


A CAnחOD TOWEL'S LIKE TH


How sturdy-strong some dainty things can be! Your Cannon towels, for instance . . . they're as gay as a little girl but as robust as her brother!

Under those long, soft, close-set loops that lap up water-drops like tiny sponges, there's firm, solid-woven fabric.

The selvages are strong for that hurried whip and snap that Father gives to towels. And every color, dark or fair, is fadeless!

You'll be glad of that, because Decorators' Colors in Cannon towels are

the most gorgeous tones in a lifetime of towel-making. And every one looks expensive. But Cannon makes so many towels (they're the world's largest manufacturers of household textiles) that they can give newer ones and better ones all the way from 25 c to $\$ 2$. Cannon Mills, Inc., New York City.


The "energetic beauties" just above will rouse you to red ing the bathroom. And so easy to do effectively with towels in Decorators' Colors arranged over the towel-bars


A simple field-flower pattern with large areas of white look in the company of crisp, sheer curtains. This is a matche Cannon bath towel, face towel, wash cloth, and bath mat (

# Plymouth Gives You Most for Low Price 

# IT'S THE BIGGEST IN SIZE_IN VALUE_ OF"ALL THREE" 

2 Of the three leading low-priced cars, Plymouth is the biggest and roomiest -5 inches longer than one; 6 inches longer than the other!
4 The only low-priced car with a "safety signal" speedometer.
만 Every Plymouth model has the same big, 82 -horsepower "L-head" en-
gine-giving full-powered performance plus exceptional economy.
The only low-priced car with independent front coil springs on all models as standard equipment.
2F Plymouth is the only low-priced car thathas the steering-post gear shiftasstandard at no extra cost (De Luxe models).


STANDARD EQUIPMENT on "De Luxe" at no extra cost-Perfected Remote Control Shifting with All-
Silent Auto-Mesh Transmission.

Whe THREE LEADING low-est-priced cars cost about the same, but the differences are great!
In size, safety, comfortin every comparison-Plymouth is pointed out as the year's best buy.
Easy to own... your present car will probably represent a large proportion of Plymouth's low delivered price... balance in very low monthly instalments.

See the Special Values in Plymouth Used Cars All Plymouth cars-new or used-are backed up by the same great engineering. See your Plymouth dealer for big values in used Plymouths.


THE GREAT 1939 PLYMOUTH gives you time-proven hydraulic brakes . . . a completely rust-proofed Safety-Steel body.

-DELIVERED IN DETROIT, including front and rear bumpers, bumper guards, spare wheel in front tube, foot control for headiight beam with indicator on instrument panel, ash-tray start at $\$ 645$; "De Luxe" models slightly higher. Prices include all federal taxes. Transporta tion and state, local taxes, if any, not included. See your Plymouth dealer for local delivered prices. PLYMOUTH DIVISION OF CHRYSLER CORPORATION, Detroit, Michigan. TUNE IN MAJOR BOWES' AMATEUR HOUR, COLUMBIA NETWORK, THURSDAYS, 9 TO 10 P. M., E. S. T.

RETIRE ON \$200 A MONTH


HOW A MAN OF 40 CAN RETIRE IN 15 YEARS

I'LL DRAW an income of $\$ 200$ a month for the rest of my life, as soon as I retire," said a certain man, talking of his future plans.
"How can you manage it?" asked another man.
"It's easy," said the first man. "I'm buying a Retirement Income on the installment plan. My income of $\$ 200$ a month begins when I reach retirement age, and it's guaranteed for life. And I get it whether I quit work or not.
"What's more, if I should drop out of the picture before my retirement age, my wife would get a reguar monthly income for life."
"That sounds good," said the other, "but what if you're totally disabled and can't make your payments?"
"I don't have to worry about that either. If, before I reach 55 , serious illness or accident stops my earning power for six months or more, then -so long thereafter as I remain disabled-I don't have to pay any premiums that fall due, and Ill get a Disability Income, also."
"Fine. Can you tell me how much this new Retire-


A modern extension of garden club activity that is rendering valuable public service and proving a real civic asset. . . . FRANCES HANNAY

The Garden Center represents a new and advanced step in garden club activity, and already shows tangible results as a valuable method of disseminating garden information and in creting civic beauty-and, incidentally, increased real estate values. A center may be defined as a clinic or headquarters where gardening instruction and inspiration are available to everyone free of charge. While centers are organized by advanced garden club groups, they are designed to reach and meet the everyday, practical needs of large numbers of average citizens. To Mrs. Frederich Fisher of Hackensack, New Jersey, goes the credit of originating and organizing, in 1929, the first Garden Center. A pioneer in the movement (which has spread throughout the country until there are now more than 200 established centers), Mrs. Fisher has been an inspiration for countless garden clubs.
In any community those who organize a center strive to meet the requirements and special problems of their particular section. Established and successful centers are now to be found in Cleveland, Buffalo, Atlanta, Memphis, New York, Pittsburgh, and other cities, and a visit to any of them will be profitable and inspirational. In many places, park boards, chambers of commerce, city councils, and school boards, convinced that the movement makes for better citizenship and a stimulation of community pride. have assisted the garden clubs in establishing permanent quarters.
To appreciate fully the civic value of this movement, one must comprehend the scope of the activities which emanate from it. On the basis of an extensive survel of various outstanding centers, the following services appear to be particularly stressed:

1. Practical instruction is given regarding all phases of gardening and horticultural subjects. Information of a general nature is translated to suit local climatic and soil conditions. Practical demonstrations illustrate the uses and effects of fertilizers, sprays, pruning systems, etc.
2. Better development of home grounds and civic projects is encourage. Right and wrong arrangements and methods of using trees, shrubs, bulbs, and plants are shown in pictures and examples of actual plantings. Informadion concerning home and street planting, municipal gardens, etc., is employed to stress greater civic
beauty, neatness, and cleanliness.
3. A reference library is maintaine of specialized books, manazines, and catalogs which furnish practical and thorough informadion on a wide variety of horticultural subjects. This service fills a great need, as few libraries are able to keep complete files on gardining topics, and individuals usually search in vain for recent information regarding a rare plant, specific horticultural data, or material for a club paper.
4. Lectures and instructive talks are given by experts on matters of interest to gardeners. Local specialists in various horticultural lines (landscaping, the growing of the iris, dahlia, lily, or rose, tree care, etc.) are asked to talk informally to interested groups.
5. The center acts as a clearinghouse for accurate and up-to-date gardening information adapted to the vicinity. Recommended dates for seed sowing, bulb planting, dividing and transplanting, pruning and spraying are furnished to the public and a bulletin board presents seasonable information including notices of flower shows, garden contests, and plant exchanges.
6. The center provides a place where those interested in horticultore and gardening may meet and discuss mutual problems. A paid trained worker, in addition to one or more volunteers, should be on hand to assist amateur gardeners and lead discussions of experiences with different kinds of plants. problems of pest control, and various forms of horticultural experimentation.
7. Exhibitions of subjects allied to gardening are held. Examples of flower arrangement, collections of plants for shady places, new varieties of annuals and peennials, herbs, . ferns, succulents, flowering shrubs, and even modern garden tools are exhibited. In such cases, plant material is fully and accurately labeled.
8. The center works with childree in the schools and interests them in the use of its library. Vitalized nature study, which popularizes outdoor interests, is the principal aim of the committee in charge of the junior work. Future gardeners are taught to recognize and enjoy flowers and trees through the study of leaf and plant. Specimens of garden handicraft, including bird houses and simple garden accessories made by children, are displayed from time to time.
9. The promotion of public in[Please turn to page 72]


## Just howsafe" are Mothers Arms?

## Love can't keep out germs . . .

 it takes constant watchfulness. "Lysol" will help in many cases.BABY trusts in Mother's arms to protect her from the dangers of this strange big world! But even Mother's love can't keep out germs.
One of the important defenses against the
risk of Infection is constant, daily hygienic cleanliness. "Lysol" is a valuable aid in achieving hygienic cleanliness. It is used for that purpose in hundreds of leading hospitals, thousands of modern homes.
"Lysol" is efficient, effective, economical. It does not lose its strength no matter how long you keep it, or how often you uncork it (as some products do). "Lysol"


IN DAILY HOUSECLEANING Disinfect as you clean-use "Lysol" in the water, to mop floors, walls; to wipe furniture, stair rails, door knobs, etc. .to rinse brooms, mops, cloths.


IN THE BATHROOM Keep your bathroom wholesomely clean; wash floor, tiling, tubs, toilet, wash basin daily with "Lysol" in water to deodorize, clean, disinfect.


IN THE KITCHEN
Where the family's food is prepared bygienic cleanliness is most important. Use "Lysol" to clean sink, drainboards, shelves; and to rinse garbage can daily.


IN THE LAUNDRY Especially during sickness, disinfect the laundry. Clean washing machine, wringer, etc., with "Lysol" solution; soak laundry overnight with "Lysol" in water.
is concentrated...it is still an active germicide when diluted with 100 parts of water. Directions for many uses with each bottle. At all drug counters.

Also, try Lysol Hygienic Soap for bath, hands and complexion. It's cleansing, deodorant.


## BEAUTY in the GARDEN <br> -for you and your figure

ANNE M. HALLADAY

DID you ever stop to realize that all those boring "Keep slim!" exercises that we hear so much about these days may be incorporated in the activities that go to build a successful garden? When you play tennis you only play tennis. When you swim you only swim. Each delightful exercise brings the gratifing reward of hardened muscles and the slim lines that go with them, but that is all. Gardening, however, brings you two rewards-a bright ballet of flowers along the backyard borders and that coveted slimming of your own lines besides. In other words, you may get rid of those ugly bare spots along the back fence and those persistent bulgings along your waistline with one and the same spadeful.
Whether you are measuring sidewalk space between the gate-

posts, spading around the peonies, or raking up the winter's accumulation of leaves and what-not, you are accomplishing all the many bending and twisting exercises that go to make the daily dozen and the streamlined silhouette that we all seek to have and to hold. Watch your methods that you may receive double benefit.
For, after all, in the garden you must do exactly those things the radio manufacturers are trying to avoid for you. You must stoop, you must squat, you must squint. More than this, in the garden you must stretch for good measure.
You stoop, for there is the spading, the bending over to make the seed rows, the picking up of
stray branches from the lawn or nipping off dandelion heads against their propagating a million up-spring. But in your zeal, remember! Do not bend the knees! Instead, take your bow standing as it were. Then your efforts will become a pleasant and profitable way of doing the "touch-your-fingers-to-the-floor-ten-times" exercise that pulls at the back muscles and takes pounds off the equator.
You squat, for there is that bunch of last year's grass hugging your favorite bleeding heart. Dig the brazen thing out and show it its proper place on the compost pile. But be sure that you squat to do so! Do not sit! Squatting may make you puff and groan at first but at the same time each squat will squeeze-squeeze those fat cells above and below the beltline until they decide to move out.

Weeding, that continuors allsummer fight to preserve beauty in your garden, takes on a pleasant gratifying something when with each pull at stubborn roots you feel the added pull of back m'scles. You know it is peeling off poundage. So squat to seed, squat to cultivate, squat to weed. In fact the more squat the less squirm when you look into that full-length mirror.

On the morning after the first
day you may feel that your only recompense is a lame back and aching muscles, but do not be discouraged. Be strong-minded and persistent instead. In spite of sinews that cry for the liniment bottle, in spite of bones that creak at each reluctant step, go back to the scene of the crime and repeat the stoop and squat routine. The stiffness and the aches will soon disappear.

Y$Y$ wh squint above that spot where you sprinkled foxglove seeds weeks before. Will th:ey never come up? Squat and squint to your curiosity's content. One day unbelievably tiny sprouts will draw a fairy stripe across the brown earth. Squint that you may have the first full joy of discovery. For, after all, is there not a certain rich beauty of contentment in the faces and eyes of women who have squinted at seed rows, at curling sprouts, at the robin atrill on some high branch after his daily splash in the bird-bath?

You stretch, for the pussy willows need pruning, or the sumac sprawls to threaten your iris. Instead of running to fetch the stepladder, stretch to trim and train that honeysuckle which has decided to make heaven at a single bound from off the top of the trellis. Stretch, that is, if you are wise to beauty about the armpits.

# Not one case of excessive shedding in <br>  

Test with 230 dogs in Swift's Research Kennels proves exclusive Pard-andwater feeding prevents many common ills!

- Suppose you started today to feed your dog exclusively on Pard and water. Then in turn fed descendants of his from weaning time in just the same way. And kept it up for 4 generations. You'd know a lot about Pard and its ability to maintain health, wouldn't you?

That's what has taken place in the Swift Research Kennels. 230 dogs, representing 4 consecutive generations, have
digestive disturbances. And every one has shown an above-normal growth!
For vigorous health and growth, feed your dog Pard exclusively. Start now!
Winners in Pard's Puppy-Naming Contest! $\$ 5,000,00$ FIRST PRIZE: LENA D.MCCAULEY, 1408 Sutherland $\$ 5,000.00$ FIRST PRIZE: LENAD.McCaULE,
Place, Birmingham, Alabama. $\$ 1,000.00$ Second Prize: T.D. Roe, Denton, Maryland. $\$ 500.00$ Third Prize: Hazel B. Ernst, 7409 Fronklin Blvd., Cleveland, Ohio. The 75 other winners have been notified by mail. been fed on Pard and water exclusively And here's what the findings show .

Not one of the dogs in this study has shown any listlessness, nervousness, excessive shedding, or dietary skin irritation. Not one has had a sick day due to

PARD RECOMMENDED BY MANY LEADING VETERINARIANS CRUSADING AGAINST HIT-OR-MISS FEEDING! Dr.J.R. S., of Illinois, says: "Hit-or-miss feeding is the real basic says: "Hit-or-miss
trouble in 9 out of 10 of the malnutrition cases trouble in 9 out attention." In such cases, Dr. S recommends an exclusive diet of Pard.

Great-grandmother Cocker Spaniel
in Pard Feeding Test in the Swift Research Kennels.

A SWIFT \& COMPANY PRODUCT

Regular chemical and biological analyses assure uniform balance in Pard. Weight, appetite, and growth of the Pard-fed dogs in Swift's Research Kennels are charted regularly by Swift Scientists.

## Trom moxe than tooo bcautifiul IMPERIAL TABLES

## $12 \mathrm{~N}_{\text {ew }}$ Masters Pieces

 $S_{\text {martest }}$ Tables of the $\mathrm{Y}_{\text {ear }}$Priced from $\$ 14.75^{*}$ to $\$ 39.50^{*}$

To you . . . the discriminating homemakers of America . . . we present this first fashion showing of the twelve beautiful new MASTERS tables ... now being featured in a special group showing by your leading furniture or department store.
This brilliant new MASTERS group exemplifies the most popular patterns in Imperial's entire line of more than 1000 fine tables. The individual pieces are smart, appealing and practical beyond the powers of description. Months of research preceded their creation - to determine just which styles, types, woods, and sizes of tables are most in demand for today's homes. Then this new MASTERS group was meticulously developed.
The MASTERS pieces reflect faithfully designs of 18th century English and American masters. They are made of choice mahogany, characterized by true Imperial artistry, constructed and finished to provide lasting enjoyment and pride in your home.


*Prices slightly higher at distant points.
See the special group showing of these beautiful new MASTERS tables at your leading furniture or department store, where they are now being featured. ASK FOR THEM BY NAME. Your dealer will gladly aid you in your selection.
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FURNITURE
COMPANY
GRAND RAPPIDS
MICHIGAN


Ono of America's leading manufacturers of fine ranges-The American Stove Company of Cleveland, obio-designed a special Magic Chef Range for the
Monel Duocrat illustrated above.

# "HERE WE ARE TOGETHER".. 

say the Sink and the Range, "To Save you Thousands of Steps"

AKITCHEN romance with a happy ending-for you! The sink told the range that "two could work better as one." So now they're joined for life in the new Monel Duocrat. And the tie that binds is a smooth, seamless expanse of silvery Monel.

Everything that goes into this step-saving Duocrat is asfine as fine can be. Its range is a specially designed Magic Chef-a CERTIFIED PERFORMANCE range. The onepiece Monel sink and range top and the steel base cabinet (with loads of storage space) are made by one of America's leading manufacturers of kitchen equipmentthe Whitehead Metal Products Company.
Monel is the ideal metal to do double duty on the Duocrat. Water
from the sink cannot rust Monel -not in a million years. Hot pots leave no black marks and the heaviest skillet cannot crack or chip Monel. As for stains - they simply don't "take" on Monel. They cannot penetrate it. So they are easily and quickly removed with common household cleansers.
The Duocrat* illustrated above is 108 inches long. For the smaller kitchen, there is a standard model 72 inches long. Other sizes from 48 to 168 inches are also available. See your local gas company or plumber for full information. Or write to the Whitehead Metal Products Company, Inc., 303 West 10th St., New York, for the name of the nearest Whitehead dealer.
THE INTERNATIONAL NICKEL CO., INC. 73 Wall Street New York, N.Y.
${ }^{*}$ Reg. U. s. Pat. off.


