....


# *What is meant by "air conditioning"*

LITERALLY, anything which affects the atmosphere within a structure, such as an electric fan, the opening or closing of a window, a heated radiator, a pail of water, smoking, flowers, and innumerable other factors "condition" the air to a certain extent.

If there were no industry offering something which it sold to the public as "air conditioning," there might be no objection to describing any of these acts or articles as "air conditioners."

But since something called "air conditioning" is being advertised and sold to the public, it is in the interest of both fair competition and the public that there be a mutual understanding of what this term means. For this reason the National Better Business Bureau has made a careful inquiry into the subject with a view toward defining air conditioning for the guidance of all who are interested in maintaining public confidence in advertising.

We find agreement among the manufacturing industry, architects and heating and ventilating engineers that "air conditioning," generally speaking, is the scientific preparation and simultaneous control of the atmosphere within a structure. The atmosphere is affected by such factors as temperature, humidity, motion, distribution, dust, bacteria, toxic gases, and ionization. The three factors which probably affect human comfort to the greatest degree are temperature, humidity and motion of the air. It is the simultaneous control of these three factors which scientific authorities agree constitutes the minimum requirements for air conditioning. Because the functions performed for air conditioning in the summer differ from those required in winter and because units are offered to the public which produce air conditioning in the summer, but not in the winter and vice versa, the following classifications and minimum requirements of air conditioners have been adopted by the trade, scientific authorities and the National Better Business Bureau.

*Summer Air Conditioning* should perform, as a minimum, the following functions: (1) cool the air, (2) dehumidify the air, (3) circulate the air.

*Winter Air Conditioning* should perform, as a minimum, the following functions: (1) heat the air, (2) humidify the air, (3) circulate the air.

*Year-Round Air Conditioning* should perform, as a minimum, the following functions: (1) cool and dehumidify the air in summer, (2) heat and humidify the air in winter, (3) circulate the air.

It is understood that the tions required by the season year are performed automa and simultaneously to me specific minimum requirem the user.

The Bureau requests the c ation of all interested in fair tising in eliminating the use term "air conditioning" o conditioner" or "air condit to describe such articles a humidifiers, odor absorbers, wear, hats, etc. Loose termi of this nature may not nece deceive the public but it pa way for a manufacturer wh wish to "cut corners" to o the public air conditioning ment which does not perfor minimum functions of air tioning as generally underst the trade; justifying his dec by claiming that the term "a ditioning" has no exact sci meaning.

Recently the Federal Commission considered a where the manufacturer of a tor evaporator claimed to b ing an "air conditioner." Aft investigation into the prop of this term, the Commission the following release:

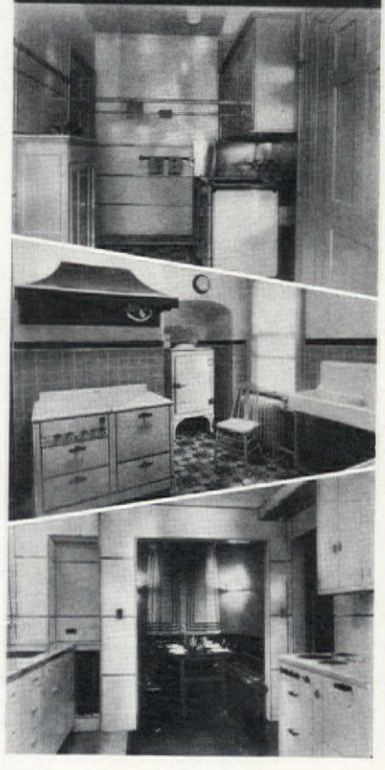
"Unfair advertising throu of the words 'air condition describe a device which is n air conditioner, as those wor generally understood in the will be discontinued by G Landon and Michael Mason ner, of Chicago, trading as La and Warner, under a stipul entered into with the Fe Trade Commission.

"Landon and Warner agre in selling a humidifier they wi use in their advertising matte words 'air conditioner.' The s lation points out that the resp ents' apparatus performs onl of the functions of an air c tioner, namely, that of supp humidity."

The Bureau recommends publishers, advertising age and advertisers apply the d tions given herein in the censo and preparation of advert copy. —NATIONAL BETTER B NESS BUREAU, INC.

*Note:* Attention is also call the fact that Standards for ing and Testing Air Conditio Equipment have been formul by a Joint Committee comp of engineering representative the American Society of Refr ating Engineers, the American ciety of Heating and Ventila Engineers, the Air Conditio Manufacturers' Association, Refrigerating Machinery Asso tion, and the Refrigeration D sion of the National Elect Manufacturers Association. T standards embody the best tho of leading air conditioning t


# MARSH WONDER WALLS LEND CHARM TO KITCHENS



• Easily installed over old or new walls by any good carpenter using ordinary carpentry tools, with little or no muss . . . gay and cheerful in coloring . . . a brightly burnished surface, easily washed . . . not expensive . . . MARSHTILE and MARLITE accomplish interior miracles almost overnight by remaking dingy kitchens and shabby bathrooms into charming, modern rooms. Send for illustrated folder in colors . . . free on request.

**MARSH WALL TILE COMPANY**
**36 MARSH PLACE**
**DOVER, OHIO**

*See our display in Radio City, Shop No. 15, Concourse, R. C. A. Building, New York City*

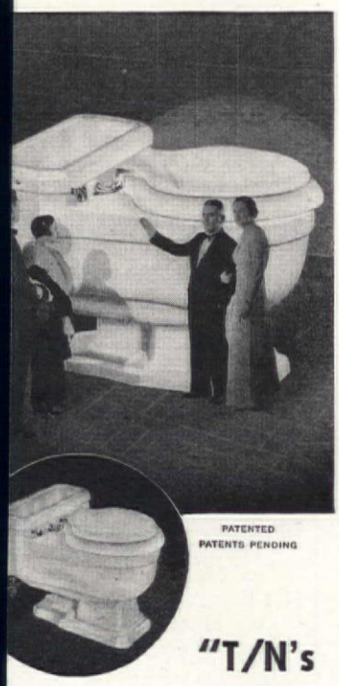
Please send free illustrated folder and name of nearest MARSHTILE dealer to

Name _____

Address _____

Town _____ State _____

**MARSH WALL TILE COMPANY**



PATENTED
PATENTS PENDING

"T/N's
UIETNESS WAS
THE DECIDING
FACTOR . . . but its many
features, such as positive prevention of
r supply contamination, non-overflow, and
pendence of any wall in installation all
d to sell us on the T/N." Non-overflow
ention means no messiness or possible water
ge to floors and ceilings. With the tank
e same level as the seat, the T/N one-piece
truction permits it to be placed in a corner,
w a staircase, even under a window. T/N is
lable in a surprisingly large array of colors,
xed by specially designed fittings. You will
the T/N in most of the expensive bath-
s, yet it is priced to meet the budget of
modest home.

N ONE-PIECE WATER CLOSET

ave prepared detailed information, with illus-
ns, to show you many advantages of the T/N
piece water closet in REMODELING and NEW
DING. It's yours for the asking.
. CASE & SON MFG. CO. Founded 1853
. A-36, 33 Main St., Buffalo, N. Y.
LEASE SEND ME COMPLETE INFORMATION
N THE T/N ONE-PIECE WATER CLOSET . . .

id You Ever
ust With Paper?
not, we want you to try KVP Dust-
g Paper, at our expense. This
onderful paper is as soft as old
nen and is treated with a fine fur-
ture polish that protects the finish
you dust.
ouldn't you like to try this easy
d more sanitary way? Just drop
note to Irene Barnes, Dept. A. H.,
d we'll gladly send you a free
mple. It's sold by leading de-
artment and specialty stores.
ALAMAZOO VEGETABLE PARCHMENT CO.
archment (Kalamazoo County) Michigan


nicians and enable a purchaser of air conditioning equipment to buy with a greater degree of certainty of securing an air conditioning installation which will furnish the air conditions he desires.

## New products for new homes

[*Continued from page 37*]

COLOR: Even door knobs have not been neglected. This past summer a new line of colored door knobs was placed on the market. The colored part of the knob can be changed should a new color scheme be decided on in future years. Price compares with the ordinary inexpensive glass knob.

This same idea of color has been applied to supply valves. Now your hot and cold water or steam supply lines can be plainly and permanently indicated.

KITCHENS: A new feature in one of the standard makes of gas ranges makes me think of the theatre pits in which the musicians are carried up to eye level. In this range, all you have to do is to lift the broiler top and the whole compartment lifts right up so that the bottom of the broiler is level with the top of the stove. This does away with stooping or peering into a dark oven.

And, of course, garbage disposal has not been neglected by manufacturers anxious to provide greater convenience. Now you can have a unit installed that grinds up food waste so fine that it all just flows easily down the kitchen drain and off to the general sewage system. Even hard bones are ground up by this device.

Less spectacular is the burning of food waste in an incinerator. New equipment has been developed that supplies oxygen so fast that a much hotter fire is developed and so combustion is more complete. This oxygen is not only fed right into the pile of waste, but also into the rising gases which are also combustible. Space is conserved, masonry construction simplified—and all at a lower cost.

A brand new idea in electric ranges is to bring the range right out in the middle of the floor, so that it can be used at any angle. Of course the range is round—in itself quite an innovation.

ELECTRIC SERVANT: Have you ever wanted to listen to a particular radio program and neglected to turn on the switch until the program was mostly over? Now you can have a clock that will turn on your radio—or electric toaster, or percolator, or what not—at any given time.

GLASS: Glass is a material that is beginning to come into its own in residential building. We now


RU-BER-OID *Creates*

from Asbestos-Cement
Wood-Textured
Shingles & Sidings
*of* Distinguished Beauty

Close-up of Tapered Timbertex Shingles for Roofs.

Residence of William Orr, Garden City, L. I. Re-sided with Eternit Colonial Timbertex Asbestos-Cement Siding Shingles.

● FIRE-PROOF
● ROT-PROOF
*. . . yet Moderately Priced!*

Here's real news to thrill you! A charming cypress-textured shingle for roofs and sidewalls—fire-proof, rot-proof, termite-defying. No stain or paint will ever be required to prolong its life. The trade name is Eternit Timbertex.

Timbertex Shingles and Timbertex Sidings are made from long-lived Asbestos-Cement, yet they faithfully reproduce the choicest designs of wood graining—in a selection of several popular "wood" colors. The color pigments are an integral part of the material. They age gracefully and with mellowness, a constant reflection of your own individuality and good taste. Neither time nor weather will ever affect their wearing qualities.

When applied over old roofs or weather-worn siding materials, you also gain an insulating value—which saves remarkably in fuel costs. The costs need be no hardship, for the Ruberoid Easy Payment Plan provides low government rates, with no down payment, and as long as three years to pay.

Today, the sensational Timbertex Products can be bought at a surprisingly low price . . . and they reduce your maintenance costs. If you plan to build or modernize, investigate this roofing and siding triumph. Write to us, outlining your problem—or mail in the coupon below.

*Free* VALUABLE BOOKLET
full of practical suggestions every home owner and prospective builder should have.

RU-BER-OID
ROOFING AND BUILDING PRODUCTS

Check the Ruberoid Building and Modernization Products which interest you:

☐ Asbestos-Cement Shingles
☐ Asphalt Shingles and Roofings
☐ Asbestos-Cement Sidings
☐ Asbestos Pipe Covering
☐ 'Newtile' for bath and kitchen walls
☐ Safe-n-Dry Sheathing Paper

The RUBEROID Co. AH3 36
500 Fifth Avenue, New York, N.Y.
☐ I am interested in Modernization.
☐ I am planning to build.
Please send your free booklet and full facts about the products checked.
*Name*_____
*Address*_____
*City*_____ *State*_____

# *All this* PYREX WARE *for* $1.95

**The most frequently used Pyrex dishes, including popular double-duty casserole with pie plate cover**

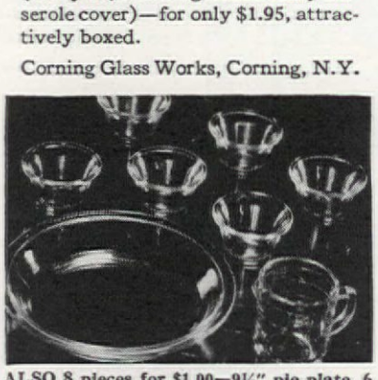
HERE'S a practical set of Pyrex Brand Ovenware . . . made up of the very dishes that women prize and use most of all.