Garden of Mrs. H. K. Noyes, West Newton, Massachusetts

## CONTENTS

National Edition

## APRIL, 1939

VOL. XXI, No.
Cover Design: Flowering Cherries
Color Photograph by Garret P. Stack from Lukens and Pattison
The Garden Center. Frances Hannay
Beauty in the Garden--for You and Your Figure Ane M. Halladay
Theres Been a Revolution in Growing
The Garden Center
Beauty in the Garden-for You and Your Figure . Anne M. Halladay
Theres Been a Revolution in Growing
There's Been a Revolution in Growing
Rhododendrons!
T. Mckean Mowns, M.D.

An Amateur's Roses
Outgrowing Forsythia
An Architect Builds His Own
Reading in Bed
From Hungary Come These Gay Suggestions In the Best Traditions of New England
Modern Adaptation of Colonial Gardens
Running a Library to Buy More Books
"Mummie, Please Leave on the Light Pioneering in North Carolina
Hobby Rooms for Hobbies
Mary B. Thayer
Charles B. Coates

Never Made for Sale
Achievement Medals Awarded in 1938
Space Saving and Money Saving
Have You a Garage in Your Garden? Crafty Corner
Texas Ranch House Rally ary Eleanor Reese

A Spring Garden
Irina Kbrabroff

Decorations Ad Lib-
A Reader's Home in Wellesley, Massachusetts Song of Stones

Virginia H. Small Fanny Scannell Helen Riddle
Paul Dillard Gamble

These Thrive on Stones!
Margaret McKenny
Problem: A Small House, A Great Deal of Room Anderson McCully Old-Fashioned Charm with New-Fashioned
Convenience
Harold Donaldson Eberlein
Let's Do Something Special for This Year's Easter Breakfast
c. C. Harrington
E. L. D. Seymour
E. C. E. Lauterbacb
mily Seaber Parcher
Juliet B. Pickett
[Please turn to page 10]



AVE MONEY by reading Mueller's FREE BOOK, "The New rrend in Home Furnace Design." It gives you a clear picture of the mazing developments in home furnace construction - tells how to uard against making a mistake when purchasing your new heating lant; how to save money on installation; how to cut costs of operation.
Iueller is the logical company to prepare "furnace buyer's guide," because Mueller pakes the most complete line of home eating equipment in the industry - for oal, oil and gas. They have no axe to grind or any single fuel or any single system.

> MUELLER SHOWS HOW TO ENJOY AUTOMATIC GAS HEAT AT NEW LOW COST


Mueller's Patented Oil Furnace provides complete winter air conditioning. It circulates warm, filtered, humidified air to every room. Revolutionary design cuts fuel costs so low that air conditioning can be had at no extra cost. Mueller book gives facts.


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${ }_{2}^{2}$ Be sure to get your heat-ing-dollar's worth. Send for this book. Reliable heating guide. Illustrated. Clearly written. Send coupon below.

Mueller Gas Era is the only furnace with Heat Speeder, the unit which sends heat o rooms 6 to 8 times faster than old type gas furnaces by actual stop watch test. ExElusive Modulating Valve, available only on Mueller equipment, provides continubus, not intermittent "on and off heat." Operating costs are amazingly low.
Mueller has also pioneered air conditioning for the home. Read about this vital subject in the new Mueller book.


1 Coal Heat. Furnaces have been streamlined and modernized. Mueller's new coal furnace for stoker firing is self-cleaning, does away with the problem of fly ash. Also simplifies removal of clinkers. Exclusive design brings economy, too.


2Oil Heat. Mueller's Pressure Atomizing burner ends fuel waste-turns every tiny drop of oil into useful heat. Secures an economy of operation heretofore unknown.


## 3

 Gas Heat. Mueller Climatrol, Air Conditioning Gas Furnace, brings fully automatic heat and winter air conditioning in one compact unit. Heats, filters, humidifies and circulates the air within the home. Operates at amazingly low cost, due to exclusive Mueller features. For small homes, Mueller offers Climatrol Jr.
## mueller © muwhuta

## HEATING AND AIR CONDITIONING COAL•OIL•GAS

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I'm interested. Please send me "THE NEW TREND IN HOME FURNACE DESIGN"; also literature describing

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\square \text { Oil Furnaces } & \square \text { Gas Boilers }
\end{array}
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Name
Address
City State

# $H_{\text {rash }}$ <br> <br> TO GIVE YOU LOWER <br> <br> TO GIVE YOU LOWER COST PER MILE! 

 COST PER MILE!} Stippedupmalue

IT'S front page news for car owners when a new improved tire sells at a lower price than the tires it excels.
That's the nutshell story on this stunning new Goodyear "G-3" All-Weather-for years the world's most popular tire. We've stepped it up in all-round performance - cut its cost to you!

Just for example, we'vestrengthened it with a sturdier new lowstretch cord that affords greater protection from bruising and blowouts.

1839 - CENTENNial OF RUBBER - 1939
 Just xoo years ago
Charles Goodyear Charles Goodyear dis-
covered vulcanization covered vulcanization and made possible the modern rubber industry.

Getting new' $\mathrm{G}^{\prime} \mathbf{3}^{\prime} \mathrm{s}^{\prime \prime}$ is like putting money in the bank

We've adopted a new ply-construction with more cords per inch-making a firmer, more compact tire that gives you tougher, longer wear. It delivers more miles, by actual test, than even previous record-breaking "G-3's."

And to make the new 1939 "G-3" a stellar value of rubber's centennial year, we've reduced the price you pay - on the old American principle that the way to increase sales is to offer higher value at lower cost.

It's the "most" tire ever offered at its price-all Goodyear dealers have it.


MORE PEOPLE RIDE ON GOODYEAR TIRES THAN ON ANY OTHER KIND


CONTENTS, Continued from page 8

Minimum Space for Maximum Convenience
Easter Means Vacation-Vacation Means Parties
Get Every Penny's Worth! No. 2
A Casita in New Mexico
Ethel Owen Adair 49 A Casita in New Mexico
by Proxy Buried Bells
My Husband Planned a Man's House
I'm for the Amaryllis, Too
Smoke House into Doll House
The Cat in Decoration $\qquad$
The Metamorphosis of a Minnesota Farmhouse Knotty Pine for Rustic Walls Knotty Pine for Rustic
A Beach Home in Hawaii Georgian Adaptation

- Louise P. Bell

Dorothy Trevor Cbarlotte Montgomery

No More Closet Excuses
Antidotes for a Wet Basement A Small Business Center for a Big Business Believe It or Not-It's the Same Kitchen The Diary of a Handyman Commonplace to Charm
As Good as Old
A Rectory Garden
What You Should Know About a Septic Tank New Table Settings
Spring Lures for Footloose Gardeners A Summer House in My Garden

Mrs. O. H. Snyder Mrs. G. H. Warne
Susan Jones Medlock
Constance Waddell Winde
Polly L. Rotb
Mrs. J. Hatbryn Cutlar Mattson 88
V. T. H. Bien 94 Ethel Owen Adair 104 Leila A. Harchol 107 T. E. Whittlesey 108 T. E. Whittlesey 108 Elizabeth Low 110
Eleanor Ransom
111 Gwendoline Keene 114 Ernest Bogert 118
E. L. D. Seymour 125 Chesla C. Sherlock 132


## Mrs. Jean Austin, Editor

E. L. D. Seymour, Horticultural Editor Charlotre. E. Conway, Associate Editor
W. M. Mehlhorn, Building Inquirie

Frank A. Eaton, Att Director Mary E. Monlan Bourne, Home Economist Mary E. Monze, Decorating Inquiries

Letters requesting information should be accompanied by a stamped, addressed envelope

[^0]
divorced from the road. No wailing of wind or rumble from below break the spell of this glorious day. Such moments can last forever! For even if spring is a fleeting thing, from this day on, you'll know no more cold, chilly drafts, or dust-thanks to the automatic Nash "Weather Eye"*. It's always spring in a Nash!
Yes, a Nash is as catching as measles, and twice as hard to quarantine.
The driver's seat of a Nash is very easy to get into, but, somehow awfully hard to get out of!
But, that's all right, because-
Ten models are priced right next to the lowest . . . and the facts about Nash value are amazing! Wait 'til you see the X-Ray System at your Nash dealer's.

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Models . . Priced next to the
lowest . . Delivered at Factory, lowest . . . Delivered at Factory,
as lowas $\$ 770$. Standard Equipment and Federal Taxes Included.
(•Optional Equipment-Slight Extra Ch


LEAVE THE OTHERS behind . . . new Nash "pick-up" of 15 to 50 MPH , in 13 seconds, high gear. New economy $10 \%$ better than last year.



## and a lovelis lawn...

The plant at the left below was fed all eleven elements plants require from soil. The others received all except one element, as indicated.

Result? In sturdiness, beauty, color, or number and size of flowers, none of the incompletely fed plants was at all comparable to the completely fed plant.

If even one of the eleven vital elements is lacking, growing things simply cannot thrive! So feed everything you grow a "Square Meal" of Vigoro, the complete plant food that contains all needed food elements in scientifically balanced proportions.

Vigoro has brought success to millions of home gardeners. It is so economical and easy to use that it is the world's largest-selling plant food.

Order Vigoro now-4 pounds per 100 square feet for your entire lawn and garden area. It assures your success


## Easier, more economical to feed your lawn early!

Save money, time, effort by feeding your lawn early with Vigoro, the complete plant food! Plant food gives you far better results, per pound used, if you apply it before the grass starts to grow. Early feeding gives your grass such a sturdy head start that it helps choke out weeds. It's easier, too. No watering in is necessary, for spring rains carry the Vigoro right down to the roots, ready for use when growth begins. Act now! Give your grass a "Square Meal" of Vigoro right away-4 pounds per 100 square feet of lawn area.


Is it any wonder that gardeners the country over yearn for more rhododendrons? This study, from a natural color photograph taken in Tennessee by Mr. O. C. Falkovich, is of an exceptionally fine wild plant of the R. catawbiense type. The nursery-grown named hybrids discussed by Mr. Nearing, equally beautiful in form, offer a range of pure, brilliant colors and are highly adaptable garden subjects

# There's been a REVOLUTION in growing <br> G. G. NEARING 


#### Abstract

This is a scoop! It is the first published announcement to a plant-hungry, garden-loving public regarding the new method of propagation developed by Mír. Nearing, and which promises the happy consummation of more finer rhododendrons in American gardens


THere are about two thousand kinds of rhododendrons, including the garden hybrids and the many wild species from various parts of the world. They vary enormously in size, color, hardiness, and divers other qualities. What gardeners want are the few best kinds, the beautiful garden hybrids, long-leaved evergreen shrubs with brilliant flowers, especially the red ones, which make so magnificent a display over Memorial Day, chiefly on the estates of the wealthy.

Yet most of the rhododendrons planted are not these fine varieties, but wild shrubs from the mountains, which, where they thrive, have large, glossy leaves, but few blossoms, and they are small and pale. Why are these less desirable rhododendrons planted instead of the choice kinds? Because they are much more plentiful and can be picked up by the thousand in our woods and sold for the cost of collecting and transporting. The choice garden varieties must be propagated in a nursery-and not at ordinary nursery costs, but more expensively, for they have always been difficult to propagate, requiring expert handling and elaborate care over a long period.
Years ago they were imported from England and Holland, where millions of plants were grafted. Then a quarantine cut off the supply, prices soared, and even those who could afford to buy found few plants available. Grafting had been little practiced in this country. Foreign propagators who came here hoping to fill the demand, found new difficulties which made their work much more expensive than it had been at home. Pronagation by layering also has been tried successfully, but while it produces a better plant than grafting, it does not greatly lower the price. And unless the price can be lowered, the choice varieties will never be extensively planted.

To graft, you cut a twig from a desirable hybrid plant and make it unite with the root of a sturdy, vigorous but otherwise worthless seedling. To layer, you peg down stems of the desirable plant along the ground and when, after two years, roots form along the branches, you cut them into a number of parts, and handle each as a new plant. Cuttings are twigs thrust into moist sand or soil, where they form roots of their own. Plants develop from cuttings more slowly than from grafts, more quickly than from layers, more cheaply than from either. In the case of the rhododendron, plants from cuttings are equal to the best.
Rhododendron grafting is done by expert professional horticulturists. The grafts are made in the greenhouse and kept there in glass cases, where temperature and moisture can be carefully controlled, for many weeks. Even so, the best efforts often fail. Add up the cost of equipment, labor, heat, and losses, and you have an mitial figure so high that the grafted hybrid rhododendron cannot be made to pay at popular prices.
So great is the demand for cheap hybrids that millions of seedlings have been grown and sold as hybrids

Special type propagating frames as used in the new method, facing north and screened to exclude direct sunlight. They have solid wooden bottoms. Here the soil has not yet been leveled off around them

## RHODODENDRONS!

which, strictly speaking, they are, but horticulturally most of them are no better than the wild plants. A named hybrid is simply a seedling selected from among thousands, or hundreds of thousands, because it is the finest of them all. Most of the others are trash; a few may be good, but not equal to it in the judgment of the hybridizer. This hybrid individual, called Kettledrum, for example, is then propagated so that every plant sold under that name, whether grown from a graft, a layer, or a cutting, is actually a twig from the original, and exactly like it. But seedlings of Kettledrum are not Kettledrum; for the most part they are fit only to be thrown on the trash heap, and to buy them as "named varieties" is a great mistake.
It has long been believed that a successful method of growing hybrid rhododendrons from cuttings would lower the price of plants even better than grafted stock to a point within anybody's reach. Rhododendron cuttings have occasionally been rooted, but only in small quantities, never enough for commercial use. A cutting-grown plant, though better than a grafted one, is no better than a layer-grown one, and there is no great saving unless a majority of the cuttings root. A
[Please turn to page 129]
Here is a rooted cutting of a named hybrid rhododendron just as removed from the stratified medium in the propagation box as shown at the right. Note the large ball of soil entirely filled and held together with Iusty root growth


Ihave always been to a slight extent associated with roses. When I was a small boy, Mother had a few rose bushes, and the number later increased. What a trial they were! There were constant watering, spraying, fertilizing, worrying; and there were a few blossoms, too. It didn't seem worth while to me. Why fuss over such delicate, troublesome plants that were all thorny anyway?
So when I had my own home, there wasn't a rose. The few that were on the place when I took it were rooted up. That lasted till 1926, when I moved. Shortly after moving I spent some time in the hospital, and someone gave me Mr. McFarland's book, "The Rose in America." Having nothing to do and lots of time to do it in, I read the book and was impressed with its good sense. According to the book, rose growing was simple-anyone could do it. There seemed to be only three general classes of troubles-fungi, sucking insects, and chewing insects, and they could easily be kept in check. Elaborate and expensive methods of soil preparation were unnecessary. All this made sense.

As a country boy, raised on a farm, I learned a certain amount about growing plants. I know that a growing plant needs light, air and water, and a fertile soil. On the farm, we didn't fuss much about special fertilizers for special crops-fertilizers were rather looked at askance in my day. We put on manure, and occasionally lime, and got good crops. And now, here was a book saying in essence that a rose was a growing plant, needing only to be treated as such, and not some delicate organism requiring to be coddled and petted and sat up with at night.

Apparently rose growing was a hobby that a busy surgeon could afford to be interested in. My place was on a steep hillside, facing south, in Chestnut Hill, Philadelphia. The soil seemed to be good, judging from the growth of weeds. In my youth, we always felt that if a field had strength to grow tall vigorous weeds, it would grow good crops. So, after much puzzling over catalogs, 1 ordered one hundred bushes from a well-recommended nursery.

The bed was a long narrow strip, terraced on account of the slope. I prepared it as one would a vegetable gardenwith a good application of manure, well dug in. In due course the plants came-splendidly packed-and were planted 18 inches apart in two rows also 18 inches apart. As we had always had better success on the farm with fall rather than spring planting of trees, I planted my roses in the fall, banked them with soil, and, when the ground froze, covered them thickly with litter. When spring came, only two of the entire purchase of the one hundred plants were dead.

Since that original garden, I have moved twice, each time making a new start. I have at present only thirty hybrid teas and a few climbers, but what a show they make! The present plants are four years old, except six planted last fall to replace some that were not attractive and were therefore discarded. None have died.

For the benefit of any one interested I give my methods. Fall planting works well for me; so, some time before planting time, the ground is well dug, as for corn or potatoes, and a good dressing of manure is worked in. From habit I prefer cow manure and am so situated that I can get it. As manure from my homing pigeons is also available, that is used, too. Then the plants, when they arrive, are planted carefully, 18 inches apart each way, in a long narrow bed for easy access. Soil is piled about each bush to about 10 inches, and after it freezes, hay or straw is heaped on thickly-a foot or two deep as a general rule.

This protection is repeated every fall. 1 doubt the necessity of the straw, for the plants die back to the soil level anyway; but it seems to do no harm. With such protection, my roses endured 22 degrees F . below zero in the terrible winter of 1934-1935. Mice, which seemed hard pressed for food, girdled some; but the creatures were not able to get much below the soil line, and no roses were killed by them.
The protection is removed in the spring on a dull day and, if possible, when a spell of rain seems imminent. My ideas as to the time to do it have changed. At first, following advice, I left the protection on till the middle of April, the idea being to hold back the new growth and keep the plants dormant as long as possible. But the rose is a hardy creature and won't stay dormant. Always there is more or less growth of long white sprouts that get broken off or dried up or frozen by a late frost. Sometimes plants that had come safely through the winter have been killed a short while after removing the winter protection. Last year I did differently and removed the mulch and mounds of soil early
[Please turn to page 99]


## T. Gotiscio

## Outgrowing FORSYTHIA



Elder-a roadside weed-makes a fine dooryard shrub

Firethorn (which is Pyracantha coccinea) espaliered on a garden wall, as seen here, may be a bit more advanced than Miss Thayer's suggestions-but isn't it lovely?

$I^{N}$n making horticultural progress, one starts with a primary course just as in any other branch of study. Some of us, alas, never progress beyond the fundamentals. A few real students pursue the farthest ramifying branches of the subject, but most of us halt midway and acquire just enough knowledge to suit our busy minds which, it seems, must know a little something about many different things.
The beginning of a horticultural education is made when a person, anxious to improve the appearance of his yard, sets out some bushes of forsythia and Van Houtte spirea-admirable shrubs, both, but distinctly of the "primer" type. Incidentally, it is interesting to note how fashions in horticulture have changed even as fashions in education. A generation or two ago, the horticultural primer consisted of flowering almond and bridalwreath, as you can see if you drive much in the country in early spring.
But that is beside the point. Having become familiar with the primer and wanting to learn more, do you look with dismay at the advanced textbook-the nursery catalogue? Perhaps the names look queer; probably you hardly know which to choose among so many offerings. Well, the following notes may simplify things for you. I have chosen plants that are not necessarily new, but which are uncommon enough and attractive enough to deserve more popularity. It is a good introduction to still better and rarer shrubs.

## Lawn specimens

Now, don't let that title make you panicky. Those of you who live in the city are probably thinking of your pocket-handkerchief of green. and I don't mean to suggest that you plant any shrub, even the finest, where it would look crowded. But why not use one or two fine specimens against the house foundation instead of planting the thick, even band of assorted evergreens that all too often chokes city homes like an oversize muffler? This fad has been in vogue long enough so that one can see places where a badly-chosen foundation planting has become a barrier across the entire façade of the house. How much more satisfactory would be one or two choice shrubs, well placed, perfectly grown! For such a situation, or for use on a larger lawn, the following shrubs are excellent:

Tree clethra (Cletbra barbinervis) is a relative of our own sweet pepperbush from eastern Asia. It is rather handsomer than the native shrub, however, for the leaves grow in whorls which gives it a more interesting texture. It is compact and bushy with branches clear to the ground. It flowers late, like its cousin, which is another point in its favor, and its flowers are similarly white and deliciously scented.

If you like flowering dogwood (Cornus florida), but feel that it is being somewhat overdone, why not plant the Kousa dogwood (C. kousa), from China and Japan? You will enjoy seeing it flower after our native dogwood has gone by, and while the blossoms resemble those of that plant, the white bracts, instead of being broad at the outer edge and notched, are slender and pointed, more like the petals of a flower. It is perfectly hardy and grows to be a small tree of c.bout 20 feet, or it may be kept in shrub form.

A very choice shrub is the redvein enkianthus (Enkiantbus campanulatus), also of Japanese
[Please turn to page 122]


Pbotograpbs by Danie! R. Merrill

## An Architect Builds His Own

ONCE in the lifetime of every architect comes the supreme privilege of designing -unfettered by clients' demands-a home of his own. And the result is almost always something noteworthy.
Mr. J. L. Berrall of Montclair, New Jersey, had to know "all the angles" before he could build on the beautifully situated but oddly shaped plot he had chosen high in the Orange Mountains about fifteen miles west of Manhattan. He had set himself a real challenge and he is frank to admit that he had to sharpen his pencil more than once before he found a design which conformed to all zoning restrictions and yet took full advantage of the
rare and desirable qualities of the site.
Mr. and Mrs. Berrall now "look down" on $12,000,000$ people from a point roughly level with the sixtieth floor of the Empire State Building in New York City (which, incidentally, they can see on a clear day). Their new home, admirably adapted to the limitations of the shelflike lot, is likewise perfectly suited architecturally to the scene.

Briefly, let us turn back to 1934 when Mr. Berrall surveyed his recently acquired homesite and decided what to do. It was plain from the start that anything in the nature of a low, rambling house was out of the question, even though the space requirements, as it hap-
pened, were rather exacting for a small house.
The ultimate happy choice was a New England Colonial design, its severity relieved by a low white fence, white shutters, and white trim on the terrace enclosure and garage. The trees and the cliff to the rear overcome the top-heavy effect which you might fear in a house so tall on a lot so small.
The house itself is dark green. Be sure to bear this in mind when considering the accompanying photographs for this is one instance

## J. L. BERRALL <br> Architect and Owner




SECOND FLOOR PLAN

The well spaced living-dining room, partly pancled, partly papered, accommodates music and study groups


The bright, neat kitchen has an interesting knife-and-fork decoration and amusing inscription over wh


The flavor of the original Colonial interiors is successThe flavor of the original Colonial imple stair railing
fully caught in details such as this simplemer
in which black-and-white actually fails to do justice to the subject. Look again at the illustration and picture the gay white shutters contrasted with the dark green of the cedar clapboards of the outer walls and balanced by the gray of the slate roof. All this in turn benefits by a color contrast with the cliff in the background.
Returning for the moment to 1934, the reader will recall without difficulty that that was a year in which the home-builder's budget was by no means bloated. Architect Berrall had to use all his wits to complete a house which met his special requirements at a total cost under $\$ 10,000$. But he succeeded.
Now let's step inside and see what this modest appropriation obtained. On the first floor a spacious living room, worthy of a much

## Well-proportioned stones face the fireplace and hearth. Wood paneling over the mantel conceals a secret cabinet


larger dwelling, runs the full width of the house. This effect was gained at the cost of a well-considered sacrifice-there is no dining room. However, the family dines conveniently enough at the open end of the living room and considers the space well devoted to its dual use.
The fireplace of a Colonial design, much in keeping with the general air of simplicity, conceals one small indulgence of the architect's penchant for gadgets. You would never guess it, but there is a secret cabinet behind the panel over the mantel on the extreme left. It can be opened, however, only by pressing a hidden catch inside one of the two attractive built-in book cupboards which flank the fireplace.
Another pleasing gadget, not visible to the camera's candid gaze, is a trapdoor in the living room floor through which logs may be passed [Please turn to page 104]
A low gate leads from the garage to the kitchen and side enclosed porch. The overhanging window displays old glass


## Reading in Bed is no longer

## a Pain in the Neck

Prop-up pillow with arms has a pocket where you keep magazines and papers; the hardish square pillow gives shoulder support. Reading stand with lamp holds book

I
F you like to read yourself to sleep with a fine gory murder or the latest political gossip, you deserve the best equipment possible. Reading in bed can be a pain in the neck, literally, and hard on the eyes as well. Or it can be handled so adroitly that it brings the utmost enjoyment and l.eeps you posted on what's going on in the world. That hour at bedtime may be the one interlude of a tusy and much interrupted day, so you certainly should be peaceful, completely relaxed, and comfortable.
People who take their bedtime stories seriously sometimes like to have an assortment of books handy. A bed may be designed with a shelf built into the headboard where you keep an assortment of light and heavy literature, so that whatever mood you are in at night may be gratified without tip-toeing around the house to find the book that fills the bill. Or your five-foot-shelf may hold reference books and all the paraphernalia of your craft, ready for quick consultation should one of your famous inspirations strike you just as you are on the border of dreamland. If you must have music, install one of the diplomatic radios which can
 be made to play for your ears only, without disturbing the other occupant of the room.
Reading propped up by pillows that have been scrunched into a tight little wad is all very well, but the sensible person gets himself a back-rest that eliminates all danger of cricks in the shoulders. Some of these are luxuriously upholstered; others are covered with a smart washable fabric, and are so constructed that they can be folded up and stowed away in practically no space at all in a linen closet. Since "Anthony Adverse" and "Gone With

## MARY ELEANOR REESE


the Wind" and such ponderous volumes have come into vogue, the mere act of holding a book may imply athletic prowess. If you are tearing off a pound or two of such heavy-reading at bedtime, a good firm book-rest will keep you from getting muscle-bound. One style fits snugly over your knees and is equipped with a reading light; you have only to work up enough energy to turn an occasional page. Another type has a chromium frame that hugs the floor and slips a little table over the counterpane, where you may put your books, or even a typewriter, without any pressure on the bed. Having a reading light at the proper angle is a vital step in the fine art of reading in bed. If you live alone any good reading lamp adjusted to a scientific angle that throws the light on the printed page will do. If you have a husband or wife who gets drowsy long before you have finished your reading stint, try a bull's-eye lamp that throws the light only where it is needed and leaves the rest of the room as dark as a crow. Such a spotlight may be hung on the wall or attached to the headboard. A double lamp of this type may be used between twin beds, so that one of you may read all night long if you want to without disturbing the other.

If the other half of your family is susceptible to even a flicker of light, there are eye-shades that shut out the slightest beam. One type looks like a burglar's mask and doesn't weigh much more than a sigh; another style is a thicker pouf of downy material, airy as a feather, and completely light-proof. With either of these on your bedfellow's eyes, you can burn the midnight oil with a clear conscience, secure in the knowledge that no one else is losing any sleep while you read.
Being one of the people with a love for reading until I literally drop off to sleep, all these conveniences-necessities to me-are more than welcome in my bedroom. No longer do I wake up the next morning with a solemn vow that the mystery story was good but the pain in my neck hardly worth it. My husband doesn't lose any sleep, and finds me more agreeable now that I have my way about reading in bed!

Workmanlike bedside table for heavy books or even a typewriter has a firm chromium base to keep it from wobbling, above left. If you are liable to doze off with a cigarette still smouldering, try the safety-first holder at right


Even if flat on your back, this stand adjusts to desired angle. Eye-shade
keeps yousts to dekeeps you in the dark


JUUST as proof that they are first practical and then gay, these ideas, which come from a small region of northwestern Hungary, the blue Danube, and all that, are built around the everyday things which are all in constant use. And if they are a little more attractive and therefore definitely pleasanter to use we can thank the Hungarian peasants. These people still follow the old customs and have maintained the beauty of simple handmade things, not only in the line of needlework, though the moment that a peasant, man, woman, or child is mentioned, something embroidered, crocheted, or run up with a tatting shuttle immediately comes to mind. All manner of what seems to us like ingenuity has been employed in making the ctilitarian water barrels, tubs, benches, doors, the houses themselves, and even that usually drab spectacle, the woodpile, extremely bright and decorative.

All of these suggestions are ones which can be easily adapted to many American homes. They fairly make you reach right out for a paint brush or hammer and nails, not to mention a few pots and jugs. This sort of thing is as simple as that. Any one can do it, and it will fit into almost any scheme. When you have to stack wood anyway, why not have a decorative pile somewhat like a huge beehive shown below? It involves no great amount of work, very little more time, it is lots more fun and it stays where it is put, and, best of all, it is anything but the usual eyesore. If you have a rain barrel (and as this gives the finest water in the world, you should have one), why not paint it along with the gutters, and leaders, and down-spouts, a good strong clear color which will add to the general scheme?
If you have a half dozen or more pottery plates that you are par-

## from Hungary come these Gay

By IRINA KHRABROFF



An interesting system of gutters, leaders, and optional outlets over substantial barrels and buckets for rain water. A lantern on a decorative hand-made iron bracket; handmade furniture and window box with colorful plants

Hand-made furniture and handwoven textiles. A row of pots and jugs on a narrow shelf above the doorway and window. A very handsome, carefully made woodpile that is a real addition to any landscape. Note wood bench and plantboxes

ticularly fond of, but do not use very of ten, and at the same time don't want simply to shut up in a cupboard, why not hang them in a row over a doorway or a window, as the practical Hungarian peasant does.
As long as you stick to the simple traditional peasant designs because you like them and think they are lively and gay and definitely add something to your household, you can never be accused of being "arty." That doleful word has nothing to do with anything as straightforward and direct as these Hungarian decorations, which in all probability originated because they were useful. A shelf for jugs, a rack for pitchers, and plates hanging above a doorway serve the double purpose of decoration and usefulness. Though the idea likely grew from the necessity of having some-

## Sugoestions

thing handy to the well for water, those of us who have gardens might well borrow such a one as the "pot tree" and drive a few pegs in convenient places on which to hang pots and pitchers to be used in the garden, for watering little new seedlings that demand especially tender care. Or even for holding cut flowers and keeping them fresh while they are being gathered.

The general use of growing plants in window boxes and tubs and set along window sills enhances the casual gaiety that is so much a part of these peasant suggestions. They bespeak the attitude of their originators who recognized that a great deal of work inevitably had to be done and a pleasant time doing it might as well be had.

Suggestion of a painted wall decoration, reviving a type of art very popular in peasant Hungary of yesterday. The design is easy and the color is splashed on with freedom in the traditional forms


Drawings by SIGMAN WARD



## 

$\square$
艮莌吅回


THE white－painted home of Mr．and Mrs Rowland Hendrickson on Middlesex Road at Darien，Connecticut，is traditional New Eng－ land at its very best．The house is wide and long，stretching out leisurely atop a rocky ridge at the corner of two wooded roads and sur－ rounded by tall oaks and maples．Placed as it is，the house gives the impression of being a larger home than its actual floor space would indicate，the cubage being only 13,000 feet
The house is of frame construction，with shin－ gles painted off－white，the shutters a Colonial－ green－blue in color，the entrance with its double door shielded by a latticed arbor that creates a feeling of informal，hospitable welcome．Be－ tween the main part of the house and the two－ ［Please turn to page 70］

## A MODERN ADAPTATION



## of Colonial Gardens

VIRGINIA HARRISON SMALL

Agarden of vegetables, flowers, and fruits-how quaint and oldfashioned!" of the old fashion it is, truly, but why shouldn't it be? In this day of great interest in antiques and things of the past -in this time when the greatest percentage of our homes are patterned and furnished after Colonial models-why not be old fashioned in our gardens where we are spending more and more of our time?
The simple refinement of homes of Early American and Federal days has so greatly influenced our national tastes in matters domestic that it seems strange so little of its inspiration has seeped into our gardens. Those of early America had much which might inspire us today, foremost of all being the manner in which the utilitarian was combined with the aesthetic. Planned primarily for use-not for recreational purposes, but rather for the production of food and drink-they were developed at the same time into orderly, attractive spots which had an air of wholesomeness and a distinctive charm about them.
They were laid out in definitely defined beds, usually squares arranged about a circle or central point, and divided by paths. To enhance the pattern further, dwarf boxwood hedges or herbs clipped into hedge form were used to edge the beds. The combination of vegetables, flowers, herbs, fruit trees, bush fruits, and fruit-bearing vines within the same area was a characteristic feature of Colonial gardens, made naturally so because of the increased ease with which they could be cultivated and gathered. In fact, vegetables and flowers were often combined in the same bed, and flowers were quite commonly planted under the fruit trees in the orchards. The whole garden space was enclosed, perhaps within a neat picket fence, whose perky air gave to the garden just that needed "last touch."
Not only the romance and sentiment, but also the practical workableness of Colonial gardens should interest us today. Of course the corner grocery store has made it no longer necessary for us to produce fruit and vegetables in great abundance. But who is there that does not get a thrill from pulling up tender young carrots and picking fresh green peas from the vines of his own garden? And what housewife does not envy those whose choice fruit trees yield luscious fruits for the canning kettle each year? No indeed, the day of the old-fashioned garden combining vegetables, flowers, and fruits is not yet gone. May we hope that it never will entirely leave us!
Unlike our far-thinking ancestors, we are prone to forget that even such a basically useful thing as a plot of vegetables can also be made into a thing of beauty, by the manner in which it is arranged within itself and in relation to other parts of the garden. We are also inclined to neglect the elementary laws of simplicity and orderliness, without which no design, whether for a house, a picture, or a garden,

can be truly effective. It is vital for beauty's sake to have a positive scheme for our garden, even though it be of the simplest squares-about-a-circle arrangement so popular in the days when our country was new. For simplicity has both horticultural and artistic merit.