The double-duty casserole has a cover that may be used as a shallow baking dish or a pie plate. Six custard cups—used for cup cakes, too, frozen dishes and other desserts. The 9½" pie plate—for pies and other baking uses. And a measuring cup that you can actually see through. It holds boiling-hot or ice-cold liquids without breaking.

They're things of beauty, these Pyrex dishes. Economical, too. They absorb heat—actually require 20% less heat, on the average, than metal dishes. And they save you time and dishwashing. For you use the dishes themselves for serving . . . even leave them in the icebox overnight. They'll stand heat and cold equally well.

In stores everywhere, you'll see this special set—9 lovely pieces (really 10, counting double-duty casserole cover)—for only $1.95, attractively boxed.

Corning Glass Works, Corning, N.Y.



ALSO 8 pieces for $1.00—9½" pie plate, 6 custard cups and measuring cup that holds hot or cold liquids without breaking.

PYREX *Ovenware*

T.M. Reg. U.S. Pat. Off.


have glass wool for insulation, glass bricks either hollow or solid that can be used for exterior walls or for decorative partitions. The hollow or vacuum type bricks cannot be seen through. Pilasters, structural columns, etc., are made of the same kind of glass as is our Pyrex cooking dishes. Through the architectural development of this kind of glass, we can have lighted columns, door casings, etc.

METAL LUMBER: A number of manufacturers have been developing metal lumber in order to provide a fire-safe, termite-proof frame. One of the latest systems provides a composition covered with metal which can be nailed into or quickly cut with a hack saw right on the job. Floor slabs are of a fireproof composition material. The manufacturer of this system very sensibly is not attempting to build a standardized house, but rather to provide an improved method of construction that will be suitable for use in accordance with any architect's carefully worked-out plans.

A plaster base combined with paper is now made "Metallated" or covered with aluminum foil so that it serves the dual purpose of a plaster base and insulation combined.

METAL AWNINGS: In line with the general tendency to supply materials that are fireproof, a new awning made of metal has been placed on the market. This awning folds up nicely, and should last a lifetime.

And so it goes. The list of new materials and equipment is almost endless, and even your architect may not know them all. And so it is up to you yourself to keep in touch with the new things, or things that may be new to you, through advertising pages. A home is a very personal thing, and nobody but yourself can really and truly be sure that the products chosen are those which will satisfy you most.

---

### *For Home Nurses*

In squeezing out hot cloths for application in sickness or injury, I find a potato ricer invaluable. With a long-handled fork, lift the folded cloth from boiling water into ricer and squeeze. Empty into a folded bath towel and presto—a steaming hot pack for the patient, with no discomfort or injury to nurse's hands. MRS. CHARLES S. WALKER, Tulsa, Okla.

### *Snaps That Stay Put*

When sewing snaps on garments use the buttonhole stitch and the snap will stay in place longer than if the regular sewing stitch is made. J. B. MCDEVITT, Hattiesburg, Miss.


# PINK *your way to Smartness*

**with WISS Pinking Shears at $4.95**

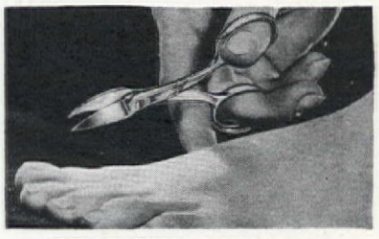
Chromium Plate $5.95

(slightly higher in Canada)

"What a ducky cape! But, oh, the price!"

WEEP no more, milady! Relax and decide to make it! Yes, with all those ruffles. Why, it's simple. Just take your PINKING SHEARS in hand and cut the pieces out and, notice *this*—the edges are all finished as you cut. Sew the pieces to the foundation according to the pattern. A few final stitches and you're done. No eye-wearying hand-hemming, no expensive picoting, no hand-rolling. But a soft, fluted edge, without bumps or humps, nor amateurish-looking stitches to mar the delicate smoothness of the ripply edge. That salon-ish look! And what fun!

WISS Shears are available at your favorite department or cutlery store—or we'll be glad to fill your order upon receipt of remittance.



**PEDICURE SCISSORS**

Start that Beauty Treatment with WISS Pedicure Scissors. They're curved for your convenience and cut heavy or light nails to the queen's taste! As illustrated, $1.35 (slightly higher West of the Rockies and in Canada.)

**WISS** *Shears & Scissors*

*Made in Newark since 1848*

**Mail in Envelope or Paste Coupon on 1c Postcard**

J. WISS & SONS CO. F-3
Newark, N. J.

Mail me illustrated literature showing complete line of WISS Shears and Scissors.

Name .....

Street .....

City .....State .....


# *Dinner for eigh*

FLORENCE M. COMB

A FAVORITE dinner at our ho one of foreign flavor, hot ful, and full of color both table appointments and fo never fails to bring forth deli comment. It may be the ans that casting about in your for something different.

The quantity given here serve eight, but is easily c serve four or six.

### *Menu*

Antipasto
Crackers Whole wheat
Fenucchio Black oliv
Meat balls Milanese
Hot French rolls
Macaroni or curly spa
Salad of endive, lettuce he escarolle
Fresh fruit
Cheese—Gorganzola, Roquef Swiss
Coffee

The day before the dinner I market. From the colorful stalls I choose my meat and tables, fruit and cheese, as and as effectively as though I in that great market of the H Centrales in Paris. My care made list in my hand I dash stall to stall; to my butcher is Swedish, to the Sicilian pe woman who grows endive escarolle as tender and crisp a I have ever tasted in Franc Tony for fenucchio; he grows black loam, on Beaver Dam but we both agree that it is as sweet as the fenucchio of for the same reason I suppose, Italian garlic is far milder that grown in our newer Across the aisle is Victor, fruiterer, he is Russian, bu looks Greek! From his care stacked pyramids of glowing I choose my combined center and dessert. Beyond is my American cheese merchant, w I can always trust as to the age quality of his savory commo

It is a gay and interesting or two I spend in completing list and stowing my baskets i car. When later, I dump all beauty of vegetables and f into my cheerful red and ye kitchen I fairly beam with the and pride and happiness of calling as housewife.

### *Greens put to chill*

The salad greens are looked washed, and put in a tight tainer in the ice-box all ready the salad bowl when I need th

Next morning, after the di are out of the way and I may a free kitchen I make the balls first of all.

DO

USE-
RK!

constant need for cleaning in a home where children romp with a dog. Dog's hair on rugs and furniture—dirt tracked-in—and floors that must be safely clean for little folk to play upon. This is no task in homes that have a

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*Meat Balls*

3 pounds of ground round steak
1 pound of ground pork, or mixed pork and veal
2 cupfuls of coarse bread crumbs
3 cloves of garlic, cut very fine
1 cupful grated Parmesan cheese
½ cupful of finely chopped parsley
1½ teaspoonfuls salt
½ teaspoonful black pepper
½ teaspoonful crushed leaves of dried Italian thyme
4 eggs

Place the meat in a large mixing bowl. Sprinkle the dry crumbs with cold water, a little at a time until they are quite moist. Add them to the meat; mix all other ingredients including the whole eggs, and knead with the hands until it is a smooth mass. Moisten hands with cold water and shape the meat into balls the size of a small egg. Set aside, and start the tomato sauce.

This is real Milanese cookery, and the recipe is one I brought myself from a heavenly visit to a friend's villa overlooking the Lake of Como. It sounds more work than it really is—and the result is quite worth the effort.

*The Sauce.* Open two number 2½ size cans of tomatoes and place in a large heavy kettle. Put on the stove to simmer. In an iron skillet place one cupful of good olive oil. When this is hot put in the meat balls and fry them carefully, a few at a time, until they are a deep brown, and sufficiently cooked so they will not lose juice. Stack on a platter and set aside until one hour before dinner.

Peel and chop fine two large onions and two cloves of garlic. Fry these until clear and yellow, but not brown, in the same oil in which the meat was browned. When the onions are almost done put in two tablespoonfuls of thick tomato paste, or *conserva* as the Italians call it, and half a teaspoonful of the dried thyme. This frying is necessary to give a mellow *blend* to the resulting sauce, instead of a green raw taste. Now pour the entire contents of the skillet into the simmering tomatoes. Add one teaspoonful of salt and a bit of black pepper and simmer, stirring occasionally, for two hours. A good foreign cook never allows a "green" sauce to be served, and only long and "loving" cooking achieves a perfect sauce.

The tomato paste, the dried herb, which I buy under the name of Italian thyme—though to me it looks like a dried marjoram—the curly spaghetti, grated Parmesan, and the antipasto all may be bought at the Italian importers in any small city.

The sauce may be set aside when it has finished cooking. I make the French dressing for my salad, and put that, with the olives and two cans of antipasto, into the refrigerator to chill. I use real olive oil for the dressing, it has a much better flavor than the cottonseed oils.

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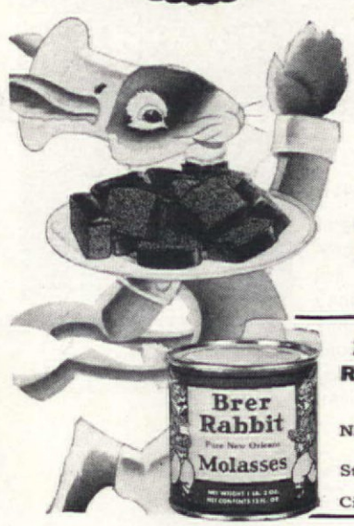
**Great-Grandmother's GINGERBREAD RECIPE (Over 100 years old)**

½ cup sugar, ½ cup butter and lard mixed, 1 egg, 1 cup Brer Rabbit Molasses, 2½ cups sifted flour, 1½ teaspoons soda, 1 teaspoon cinnamon, 1 teaspoon ginger, ½ teaspoon cloves, ½ teaspoon salt, 1 cup hot water

Cream shortening and sugar. Add beaten egg, molasses, then dry ingredients which have been sifted together. Add hot water last and beat until smooth. Bake in greased shallow pan 40-45 minutes in moderate oven (350° F.). Makes 15 portions.

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When properly made this seems to me to be a perfect French dressing:

*French dressing*

7 tablespoonfuls olive oil
3 tablespoonfuls tarragon vinegar
1 teaspoonful salt
½ teaspoonful of Worcestershire sauce
1 teaspoonful *brown* sugar
1 teaspoonful paprika
½ a clove of garlic

Make this in a flat bowl, beat altogether with a fork until thick, then chill. When ready to serve the salad, remove the garlic, beat again, and pour over at the last minute.

The fenucchio is scrubbed, cut into fourths lengthwise, and set aside to crisp in ice water. It somewhat resembles celery, tastes of anise, and is sometimes sold under the name of Florentine fennel in America.

Late in the afternoon I set my table. A large white cloth, silver candlesticks with white candles, gold and white china. All glass is a glowing ruby red; warm enough to warm the cockles of the hardest heart!

A big red glass plate is lined with the green leaves of English ivy, washed and shining. Pale yellow bananas, bright red apples, tawny oranges, lacquer persimmons, a pomegranate or two, and the whole tied together with waxen green grapes, forms as lovely a centerpiece as an artist would wish. I place small mounds of translucent candied cherries on three or four ivy leaves and stud them among the fruits. There is my centerpiece —also my dessert.

The tender, white leaves of the endive and escarolle, and the heart of a head of Iceberg lettuce are broken into the big wooden salad bowl. Long, very fine, strips of sweet red pepper are strewn across the top, the bowl is tightly covered and set to chill until the meat course is served. The dressing will then be poured over it and the salad tossed at the table.

The coffee cups and the silver service are prepared on a side table; the cheese plate arranged; the water crackers ready to be heated, also the crisp French rolls.

It is now six o'clock and I heat the tomato sauce and drop in my meat balls to finish their cooking over a low, slow fire. At six-thirty I boil a gallon or so of salted water in a large kettle and break a pound and a half of curly spaghetti into it. This should be done in about twenty minutes. The Italians say we boil our paste too long. It should be just tender, never mushy.