The garden here illustrated by plan and model has just that-a definite, though simple, scheme of arrangement. It is an adaptation of the Colonial garden idea on a smaller scale and more suitable to our modern needs. The central part is left open, but, for interest, divided into grass plots, edged with little box hedges, and arranged in the manner so highly esteemed in the old fashion. These plots could be planted with flowers (either in definite arrangement-such as pink Darwin tulips with forget-me-nots, followed by other similar color combinations-or in a well planned "mixed" bed of perennials or annuals) ; they could be planted with a ground cover of periwinkle, English ivy, or violets; they could be planted with herbs or vegetables, or a combination of vegetables, herbs, and flowers; or they could even be planted solid to strawberries. But most people, perhaps, would prefer them as they are-in grass.
In accordance with Colonial notions there are plenty of fruit trees, arranged in a manner which gives pleasure as well as compactness and ease of cultivation. The lane through the trees down to the garage is a beautiful sight in the springtime; for not only do the apple, pear, cherry, and plum trees blossom forth in a cloud of loveliness but the little spring-flowering bulbs-crocuses, snowdrops, grape-

THough my children have never been afflicted with insomnia, sometimes their most brilliant ideas demand expression at night after they are supposed to be asleep. So it was with nine-year-old Jim when he called me late one evening to tell me his plan for a library, a circulating library for the children of the neighborhood. I agreed somewhat wearily that it might be done but that he would have to work out the details.
The next morning he awoke full of enthusiasm for the new project and most of breakfast was spent trying to enlist his sister's aid. Edith is a year older and rather more possessive about her own belongings, so the discussion was still under way as the two children walked off to school. However, before the lunch hour was over she had agreed to pool her books with his, and after school the rest of the afternoon was spent in a frenzy of work.

I admit to a certain amazement at their industry and perseverance, various tempting requests to play out with other children being firmly rejected. They appreciated a little help from time to time but did not solicit any advice from anyone.

Jim's room was the scene of operations. Once when I looked in, all their combined books were on the floor and the tall bookcase given to Jim the previous Christmas was emptied of its assorted contents. In passing 1 should say that my children have always been eager readers, but in the six months since the library started they have become more discriminating in their choice of reading matter and more appreciative of their better books.
I noticed that certain treasured volumes were not included under any classification because, after all, they might be lost. The sorting process was very absorbing and they enjoyed it. Jim asked for some cardboard, the kind that shirts from the laundry are folded around. He cut narrow strips to fit the shelves and printed in ink the following headings which later were tacked on the part of the bookcase near the group indicated:

## To Buy More Books

FANNY SCANNELL

BIG LITTLE BOOKS, STORIES FOR GIRLS, STORIES FOR BOYS, STORIES FOR YOUNGER CHILDREN, MIXED BOOKS-POEMS, ANIMALS, BIRDS, INSECTS.

In the meantime Edith wrote out these rules which were printed on a large piece of cardboard and placed in plain sight on the door. books overdue 1 cent a day

1. Keep Books Clean.
2. No Dirty Finger Marks.
3. Do Not Tear Pages.
4. Do Not Get Books Wet. 7. Do Not Turn Down the Pages

I finally consented to their putting a sign on the outside of Jim's door provided it was attractively done and made to blend with the color scheme of the hall. Edith spent part of the next afternoon painting, with water colors, a straight-forward and completely workmanlike notice which is really not the eyesore that I had feared might offend me every time I passed down the hall.

> CHILDREN'S LIBRARY
> HOURS: $3: 30-4: 30 \mathrm{P} . \mathrm{M}$.
> WEEK DAYS

In the days that followed there was an atmosphere of suppressed excitement, but Edith and Jim were not yet ready to announce to their friends the great treat they felt was in store for them. It took about a week of concentrated application to their job to complete the necessary arrangements.

They purchased ordinary white envelopes, printed on them "Children's Library" with their names underneath and stuck them in each book. These envelopes were to hold the library cards. These cards, together with a small card catalogue, all contained in a wooden box, were our contribution as parents. They approved our gifts and thanked us for them again and again.

With a simple rubber printing outfit, Jim stamped on the cards the words "NAME" and under it "Return," after which he later stamped the date when the book should be brought back. The stamping procedure continues to be especially fascinating to Jim, who always takes
[Please turn to page 71$]$

## "Mummie, please leave on the light . . . ."

HELEN RIDDLE

THe fact that it was time for Snow White and the Seven Dwarfs as well as all good little girls to go to sleep was seldom enough to persuade Shirley and Betty to close their eyes for the night. (Snow White and her friends are among the decals which adorn the walls of my children's room.) Every night I heard that plea to please leave on the lights, as they solemnly thought that darkness made them drop off to sleep in altogether too much of a hurry! But now that the ceiling is dotted with twinkling stars, curiosity wins the battle every time.

To achieve this effect I found a new product which outshines all of my homemade ideas. It is a clever bit of decoration-parts of all the heavenly universe including stars, crescent moons, Saturns with distinctive rings, and comets with long shooting tails -all done, up in a little packet.

These are made of thin white paper coated with a harmless, glowing, light absorbent paint which, it is claimed, will never wear out. The reverse side is coated with glue, so that to apply them you simply moisten the gummed surface and stick them to the ceiling, making your own constellations as you wish. When you turn out the lights, they will shine in a completely dark room for several hours, long after your children have been lulled off to dreamland. The brighter the lights were, the longer and more brilliantly the stars will shine.

If used on a white ceiling, they are invisible except in total darkness. If the ceiling is painted a pastel color, such as pale blue or dusty pink, they are extremely decorative at any time of the day or night. Needless to say, you can also carry out some bright ideas by using them part way down on the wall, or sticking some on accessories such as the wastebasket. For only about a dollar you can get a large enough assortment to do the ceiling in an average room, so you can afford to have a generous sprinkling of whichever ones strike your fancy.

With the help of a varied assortment of them we have made our children's room just as attractive as it is practical and sturdy. In one corner by the window we put a blackboard, always a delight to both scribblers and students, and beneath it a table to use for homework, a glass of milk and some cookies, or cutting out paper dolls on a rainy Saturday afternoon. In front of this is a folding screen, a great convenience for covering up evidence of a day with paste pot and scissors. All of the furnishings are very simple, but the stars and moons and such provide decorative effect in the daytime, and at night are a perfect solution to that familiar going-to-sleep problem.
Try them in your children's bedroom and maybe they will say, as does my Betty, "It's fun to go to sleep under the stars."


BY DAY: Against a pastel background you will find them every bit as decorative in daytime as they are at night. Notice, too, how effective they are on the folding screen


Drawings by Sigman-Ward
Courtesy, The Snider Press
BY NIGHT: No longer do my children say, "Mummie, please Ieave on the light." Their room at night, with its shooting stars, crescent moons, and Saturns is even more fun than sleeping out under the real stars. As you see in the drawing above, they cast a glow over the room, making bedtime a real adventure instead of a necessary evil


## Pioneering in North Carolina

ONCE upon a time, it must have been at least three years ago, Modern houses had been built in certain sections of the country but not in ours. In our locality the people were antique minded and were justly proud of their Colonial columns. They had their reasons for wanting to preserve and restore the charm of the old South-just as we had ours for wanting to create something new.

For a long time we had admired Modern architecture and finally decided that we wanted to build our own Modern home. This decision made us realize how pioneers of the covered wagon days must have felt when they left the old and known to seek the new. To find their "promised land" they were prepared to face doubts, discomforts, and even disasters, but it was as exciting as tomorrow -and as uncertain.
We liked everything about contemporary architecture and decoration. Everyone knows that, all through history, furniture and homes have changed to meet the newer ways of living. We knew the Modern building style was very adaptable to our mode of living and felt that living in a Modern home helped to adjust one to the outside contemporary world. Being daily exposed to the twen-

## The story of a modern home in the setting of the old South

As told by PAUL DILLARD GAMBLE

tieth century, we wanted to come home and retain those impressions in a twentieth century environment. To us, Modern meant the things we wanted: simplicity of line, freedom from unnecessary details, an invitation to use bright colors, to let in as much sun and light as possible, to use every inch of space, the functional furniture, and the fact that everything which had its reason for being was there while all else was excluded. It all seemed so clean, sane, and convenient.
In the beginning, there were the usual long weeks of collecting and cutting pictures, scaling furniture to rooms, and making rough sketches on paper. Finally the day came when our charted course was before us in the form of the architect's blueprints and we started forth.
Even then the pioneers of the covered wagon days couldn't have been more anxious over their ultimate destination than we were of our final results. My husband was to act as contractor while I would do the decorating. This cut down expenses but certainly added up in time and hard work. Indians descended on us in the form of discouraging friends, and we felt ourselves ill equipped for the journey when we discovered that in our entourage some of the workmen hadn't



RONALD GREENE, Ltd., Architect
the faintest notion of what they were making and building-or why they were doing it.

The present craze of questions and answers started for us in those construction days. Inquisitive people bombarded us with such questions as, "But why are you putting the kitchen in the front of the house and the living room in the back?" We tried to explain that the rear had more sun and light, was more private and, since it was away from the street, cleaner.
"Will you get much air from those windows?" they would ask, looking at the corner windows doubtfully. We tried to assure them that there would be just as much, as well as space to permit better furniture arrangement.
"That circular cove in the dining room ceil-
[Please turn to page 73]
W. STEWART ROGERS, M.A.



## H O B B Y



## R O OMS

## for HOBBIES



Craftsroom, above, with work by Cra Students League, Y.W.C.A.; Physicia Art Club, N.Y.C. At left: Photograp

Telsure time in the home spent creaLively on crafts and hobbies brings people greater happiness than ever before. They actually achieve something because they no longer dabble superficially, occasionally dragging the drawing board from the hall closet, but instead set aside a small room where hobbies can be relentlessly and pleasantly pursued with apologies to no one.
Calculated to indicate to amateurs these opportunities at home, the Art Adventure League arranged a series of hobby rooms appropriately furnished with equipment for sculpture, painting, photography, and the crafts, at the New York Museum of Science and Industry, Rockefeller Center. By offering practical "doing" courses, planned, written, and illustrated by eminent artists, the Art Adventure League, 55 Fifth Avenue, New York, at all times is actively engaged in placing a complete educational program within the reach of all.

The need for creative expression is innate in all of us, and only the study of art in some form can satisfy this need. Its practical value is boundless, since all [Please turn to page 91]


## NEVER MADE FOR SALE!



Wrought purely through love of craftsmanship to please a friend, proving the glassmaker's skill, old-fashioned paperweights were never made for sale. Commercialism truly could not inspire the perfection of millefiori designs

## C. C. HARRINGTON

extremely beautiful specimens frequently bear the legend, B 1857, or 1849 , indicating their source.

The artistry responsible was as ingenious as it was admirable. A most tedious and difficult process it was, attaching the "set-ups" of floral pieces in the glass base which had to be exactly the same temperature when joined.
This high art was carried by French craftsmen to Great Britain: London, Stourbridge, Birmingham, and Glasgow, and to the United States where glass factories at this time flourished in great numbers. American craftsmen delighted in a variety of forms other than the intricate millefiori, yet fine examples of these were also made, especially in the South Ferry Flint Glass works of John A. Gillerland, Brooklyn, New York, and by M. Pierre of the New England Glass Co., Cambridge, Mass.
Such color fantasies must have pleased the skill of great Timothy Collins, associated with the Sandwich Glass Company, when he made paperweights for presentation pieces. Probably they included glass fruit and flowers opulently enclosed in a clear globule with flat round base, or against a stunning white latticino background. Life-size, naturally colored pears and apples, not encased, but mounted on clear round bases were specialties of the New England factories. Pink roses set in glass globes are from Millville, N. J., paperweights from Pittsburgh, too.
In the portrait medallion class is the flat glass globule enclosing the white pottery cameo of Benjamin Franklin, a process that Apsley Pellat patented in 1819, previous to being with Falcon, London.

Rare paperweights are those cut into numerous facets with an overlay of rich colored glass like that here illustrated. In another type, radiations from a central point produce the crown paperweights, made famous by Baccarat, with multi-colored spirals underneath.
Fancy glass includes cups with fluted contours set on top of paperweights to hold pins, spheres mounted on pedestals for wigstands, and mantel ornaments, ornate inkwells, and doorsteps. Such items are arranged, left to right, in the picture above. The paperweight nearest the doorstop shows the streaked colors of air bubble technique All these paperweights from the Middleton collection, Germantown, Pa.


# ICIIIEEEVEVETT 

 ararded in 1998E. L. D. SEYMOUR

Aa analysis of the record of American Home A. Achievement Medal awards in 1938 reveals several interesting, and some distinctly remarkable, highlights. Firstly, the Medal was-asked for by forty-one organizations and duly awarded by thirty-seven of them, as compared with twenty-three in 1937. Next, and of outstanding significance, is the fact that for the first time since the Medal was offered a quarter of a century ago, one flower-the bi-color dahlia, Lois Walcher-won it six times! One other dahlia, Emessee, won two medals, and one exhibitor, Stanley Johnson of Pennsylvania, did the same, but with different varieties, namely, Jean Johnston and Roulette.
Still another interesting angle is that dahlia awards represented thirty out of the thirtyseven; the others went to four gladiolus novelties, one peony, and one iris. Of the thirty dahlias winning the Medal, eight were later listed among twenty-four recommended for exhibition or garden use in Mr. J, W. Johnston's annual "Dahlia Futurity." These were: Jean Johnston, Mayor Frank Otis, Glamour, Rita Wells, Roulette, and Hillside Sunset in the exhibition group, and Lois Walcher and Marietta E. in the garden and cutting class. One other variety listed in the Futurity, Virginia Shipley, was an Achievement Medal winner in 1937. Three 1938 exhibitors had the distinction of repeating their 1937 accomplishments: Stanley Johnson won two Medals each year, and Walter Bissell of Ohio and H. Dewey Mohr of Long Island, each won a Medal in 1937 and in 1938.

For the information of those unfamiliar with the widely recognized objectives of this trophy, the terms under which it can be offered say:
"The American Home Achievement Medal is offered for the most worthy undisseminated dahlia (or gladiolus, iris, peony, etc.). Open to all, amateur and professional. At least three blooms on long stems (or three spikes) must be shown and entered specifically for this award, which will be made only to a variety of adequate merit, distinction, and novelty, having distinctiveness as compared with existing varieties. It cannot be made to an unnamed seedling or one less than three years old. In the event of a contesting variety being unnamed, the award will not be confirmed until a name has been given. (In the event of no novelty qualifying for this award, the Medal may be awarded to the best bloom in the show, if it is considered worthy by the judges.)"

The Medal cannot be offered by an organization or announced in a show schedule until formal application with assurance being given that the above terms will be complied with, has been made to, and granted by, The American Home. The Medal in silver is authorized for exhibitions of national importance staged by recognized national organizations; elsewhere the Medal in bronze is awarded. For further
On opposite page, Marietta E., Achievement Medal winner at Philadelphia. See page 128 At the right: California, Carl Salbach's winner at Oakland, Calif.; H. V. Wright's gladiolus Chesapeake, which won in Maryland, and Mrs. Geo. Kinyon's well named Emblem of Purity, Michigan winner

IEDIIIS
The American Home th

## ACHIEVEMENT MEDAL

AYMARDED BY


Above, the Medal. Right, dahlia Catherine J, winner for Richard Jones at the Seattle Dahlia Society Show
by The American Home
6 TIMES A WINNER! 6 TIMES A
Lois Walcher, strikeng red and white bind in bronze five times



At left, Mrs. J. W. Lee's Silver Wings, winner at the Tacoma, Wash. show. Above it, Stanley Johnson's Roulette, which won for him at Burholme, Pa. Directly above, B. E. Phillip's Westwood Chieftain, the winner in Georgia

Above, Rita Wells, the West Virginia seedling that won for H. Dewey Mohr at Rockville Centre, N. Y. Right, Ballay Dahlia Garden's Gertrude Lawrence, Medal winner at San Francisco

information about it, address the Horticultural Editor, The American Home, New York N. Y.
In briefly summarizing the 1938 awards, it is logical to start with Lois Walcher, originated by Ralph L. Walcher of Bedford, Ohio, named after his sister, and described at different shows as an informal decorative, a formal decorative, and a semi-cactus, but always as of strong, purplish red with every petal perfectly tipped with white; the blooms averaged 6 to 7 inches in diameter and 4 to $41 / 2$ inches deep. Mr. Walcher says of it, "The bush is of medium height; stems are ideal, carrying the flowers facing. The color is deep amaranth purple to pansy purple with the outer one-third of the petals a clear white." It received the silver medal at New York where it was shown by the Geneva (Ohio) Dahlia Gardens; shown by its originator it won bronze medals at Akron, Ohio; Madison and Indianapolis. Indiana; Detroit, Michigan; and Richmond, Virginia. It was beaten in only one show in which it was entered for the Achievement Medal, at Cleveland, Ohio. It will be interesting to watch the future of this record-breaking winner.
The second silver medal went to Harry F. Little of Camillus, New York, for his peony Westhill, shown at the annual exhibition of the American Peony Society at Lansing, Michigan, in June. We did not see it, and no detailed description was supplied, but we understand that this exhibitor's entries won first honors in most of the classes in which he was represented.
The other bronze medals were awarded as follows, the arrangement following the alphabetical order of the several organizations:
Baltimore Dahlia Society, Baltimore, Md., Sept. 18 and 19: To Salem-Glendon Dahlia Gardens, Wilmington, Del. for Glamour, an [Please turn to page 127]


## SPACE-Saving and Money-Saving

## C. E. LAUTERBACH

Staking dahlias has always been a problem. Good stakes cost money, and to be efficient a single support must be driven deep into the ground. The tripod system of staking, pictured above, as evolved from long, weary experience, eliminates both those obstacles and offers other advantages. The base of my tripods is three feet on a side; the stakes are six feet long and can be salvaged sawmill scrap or ordinary bean poles. Tied together near the top, they are pushed into the soil a few iirches; driving is not necessary. One dahlia tuber is planted on tách base line, midway between the two stakes. When the plants are large enough, their lateral branches are tied to the nearest stakes. Wind and storm are impotent against this combination of triangles and perpendiculars. A bowl-like depression left in the center of the triangle at planting time serves admirably when one applies water or fertilizer; it conserves both by making them easily available to the plants, enables the gardener to serve three at once, and facilitates spraying and cultivating. The dimensions of the tripod may be modified. Growers who have suffered as tempests swept their patches will find in this method salvation for their plants and their souls.


## Have You a Garage in Your Garden?

HAVE you a garage which you feel you must apologize for? Does it stick out like the traditional sore thumb at the back of your lot? Then come a little closer and gather inspiration. Your garage can be just as picturesque as your house! More so, in some cases, because you can try experiments and do all the crazy stunts you ever thought of in the way of gardening, along its sides and around behind it.
Even if it is one of those ultra-ultra garages attached to the back of a beautiful new home, you can further fit it into its surroundings by planting shrubs and vines. The most unobtrusive garage I think I ever saw was located under a living room in a recentlybuilt, English style house, and approached by a driveway at the right side. Because of a natural hollow there, the front lawn had to be finished with a retaining wall. Back of the driveway a beautiful garden rose above another retaining wall planted with euonymus and ferns. The corner of the driveway, between the back and side walls was a veritable rock garden with a juniper at the top stretching out its prickly arms as if to protect the clumps of sedums and arabis and the purple spikes of ajuga peeping out from among the rocks. Yet it was not 'always so.

The mistress of the household confided that at one time the entrance to the garage had been an eyesore-a messy drive beside a muddy bank that would not support grass. She and her husband determined to improve it in some way and succeeded so well that guests now park their cars in the drive so they can alight in this bower and glance at the garden before entering the living room through a paved terrace at the side of the house.

For the north side of brick and stone garages there is nothing quite so satisfactory as English ivy (Hedera belix) and Euonymus radicans. Both vines like the shade. stay green all winter, and cling readily to any rough surfaces; also they are hardy in the north although the ivy sometimes kills back in severe winters. Of the hardy, deciduous vines that like shade, woodbine or Virginia-creeper (Parthenocissus quinquefolia), with its five-fingered leaves and beautiful fall coloring, and the quick-growing Boston ivy ( $P$. tricuspidata) might rank first. Or perhaps you would like Celastrus scandens (our native false-bittersweet), so you can gather the scarlet and orange berries in the fall. This vine is rapidly disappearing from the countryside. thanks to ruthless berry-gatherers, so if you plant some this year or already have it growing in your yard, you can enjoy the satisfaction of knowing that you are doing your annual good deed for the preservation of our wild flowers.

Along the sunny walls of your garage you must have a wisteria. Nothing quite equals its May display of gorgeous purple flower pendants. The vine is extremely hardy and will grow in almost any soil although it prefers a rich, deep loam that does not get too dry. Against a garage or house wall it needs some support and much guidance if it is to follow the paths you have chosen for it. Watch out that your wisteria doesn't start growing indoors as did a vine belonging to a friend of mine. It was supposed to beautify the side door of her porch and trail above a back entry connecting the garage and the house. One fine summer day my
[Please turn to page 98]

The sunny side of a garage is a fine place for a small greenhouse or conservatory

English ivy and morning glories turn this brick wall into a lovely background
de walls was a veritable

Even though it seems a necessary evil, you can beautify it in many ways. Note above how Mr. and Mrs. J. R. Harvey of Emporia, Kansas, despite rather uncongenial climatic conditions, solved their problem of a blank rear garage wall

EMILY SEABER PARCHER
(CHARLES C. PORTER

L. J. Higginson

## TEXAS Ranch House RALLY

JULIET B. PICKETT

The ranch house has been reclaimed. Inspira-- tion therefor melts into the minutiae of pioneer days. The kind of pioneering that Greeley meant, when his "Go West, young man, go West" presaged opportunity under conditions raw but heady. Yes, those were the days! Against a sky grayed by the buffalo, longhorns roamed the open range, and cowboys on paint ponies rode hard after both; where sun and wind and sand stayed for no man and "come and get it" was more than a chuck-wagon call. A West that knew the jargon of the round-up, long drives to market down the Chisholm trail, dreams put to song beneath a pampa moon.

Those days are gone but their glamor remains to haunt and hover around the architecture of today. Reminiscent of the picturesque yet purely functional houses seen in a now neglected state at Castorville, New Brannfels, Fredericksburg, and other older settlements of Texas, the present ranch house retains an austerity of taste and a heartiness of appearance. Its echo pervades the interiors as well.
The original L shape with its broad side to the south and cross ventilation a primal factor is one architectural pattern. Another earlier model had a central hall or "dog-run" running full length of the house and separating the culinary from the living quarters. In summer, cool winds swept through the "run,". drawing the family to it. Both originals favored long porches


The opening at the left of the living room fireplace in the Russell Dunbar home is for wood storage. Above, an effective use of exposed rafters with wallpaper



Cattle brands from old irons form the over-mantel motif in the Waggener dining room fireplace

## across the south, the roof of which protected the windows

 from glare. Extension eaves all around were used with the same protective purpose in mind, effecting cool interiors. Thus, cleaving to fundamentals, the ranch house is Texas' own contribution to architecture. The two-story house in elongated shape was a basic feature of the earlier ranch house, the broad side of which faced south to catch the Gulf breeze. Such a house is that of Mr. and Mrs. Russell Dunbar in Preston Hollow, Dallas. The lower story is of red vitreous brick on which the upper story of ship-lap is built. LatticeA charcoal oven for broiling or roasting meats fits in a recessed niche beside gas stove in Dunbar kitchen. Below, a cobbler's bench before the Waggener fire must wonder at its call to social life
encloses the porches insuring privacy, yet allowing cross ventilation which is so essential. Unusual fireplaces and the kitchen are its chief interior features. An inglenook, adjacent to the living room fireplace, is one of these interesting features, illustrated here. It is a narrow passageway to one side of the mantel where wood is stored. An end door admits wood from the enclosed shed built for that purpose. Dry wood is accessible through the inglenook at all times. The commodious brick fireplace has recessed shelves for books, magazines, or plants. A bean
[Please turn to page 102]


# CA Spring Garren 

 of gray stone, green foliage, and bright white and yellow flower tapestry.


Your initial on a folding screen takes on period significance when framed by Empire wreaths

Black and white penguins and a white polar bear parade across a sky-blue bathroom wall. Same pattern was ironed on a shower curtain

$A^{s}$spontaneous and gay as lively talk, and as easily changed as the topic packaged sets. They are colorful, cleanable, waterproof cut-outs, the backs coated with rubber adhesive for fast, easy application to walls, ceilings, doors, mirrors, and even to curtains and bedspreads.
To use these quick tricks on fabrics, you simply press with a hot iron on the back of the fabric after they have been applied, so that the heat seals the Pasterettes to the cloth. They are easily removed, just as on hard surfaces, whenever you want to pull them off. Then they can be reapplied after the fabrics are laundered or cleaned, perhaps in some new arrangement. By-product decorations can be made with the white glazed fabric "ghosts" which you pull off when you stick up the designs. Appliqué them to washable materials by sewing securely all around the edges, then soak out the stiffening and you have breakfast linens, tea towels, or whatever, all dressed up in new patterns and colors. These "ghosts" make interesting repeat accents of a design.
We can think of no better way to lift your house out of its winter doldrums and make it look as fresh as the spring season itself. The cost is so little that you can well afford to be extravagant in the variety of designs and use them without restraint according to your fancy. It doesn't matter whether it's the bathroom shower curtain, your plain bedspread, or the breakfast room wallsthe chances are that you will find exactly what you need to make them bright and gay as a pageant. Go ahead and try out your own ideas of arrangement.


Bright colored circus animals and clowns cavort around a children's playroom, with stars in the same colors sprinkled about for a carnival effect. The toy


When the coal bin becomes a game room, Ship Ahoy! Use sail boats on battleship-gray walls and stars on the ceiling. Adorn gray chintz curtains with yacht flags and red anchors and repeat these motifs on the door



Green swag and tassel border decorates the yeldow walls, dressing table skirt and plain mirror



Small posies dotted over the set-back wall spaces in Modern bedrooms give a suggestion of Colonial quaintness. Try two shades of green on a white wall, and sew "ghosts" to a green bedspread



SET in the midst of wide sweeps of lawn. this low, rambling English house of Mr . and Mrs. Paul L. Cumings is ideal for the site and as ideally suited to the large family living in it. Rough plaster and timber exterior finish and an extremely interesting roof line are fundamentals well worked out by Mr. Cumings who was his own architect.
Since this is a family that spends a great deal of time out of doors except in bad weather, provision has been made for comfortable living outside of the four walls, as well as inside. In addition to the covered porch at one end, there is an open terrace at the back of the house, shown in the large photograph above. Wide lawns spread out from the rear, just as they do from the front of the house, shown in the small photograph
Natural color plaster walls in most of



## A Reader's Home in Wellesley, Mass.

Homeof Mr.andMrs.Paul L.Cumings
bURR A. CHURCH, Photographer

the first floor rooms, the consistent choice for a house of this type, are a pleasant background for the rich colorings of tapestries, Oriental rugs, fine old paintings, and the tiled floors. Massive furniture of early English or Italian origin is in keeping with the dignity of the house.

The living room, with window and door openings on three sides, is a step or two down from the hospitably large entrance hall on one side. On the other is the dining room, closed off when desired with crewel-embroidered portieres.
Off the hall and near the front entrance is a pine paneled study, planned to be easily accessible and yet to have the desired amount of privacy. A comfortable large desk for household planning and all kinds of correspondence, lounge chairs and sofa, and wide window sill make for a pleasant, homey atmosphere.


HEster Evans-if I may use that name to designate this particular one of the hundreds of New York women who have bought small Colonial houses in rural New England-was gradually adjusting herself to the slower-moving country life.

Many a problem had been solved inside the little Colonial house which had stood so firmly on a grassy knoll since 1740, but now another question popped up: Should all her guests be welcomed at the wide, hospitable back door, so obviously made for that purpose; or should the occasional formal guest be treated as such, with a greeting at the front entrance?
"It is almost impossible for people to come up that quavery grass slope now," mused Hester, "and the wooden steps at the front are tottery and seem not to belong to the house. Something must be done.'

So she studied and planned-and at last the inspiration came in the form of a mental picture of an approach from the driveway to a terrace, supported by a rough stone retaining wall, and solid stone steps leading up from the terrace to the front door! She could see it all, even the dry wall planted with alpines in every suitable crevice.

The inspiration was joy; the accomplishment a series of difficulties over which only a city woman, unused to the habits of leisurely New England workmen, would feel she could triumph. The part-time gardener was out of the question; he had already inextricably tangled the plans of the vegetable plot. Help must be sought further afield. At last she heard from a neighbor of Carkeek. and of his skill in building with stone.
"Davies ap Davies Carkeek," she mused. "Surely a man with a stubborn Welsh name like that ought to be able to deal with some stubborn New England boulders."


# PROBIEM:COL MロDLIM, Great Deal of Room 



The studio of T. Frederick Norton
West Mystic, Connecticut
Construction data-Foundation: native stone; walls: shingles white, front door red; roof: wood shingles (black) : windows: stock-double-hung, studio window (fixed) ; insulation: Sisalkraft paper and rock wool; porch and terrace: flat fieldstone; plumbing fixtures: Standard Sanitary; heating: oil, steam-convector built in radiators; chimney: stone-Heatilator fireplace, hard finish cement.
[Please turn to page 91]


SECOND fLOOR. PLAN


Light knotty pine kitchen interior and dining nook in the home of Mr. Richard Penfield

## Old-Fashioned Charm with New-Fashioned Convenience

THE pine-sheathed kitchen illustrated here satisfies two prime re-quirements-it is a particularly cheerful and inviting room to work in and it is thoroughly practical in its plan and its equipment. It was designed for a housewife who realized how much of her time the kitchen claimed and insisted on having a pleasant, agreeable room in addition to an efficient one. She thoroughly understood that a kitchen can be efficiently equipped, down to the last detail, without being at all a pleasant place to be in for a large part of the day. She decided that if the old New England kitchens or old Dutch kitchens with their limited equipment could be so appealing, a present-day kitchen, modernly equipped, need not be a barren and cheerless place but could be equally attractive as well as fifty times more efficient.
Carefully selected knotty pine sheathing is used on the walls and for the doors, drawers, and ends of the base and wall cabinets. The wood is laid in vertical boards with beaded edges. The built-in benches in the dining corner are of the same material. This corner serves as the dining area for this small house, a space-saving arrangement and an additional reason for having an especially attractive kitchen. When chairs are used with the benches the kitchen table will seat as many as eight persons and the benches are doubly useful because the seats lift up to provide storage space for linens. The use of knotty pine throughout the room involved a greater initial cost than a kitchen with ordinary walls and woodwork but the owners felt that the enduring satisfaction of this warm, friendly treatment, together with the saving in upkeep it offered (it will never need painting) was worth the additional expenditure.

Convenient and efficient equipment is combined practically with the decoration. An electric range and electric refrigerator of new design and the newest labor-saving gadgets for food preparation have been included. The cupboards and drawers have been planned to provide abundant room for the handy storage of china, crockery, and cooking utensils of all kinds along with ample room for keeping canned foods and other food supplies. Generous working surfaces are provided on the counter tops of the base cabinets. These are all covered with a heavy black linoleum which is serviceable and easily cleaned, and a back splash of the same material, about six inches high, protects the adjoining wall. The sink is well lighted during the day by a large window above it. For working at night there is an overhead fixture.

HAROLD DONALDSON
EBFRIEIN EBERIEIN

$\mathrm{F}^{\text {aster breakfast is the time to glorify the usual }}$ E leisurely Sunday breakfast. Serve it at a reasonable hour, say half-past eleven anyway, and be sure it is informal enough so it can go on for hours. But please do not call it "brunch," for it is most strictly breakfast, the kind that comes only

on Easter. The children have been happiiy disposed of or have sprouted wings for the occasion and are behaving like little angels. All of the carefree guests, carefully handpicked as to taste in both food and conversation, are in such a heavenly mood that they almost have halos of hyacinths and primroses.
On Easter day the bargain counter meal, breakfast, gets a real and very much deserved chance for de luxe treatment. Use the most frivolous accessories possible, like the old Battenburg lace trimmed cloth in our photograph, and the benign Pascal lambs of almond paste, reclining on green crystal sugar grass surrounded by pink sugar shells. Tufts of spun sugar bushes are scattered about here and there. The lambs themselves are miraculously decked with tinsel halos and rosettes of frosting in various colors. (They are a part of all Italian Easter festivities and most Italian centers have them in the local "pasticceria.")
Eggs you must have for Easter breakfast, even if you never eat them at any other time of the year. There are so many ways to have them that a nine course meal of all eggs would be easy, but we hard cook them at our house, and then dye them such brilliant colors that the famous jewel tones look faded in comparison. Then we pile them in huge nests of parsley, with roses and geranium leaves stuck all around to smell wonderfully all through breakfast. For a final touch, have individual bowls of well-salted, melted butter for the egg eaters who make a business of it.
In lieu of fruit, try yellow tomato juice, with juice of half a lemon added to each canful. Have a large pitcher of it, or four smaller ones with four different juices such as grapefruit, yellow tomato, orange, and pineappleall yellow and pretty as can be. Pour a can of tomato juice into an ice tray and you'll have tomato ice cubes, which means that last minute stragglers won't have diluted juice.