At seven I drain the spaghetti, set the colander over hot water to keep it warm; put on the fenucchio and olives and salted crackers, and the antipasto. I serve the latter in open cans on a platter surrounded with a bit of greenery. It is so nicely arranged in the cans it is a take to remove it. Each guest himself on a glass salad plat

Then I light the candles announce dinner.

After the first course is place the spaghetti on a t platter, strew with the grate mesan cheese, dip a goodly tity of the tomato sauce ov and surround the entire p with beautiful brown meat and sprinkle the whole with g cheese. Chianti, in a straw co bottle, is served with this c Nothing else seems to be appropriate.

The host serves the dinner at one end of the table, the h tosses and serves the salad other.

A good warmth pervade dining room; the foreign flav the food often produces inter stories of travel from guests have been all too reticent plates and glasses are re-fille pungent fenuuchio brings for lighted comment. The first c removed, the cheese and the fruit plate, the cigarettes and are left to be enjoyed. And finally you rise to lead the w the living room fire the anim talk flows on, and you he charming guest saying "on o the little canals in Venice th a restaurant"—and you relax listen, and know that you planned well!

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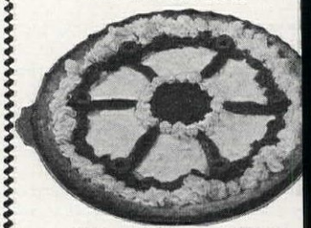

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## Soufflé secrets

OLIVE B. HARRISON

A SOUFFLÉ might be called the French Chef's Delight. Who that has eaten a real French meal does not know it? It may have been across the seas or in our own exotic New Orleans, that interesting paradoxical mixture of old world and new. At any rate it was an occasion not to be forgotten. Perhaps it was one of those times when you and your party climbed the thickly carpeted stairs of one of those famous "restaurants" and the decorous yet very observant waiter suggested an omelet soufflé to top off the shrimps à-la-Louisianne and the cognac coffee. And the wonderful thrill that could never be equaled of that moment when the delicately browned cone appeared with your name embossing its surface!

It is a thrill of another sort to turn out a perfect soufflé at home and to witness the delight of your guests or your husband. And it is not difficult when you have learned the few secrets involved. The first one begins at the finished end, for it is imperative to know that any soufflé can be spoiled in the serving. A perfect soufflé is like a fine sponge all the way through, with no wet spot in the center and, being nothing much more than a puff of egg whites, as the name implies, it will begin to shrink and shrivel if it has to stand and wait. So it is well to pick a night when you are sure that John will not be late at the office or to choose a time at luncheon when you can be reasonably sure that your guests will arrive on schedule. Then estimate your time for serving and start your preparations one hour ahead, for most soufflés take thirty-five minutes to bake and about twenty-five minutes to prepare.

This much determined, the next step is to get ready all the utensils. Ordinarily you will need two egg beaters, a rotary and a flat beater, a medium-sized bowl and a good-sized platter, a measuring cup, a teaspoon, and a tablespoon. There are two kinds of soufflés, one made from nothing but eggs properly mixed and flavored, and the other made with a cooked foundation. The latter will require the use of a small saucepan in addition to the other utensils named.

### *Lemon Soufflé*

Let us start with one of the simpler kinds, say a lemon soufflé. For this we need four eggs separated, the yolks in the bowl and the whites on the platter. Care must be taken that there are no particles of yolk in the white or the texture of the whites will be impaired and keeping it in perfect condition is one of the most im-


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Even so, I wasn't prepared for this pineapple *juice*. Such flavor! Real, rich pineapple flavor—in golden liquid form. I declare—it's one of the finest, freshest drinks I ever tasted.

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portant things. If a little of the yolk does get into the white by mistake it can best be removed with a piece of egg shell. Now, with the rotary beater, beat the yolks until they are thick and lemon colored. Next, measure one cupful of sugar and add it to the beaten yolks, a little at a time, all the while continuing the beating until the sugar is thoroughly mixed in. Then stir in the grated rind and the juice of one lemon. This brings us to the egg whites which, with the flat beater, should be whipped until the surface is dry and they will adhere to the platter so that it can be turned completely upside down without having them fall off.

The grand trick of the whole process is to combine the yolk mixture and the egg whites so that the whole mass will be a smooth yellow sponge and few of the precious air bubbles will be broken, for it is the expansion of the air in these bubbles while they are in the oven that makes our soufflé. To accomplish the result we use what is known as a "cutting and folding" motion like this:

Scrape the beaten egg white into the bowl with the yolk mixture. Then take the tablespoon, hold it up sidewise and cut it down through the center of the mass until it hits the bottom of the bowl. Now bring it up along the edge of the bowl allowing it to turn completely over in the hand. Repeat the movement until the mixing is complete, always beginning by cutting down through the center. A soufflé must never be beaten or stirred or it will flatten out hopelessly.

For baking use a dish that can be used for serving too. Butter it well and turn in your soufflé. Set the dish in a pan of hot water and bake it thirty-five minutes in a very moderate oven, 350 degrees or a little less.

Incidentally, do you always rinse off your egg bowls and beaters in cold water as soon as you are through with them? Washing later will be very easy if you do.

### *Chocolate Soufflé*

Now for the other type with the cooked foundation. Chocolate soufflé is an old favorite. We begin by melting two tablespoonfuls of butter and then adding two tablespoonfuls of flour. These should be stirred over the fire until they are smooth. Then add three-fourths cupful of milk, still stirring constantly. Continue the stirring and the cooking until the boiling point is reached. In the meantime, melt one and one-half squares of unsweetened chocolate over hot water. For this a double boiler may be used but the easiest way is to remove the cover from a tea kettle of boiling water and set a small pan on top of it. To the melted chocolate add a third of a cupful of sugar and two spoonfuls of hot water, again ring until a smooth pas formed. Now combine the tures and add the yolks of th well beaten. While this found is cooling the egg whites c beaten as they were for soufflé after which they mu cut and folded in also in the manner. Flavor the mixture a teaspoonful of vanilla and it into a buttered baking di an electric oven this type of s may be baked at 350 degre twenty-five minutes withou pan of water, but in a gas ra is safer to use the water an ten minutes to the time of coo Serve it with whipped c Lemon soufflé is delicious hard sauce.

No more enjoyable dish luncheon could ever be conc than a cheese soufflé. Here good recipe:

### *Cheese Soufflé*

Melt two tablespoonfuls of ter and add three tablespoo of flour. Stir until they are mixed and add one-half cupf milk and one-half cupful of c cut in small pieces. One-third ful of grated cheese may be instead. Cook, stirring consta until the mixture thickens an cheese melts. Then remove the fire and add one-half teasp ful of salt, a few grains of pap and the yolks of three eggs beaten. While the mixture beat the whites of the eggs they are stiff and dry, then cut fold them in and turn the so into a well-buttered baking Individual dishes will make course intriguing if they are ferred. Set the soufflé in a pa hot water and bake thirty minutes in a moderate oven.

### *Omelet Soufflé*

But our discourse would no complete without a peep into secrets of that delectable omelet soufflé, which we thou only a French chef could m Really it is the easiest of them

Separate two eggs and beat yolks until they are thick lemon colored. Add a fourth ful of powdered sugar and a teaspoonful of vanilla. Cut fold in the egg whites beaten they are stiff and dry. Butte flat baking dish or a plate can be put in the oven and pile soufflé in a smooth cone in center of it. If you are adept a pastry bag, save out a littl the mixture and decorate the s of the cone with scroll w Sprinkle the whole with powd sugar and bake in a moderate o for ten minutes. Watch it as would a meringue for it should tinted a delicate almond br and no more.


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## *A national architectural competition*

HOUSE designs by architects who are thinking in terms of the new trend in permanent firesafe construction, will be available to guide potential home owners, through the national architectural competition being conducted by the architectural magazine *Pencil Points* and the Portland Cement Association.

Edward J. Mehren, president of the Portland Cement Association, says the competition is intended to stimulate the creation of house designs correct architecturally, suited to the needs of families of moderate incomes, and adaptable to firesafe construction.

"Houses of really correct architectural design never go out of style," Mr. Mehren says. "There is no reason why the houses being built to meet the present housing demand cannot last for generations.

"Many new homes are being built of concrete, which appears to be particularly adapted to the newest type of house design. The Portland Cement Association is anxious to prevent the misuse of this versatile material and feels that a national competition will produce house plans helpful as a guide to the thousands of people now planning to build."

The concrete house designs entered in the competition must meet the economic and social needs of a family with two children, a boy and a girl, but without a full-time servant. Equal cash prizes of $1,500 will be paid for the two different designs best adapted to a northern and a southern climate. There are two second prizes of $750, and two third awards of $500 each. There are also twenty honorable mention awards of $50 in each of the two classes.

The competition, which closes March 9, is open to all architects and architectural draftsmen in continental United States.

## Give a party!

[*Continued from page 44*]

of pipe-cleaners, wishing well candy cups, shamrock invitations—this is a centerpiece suitable for your own bridge club or a St. Patrick's party for your children.

A heavy cardboard box or carton 1½ inches in height, 20 inches long, and 12 inches wide, is covered with tan crepe paper to look like the sandy soil for the base of the St. Patrick's table designed by Alfreda Lee. The Shamrock House is made of two shamrock cut-outs at least 7 inches wide and 6 inches high. The stem should be about ½

*House at Wilton, Conn., painted with Cabot's Collopakes. Architects, Evans, Moore and Woodbridge, New York City.*

WHITE *and* GREEN

• *More brilliant, longer lasting in these colloidal paints*

PAINT this Spring with Cabot's DOUBLE-WHITE and *Green* Gloss Collopakes if you want your house to keep its fresh, lively colors next year and the year after . . . . By the use of carefully selected pigments and the patented Collopaking process, Cabot chemists have created *whites* that do not turn gray and dingy, and *greens* that do not fade. The pigments are divided from 100 to 1000 times finer than in other methods, and *colloidally* dispersed in the oil. As a result, the oil cannot dry out, as it does in ordinary paints, leaving dull, dry flakes of washed-out color on the surface. The *Collopaked* house looks well for years.

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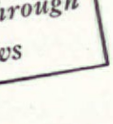


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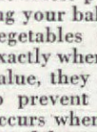

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AGE OF BABY _____

*"Mealtime Psychology", a booklet on infant feeding sent free on request. "Baby Book", on general infant care, 10c additional.*


inch long and over 1 inch wide. Use very heavy cardboard. Cut a strip of softer, pliable cardboard 26 inches long and 2½ inches wide. This runs along the two outer edges of the cut-outs to hold them apart and form a box that is to shape the house. These pieces are fastened together with many narrow strips of gummed paper. Cover the entire frame with crushed bright green paper. Cut a door on one side, 2½ inches high and one inch wide. Cover inside of door with green paper and have it standing ajar.

Cut six pieces of white writing paper, 1 by 1½ inches. Mark these for the windows, and paste one in the center of each leaf of the shamrock—on both sides of the house. Paste clipped yellow paper (flowers) across bottom of windows and add a very narrow strip of heavy cardboard in some blending shade across base of flowers for window-boxes.

The lake is a mirror, pasted to the foundation. The well is a 6-inch piece of cardboard rolled into a tube that will be 5 inches in circumference. It is 1 inch high. Cover with brown crepe paper. Wind a 5-inch piece of pipe cleaner with brown crepe paper and bend into three sides of a square. Fasten the two ends to opposite sides of the well. Add piece of white string to cross-bar and allow to dangle down into water. Crushed green or blue Cellophane simulates the water. Assemble parts already made and fasten to foundation with thread wire. Crush green crepe paper and paste it all around and over edge of lake and around well to represent grass. Make paths the same way and have one leading from the house to the edge of the centerpiece, where the gate-post will be.

The fence is made of pipe-cleaners and white string. When you have decided where the fence is to go, make holes (using a thick pin) every inch along the fence-line, except across path on edge of centerpiece where gate-post is. Cut pipe cleaners into pieces 2 inches long. Insert a piece into each hole, allowing enough to protrude underneath to bend up against the under side of foundation. The pieces for the gate-posts should be ½ longer. Tie a piece of white string to one post and then span it to the first pipe cleaner, loop it around and then span it to the next pipe cleaner, etc. End off by tying tightly to other gate-post.