## Zaster Breakfast Menus

Iced Orange and Grapefruit Sections Puffy Omelette with Herbs Whole Chicken in Aspic

Ripe Olives with Bacon
Hot Biscuits and Clover Honey
Zabaione

## Black Cherries in Orange Juice

 Toasted Corn Bread Eggs a la CaracasRolled Ham with Horse Radish Filling Tomato Aspic with Marinated Cucumbers Pineapple Ice

Pineapples Filled with Strawberries Poached Eggs beurre noir Canadian Bacon Prune Muffins
Cold Sliced Chicken with Chutney Coeur a la creme

Baked Grapefruit
French Fried Eggs with Mustard Sauce Smoked Salmon Vienna Sausages Graham Muffins
Orange Marmalade Currant Jam Flap Jacks with Lemon Syrup

Avocados with Lemon and Rum Bacon Curls Masked Chicken Devilled Eggs<br>Hard Rolls Assorted Cheeses Orange Ice with Mixed Fruit

Take time the day before to make fat littld bird rolls. Use any standard yeast roll recipg (we use the one given here for pineapple rolls), take bits of dough and roll out as you would for crullers, in strips about eigh inches long. Tie a single knot and tuck ons end back in and $u p$ for the head; tuck the other end in and down, and press flat with fork for the tail. Warm them for a minute in a very hot oven on Easter morning; serv, with butter curls piled on ice.
For real dyed in the wool bacon-at-break fasters try lining muffin tins with crisp bacon dip an egg in each of the consequent bacor nests and bake until the whites are set. Then of course there's always Canadian bacon sliver-thin ham, and smoked tongue, deliciou: when served with seasoned horseradish sauce

For the most conventional members of the family who will have nothing but eggs anc chicken on Easter I always serve either highly seasoned chicken loaf or cold boiled chicken Incidentally, too little is known of the ele gancies of that succulent fowl when boilednot the odious "plain" boil, but an elegan one timed to a nicety and followed by ritualistic addition of seasoning. The bir itself is wrapped in white linen while gentl simmering. Then it is set, unwrapped an upside down, in a deep bowl with its juices Put a large corsage of parsley at its neck an let it cool and solidify to become a sublime chicken aspic. When you turn it out, its righ side up, it looks like Snow White in a glas case. You might even try a red rose in place of parsley at its throat, as I did once-anc very soignce the creature looked, too. By and large, though, we like the familiar chicken loaf, well seasoned with onion juice, lemon juice and chopped parsley, sliced thin and then garnished with lemon and more parsley.

The color of broiled spiced peaches is so attractive, the flavor so pleasant, and they
cottage cheese balls
crumbs, ham, mushrooms, pimiento, sea-
sonings and 1 well beaten egg. Blend well.
Beat other 2 eggs slightly and add milk.
Shape first mixture into medium-size
balls, roll in crumbs, dip in egg and milk
mixture and roll again in crumbs. Let
stand a few minutes. Fry in deep fat
$\left(385^{\circ}\right.$ F. $)$ about I minute. Makes 14 balls.

## $11 / 2$ cups cottage cheese $1 / 2$ cups soft bread crumbs 1 cup chopped cooked ham $1 / 2$ cup sliced mushrooms, freshly <br> $11 / 2$

 cottage cheese balls
crumbs, ham, mushrooms, pimiento, sea-
sonings and 1 well beaten egg. Blend well.
Beat other 2 eggs slightly and add milk.
Shape first mixture into medium-size
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mixture and roll again in crumbs. Let
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$\left(385^{\circ} \mathrm{F}\right.$. $)$ about I minute. Makes 14 balls.
 beaten egg. Press dough over bottom of a 9 -inch spring form. Cover with cheese filling and bake in a moderately slow oven $\left(325^{\circ}\right.$ F.) $11 / 2$ hours. Serve with topping of whipped cream if desired. Serves 8 to 10 .
Cheese Filling
1 pound cottage cheese
$3 / 4$
1 teaspoon salt
$11 / 2$ tap sugar
$\begin{array}{ll}1 / 2 & \text { tespoons cornstarch } \\ 1 & 1 \text { teap heavy cream vanilla }\end{array}$
Rub cottage cheese through a medium fine sieve. Add other ingredients and


| eese $1 / 2$ teaspoon vanilla <br>  I teaspoon grated lemon  <br>  $1 / 2$ teaspoon lemon juice |  |
| :---: | :---: |
| tarch 4 eggs, well beaten |  |
| 1 cup heavy cream |  |
| a medium fine sieve. Add other ingredient |  |
|  | Tested by The American |
| Reci | submitted by Mrs. Clara S. Sch |

 butter; cool. Dissolve yeast cake in water
and add to milk. Stir in the well-beaten eggs and then gradually blend in the four. Cover and let rise until double in board $1 / 4$ inch thickness. Brush with melted butter, brown sugar, cinnamon, and crushed pineapple. Roll as for jelly roll, slice $1 / 2$ inch thick and place on Cover, let rise until double in bulk and Cover, in hot oven ( $400^{\circ}$
F.) $)$ about 20
minutes. Makes 24 rolls.

$$
\begin{aligned}
& 3 \text { eggs, well beaten } \\
& 5 \text { cups sifted flour } \\
& 1 \text { cup drained, crushed pineapple }
\end{aligned}
$$

 mon (amounts, desired) ,

$$
\begin{aligned}
& 1 \text { yeast cake } \\
& 1 / 4 \text { cup lukewarm water } \\
& 3 \text { eggs, well beaten } \\
& 5 \text { cuns sifted flour }
\end{aligned}
$$ y

1 teaspoon salt
2 tablespoons butter
1 yeast cake
$1 / 4$ cup lukewarm water
3 eggs, well beaten
5 cups sifted flour
1 cup drained, crushed pineapple
Melted butter, brown sugar, cinna-

## pineapple rolls

 blend thoroughly.Y!!ய dno |
are so easy to do, that they fill all requirements. Besides being the perfect condiments for breakfast meats, if you use the canned peach halves which have been standing in spiced vinegar over night, they are easy to manage at a buffet.

There's no particular need to mention the subject of coffee except to say have pots-gallons-hogsheads-of it, hot comme l'enfer. Remember to serve the cream in a jug and the sugar in an honest to goodness man's size bowl. Nothing looks as genial as a really ample breakfast table.

Some form of desert is in order at an Easter breakfast-and you may not want to eat the beautiful little lambs. We always say that a very fancy job of decorating never hurt the flavor of any cake on earth, and on that premise went to work on the ones photographed. Since a good pound cake is firm enough in texture to stand for considerable trimming down, we cut two of them in large oval egg shapes. One is white, the other chocolate, and the trusty pastry tube really went to town on decorating both of them.

For those of you who have peeked ahead of time and looked at the other recipes, we
have a few things to say. Kaese torte (cheese cake to us) is something to try for any fancy breakfast, Easter or not. The cottage cheese balls, seasoned to a new high point, would be just as good for a buffet supper. About the pineapple rolls, though, we have very special sentiments. We don't say that you can't have them at any other time, but we do say that you must have them for Easter breakfast.

There is no reason to consider yourself prosaic just because you still feel that breakfast is breakfast, and as such calls for more fare of the traditional variety-as long as you at least deck the table in a festive way. Once you have done your duty with a centerpiece of flamboyantly colored eggs, your laciest cloth, and whatever else strikes you as being in the right spirit, go ahead and have your scrambled eggs if without them no day is complete. If you have an electric food warmer, especially one with several divisions, it's a very simple matter. Put scrambled eggs in one compartment, tiny baked sausages in another, and hot cereal with dates in the third. Plenty of that coffee we mentioned, and hot cross buns make a satisfying breakfast you can linger over for hours. For a
change from orange juice you might deviate just a little and start off with a platter of sliced oranges surrounded by lush strawberries. Any number of guests can be taken care of with this simple menu, and all of themeven the man who usually won't get out of his slippers and into his shoes until afternoon, and certainly wasn't very keen on this idea of dressing and going out to anybody's break-fast-will be completely pleased.
If you want to have something a little more special but no more trouble, try some variations of the above suggested menu. Substitute cottage cheese and ham balls for the sausages, and top off the whole business with pan-fried or oven-broiled pineapple slices.

Waffles, too, are still everybody's favorite, and can be very nicely turned to account on Easter morning. Assuming that Easter breakfast is really the substantial meal of the day, you might follow the old Southern custom of serving turkey hash or creamed chicken over crisp waffles. With this you needn't serve more than a liberal supply of fresh fruit and fruit juices.
Now go ahead and have fun at your own party. After all, this is a once-a-year affair!


SIOMAN-WARD
Careful arrangement of the shelves and hooks makes this closet adequate for storing all house-cleaning equipment

# IIII||||||||| Space for  

ETHEL OWEN ADAIR

"WHEN you plan your house be sure to include a cleaning closet. We could have had one at the end of our back hall. but we just didn't think." This is the advice my next door neighbor gave me when we began talking about our new house. "How nice it would be," she added, "to have a specially planned space for cleaning equipment! It would not only keep the house more sightly, but would keep odors of materials like soaps, polishes, and wax out of the kitchen cupboards."
So when we finally decided on the plan for our house, we followed her suggestion and included a cleaning closet convenient to both kitchen and laundry. It is a wide but shallow closet, just thirty-six inches wide and fourteen inches deep, arranged so that any article can be removed without knocking over or taking out another. The standard door, two feet in width, matches the door to the washroom on the opposite side of the hall, keeping everything in harmony.

The inside walls, made of Sheetrock and painted light yellow to harmonize with the hall, are easy to clean. In planning the spacing of shelves, I considered the equipment used in cleaning the house as well as that used in the laundry and was able to accommodate all of them. Your own particular housekeeping needs will determine your ideal arrangement and differ slightly from mine, as does the cleaning closet sketched on this page. No two closets will be exactly alike, for our homes differ and our household supplies vary. [Please turn to page 104]

# -and Vacation means PARTIES 

Youngsters adore Easter. They may be young enough to believe in the Easter Bunny or they may be old enough to feel very grown up. Of course, Easter means vacation, and that means a houseful of lively children running on high most of the time, so why not go big-hearted and partyminded for their sakes? They'll adore you for it and if you let them help in the preparation, it will take care of that surplus energy. Besides, the more they do to help, the more they will feel that the party is really theirs.
Plan the affair as near Easter day as posible. Consult the young host and hostess as to guest list and invitations and let them invite their friends as they prefer, by telephone, word of mouth, or mailed invitations if they want to be fancy.
Inexpensive invitations may be purchased, but simple ones may be made at home by cutting out three-inch chicks or bunnies, making them double by having the fold come at the top and just long enough to hold the two parts together. Chicks may be colored yellow and the bunnies' ears pink. On the inside the children might write:

Come to our Easter Party On Thursday next, at four.
Please bring your prettiest Easter eggs: We'll meet you at the door. Joan and Tommy
The reasons for having the children bring their Easter eggs are these: they like feeling that they are contributing to the party; it would take a great many eggs to supply all of the guests; and there are plans ahead for their use!
If you live in the country, you may have a hill in your own yard, or a near-by park or meadow where they may enter into the same honest-to-goodness egg-rolling game that thousands of children play each year on the White House lawn. Sometimes country clubs will lend eice egg-rolling hills on their golf courses, provided, of course, that the debris is entirely removed afterward. It didn't take the young rollers long to clean up; the use of the hill absorbed only an hour, and the club members who assembled to watch proved that they got as much pleasure from the spectacle as the children did.

If there is no hill handy, have a flat eggrolling contest in your own yard, marking off the starting and finish lines by small sticks driven into the ground. One at a time the players will roll their eggs toward the goal. Any that come within three inches will be left and marked with the initials of the player. If weather will not permit an outdoor contest, have it inside. You must roll eggs! The recreation room, the basement, even the living room


LOUISE PRICE BELL

will answer your purpose. A long strip of wide roll-paper securely fastened will protect the rugs, the eggs which roll off the paper being disqualified. Mark goals with white chalk on wood or concrete floors; with heavy black crayon on paper. The winners may be awarded chocolate eggs as prizes.

After the egg-rolling contest, have the children collect the eggs, put them in their baskets and then sit on the floor in a circle. Announcing an Egg-decorating Race, place a large piece of wrapping paper in the center of the group and on this lay squares of colored papers, crayons, and gummed stickers such as red hearts, green four-leaf clovers, small colored circles, gold and silver stars, small legal seals, even note book reinforcements! With the brightly colored eggs and these materials you will be surprised at the interesting and varied designs they will make. Have a time limit for the decorating. Let the children themselves vote on the prettiest egg, the artist who decorated it receiving a tiny Easter bunny as a prize.
Next have an Easter egg hunt. Giant jelly beans make splendid little eggs for hiding since they are easier to hide and harder to find. Set a time limit for the hunt and give a prize Easter bunny in candy or papier-mâché.

PDinning the Tail on the Bunny is exactly like the donkey game, a game of which youngsters never tire. A large sitting-down bunny, probably fifteen inches in diameter should be carefully traced or drawn on a sheet of light weight white cardboard. Also, as many white cotton-tails as there are to be guests are made by pulling small pieces of cotton from a roll and putting a pin through each. Each child in turn is blind-folded and then placed about six feet from the bunny, turned about three times, and given a tail to pin in the proper place on the bunny.

Hilarious shrieks will be an integral part of this game-after all a bunny does look queer with bunches of cotton stuck all over his body. Write the initials of each child next to his cotton-tail, and award to the winner a bright yellow pencil with a bunny eraser.
Select two children as leaders for the next game, using the closed eye method which eliminates arguments as to favoritism. Each leader choses the players for his own side, and the two sides line up on opposite sides of the room, facing each other. At the head of the line, place small Easter baskets containing giant jelly beans; at the foot place empty Easter baskets. The leaders are given teaspoons at the same time to start the race. It is the same as for a peanut race, the eggs are taken one at a time and carried from one end of the line to the other where they are deposited in the baskets. After the first child carries one egg, he hands the spoon to the second child, and so on; the game being to see which team relays with the fewest hitches. At the end the winning side is told that they may "go into a huddle" and decide what they want their opponents to do as a forfeit. You'll be surprised at their ideas!

WHEN it is time for supper, to avoid the confusion so often caused by an army of children bursting into a dining room, it is a good idea to list the youngsters' names on paper just as they are to be seated at the table. Just before supper announce an Easter Parade. Have the participants fall in line as their names are called and then march "foodward" behind their leader. Because food is the main part of a party to any child, he simply forgets all decorum when it is announced. So don't think to yourself: "My child wouldn't rush into anyone's dining room." They all do it and the suggestion is in self-defense of your child and mine. It brings each small guest directly behind the place planned for him at the table.

The Easter party table can be made very gay, what with the shops and ten-cent stores full of delightful Easter oddments. A paper tablescloth, with napkins to match, is by far the most practical table covering. Let your youngsters plan the centerpiece themselves. perhaps a large nest of artificial grass, filled with colored eggs or a huge Easter bunny with a Cellophane bag of jelly beans over his back, or an Easter bunny, or several chicks drawing a cart filled with Easter eggs.

Remember how you loved to take things home from a party? It is just the same today. So perch a tiny yellow chick on the edge of each water glass, have favors that, though edible, will be taken home before being eaten, and you may be sure that your guests will
[Please turn to page 67$]$

## Get every penny's worth! NO. 2, BUYING PORK, VEAL, LAMB

In November we published a page on how to buy beef. This month it is pork, veal, and lamb. With meat such an important item in the food budget it is smart to know something about the fine art of selecting just the right cut of meat for right cooking purpose. You can save many a penny that way


## Get every penny's worth! NO. 2, BUYING PORK, VEAL, LAMB

How can you tell a good piece of meat from a poor one? Below are some helpful pointers that will serve as a guide. Your butcher can help you, too. Show him your interest in buying only the best quality meat and his friendly advice will prove most valuable

- lamb chops
THE chops that come from the lamb shoulder are the most inexpensive, buying insist that they come from good quality lamb. The lean should be light pink in color, fine grained, velvety in texture, and well marbled with fat. The outer layer of fat surrounding the lean should be smooth, somewhat thin and evenly distributed, soft and creamy white with a definite sheen. In poor quality lamb the lean ranges from a dull red to a dull light brown in color, is flabby, soft, and watery. There is very little visible fat and no marbling or
streaks of fat throughout the meat. The blade chop and the Saratoga chop, shown on reverse side, are both economical shoulder cuts.
The loin and English cuts are both cut from the loin. The English chop is cut

- lamb roasts

 on the ribs will match the color scheme for your dinner. The crown roast, as well as the leg, shoulder, and loin which are also used for roasting, should be roasted
in a slow oven $\left(300^{\circ} \mathrm{F}\right.$.) for 30 to 35 minutes per pound. Allow 10 minutes more per pound for boned cuts. A piece of bacon or fat wrapped around the rib ends of the crown roast will prevent charring. If you use a meat thermometer, roast
lamb to $175-182^{\circ} \mathrm{F}$, internal temperature.