The dolls are made of two equal pieces of pipe cleaner, 2 to 3 inches long. Hold the two pieces together and twist the middle third to form the body. Bend the top ends out for arms and the other ends apart for legs. Wrap a tiny wad of cotton in white crepe paper for the head, and fasten it to the top of the body with thread wire. Draw in at joining for the neck. Wire to top of body. Roll about 1 inch of brown

Arrowroot, the base of Royal Pudding, differs from most other starches. It cooks quickly, and digests faster than cornstarch or tapioca.

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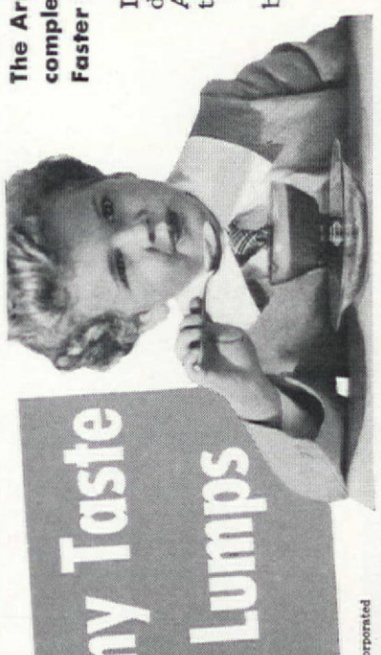

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**No Raw Lumps**

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crepe paper, with the gra
tightly and clip like fring
the strips about 2 inche
Shake out the rolled part
will have paper curls th
really amaze you. Paste to
all dolls. Cut short for me
in features with colored oi
or enamel.

Dress girl dolls in ful
gathered at waist and ru
bottom. Cut width again
and pull slightly for ful
hemline. Paste on tiny
squares for aprons. Add
back and band around wa
waists slightly before
dolls. Sleeves are made b
ping ¼" strips of crepe
around and around arms.
are made the same way.

Men's trousers are star
the girls' skirts, but are sli
middle of front and back,
cut parts of each to for
These trousers should be b
the knees, then drawn into
at the calf. Make skirts t
as girls' bodices. Belts and
are attractive details. Add
brown paper for shoes.

Bend up tiny bit on ends
and legs to form hands a
Wire one foot to foundat
bend dolls into desired p
Have one carry a heavy st
other a fishing rod—half
pick with wire for string.
on a couple of the dolls—
crepe paper, with botto
stretched out.

This Irish scene should
all your guests; and most
ing of all, it is extremely
make.

The Place-cards are a
Irish lassies. These are m
pipe-cleaners the same as t
used on the centerpiece. T
be more effective, are 6-inc
cleaners. Hold two of the
together, parallel, and tw
middle third for the body.
torso with cotton. Bend
ends for arms and legs. U
of cotton ¾ inch in diam
heads. Wrap this cotton in
squares of white crepe pap
skirts should be strips o
crepe paper 12 inches long
inches wide. Gather along
edge with needle and thre
pull in around waist. Use
wide strips for winding boo
arms. Cut white crepe pap
pieces 3 by 1¼ inches an
around shoulders as capes.
narrow ends in front.
should be 2 inches long a
inches wide. Gather slig
waistline. Cut 4-inch strips,
wide, and use as sashes.
slightly at waist to cover
of cape-collar and apron
into bow effect in back. T
is made of strips of brow
paper, 2 by 3 inches. The
side should be with the gra
this side up tightly to wi
inch of other end and c
fringe while tightly rolled

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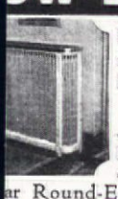

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this out to form curls. Paste around head. Smaller curls may be used as bangs. Add bits of brown paper for shoes and bend up ends of legs and arms for feet and hands. These Irish lassies are holding the place-cards. Cut the cards rather small and stick one in the hand of each doll. A 1½ inch nut-cup may be held in the free hand, filled with peanuts to represent potatoes in a basket, if desired. Fasten the dolls to cardboard foundations. Use very heavy cardboard about 2½ by 4½ inches. Cover with gold paper. Wire dolls to this by punching a tiny hole with a heavy pin, on either side of each foot and drawing a piece of thread wire from the under side of the foundation, up through one of the holes, across the foot, and down through the hole on the other side of the foot. Fasten ends of wire by twisting. Do the same to other foot. A piece of white paper a little smaller than the foundation, pasted on the wrong side to cover the wires will give your work a professional look.

Candy is placed in "wishing wells." Cover a 2-inch nut-cup with a strip of brown crepe paper, 6 inches long and 2 inches wide. Fold under at bottom and paste securely. Bend extending paper over rim of cup and paste to inside. Cover a 6-inch pipe-cleaner with brown crepe paper, (wind around) and bend into shape of top and cross-bar of well. Cross-bar should be 2 inches. Place ends into nut-cup and fasten securely with bit of adhesive tape or gummed paper. Cut a shamrock out of green cardboard (5 inches at widest part) for the "well" to be placed on. The green is the grass. Paste into place. Cut a narrow strip of white, thin cardboard, ¼ inch wide and 2 inches long. On this write: *Ye Wishing Well.* Paste to front of well. Add a short piece of gold or silver cord to the cross-bar and allow loose end to extend into cup. Cover candy with blue paper to simulate water in well if desired.

The invitations are shamrock cut-outs made from the same pattern used for the candy containers. Cut a piece of white writing paper the same shape and place it between two of the green cut-outs. Punch two small holes, one above the other, in the stem, and insert ribbon to form a booklet. Write your invitation on the white sheet.

RECIPES—ST. PATRICK'S MENU

### *Shrimp and Green Pea Salad in Green Pepper Cups*

1 cupful shrimp
1 cupful cooked green peas
½ cupful mayonnaise
1 package lime gelatine
Salt and pepper to taste
Green peppers
Lettuce

Remove intestinal vein from shrimp. Moisten shrimp and peas

Tuna Fish Pie with Cheese Roll Crust

*Royal's Surprise Recipe for March*

It's a happy idea for Lent! This tasty, nutritious fish pie turns a meatless dinner into an especially satisfying, substantial meal. It tastes even better than chicken pie. But it doesn't *cost* like chicken pie—only one-third as much!

**Tuna Fish Pie with Cheese Roll Crust**

½ cup sliced green pepper
2 slices onion
3 tablespoons butter
6 tablespoons flour
½ teaspoon salt
3 cups milk
1 large can tuna fish, drained
1 tablespoon lemon juice

Melt butter; add green peppers and onion; cook until soft. Add flour; stir until well blended. Add salt; add milk slowly, stirring constantly until thick and smooth. Bring to boil; boil 2 minutes. Add remaining ingredients. Pour into large baking dish and cover with cheese rolls. Serves 8.

**Cheese Rolls**

1½ cups flour
3 teaspoons Royal Baking Powder
½ teaspoon salt
few grains cayenne
3 tablespoons shortening
½ cup milk, or half milk and half water
¾ cup grated cheese
2 pimientos, chopped

Sift together first four ingredients; add shortening; mix in thoroughly with fork. Add liquid to make soft dough. Toss lightly on floured board until outside looks smooth. Roll out into sheet 8 x 12 inches. Sprinkle with cheese and pimiento. Roll up like Jelly Roll, starting at short side. With sharp knife, cut in 8 slices, flatten slightly and lay on top of creamed mixture. Bake in hot oven at 450° F. about 30 minutes until browned.

**To be sure** of a crust that is delicately flavored, light and tender, make it with Royal Baking Powder. Royal is made with Cream of Tartar, derived from luscious, ripe grapes. This pure fruit product gives an extra fineness of flavor and texture, and uniform dependability.

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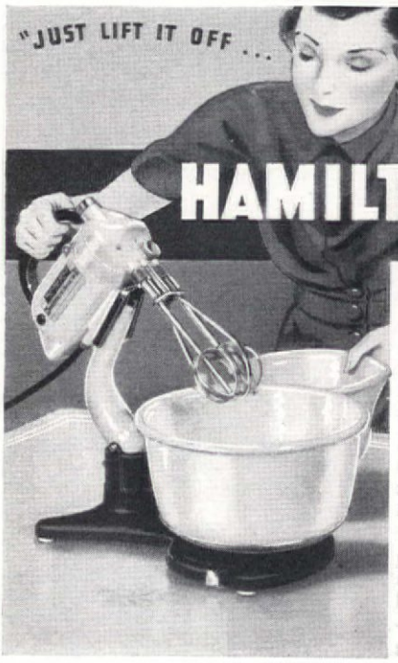

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with mayonnaise, and season with salt and pepper. Dissolve gelatine in 1 cupful boiling water and add 1 cupful ice water. Add shrimp and peas. Wash green peppers, cut off top and remove seed. Pour gelatine, shrimp, and pea mixture into pepper cups and chill. Serve on lettuce and garnish with mayonnaise forced through pastry tube.

### *Rolled Watercress Sandwiches*

White bread
Butter
Chopped watercress

Chop watercress and blend with softened butter. Slice bread very thin. Cut off crusts. Spread watercress butter on bread and roll up quickly. Fasten with toothpick and chill in refrigerator to set butter. Remove toothpick before serving.

### *Vanilla Wafers*

⅓ cupful butter
1 cupful sugar
1 egg, well beaten
¼ cupful milk
2 cupfuls flour
2 teaspoonfuls baking powder
2 teaspoonfuls vanilla

Cream butter, add sugar, egg, milk, and vanilla. Mix and sift dry ingredients, and add to first mixture. Chill, roll thin, cut in shamrock and clay pipe shapes. Place on a buttered cookie sheet and bake in hot (375° F.) oven till brown.

### *Pistachio Ice Cream*

2 cupfuls scalded milk
1 tablespoonful flour
1 cupful sugar
2 egg yolks, slightly beaten
¼ teaspoonful salt
1 tablespoonful vanilla
1 teaspoonful almond extract
1 cupful chopped pistachio nuts
1 quart thin cream
Green coloring

Mix flour, sugar, and salt. Add egg yolks and milk. Cook over hot water for 10 minutes, stirring constantly. Take from stove, heat and add cream, nuts, flavoring, and green coloring until mixture is a pale green. Strain, pour into tray of mechanical refrigerator, and freeze, stirring several times during freezing.

RECIPES FOR FISH MENUS

### *Escalloped Crabmeat and Oysters*

2 cans crab meat, flaked (about 3 cupfuls)
3 cupfuls oysters
1 cupful butter
½ cupful flour
3 cupfuls rich milk
2 cupfuls fine bread crumbs

Divide the butter. In ½ cupful sauté the crumbs until they are brown. Melt the other ½ cupful in double boiler and, away from the fire, add the flour and the ing. Blend well and slowly milk. Stir over hot wa thick and smooth. Oil a and arrange layers of crea crabmeat, crumbs, and Top with crumbs. Bake fo in a moderate (350° F.)

### *Lemon Soufflé*

4 eggs, separated
1 cupful sugar
grated rind and juice of

Beat yolks until thick a colored, add sugar gradua tinue beating, then add le and juice. Cut and fold whites which have been stiff. Pour into a greased dish, set in a pan of ho and bake in a moderate ( oven 30-40 minutes.

### *Two-Tone Cockt*

1 part tomato juice
1 part sauerkraut juice

Mix together and chi oughly before serving.

### *Orange Ice*

4 cupfuls water
2 cupfuls sugar
2 cupfuls orange juice
Grated rind of 2 orange
¼ cupful lemon juice

Boil sugar and water for 5 minutes. Add fruit j rind. Cool, strain and freez chanical refrigerator, or i cream freezer.

### *Ice Cream Wafe*

½ cupful shortening
½ cupful sugar
1 egg, well beaten
¾ cupful flour
½ teaspoonful salt
½ teaspoonful flavoring
Walnuts

Blend sugar and sh thoroughly. Add egg beat velvety. Then add flour w been sifted with salt. Bea ously. Add flavoring and greased cookie sheet lik marbles, well apart. Put n in center of each cookie a 10-15 minutes in a hot (4 oven.