The sirloin roll shown on reverse side is from the loin end of the legs, with
vertebrae removed. It is a delectable piece of meat, though one of the more expensive cuts. It is particularily easy to carve. The square cut shoulder with bones removed may also be made into a very attractive and easily carved roll by your
butcher. The flavor is good and it is less expensive than the loin roll.

Many people, especially with small families, deny themselves the pleasure of home-cooked roasts because of the left-over meat problem. However, there are certain cuts from each classification of meats that lend themselves lamb, beef, or veal for roasting, it is well to remember that from $1 / 4$ to $1 / 2$ pound of meat should be allowed for each serving.

The shoulder of lamb photographed on reverse side weighed only $31 / 4$ pounds;
he loin of veal, 2 pounds, 3 ounces; the loin of pork, 2 pounds, 7 ounces; and the rolled Boston style butt, 2 pounds, $3 / 4$ ounce. In preparing these cuts follow the standard directions given for roasting. Your butcher will give you suggestions you need unless you have definite plans for interesting and appetizing ways to use the left-over meat.

# CAMPBELL'S BRING YOU OLD-TIME CHICKEN NOODLE SOUP 

$\mathbf{N o t}_{\text {ot Qurte As old as the hills perhaps, hut }}$ as old as the country we live in, is the liking for chicken noodle soup. And just as it brightened the lives of our ancestors, it can brighten our tables today. Because Campbell's chefs have brought back this soup in all its glistening glory. With matchless skill they have made it as coaxing and hearty as ever. All over the country now, chicken noodle soup is eaten and enjoyed. And of all the chicken noodle bought and served, seven cans out of eight are Campbell's. It's gaining faster in popularity than any other soup in America!


## THE BIRTHPLACE OF CHICKEN NOODLE

Let's turn back the years to the dim past, to an ancient kitchen wide and rugged, where a Colonial mother and her daughter are at work. Through the room drifts a delightful aroma. In the huge stone fireplace the flames dance brightly, and a great iron kettle bubbles and sings.

It's chicken noodle soup, and making it is a long and serious business! Slowly and patiently they simmer the broth till deep chicken flavor fills every drop. From fresh eggs and fine flour they knead the noodles, then roll them and cut them with
care. They take great pride in the seasoning, as they add their own skillful touches - an onion, or a bay leaf, or a green wisp of parsley-tasting critically at every step! Truly, a long and serious business, but what a glorious soup they'll ladle forth at last from that staunch and steaming kettle! What heart-warming praise they'll receive from the family! And could they only have known it, that soup of theirs was destined to live through countless years to come.


## AMERICA CALLS FOR CHICKEN NOODLE

Time passed and gradually women's interests grew broader. The preparing of toilsome and time-taking dishes became less a part of their lives. The love of chicken noodle soup, however, never waned; calls for it continued to be heard on every side. Then, one fine day, Campbell's chefs decided to make this soup for people to have whenever they wanted.
First of all, the chefs searched carefully through the leaves of time-worn cook-books. Thoroughly they tested recipes; discarding this, approving that. So that the chicken noodle soup they bring you now is a worthy successor of the finest that was brewed in those early kitchens. Its broth has the same rich flavor; it tempts with the same golden gleam. It's as generously provided with
good egg noodles. And the morsels of chicken meat are there, too, so tender they melt in your mouth!

## THE RETURN OF A NATIVE

An American dish has returned to Americans! Almost anywhere you go today, you will find them enjoying Campbell's Chicken Noodle Soup. They have taken to it like an old friend! Packed with traditional old-time good eating, it has earned a permanent place in their hearts and in their cupboards. And now, when you open a can of Campbell's Chicken Noodle Soup, remember those good dames of long ago. For it was they who created this dish and started it triumphantly down the years-to your very table.

THE COUNTRY'S CHOICE BY 7 TO 1


And remember this: Of all the chicken noodle soup bought, seven cans out of every eight are Campbell's. It's growing faster in popularity than any other soup in the country! Won't you have Campbell's Chicken Noodle Soup soon?


## A CASITA in New Mexico



## DOROTHY TREVOR

T
HERE is an old song that sings the joys of owning a "shooting box in Scotland, a chateau in Touraine, a sunny little chalet in the Interlaken Valley, and a hacienda in Spain." The last can be realized without ever crossing the ocean, for tucked away in a corner of our vast Southwest is as charming a bit of old-world Spain as one could wish for.
Santa Fé, or by its more pretentious name, La Villa Real de la Santa Fé de San Francisco de

Assisi, is truly a Spanish city. Santa Fé has clung to its Spanish heritage for nearly four centuries, and has successfully preserved the atmosphere of the past by retaining an extraordinary number of old folkways and a leisurely way of living.

The peasant crafts that were introduced by the early colonists -the arts of rug weaving, tin work, and wood carving-still flourish today, carried on by their descendants who live contentedly


Tin, once the poor man's substitute for silver, is now the vogue for decorative accessories. Hammered designs and bright colors enhance mirrors and sconces


## JUST SPRAY ON WINDEX

Forget the heavy pail . . . the messy, soppy rags! Windex sprays on with a simple touch of your finger! Contains nothing to hurt hands or spot woodwork or drapes.


## AND WIPE IT OFF

No more rubbing till your arm aches Windex "miracle action" gets all the dirt off when you wipe with a clean, dry cloth! No other cleaner is made by the secret Windex formula.


WINDOWS SPARKLE . . . AND
STAY CLEAN LONGER
That's because Windex-unlike some cleanersleaves no dirt-catching film! Approved by Good Housekeeping . . . Windex goes farther, work better. Avoid weak, watery imitations! Insist on genuineW indexatyourneighborhood storetoday!

## WINDEX

Ask for it at the NEW LOW PRICE!


## NEW 20-OUNCE ECONOMY

 SIZE REFILL BOTTLErefills your Sprayer Bottle more than 3 times ... at $1 / 3$ less cost per ounce. Makes Windex even more economical.



Blue is for boys.
But tattle-tale GRAY for a baby? NEVER!


How do clothes GET tattle-tale gray? The answer is simple . .
Some soaps are plain weak-kneed-they just CAN'T wash clean!
So hie to the grocer's right away QUICK
And CHANGE to the soap that's specially built To wash clothes white!
Fragrant-AND CLEAN!

Change to Fels-Naptha-the lively GOLDEN bar
That holds grease-dissolving NAPTHA.
Two cleaners combined to make dirt fly!
EVERY sheet . . . EVERY towel . . .
EVERY thing in your wash will then stay Bright and SWEET!
And baby? She . . . or maybe it's he . . Will always look like an ANGEL!

## Banish "Tattle -Tale Gray"

 with Fels-Naptha Soap!TUNE IN! HOBBY LOBBY every Wednesday night. See local paper for time and station.


[^1]
beneath the shadow of the towering peaks of Sangre de Cristo. Furnishing a casita in New Mexico is a fascinating experience, for here you find the most unique decorative arts. No interior decorator need be called in to decide whether the rooms shall be exotically modern or rigidly period, for it is understood in the beginning that your home must be Spanish-Colonial, Indian, or a mixture of both. Half of the joy of living in a sun-drenched adobe in New Mexico is in being surrounded by these interesting, curious crafts.

The walls of the adobe houses are whitewashed, and this simple but effective treatment makes an excellent background for the charmingly unsophisticated native arts. Indian rugs, with their beautiful designs and rich colors made

The trastero, taken ixom old SpanishColonial designs, makes a useful cupboard. Note the arched top and primitive painting on the one at left

from vegetable dyes, are striking hung against the pure white walls, or in the rounded archways between rooms. Indian rugs are also used on the floors, and Indian blankets are thrown over chairs and couches.

The snug little corner fireplace is whitewashed like the walls. Often there will be a niche hollowed out in the chimney, an excellent resting place for a prized old santo. San Jose and Santa Maria preside graciously over the fireplace, and by their very presence seem to make the piñon burn brighter. Tablo and bulto santos are religious plaques and statues and are always found grouped


Against whitewashed walls are the typical chest, mirror-topped with an ornate tin arch, painted chair, and colorful Indian rug


Religious plaques, statues, and crosses are as much a part of Spanish decoration as corner fireplaces

Notice the tin sconce on the wall at left and the squat Itttle table with elaborately carved legs, below

TaIl, impressive cardiesticks on the mantel call attention to the fireplace grouping, bottom of page
around the fireplace, or bogar, by its Spanish name. These plaques are often beautifully painted and modeled, their colors worn by age to a mellow richness. The fireplace is often stepped down on the sides, and these steps provide an ideal place for the lustrous black bowls from the nearby Pueblos. An old iron kettle on a trivet makes a pleasing silhouette against the glare of the fire.
Scouting around for antiques is an exciting adventure. You go poking into quaint old shops (and Santa Fé has some very intriguing ones) for painted tin crosses, or old wooden ones inlaid with straw, for faded old
 blankets; for tin picture
frames of religious subjects which have always been so popular in the native homes.
Perched on the mountain sides are three little towns, Cordova, Truchas, and Abiqui, that turn back the centuries for us. In these
sunny places you may be lucky and return with an old chest, door panels, or gracefully turned corbels for the ceiling beams. You may find, cast out in the yard, a Spanish-Colonial bed that can be successfully cut down for a day-
[Please turn to page 102]



COME ALONG, INSPECTOR!
'High time you see the broken-down, pre-war utensils I cook with, my pet. Look at this ... and this ... and this. *

## Bring your kitchen up to par with modern ALUMINUM COOKING UTENSILS

Your cooking utensil equipment is a family affair. A thousand meals a year depend upon it for flavor, health, and economy. Read the paragraphs below to your husband, then ask him to team up with you on a really critical inspection of the most important equipment in your home. The check* list will help.


FOR FLA VOR-Aluminum, keeps food flavors natural. Foods look better, taste better because they cook evenly.


FOR HEALTH - The natural goodness-the minerals, the vitamins, the purity, are preserved in Aluminum.


FOR ECONOMY-A1uminum conducts heat faster. Cooks evenly enables you to use less fuel. No food spoiled.
*HANDY POT 'N' PAN CHECK LISTI
Sizes: $\square$ Too few $\square$ Too small $\square$ Too large. How they heat: $\square$ Too slow, waste fuel $\square$ Too fast, burn food. General condition: $\square$ Worn $\square$ Battered $\square$ Broken. Bottoms: $\square$ Bulged, wobbly.
Handles and Knobs: $\square$ LooseBroken $\square$ Get too hot, Lids: $\square$ Too few $\square$ Out of shape.
WHAT TO DO NEXT - Bring your kitchen up-to-date with Wear-Ever Aluminum Cooking Utensils. When you buy look for the Wear-Ever trade-mark. For 39 years it has buy look guided housewives to "Aluminum where to buy Wear-Ever, write The Aluminum Cooking know where to buy Wear-Ever, Wldg., New Kensington, Pa.
Utensil Co., 1604 Wear-Ever Bld Utensil Co., 16
"Wear-Ever"
Clenminerme atit test


Nowhere is your good taste more positively expressed than in your table settings. Never was there crystal more surely correct than "Master-Etchings" by Fostoria.

Each subtle tracery on finest, bubble-thin bowls is handetched... liquid lines frozen in glass... the language of flowers caught up in crystal. How lovely these are for your evenings of vivid entertaining!

Why need you deny yourself the luxury of Fostoria? "Master-
Etchings" are extravagant only in beauty. Prices fit even the most modest budget; for gifts, for keeps.

> Left to right above: Mayflower, Willowmere and Meadow Rose. Three of many open stock designs available at your dealer's. Write for a free copy of our fascinating brochure, "Four Hundred Years from Master Etchers to Master-Etchings." Ask for 39-E, Fostoria Glass Company, Moundsville, W. Va.

## DUTCH TREATS



HHow to have more parties for less money and trouble is solved by making them co-operative or of the Dutch Treat variety. All you need is a group of friends with the common purpose of having a good time. The expenses are shared, and that inevitable urge to make this party a little more elaborate than the last one is stifled because it really isn't the hostess' own party. Then, too, the couple whose home offers the logical meeting place-who have the swimming pool, the outdoor fireplace, or the recreation room-isn't always "it" when it comes to entertaining. (Even soft drinks or crackers and cheese, are a large item if they always come from the same pantry shelf.)
These co-operative parties can be as informal or as formal as you want to make them. A Sunday night supper can start from nothing more than the sight of a ham in the refrigerator and some 'phone calls to see who can bring along the sandwich makings and who has half a cake to go with the coffee. The most formal dance can also be run on the pay-your-own-way system, if you get a good business manager. The manager keeps a record of the cost of the cocktails before and the supper after midnight, together with any incidentals, and the result is a surprisingly small cost per couple for a bang-up party. Or you might follow the younger set's system of having two or three couples make the plans and hire a small orchestra and dance hall, and then run it off like a charity ball, selling tickets to friends.

Or again it may be a purely feminine gathering. One such luncheon club has gone on for years, meeting every week to sew and knit. The hostess serves a simple lunch and frankly adds up the cost and divides by the num-
ber of those present. Everyone has had a party, nobody has a nervous headache, and the lunch is bound to be a simple one, as luncheons should be.
If supper is to be taken out to the country or park, it usually works best to decide on the menu and have one or two people do all the shopping. For such a gathering this is more satisfactory than trying to find approximately equal items for each to bring along, as is more often the way if the party is to be at someone's home.
Special "ground rules" should be worked out to suit the purposes of your own group. For instance, in one neighborhood where hardly a week goes by without some kind of party (even breakfasts are pooled on occasion!), the group is kept elastic and interesting by the simple expedient of always allowing the hosts to ask as many outside guests as they wish. They may be included as sharers or invited as real guests to be "carried" by the hosts. At big parties, or where there are some who want to wine and dine more than others. we have another system. Wherever the bar is set up a pad and pencil are provided and drinks are signed up for, just as they are at a club, with the final reckoning based on consumption. Another hostess, tired of providing soft and hard drinks in endless variety, announced, "I'm providing supper and room in my refrigerator for whatever you care to bring to drink!"
You can see that the possibilities are unlimited. Have all the parties you want, and then still more-but make them co-operative. Whether you merely suggest that the crowd meet at your house and then go picnicking or whatever on their own or go so far as to donate the basement gameroom and the hot food, let your



WE'VE DONE IT AGAIN! Scott was the first to pioneer in paper towels, in roll paper kitchen towels, and the first to wrap inexpensive bathroom tissue. Now Scott gives you the first and only completely sealed paper towels!
Every roll of ScotTowels is now sealed at both ends with the new blue and white ScotTowel medallion-as thoroughly protected from germs and dirt as the packaged foods you eat.

You benefit by this new safety factor every time you prepare food, wipe your child's face or fingers, dry your own hands!

Why take unnecessary risks? Play safe! Get a supply of softer, stronger, more absorbent ScotTowels today-in the exclusive new dustproof package! 2 big rolls- 300 snowy-white ScotTowels-for only 254. Scott Paper Co., Chester, Pa., makers of Waldorf and ScotTissue.

## SEALED FOR THE USES WHERE EXTRA PROTECTION IS ESSENTIAL



DRAIN YOUR LETTUCE and celeryall the foods you wash and serve without cooking - on a thirsty immaculately clean ScotTowel.


SANITARY, ABSORBENT, linen soft -a ScotTowel makes a perfect bib and mopper-upper at orange-juice time...for any between-meal snack.

dRAIN OFF all the excess grease from your bacon-especially for the baby-on a ScotTowel, the kind you know is sanitary.


FOR DRYING HANDS and face the whole family will particularly enjoy having a roll of sanitary, clothlike ScotTowels in the bathroom!

## MAKE THIS WEIGHT TEST!

ScotTowels are softer, stronger, more absorbent and actually cost less, because each roll of Scottowels has 2 to 3 ounces more paper than the average.

guests carry their share of the burden. They'll seize the idea as the best you've ever had!
In planning menus for a get-together party, the oven-baked dish, which can be cooked in one kitchen and reheated in another, is a mainstay. This includes all the delicious scalloped fish and oyster dishes, as well as baked beans, meat loaf, and macaroni and cheese. Salads carry easily. The following menus are all suitable for co-operative preparation:

## Baked ham

Mashed sweet potatoes baked with crushed pineapple
Peas, beans, and carrots, scalloped in cream sauce, sprinkled with cheese Cole slaw

Hot rolls
Pumpkin and mince tarts
Prepared corned beef hash, in indiyidual dishes, a raw egg dropped into a hollow, seasoned, and baked
Radishes until set
Tomatoes stuffed with seasoned cottage cheese Celery

English muffins
Jam
Hot gingerbread with sauce or cream
Italian spaghetti with sauce
Cheese bread-French bread cut $3 / 4$
through in thick slices, spread with melted butter, sprinkled with grated Parmesan cheese and heated Green salad in a bowl
Frozen fruit-canned fruit cocktail poured into the ice tray, served with whipped cream Cookies
Scalloped hard-cooked eggs with bits of pre-cooked bacon Jellied combination salad
Sliced Tomatoes Corn bread Coffee soufflé

## Some games to play

Here are two drawing games that require a minimum of artistic ability and are good for groups of eight to twenty persons. Sit in a circle with paper and pencils. One person draws a picture, a single line at a time, jumping from one part of the picture to another so that it is not too easy to see what he is drawing. The person at his right copies the drawing, one line at a time, and so on around the circle, each person seeing and copying only the drawing on his left. It is very amusing to see how the finished pictures have been distorted.