### *Shrimp à la Newb*

1 pint shrimps
3 tablespoonfuls butter
1 teaspoonful lemon juice
1 teaspoonful flour
½ cupful cream
2 egg yolks, beaten
3 tablespoonfuls sherry
Salt and pepper to taste

Clean shrimps and coo minutes in 2 tablespoonfuls Add lemon juice and cook ute. Melt 1 tablespoonful add flour and cream. Whe ened, add egg yolks, shrim sherry. Season with pepp salt and serve piping hot.

*[Please turn to p*

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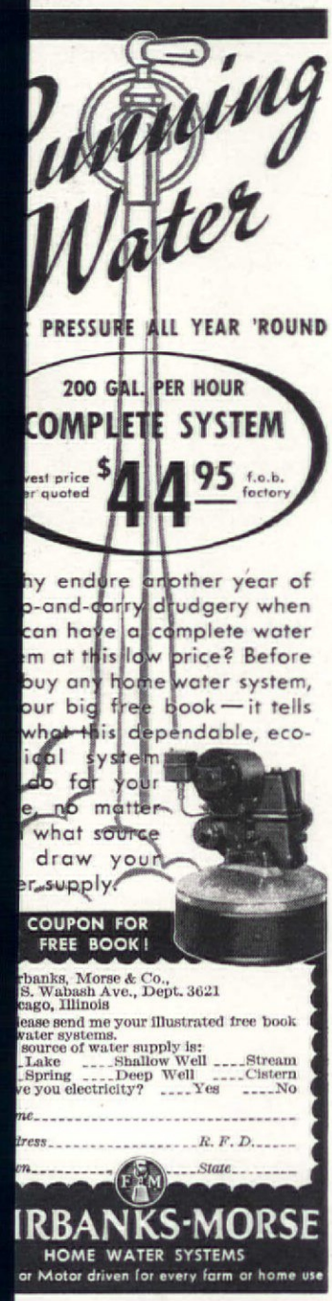

## *Right from our own kitchen*

Do you know the chayote? Last winter a great many grocery stores above the far southern states carried a semi-tropical newcomer among the temperate zone vegetables—the chayote. It is a member of the cucumber family, growing on a vine, and looks like a pale green pepper in shape, but instead of being hollow, it is as solid and hard as a potato. Although it is native to Mexico and Central America, the chayote is now cultivated as a garden vegetable in warm regions of many other parts of the world—wherever the ground freezes little or not at all. It is used extensively on the Island of Madeira. Although it belongs to the cucumber family, the chayote (pronounced "chi-o-ty") is quite different in flavor. It is mild and agreeable, and it has excellent fiber-free texture. There is one large flat seed which is edible. Two medium sized chayotes are enough for about six persons, for there is almost no waste. The serving of the chayote is recommended usually without mashing, because of the distinctive excellence of its texture. The flavor of the flesh is not unlike that of the vegetable marrow or of the summer squash but is even more delicate. This is distinctly a fall and winter vegetable.

### *Rules for cooking vegetables*

Although the cooking of vegetables is in general very simple, thought should be given to the correct methods, for much of the natural flavor and food value may be lost by careless cooking. A few hints to the beginner and even to the more experienced housekeepers may not be amiss at this time.

All vegetables should be thoroughly washed in cold water before they are cooked. A small brush is a big help in cleaning all vegetables except the leafy ones.

Do not use too much water in cooking. Use only as much as is absolutely necessary to prevent burning. Use boiling water and add salt when vegetables are half cooked, unless otherwise stated. *Never use soda in cooking vegetables.* It heightens the color, but destroys the valuable vitamins.

Use water in which vegetables were cooked for soups, gravies, and sauces. Do not throw this water away as it contains vitamins which are water soluble, and would be lost if this water were not retained. The water soluble vitamins are B, C, and E.

When cooking onions, cabbage, or other strong juiced vegetables, place a thick slice of bread

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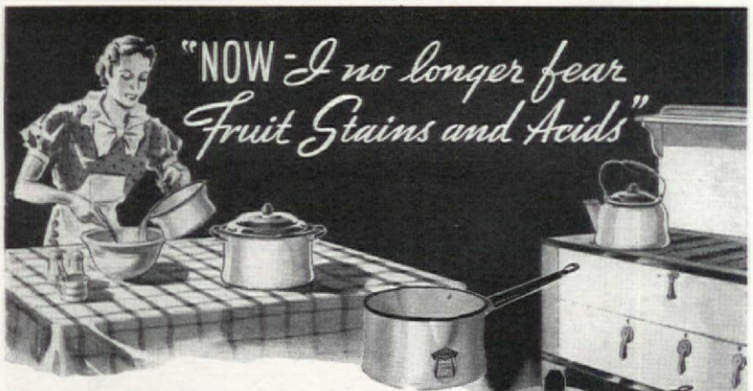
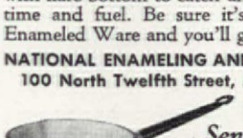



***You'll find far More than New Styles and Colors*** You will love this new, white-lined Enameled Ware that STAYS white! NESCO has found the formula. No more dirty-looking sauce pans even after laborious cleaning. No more food acid pitting to ruin a pet utensil. The new NESCO Enameled Ware is acid-resisting and stains wipe off as they do from a china plate.

**NESCO** **Acid-resisting Stainless Enameled Ware**

Replace the old pots and pans. At *reasonable prices* NESCO dealers will duplicate every one with this new white-lined, stay-white, labor-saving cooking ware with flare bottom to catch all the heat and save both time and fuel. Be sure it's the stainless NESCO Enameled Ware and you'll get the best.

**NATIONAL ENAMELING AND STAMPING COMPANY**
**100 North Twelfth Street, Milwaukee, Wisconsin**



**LET US PROVE IT**
***Send* 50c FOR 75c VALUE**
**Two-Lipped, Triple-Coated, 2¾-Pint Sauce Pan**

Test in your own kitchen the acid-resisting, stain-fighting quality of the new NESCO Enameled Ware. Pours right or left, quick-heating flare bottom. Send 50c for Sauce Pan and secure also handsome color-illustrated literature describing other NESCO household utilities. Be prompt—this introductory offer will be withdrawn soon.

A NESCO PRODUCT

# This fireplace warms every corner of the room . . .

"The Heatilator Fireplace which we installed in our home a year ago has proven very satisfactory," writes a Heatilator owner in Minnesota. "Our unit is small, but we have no trouble in heating our living room. On one occasion the temperature was 5 degrees below. Using no other heat, we kept the room at over 70 degrees. Furthermore, the room was as warm at the farther end as directly in front of the fire."

**Circulates Heat**

The Heatilator unit, shown below, is a steel heating chamber hidden in the fireplace. Cold air is drawn from the floor into this heating chamber — warmed — then circulated to every corner of the room.

**Saves Fuel—Will Not Smoke**

By providing living comfort during cool spring and fall weather, the Heatilator cuts weeks off the furnace-heating season and dollars off the fuel bill. In mild climates and for summer homes and camps, it is the only heating equipment required. Its scientific design insures SMOKELESS operation.

Complete from floor to chimney, the Heatilator greatly simplifies construction — saves materials and labor. Does not limit mantel design or choice of materials. NEW LOW PRICES make cost but little more than ordinary construction. Stocked in principal cities for quick delivery. Write for details. State if building new fireplace or rebuilding old.

Heatilator Co., 423 E. Brighton Ave.
Syracuse, N. Y.

**Heatilator Fireplace**


(wrapped in cheesecloth to facilitate removal) in the kettle to absorb some of the odor.

Cook vegetables rapidly and only as long as is necessary to render them edible.

Potatoes are best in the fall, and keep well through the winter. To prevent freezing of the stored potatoes, keep a pail of cold water standing near them. Frozen potatoes have a sweet flavor which is due to partial dextrination of the starch. Sweet potatoes belong to a different family than white potatoes, and contain a larger percentage of sugar. Have potatoes of uniform size to insure even cooking. If the center of potato is still "bony" when you are almost ready to serve them, add two cupfuls of cold water—this drives heat to the center, thus accomplishing the cooking in a very short time. To retain full flavor and vitamin content of potato, peel after cooking. Sweet potatoes peel much more easily after cooking than before.

French or globe artichokes are prepared for boiling as follows: Cut off stem close to leaves, remove outside leaves, cut off one inch from the top. Tie with string so they will keep their shape, and soak for half an hour in cold water. Drain well and cook in boiling salted acidulated water 25 minutes to 1 hour, according to size. (Acidulated water is water to which 2-3 tablespoonfuls of vinegar have been added.)

To prepare asparagus for cooking—cut off lower part of stalk as far down as it will snap. Wash, remove scales and tie in bunches. Cook in covered kettle or asparagus cooker, standing upright in boiling salted water, leaving tips out of water so they will steam.

String beans, green or wax—Remove ends and strings. Cut in pieces. Wash and cook in boiling water, adding salt when half done. Soak dried beans overnight. Drain and cook in boiling water.

Select beets with fresh leaves. Cook whole in boiling water, with or without salt. Skin *after* cooking.

Broccoli—Select stalks with dark green, *tightly* closed buds. Cut off tough part of stalk and coarse leaves. Steam or cook uncovered in boiling water, adding salt last five minutes of cooking.

Brussels sprouts—Select light green compact heads. Remove wilted leaves, cut cross gash in stem end and soak fifteen minutes in cold salt water. Drain and cook uncovered in boiling water. Add salt last ten minutes of cooking.

Cabbage—Take off outside leaves, cut in quarters and remove tough stalk. Chop or not, as desired. Soak in cold salted water 20 minutes. Cook in small amount of boiling, salted water 15-30 minutes if quarters, 8-10 minutes if chopped. *Do not overcook.*

Sauerkraut—Drain kraut, cover with boiling salted wate stock) and cook 35 minutes.

Carrots—Wash and s Food value retained if not sc Cook in boiling salted wat stock) until tender.

Cauliflower—Select white with fresh green leaves. Re leaves and stalk and soak ½ (head down) in cold salted Cook (head up) in boiling water until soft (about 20 utes).

Celeriac—Scrub thorou scrape or pare. Slice lengt Cook in boiling salted water minutes.

Celery—Wash, scrape an in pieces. Cook until soft in b salted water.

Swiss chard—Cook like spi

Chayote—Peel before or cooking. Cut in half or qu and cook in boiling salted 20-35 minutes. Or bake like sq

Green corn—Remove husk silk. Cook 10-20 minutes in b salted water, or half milk an water.

Cucumbers—Pare and c pieces. Boil until soft in amount of boiling salted wa stock.

Dandelion greens—Cook spinach.

Dasheens—Cook like pota scraped before cooking, add spoonful of soda to water in scraping is done to prevent i

*Humuhumunukunukuap*

Natives have given the above na Hawaii's smallest fish, smaller in than the name itself. Hawaii, lovel adise for fishermen, offers Island wives markets replete with pisca delicacies. But in a land where foo be bought fresh from the markets, fish to mangoes and pineapples, you nomically-minded Island women their pineapple juice in DOLE vac sealed cans.

They know that DOLE-grown apples are the choicest of all. These apples do not go into markets but gleaming DOLE vacuum-sealed They know that DOLE Hawaiian apple Juice is pure, unsweetened, to serve. Economical. That is why land women are learning to ask no pineapple juice but for DOLE Haw Pineapple Juice! Hawaiian Pinea Co., Ltd., Honolulu, T. H., U. S. A. Offices: 215 Market St., San Fran

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tion of hands. Do not add soda to cooking water.

Eggplant—Preparation of this vegetable differs with the recipes using it.

Fennel—Peel and slice bulb and as much of the stalk as is tender. Wash and cook in boiling salted water until tender—25-30 minutes.

Kale—Clean, cut off root. Wash in cold water. Cook in boiling salted water until tender—25-30 minutes.

Kohl-rabi—Choose small, pale green bulbs. Cut off tops. Peel and slice or quarter. Cook uncovered in boiling salted water until tender.

Leeks—Wash, trim, and cook in boiling salted water about 15 minutes.

Soak dried lentils overnight before using.

To prepare mushrooms—separate cap from stem. Peel cap and scrape stem.

Okra—Wash thoroughly, remove stems. Slice or cut in small pieces.

Scallions—Cook like leeks.

Onions—Remove skins under cold water. Make 1 or 2 gashes on root end. Cook in boiling water 5 minutes. Drain. Cover with boiling salted water, and cook until soft but not broken.

Oyster plant (Salsify)—Wash and scrape. Put in cold acidulated water to prevent discoloration. Cut in inch slices and cook in boiling salted water until soft.

Parsnips—Select young, small parsnips. Wash and cook until soft in boiling salted water. Skin after cooking.

Peas—Shell, cover with cold water and let stand ½ hour. Undeveloped peas will rise to surface of water. Reject these and drain remaining ones. Cook in small quantity of boiling water, adding salt last 10 minutes of cooking. 1 or 2 sprigs of mint added to peas while cooking imparts a delightful flavor.

Peppers are washed, seeded, and parboiled for 2 minutes before using.

Spinach—Remove roots and wilted leaves. Wash thoroughly. Cook (covered) in its own juices. *Do not add more water.* The water left on the leaves from washing and the natural juices of this vegetable are sufficient.

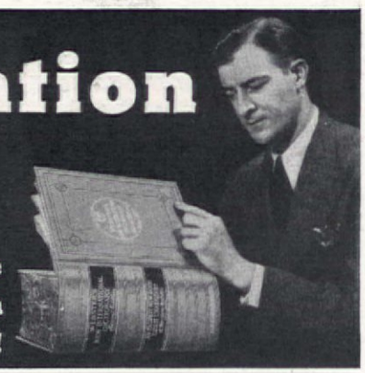
Summer squash—Wash and cut in thick slices. Cook 15-20 minutes in small amount of boiling salted water. If squash is to be fried, do not parboil.

Winter squash—Cut in pieces, remove stringy portion and seeds. Pare. Cook in boiling salted water until soft. *To bake:* Leave whole or break in small pieces. Bake in 355° F. oven about 1½ hours.

Turnips—Wash, pare, and slice, quarter, or dice. Cook uncovered in boiling, salted water until soft.

—Elsa Mangold, Dietitian American Home Kitchen.


**THE Foundation Book**



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End those irritating nuisances around the house—**loose drawer-pulls, casters and bathroom fixtures, cracks in floors, around baseboards, broken furniture**—repair them quickly with Plastic Wood — that handles like putty and hardens into lasting wood. You can paint it, carve it—it adheres to wood, metal, plaster—holds nails and screws. You'll say Plastic Wood is wonderful—paint and hardware stores sell 25c tubes and 35c cans.

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# *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 any rejected copy.

### *Vinegar and Plaster of Paris*

Try mixing plaster of Paris with vinegar instead of water and it will not harden so quickly, when filling cracks and holes in the plastering. MABEL SMITH, Warsaw, Ind.

### *Driving Nails in Hard Wood*

Bore a hole in the end of the handle of your hammer, to a depth of about two inches and fill it with soap. When driving nails, especially finishing nails, into hard woods (or through thin veneer), you will find that they drive more easily, and are less apt to bend, or to split the wood, if you first push them into the soap in this handy container, and get them coated. CLIFF JEROME JOHNSON, La Crosse, Wisc.

### *A Canning Hint*

Whenever I use a can of fruit in the winter, I wash the jar, test it with a new jar rubber, and put one cupful of sugar in the clean jar. I always save paper bags to put the jars in and when canning time arrives I have jars all ready for use and as the price of sugar is always higher during canning season, I have saved not only on the price of sugar but I never have to add the expense of sugar to the expense of fruit for my canning. MRS. E. D. MATTHEWS, Syracuse, N. Y.

### *Before Using Yarn*

Wrap it in white cloth, and lay it in a steamer over boiling water for an hour. When dry, it may be used without fear of shrinking more. MRS. FRANCES ION FRAZEUR, Indianapolis, Ind.

### *Reference Notes*

When I find interesting articles in a magazine, I make a note of them inside the cover. Then when I am ready to discard the magazine, I may easily find the notes I wish to save. In this way you do not mutilate the magazine before other members of the family have read it. The notes will run something like this—Covering page 2; Cookie receipt, pa etc. MRS. M. E. HAYES, Roc N. Y.

### *A Patch in a Torn Gar*

Use white of egg to seal patch to the garment and press with a hot iron. The will be a practically in patch. MRS. M. JAMES, Q Canada.

### *Attractive Dresser Dra*

The unpainted inside of drawers does not appeal to the unfinished wood is not a to keep clean, takes longer when washed, and is more absorb musty odors. One ca enamel paints now in such b ful colors to harmonize wi furnishings of almost any and the enamel gives a sm hard finish, easy to apply, an to keep clean. The gay colore ing of the drawers looks so a tive when opened I am sure will find pleasure in tryin idea. MISS EMILY DINS Akron, Ohio.

### *If You Forget to Remem*

To remember dates of an saries, birthdays, or special e among your friends and rel mark your kitchen calendar s each time you note the date y reminded of the special days you want to send greetings. ways mark my calendar fo entire year when I first rece and find pleasure in extendin greetings on time. MRS. FRE MAY, St. Louis, Mo.

### *Incompatible Door Kno*

In case two door knobs when one or both adjacent are open, slip half of a ten rubber ball on each of the k Colored balls which will har ize with the color scheme a conspicuous. The balls are satisfactory than a pad of r rial for they are so easily cle and applied. CLEORA E. JOH Elgin, Ill.

### *Ugly Cracks in Your Chi Tea Service*

New cups and saucers are ma by unsightly cracks. Avoid th using a very simple precaution cups and saucers in a pan of water and bring to the bo point allowing them to get co the same water before using.

This method, of course, ma applied successfully to any a of a dinner service which req heating for general use. MRS. SELWOOD, Anyox, B. C., Can

WOULDN'T it be nice this spring if you could just wash away the smudges and soot that winter heating has left on your walls and ceilings? That's exactly what you *can* do when your rooms are WALL-TEXED. The lovely patterns are reproduced in time-resisting oil colors on sturdy canvas.

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## Give a party!

[*Continued from page 84*]

### *Spanish Beanpot*

2 large cans red kidney beans
2 tablespoonfuls bacon fat
1 large clove garlic, minced
1 pinch English thyme
1 pinch Rosemary
1 small bay leaf
2 whole cloves
1 teaspoonful salt
2 teaspoonfuls dry mustard
¼ teaspoonful cayenne pepper
2 tablespoonfuls strong cider vinegar
½ cupful juice from pickled peaches or pears or any canned fruit that is not too sweet
4 slices bacon
1 onion, sliced thin
¼ cupful strong black coffee
1 jigger of brandy

Put beans in beanpot (pottery preferred). Mix together all other ingredients except bacon, onion, coffee, and brandy. Pour over beans, stir, and bake 1 hour in a slow (275° F.) oven. Then cover top with the onion, and on top of that the bacon. Bake for 15 minutes in a hot (400° F.) oven. Then add the coffee and bake a few minutes more until the bacon is crisp. Add the brandy and leave in the hot oven until brandy is heated.

### *Chocolate Nut Wafers*

½ cupful butter
1 cupful sugar
2 eggs, well beaten
2 squares chocolate, melted
1 cupful chopped walnuts
¼ teaspoonful salt
¼ teaspoonful vanilla
⅔ cupful flour

Cream butter and add sugar gradually. Add other ingredients in order given. Drop by teaspoonfuls on buttered cooky sheet, 1 inch apart, and bake in a moderate (350° F.) oven for 15 minutes.

## Pruning for everyone

[*Continued from page 31*]

branches of the older trees make the cuts immediately above the bud.

When to prune? Prune orchard trees during their rest period which is late fall, winter, or early in April. Shade trees of nearly all kinds are best pruned during their rest period also; but some tree experts prefer August for the trimming of large Maples and the like while in full leaf. During the spring when the sap is flowing in the upper branches is a very poor time to make any new fresh cuts. Evergreens may be safely pruned or shaped (as is most often the case with the ornamentals) during nearly any month of the year. May, June, July, and the early fall months are also very good for this


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That's why, when you build or remodel, you're going to see to it that your doors move easily, smoothly — remembering that *the nation's carefree doors move on Stanley Hardware.*

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Why the extra hinge? Any door, regardless of its quality, if hung on two hinges will eventually bind, sag or bulge. The extra hinge at the center holds the door in line and prevents this annoyance.

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work. Practically all shrubs may be trimmed during the dormant months or in late fall.

There are, however, a few exceptions to this rule. Prune Forsythia and other spring blooming shrubs right after the flowers have disappeared, because during the summer months the flower buds for the next spring are made and if pruning is delayed until these have formed the bloom is cut away. Take out dead wood and broken branches of any tree or shrub at once, regardless of season.

Opinions differ as to Grape Vines. February or early March gives me the best results with this work, but I have known Grapes to be trimmed earlier, and even as late as the last week in April, and with satisfactory results, too! The dormant period of any plant is really the best time to prune. However, if you see an undesirable limb even in mid-summer I do not believe the removal of that limb will be as harmful to the life of the plant as letting it remain might be. However, severe pruning should be done at any time other than as already indicated.

There is no artificial medium which can be applied to make the wounds heal more quickly. The healing depends more upon the character of the cut, upon its position in the plant, and the time of the year that the cut was made. A protective covering will not aid the plant in the healing process. It will, however, protect the open wound from decay and rot. Manufacturers offer different makes of waxes, paints, and washes for the painting of wounds after pruning. It is fair to say that any substance that is not corrosive or detrimental to the growth of the tree and which will protect the heart wood from the attacks of rot spores will prove a satisfactory covering for any and all cut surfaces which result from the needed and necessary trimming. Among the coverings most used today are coal tar, which is used as much as any other such material; white lead, yellow ochre, and in some cases grafting wax have been applied with equally good results. Painting with a neutral tone paint improves the appearance of the treated tree.

When making cuts, leave a hard, smooth, clean-cut surface; cuts as close to the main stem (in large tree work) as possible; make the cuts (in smaller work) close to a bud or joint; root prune only the dead roots and the damaged ends; trim back the tops of all new trees even more severely than the cutting that was necessary on the root system; protect the cuts from rot spores by applying a suitable dressing to large surfaces.

One last but not least suggestion: before you start to trim know what you are going to do. Know the characteristics of the variety you wish to trim, study the


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shape of the tree first and then improve upon this as you prune. Never prune a plant at the time of year when it will "bleed;" never prune back roots farther than is absolutely necessary; never root prune a plant and not cut back the upper branches to even a more severe degree; never damage the bark or loosen it from the trunk or main stem when you are cutting off a branch or large limb; never leave stubs projecting from the main stem. And always use a good tool kept sharp and clean.

## Hemerocallis

[Continued from page 28]

stout arching stems bearing large loosely arranged flowers seven inches across, of a striking shade of dark terra-cotta, overlaid bronze, with deep orange base. At a distance, the effect is that of old rose.

One of the last Hemerocallis to bloom is Star of Gold, which produces beautiful waxy flowers of palest yellow, large and star-like in form. It is the finest of the more delicately toned—almost white—varieties. Stalks are four feet and more in height. Another late variety is J. R. Mann, a glistening, large open flower of frosted apricot and yellow, growing three and one half feet tall. Perhaps the most persistent bloomer is Bay State, a large deep yellow with attractive fluted petals, growing around three feet in height. Hyperion, which was awarded a metal by the Royal Horticultural Society in England, deserves a place in every garden. It surpasses most other Hemerocallis in size, form, color, and substance, and is rarely equalled in texture. The waxy, firm flowers of purest canary yellow are five to six inches across and are borne on stout four-foot stems.

Plants may be shipped safely for long distances. While a few nurseries carry a limited number of the older varieties, the new improved hybrids are offered by a dozen or so specialists, in addition to the hybridizers themselves.

The varieties listed on the preceding pages are as follows: Page 27, left; at the extreme top, D. D. Wyman, light golden yellow with tawny splash, flowering July and August; to the left, Lemona, a large, pale lemon yellow on very tall stems; to the right, J. A. Crawford, two blooms, a rounded flower, apricot cadmium yellow, July and August. The other illustration is the variety Bay State, brilliant deep yellow on 4 ft. stems; a free bloomer in July. On page 28, the variety listed at the bottom is Mikado, rich orange, blotched with ruddy purple, 3 ft. Golden West—clear medium yellow, tall, late bloomer, many flowers, long period of bloom.


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# Garden Facts and Fancies

A magnificent allee of Yew characterizes the ga of Miss Thomasella Gra Sierra Madre, California prize winner in the esta vision of the 1935 Na Yard and Garden C

Leonard Barron

PERHAPS it will be both instructive and encouraging to look at some prize winning gardens. For the seventh successive year the National Yard and Garden Contest announces its winners. That the interest is not only sustained but greatly increased speaks well for the popular appreciation of good gardens as being integral parts of the well-kept American home.

Judging this nation-wide contest has perforce to be done ultimately on photographs; but it is based on a multitude of local elimination contests. The stimulus engendered in this work goes far to make our suburban dwelling regions more beautiful, more liveable. Good gardens are expressions of a cultivated esthetic sense and appreciation of pleasant living.

Is there any significance in the fact that all the three winners in each of the three classes belong to the Middle West, the Far West and the South? Or, is it a mere coincidence? There are numerous local garden contests in the eastern and northern sections of the country representing a total of many thousands of entries. They are sufficient unto themselves and do not participate in the National Yard and Garden Contest Association, which has its headquarters in Iowa, as a division of The American Green Cross.

In the suburban area of New York City one of the most comprehensive and thoroughly well organized garden contests conducted by the *Herald Tribune* newspaper produces several thousand entries and judging is done by a large corps of competent horticulturists, split up in various territorial teams, who actually visit and survey the individual gardens. It has been my pleasure to participate in this large judging work from the very first and I am satisfied that the total result has been a tremendous uplift of popular appreciation of good taste in garden design and good quality in the use of garden material. The spirit of emulation that is engendered, the desire to achieve and the willingness to learn manifested by the thousands of participants in this very seriously undertaken, well-organized contest is in itself a revelation in the continuing spirit of garden appreciation among the average suburban home dweller.

GARDENS too often are too static. They are made and left alone and there is something of reverence, almost worship or veneration of plants because they lived and grew. The fact that they over-grew and outlived their space and usefulness was too often completely ignored in the sentimental and almost idolatrous veneration of a living plant. The garden needs not only to be furnished, but refurnished. It must be kept up to date by evident management and careful control. Old varieties and old types pass as the passing years. New things come and novelties are offered each year—not always are they advances in every place where they are tried but the total result over a term of years is a very evident measure of positive progress.

Who would go back to the Roses of yesteryear alone? Who wants only the old Chrysanthemums? Who would be fied with the old Irises; t nothing of such transient g as of the Dahlia. The keyn good gardening is progress all that is old, however, is sarily less useful than that is new, but the good gardener tries a with an open mind and holds on to that is good. Wonderful progress has been ma the everyday annuals, such as Zinnias, golds, Petunias, and Sweet Peas.

This is a good opportunity to suggest t as an individual a serious interest in th plants that are offered in the catalogs c current season. The mere sportiveness of elty is in itself a great allure. Don't be co merely to follow on in your neighborho

STRANGE as it may seem, research m the experiment stations are telling us that there is plausible possibility of act forecasting the probabilities of the epi appearance of diseases among plants garden crops. Late blight of potatoes example, seems to come and go in cycl from three to five years. The most impo thing to watch is the rainfall. With h summer rains, plant blights are likely.

It looks gloomy for potatoes in New for onion mildew in California and Mic and for celery in most places because the comes from two states where conditions none too favorable in the past season.

Botrytis blight of Tulips and of Lilies possibly be forecast; but, says Dr. New the New York State Experiment Station, a little more information, several diseas ornamentals can be predicted."

Two really personal gardens, winners in the 1935 National Yard and Garden Contest, Mr. and Mrs. Kermode Gill of Cleveland Heights, Ohio, have some manual help but are themselves constant and keen working gardeners (left). Mr. John Kakakes, Spokane, Wash., won in the class where all the work is done by the family (right)

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# Bon Ami

# A divided transplanting box

P. B. VIKRE

THOSE who have caught and come inoculated by the ening bug" the lengthening days of February and March imulus to turn to seed cata- and the coming spring ies. If one has once become d with the said "gardening he urge to try some new kind ver seed, and to be watch- r the little seedlings to stick eads above the soil, is nearly sible to overcome. So as ys gradually lengthen and ng that spring is just around rner, you get out your seed your seed flats or cigar boxes. ix so much loam, so much so much peat or leaf mold; terilize, you potter around you think the mixture is The boxes or pans are then and the seed planted and d. And from then on, every ou will be hoping and watch- r some sign that the seeds germinated, that the embryo ng is ready to face the world cking its head above the soil. seedlings come up quickly, grow rapidly. But you know unless they are thinned out ach seedling is given room to p and expand it will e thin and spindling. hat even if later they ransplanted into the

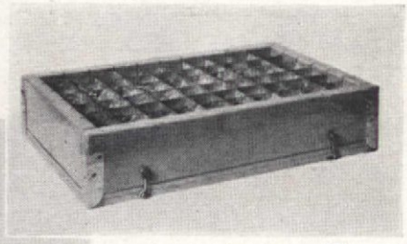

Figure 1

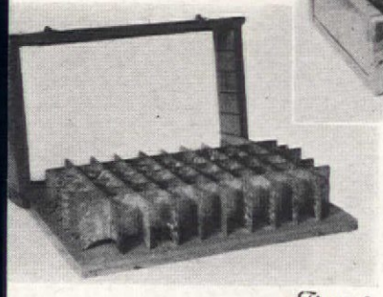

Figure 2

n they seldom become strong t plants. Therefore when the ngs get their third or fourth they must be transplanted iven room to grow, if strong ng and robust plants are d. A good start is important od results.

ere are three methods usually used for transplanting: into another flat (box), into small flower pots, or into paper bands set in a box. Transplanting into an ordinary flat or box is a fairly satisfactory method for most seedlings. One of the objections to the flat is that when the seedlings are ready for the transplanting into the garden it is difficult to transplant them without disturbing their root system. They sometimes resent having their roots molested every time they get a good start in life, and when their roots must again be disturbed by transplanting into the garden they often go into a sulk from which it takes a long time to get over, with the result that they never become strong and robust plants.

Paper bands, being square, are economical as to space. But unless the paper bands are made waterproof the decaying of the paper may have a stunting effect on the seedlings.

I have experimented with two-inch flower pots using various methods for watering; I have set them in boxes containing a galvanized tray into which the water was poured. If in front of a sunny window, on a warm day, and unless an excessive amount of water was put in the tray in the morning, they would be dried out by evening. The most satisfactory method when using small flower pots was to have boxes with galvanized trays placing the pot in this tray, then filling sand or sphagnum moss around the pots and keeping the sand or sphagnum moss always moist.

The divided transplanting box to be described will take care of

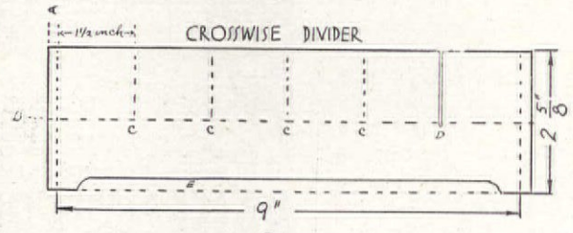


Figure 3

6" slides into saw cuts of box
enter guide line
C—Slots guide line
D—Cut slot. Lengthwise strips cut from bottom up to center guide line
E—This part cut away for drainage

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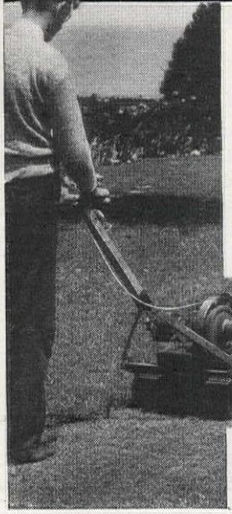

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twice as many seedlings as if the same sized box was used to hold two-inch pots. Also each of the plant compartments would hold approximately twice as much soil as a two-inch pot. A more even water content could also be maintained in the soil than in small pots.

Figure 1 shows a transplanting flat or box divided into sixty compartments. This box was 11½ inches wide by 16½ inches long. Inside dimensions, 9 inches wide, 15 inches long, and 3 inches in depth. Each compartment is 1½ inches square. The sides of the box were made of ¾-inch lumber. Before nailing the sides together cuts were made for the dividing partitions. The end pieces, being 9 inches long, were marked crosswise every inch and a half and the cuts made with a coarse set saw to a depth of about ¼ inch. In the side pieces the first cut is made 2¼ inches from the end (allowance made for the thickness of the end pieces) and the other cuts made 1½ inches apart, which would leave the last cut 2¼ inches from the other end.

A removable bottom, fastened to the sides with two hooks on each side, makes it more easy to remove the plants from the flat. Four right-angle pieces of galvanized iron, one nailed to each corner of the box and extending down over the corners of the bottom board keep this from sliding around.

The dividers, shown in Figure 3, were made of galvanized iron 2⅝ inches wide and ⅜ inch longer than the width and inside length of the box, to slip into the saw cuts made. The illustration shows that part of the lower side of the dividers has been cut away. This was done so that excessive water could drain away from each compartment and find its way out through the drain hole in the bottom board.

Figure 2 shows the unit of dividers resting on the bottom board with the top (sides) lifted off.

After all the required galvanized iron strips have been cut to correct size, one cross piece (one of the 9-inch strips) is marked as shown in Figure 3 and cuts or slots are made from the top down to the center line. This cut or slot could be made with tin shears, or all the cross pieces could be clamped together put in a vise and the cut made by sawing through all the strips with a hack saw. If done with a hack saw the edges of the cut will probably be a little rough, but could be made smooth with a file, by resting the strip close to the edge of a table, pressing down on the back edge then raising the cut section slightly so that the edge could be trimmed with the file. If the strips are given a coat of asphalt paint, and repainted now and then, they will last for a number of years.


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*Get even with Mother Hoyt's gleeful gloatings about her Phlox by planting a bed of 25 pink Phlox Columbia. Flowers all Summer.*

*Make a drive for Garden Club prize with as many new things as possible. Consult Wayside's Catalog.*

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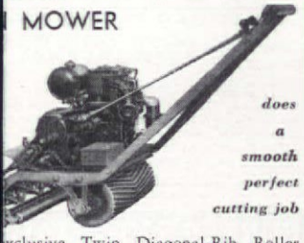

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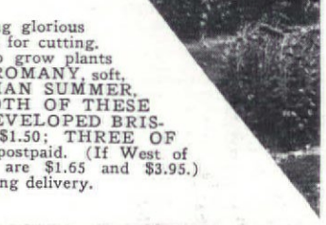

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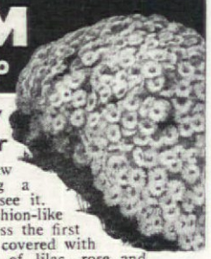

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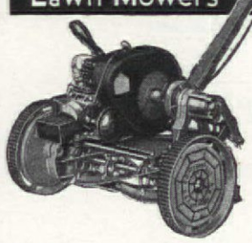

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The same method is used in making the pieces running lengthwise of the box, except that the slots or cuts are sawed up, from the bottom, to the center line.

On the number of dividers used, crosswise and lengthwise, depends the size of the compartments. Compartments one and a half inch square is about as small as is practical to use. The size of compartments needed would depend on the size to which one would want to grow the seedlings before transplanting to the garden. Also to a certain extent on the growth habit of the plant, as some plants grow slowly while others fast.

These dividers could be used in ordinary seed flats by making each divider slightly shorter than the width and the length of the box. After the first row of seedlings had been removed from the box the rest could be removed without much disturbance to the ball of soil surrounding the roots of the seedling. But a removable bottom box would be more convenient.

With the removable bottom box, when the seedlings are ready to be transplanted into the garden, the dividing strips are first taken out; a thin knife is then run along the inside of the four sides; then, lifting the sides from the bottom board, each seedling with its square chunk of soil can easily be transplanted into the garden without any disturbance to its root system.

There are a number of plants whose seed must be sown where they are to grow as they resent transplanting. It might be possible, by using a box as described, that such plants could be started indoors early in the spring in order to give them an earlier start. This I do not know as I have not tried it.

In bringing up the seedlings to the point where they are ready (and the weather is ready) to be transplanted into the garden, those of us who are growing our seedlings indoors in our home have to preempt space in front of the "better half's" sunny kitchen or dining room window. In such a case give your transplanting boxes a couple of coats of paint. They will not then be quite such an eyesore.

It's not too early to check up on the pruning shears and flower cutters. Be sure to select those especially designed for their purpose. From Hammacher Schlemmer


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# *Quick fillers in the rock garden*

ANDERSON McCULLY

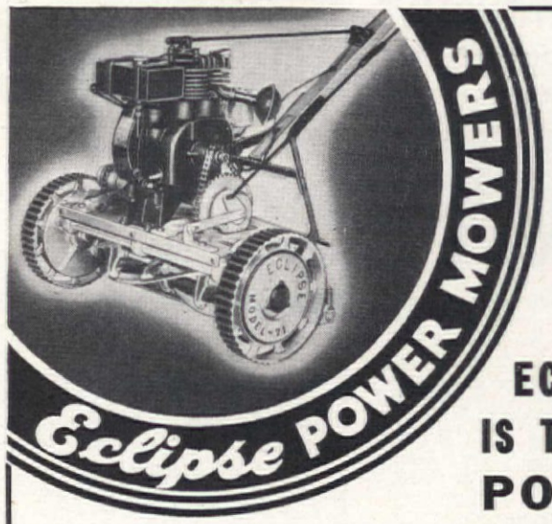
*(Illustrations on page 29)*

Rock gardens have easily grasped the effects of glacial debris. The troublesome point has been to soften this with brilliant joyous bloom. Alpine plants are small, and in the main, first bend their energies to firm and complicated anchorage beneath the stones.

It isn't enough that a plant is low and bright and annual. Many fat edging plants are all of these, but wholly out of keeping with the rock garden. Mountains have given us few annuals. Their summer season is in the main too short for a full life cycle; though warmer California's lower slopes are gay with a number, more prized abroad than at home. A few of the smaller ground-hugging annuals of the African veldt are adaptable, as well as many of the alpine perennials that spread rapidly, or tend to bloom well in the longer lowland season the first year from seed.

In the main, annual seed is broadcast where it is to bloom, and rarely requires any especial treatment. Here, as elsewhere, the type of garden will somewhat modify the choice. Needless to say, the more rampant (or sometimes border edging) plants would be out of place in a garden filled with the dainty higher types of true alpines. For such a garden we have annuals like the bright turquoise Gentiana nivalis and the violet-blue Campanula drabifolia (C. attica of seedsmen), the Greek Bellflower. The former is a jewel of the heights, coy and hesitant in gardens, seemingly desiring the close turf of other alpine neighbors. The Bellflower is a brilliant, large flowered species three or four inches high.

Most of the Africans and many of the Californians are particularly useful in dry and sunbaked stretches so frequent in American summers. Ursinia gives us a more compact variety in U. pulchra with delicately cut foliage and a mass of small orange rayed flowers. Seemingly no summer sun is too hot for its happiness. The Star of the Veldt (Dimorphotheca) also finds a similar place in gardens, and is one of the most quickly blooming annuals, sometimes six weeks from sowing. The type is an extremely strong orange, but the Aurantiaca Hybrids come in apricot, buff, salmon, primrose, and white. Felicia bergeriana is another rayed flower from the Cape of Good Hope, about four inches high, with turf-like foliage and clear blue flowers three fourths of an inch across. Where a taller blue is desirable, the bright nine-inch

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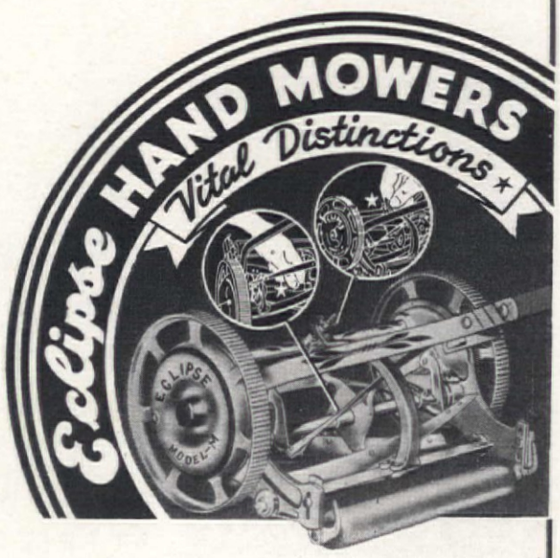


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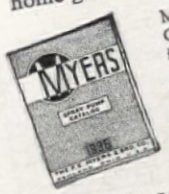

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Heliophylla leptophylla might work in. This is a crucifer.

We are offered a newer annual Mesembryanthemum in M. criniflorum, that seems evolved especially for our rock gardens—hardy, easily grown, slightly spreading, and about three inches high. From pink to crimson, from gold to primrose, apricot, buff, and pure white edged with all these tints, the blooms form a sheeting carpet in poor soils. Rock work, flagged paving, or stone walls are all to its taste. The well-known Portulaca is another succulent for such a position, though a Brazilian; and we have one annual Sedum in S. caeruleum.

The Gilias (also sometimes listed as Leptosiphon or Linanthus) and Phacelias give Western America much of her annual beauty. G. roseus and G. aureus are six-inch annuals of rose and orange-yellow that love the sun; while the yellow throated G. dianthoides is even lower. It is more usually lilac, but purple is frequent, and occasionally an exquisite shell pink occurs. The Harebell Phacelia (see illustration on page 20) is so old in gardens I hesitate to mention it, even though this rich blue Californian of the low mountain slopes might well tide us over the time we wait for some of the summer Gentians. The brilliantly purple P. sericea, that carries its flowers in an unrolling cyme, is a true perennial, but blooms so quickly from seed the first season, it may well be included here both for the finely-cut silvery rosettes and the glowing color of the feathery blooms. It makes a really more handsome rock plant if starved in moraine. Limnanthes douglasi foils these Phacelias well, being a low growing, mat forming type with open yellow saucers widely centered with white.

Other often useful annuals in the rock garden are Sanvitalia procumbens; Iberis Little Prince, white; and Queen of Italy, pink; Nemophila, Virginia Stock, Sweet Alyssum (Lilac Queen, Primrose Queen, and Little Gem); Abronia, Gypsophila muralis, Ionopsidium acaule, Anagallis, Gramanthes dichotoma, and Saponaria Scarlet Queen; while Dowingia elegans and D. pulchella bring their blue blooms to a moist pool edge. The deep red Mimulus breweri and the rose-pink M. fremonti hug the water edge. The perennial M. primuloides blooms almost as soon from seed, marching right into the pool or stream.

The Dianthus or Pink family offers many quick fillers in the rock garden, for besides the annuals, a number of the perennials bloom the first year from seed, and the family as a group spreads rather rapidly among the stones. D. roysi, an English hybrid of D. neglectus, is exceptionally pleas-


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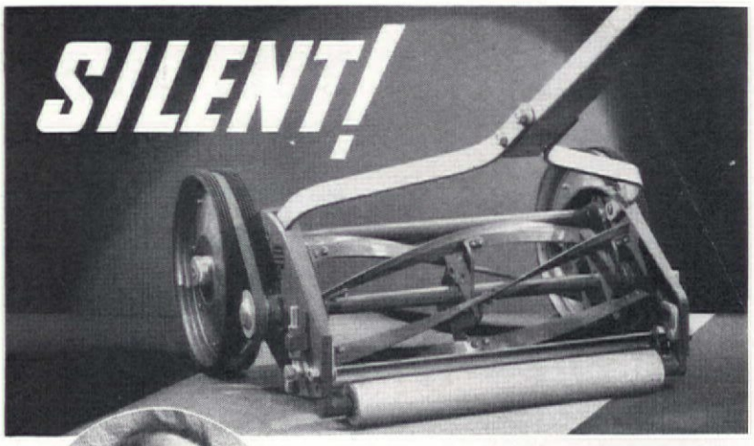
ing, with trim silvery mat-forming foliage and soft pink blooms that escape the harshness of many Pinks. My May-sown seed began to bloom before the end of summer, and continued on lightly through the fall and heavy December freezes, a few even poking through the snow. Normally, the heaviest bloom comes in June.

The low-tufted Oenotheras (illustration on page 29) are good space fillers in the rock garden, loving warm sand and sun. Oe. californica is annual or biennial, three or four inches high, and bears large fragrant blooms that open white with a yellow base, then pass through deepening tones to crimson. Oe. caespitosa is a perennial that quickly forms a wide mat on a sunny slope, opening white and deepening to rose. Humus and granite grit encourage it to grow well.

The Sedums are often more valuable for their foliage effects through the year than for their bloom. The majority of the hardy types rapidly clothe the rocks, developing in a single season from a little rooted sprig, or even mere cutting, to a mass a foot or so across. S. altissimum is among the attractively foliaged plants of fair size; while the tiny S. anglicum is a pretty little white-flowered creeper of pinkish cast that goes well in paving stones and other small chinks. It softens and fills in between small and poorly shaped stones that are often used in walls.

The Thymes grow quickly, bringing a touch of fragrance, and the shrubby types make good little bushes among the stones. Dwarf Veronicas are also rapid, V. rupestris, the Rock Speedwell, atoning in color mass for any individual lack. Royal Blue is a bright true blue variety. The Aethionemas tend to bloom lightly the first season from seed, and in later years clothe hot rocks with a wealth of exquisite pink that contrasts well with the blue tones of their foliage. Arabis and Aubretia are rapid spreaders with a number of improved new forms upon the market. The various shades of Aubretia blend unusually well, and a far slope or wall in various tones is charming. The Alpine Wallflower (Cheiranthus allioni) is the most persistent bloomer my rock gardens have ever had. It bloomed the first season from seed, and one plant I have has not been without at least one flower through every month in the last three years.

When annuals are used as fillers for a single season, it is important to see that blooms are cut before they seed to avoid the progeny in years to follow. Rampant perennials that are not moved on to rougher homes need watching below ground as well as above. A deeply sunken rock may be used to curb their root growth toward the smaller plants.



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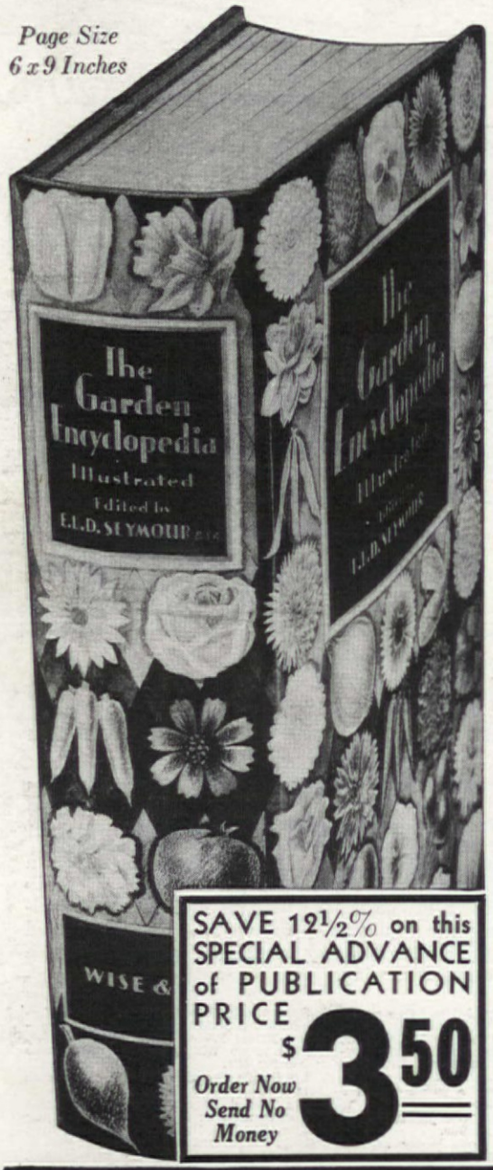


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