$S^{\top}$tay in the same circle but get fresh paper. Everyone draws a small picture at the top of the paper and at the bottom writes its title, folding the paper under so it can't be seen. The papers are passed around, each one writing at the bottom what he thinks the picture represents and turning the paper under to conceal what he has written before he passes it on. When finished the papers are unfolded and the titles are read aloud, the true title last.
Limericks are fun to write, a line at a time. These should not be turned under, and an attempt to make sense should be made. Remarkably funny they can be, too. The Question Bee, so popular on the radio, can be easily adapted. with personal variations, for a group party. People love to ask or answer the questions.

## Buried Bells

Of all the letters I have received in response to my article, 'The Brotherhood of Bells,' published in the December, 1938, issue," writes Beatrice Plumb, the author, "none has so moved me as this one from Mr. George W. Drowne, of Florida, a former soldier."
"I hope you will pardon my temerity in writing to you. After reading your wonderful article in the December issue of The AmerICAN Home, I can not help adding my poor congratulations to the my poor congratulations to the
many you must have received. I read it during my brief lunch period in the shop where I work.
"What magic power do you possess that your words should stir me so deeply? I confess without shame that I , a common working man whose hands are scarred and calwhose hands are scarred and cal-
loused from years of toil- 1 , a hardloused from years of toil-1, a hard-
boiled veteran of the war whose sacrilegious guns destroyed the carillon of Yypres-I cried when I read your tale of buried bells! Not only while reading but all that afternoon as I labored and sweated the memory of your words brought tears to my eyes and an ache to my throat. I wiped my eyes furtively and blew my nose. The boys noticed my strange behavior and asked jestingly: 'Had I received bad news?' And I snapped back at them: 'I have a
cold, and what's it to you anyway? Can't I snivel if I want to?' Which startled them greatly as I am usually good natured.
"I was present when the carillon of Ypres was destroyed. (On April. 22, 1915.) I stood on the west side of the great square opposite the cathedral when the first shell from the mighty Skoda howitzers came the mighty Skoda howitzers came
plunging down out of the sky and plunging down out of the sky and
struck only a few feet from the noble tower that housed those ancient bells. Although I was some two hundred yards distant, the concussion of that tremendous explosion knocked me sprawling. The second shell bored through the roof second shell bored through the roof
of the Cloth Hall that stood close beside the cathedral. I am sure you will understand when I say that I did not wait for the third shell!
"We were rushed into battle that night. Five nights later we trudged back through Ypres. But oh! What back through Ypres. But oh! What
a difference! What had been just a difference! What had been just
five days before a smiling OldWorld city of some two hundred thousand contented people, was now a smoking shattered ruin! The ominous red glow of burning buildings reflected from rolling clouds of smoke lighted our way as we smoke lighted our way as we
tramped wearily through streets tramped wearily through $\begin{aligned} & \text { streets } \\ & \text { choked with debris. We skirted }\end{aligned}$ smashed wagons and carts, scrambled over dead horses, aye--and stepped over dead men! Shells

## "Mark my words, Susan... she's just plain lazy!"


I. gadding around all afternoon...land sakes! Her poor husband probably eats dinher from a can, and her house must be a sight!


4. "I'M ASHAMEDI" I told Susan. "Just think how long Fiddlesticks! Come on, let' Fiddlesticks! Come on, let's
do something about it!"
 Out Broiler. Baking is fun in the extrainsulated High-Speed Oven with famousRedWheel automaticheat control. Lifetime burners light automatically! Don't be a slave! Even if you live beyond the gas mains, Magic Chef and Pyrofax Gas Service are available East of the Rockies. See the Magic Chef "1939 Parade of Values" at your deal-

Says Miss irene Hickey, Home Service Director of Michigan Consolidated Gas Company Detroit: "When you see the CP seal on a gas range, you know that it has met 22 high requirements for 'Certified Performance.' Gas is your
 er's today. American Stove Co., Dept. L, 244 Chouteau Ave., St. Louis, Mo. See the Talking Range at the New York and San Francisco World's Fairs.
servant, and the modern Certified Performance ranges make gas cooking quicker, cleaner, more economical and more
effortless than ever before."

## SAVE WITH A <br> Magic Chef <br> THE GAS RANGE WITH THE "."w



MRS. POTTS WAS MAD AS A WET HEN!


1. With a clogged drain and a sink full of water, Mrs. Potts tells the landlord a thing or two about the plumbing.

2. Landlord arrives with a can of Drāno! In the drain goes Drāno -out goes the greasy muck!

3. Landlord explains how Drāno gets down deep and actually digs out the clogged part. Then.

4. Tells Mrs. Ports to put a teaspoonful down the drain every night and avoid clogged drains.

## Drāno <br> CLEANS CLOGGED DRAINS

 P.S. After the dishes-use a teaspoonful of Drāno-and avoid clogged drains. Never over 25d at grocery, drug, hardware stores.


Made especially for washing machines -tokeep them running smoothly and quietly. Its tripte Cleans, Prevents Rust and Tarnish
At Hardware,
Drug. Grocery Drug, Groce
io Stores.


Hawkeye Lanoprymaster
Hail the new Hawkeye Laundrymaster - time saver, work-saver, backsaver. Rolls easily in laundry room or along the line. Saves stooping, lifting, carrying-both in the laundry and while hanging up clothes. Basket is strong, smooth, roomy. Folding stand is quickly detachable. Sturdily built for long service. Price omplete- $\$ 2.25$


Dept. $10^{\circ}$
Burlington, lowa
Laundry master on 30
days free trial. days free trial.
BURLINGTON



## My husband planned

## A MAN'S HOUSE

MRS. O. H. SNYDER
$A^{\text {FTER }}$ years of dreaming about $A_{\text {a }}$ very feminine, intimate home, and thinking that when finished there would be yards and yards of lace and taffeta, I finally emerged with one of the most masculine houses you can imagine! This was due to my gullibility, the clever cajolery of my husband who would have a typical man's house, and the fact that I had no knowledge of blueprints and building materials.
From the plans on paper it looked as if it might be the average rambling, informal type of intimate house, but the final result was quite different. The exterior walls are reclaimed brick, laid very roughly, and standing on a hillside just outside of Dayton, Ohio, the house looks just as rugged as the surrounding coun-
try. When I stepped inside my new home for the first time and saw the effect of tile floors, plaster walls in most rooms with one of knotty pine in the living room, and beamed and planked ceilings, there was nothing to do but forget my feminine ruffles and take up the masculine decorating viewpoint. Now that it's all over, I must admit that I love it just as it is and am secretly glad it turned out this way.
Our living room has a brick and rough plaster fireplace large enough so I can walk around in it, and the rest of the construction features are equally heavy and masculine. In keeping with this spirit I had to use some quite massive furniture, antique Oriental rugs, Chinese skirts, and some Spanish shawls.
On this same main floor is the rest of our living quarters. The


In keeping with the massive architectural features Oriental rugs and bold colors were used

AS LITTLE AS \$71.59* A MONTH BUYS THIS DELIGHTFUL COLONIAL HOME ON YOUR SITE-Think of building and owning this traditional American homestead by Randolph Evans, famous architect, for as little as \$71.59* a month, 20 years to pay. One of 14 house designs in "The Home Idea Book." See coupon below.

## 

# How to Build and Own <br> Trithour the Suis bow <br> By Crawford Heath <br> <br> New Guildway Plan <br> <br> New Guildway Plan <br> name of The Housing Guild. Headquarters are at 

## Makes Home Building Easy. . .

 Convenient Monthly Payments$T$ ODAY, there is no reason why anyone with a few hundred dollars in the bank and a modest income cannot build and own a new house.

Until recently, the prospective home owner found himself exposed to problems about which he knew very little, with no place to go for help and informa-tion-no easy way to determine relative valueswhat price house he could afford on his income or what house design was most practical for him. Home financing was frequently hard to obtaina substantial down payment was usually required, and a costly second mortgage was customary.

## Now Easy to OWN-Buy Like a Car

Now, in a great measure, these troublesome problems have been solved. Now you can go to a local headquarters where you will find a complete "onestop", service in home building and remodeling. To provide this new, much-needed service, the leading architects, lending organizations, suppliers, realestate men and contractors in communities all over the country have banded together locally under the


your Johns-Manville Dealer. Here you can select from many attractive Guildway houses, designed by famous national and local architects, the home best suited to your own family and purse. You can also obtain complete plans, specifications and costs, and actually buy that house in a single transaction with satisfactory financing arranged for you on a convenient monthly basis.

## A New Approach to Building

Only you know what type house suits you best. But have you the latest facts on new low-cost financing-planning-modern kitchens, bathrooms, basement playrooms, attic rooms? Do you know that correct insulation pays for itself in fuel savings - costs less when building? Do you know about the many new materials that protect the house of today against fire, minimize upkeep expense? All these subjects and many others are covered in "The Home Idea Book"-the most helpful approach to home building or remodeling.

## You Need "The Home Idea Book"

More than 300,000 home owners have found "The Home Idea Book" a practical, usable guide to building and remodeling. Includes facts on modern financing-dozens of stimulating ideas-moneysaving suggestions -14 houses and floor plans by foremost architects. If you're planning to build or remodel, this book is the ideal starting place. Why

*These prices are approximations only and will vary according to locsl conditions. They are for houses only (not land) and include payments on principal, interest, FHA insurance, fire insurance and estimated taxes. It


KEEP OVERHEAD DOWN with this J-M Salem Asbestos Shingle Roof. Lovely as weathered wood-fireproof-little, if any, upkeep-"lifetime" protection.


PROTECT THE FAMILY HEALTH and save up to bills with J-M Rock Wool Rock Wool
Home InsulaHome Insularion. Helps
prevent drafts prevent drafts -cuts inside up to $15^{\circ}$ inhotup to $15^{\circ}$ in ho
test weather.

THIS GUILD SEAL identifies Building Headquarters in your town. Here you can btain advice on remodel ing - help in building and financing a new home


## MAIL COUPON TODAY

JOHNS-MANVILLE, Dept. AH-4
22 E. 4oth St., N.Y.C.
Enclosed find roe in coin to cover handling and postage for "The Home Idea Book," including 14 houses and floor plans and information on new remodel. I am especially interested in Home Insulation, $\square$ Insulating Board for extra rooms, $\square$ Asbestos Shingle Roof, A Abestos Siding Shingles, $\square$ Steeltex Plaster Base. (In Canada address Johns-Manville, Led., Laird Drive,

Name

Stree
City
State
JOHNS-MANVIThis aulowe matmans JM

## WHY MUST I ALWAYS WORRY ABOUT THE SUCCESS OF MY CAKE?



## A cooking teacher gave Jean a tip which should help all women who bake.




Jean: "Miss Mills, as a cooking teacher, your cakes always have to turn out right. But tell me, just how can you be sure?
Miss M: ${ }^{\text {a }}$ Many things contribute to cake results, Jean, but I have found that one is surer steady action baking powder."


Jean: "Why, that's interesting. What kind do you use?
Miss M:|"Royal, always. It's made with Cream of Tartar, and has a steady baking powder action that promotes a close, even
texture. I use it in my texture. I use in in my cakes have to be light and delicious."


Jean: "Well-me for Royal! But doesn't it cost more?
Miss M: "Per can, yes. But only a fraction of a ceme more per baking. The other ingredients to 40 times as much to as the penny's worth as the penny's worth
of Royal you use. It's poor economy to risk a failure."


SOMETHING YOU SHOULD KNOW


ROYAL is the only nationally distributed baking powder that is made with Cream of Tartar-a pure fruit product from luscious, juice-heavy grapes. ROYAL leaves no "baking powder taste." Ask your grocer for ROYAL when you buy baking powder.

A HELPFUL COOK BOOK-FREE If you bake at home, you should have a copy of the Royal Cook Book which tells you how to make delicious cakes, biscuits, muffins and pies. Send your name and address to Royal Baking Powder, 691 Washington St., New York City. Dept. 94.

[^2]
dining room, with the same rough plaster and beamed ceiling, and tile floor has heavy furniture and a handsome carved china cabinet. A copper corner fireplace adds in-
terest to the sun room, and the kitchen is just as modern and electric and bright as any you've ever seen. On this same floor we have two bedrooms with an ad-



# GARDEN PATCH SALAD 

Hellmann's or Best Foods Real Mayonnaise Hellmann's or Best Foods French Dressing 1 medium-sized head cabbage
$1 / 4$ cup cooked diced carrots
1 cup cooked peas $3 / 4$ cup cooked diced beets $1 / 2$ cup diced celery 3 tbsps. chopped onion Hollow out a firm head of cabbage, leaving a shell. Slice the removed cabbage very thin and put back in shell. Marinate carrots, peas and celery in French Dressing and place in refrigerator for an hour. Just before serving, toss together marinated vegetables and beets. Fill cabbage shell. Serve with Real Mayonnaise. Serves 6 .

## NEWLY-MARRIED NANCY LEARNS TH:




## Int thee Fresh, CRISP

FOR FIGHTING WINTER GERMS... The regular eating of apples lower intestine. Leading inate harmful germs in including those of the gort fact. nutritional ausekeeping Bureau, vouch for this sig

OD DIGESTION
" of Nutritionists call apples a great "normalizer helps Nutrition. This fruit is rich in pecte eating of fresh keep the digestive system acigestive tract of poisons. apples also helps
FOR NORMALLY ALKALINE BLOOD ... Apples are among the foods whent "acidosis." Apples are among elkaline, which help preven
blood alk
FOR FOOD-MINERALS ... -builder, is found in apples. And OOD-MINERALS ...
Calcium, the bone-builder, is found in apples.
the regular eating of apples also helps us absorb the
俍 Calcium, the eating of apples
the regulads.
calcium and iron in other foods

FOR VITAMINS ... Vitamin C is the great healthy, for building the body's ing teeth and bones heanow rated a good voramin A. resistance. Apples also are a good source of vitamin C. Apple

## PRROTECTIVE FOR DAILY BODIES ASK


cium and

W ${ }^{\text {E washington }}$ people teach our children a health habit we call the "Apple Hour." It works like this -

When the youngsters bounce in for Good Night kisses, we have ready a big bowl of cool, crisp Yellow Newtowns or Winesaps. Big folks and little all reach for at least one apple. We eat them slowly.

What does it do for us? Nutritionists have listed above some of the ways it helps our bodies.

They tell us the Apple Hour gives us additional supplies of the great
fruit vitamin C and vitamin A. And extra help in ridding the digestive tract of dangerous germs.
The Apple Hour increases the amount of protective food in our diet. Helps keep the blood normally alkaline. Helps us utilize food-minerals like calcium and iron.

Why don't you start a bedtime Apple Hour in your family right now? Make it every night regularly. We think you will find it pays. For free instructive booklet, write to Washington State Apple Commission, Wenatchee, Washington.
joining bath; all very masculine except for the sunken tub-1 did get my way there!

Three steps down from street level, we have a maid's room and bath, furnace room, coal storage space, laundry, my husband's workroom, and a two-car garage built on two lower levels.

Last spring we added the conservatory, with entrances from the living room and kitchen. There is a fountain with a mirror back, and palms, ferns, trees, and flowers from all parts of the United States. Since part of it is tiled, I do a great deal of sitting, knitting, and playing bridge in it. Since it is my husband's hobby, he digs, plants, and sprays from the daylight hours when he gets home from his office until "far, far into the night."
That is the story of how and why my house turned out to be just exactly what I didn't expect. The more I think about it, the more pleased I am that it happened as it did!

## Easter means vacation; <br> vacation means parties <br> [Continued from page 50]

like the party. Small chocolate eggs with names written on with yellow icing may be secured at any confectionary store at Easter, but just as attractive ones may be made right at home by using graham crackers, iced with plain butter frosting, with a nest of green coconut in the center. Fill the nest with tiny jelly eggs. Your children can do all of this. Though if you decide to write the guests' name on the crackers it might be a little too hard for small hands.
At each child's place have yellow snappers and paper caps which may be worn throughout supper and then home. These are oldtimers, but anyone knows that the old games and customs delight children most. Use whatever china best fits your Easter picture, if your budget permits; the heavy paper plates and cups that are decorated for just such parties will of course carry out your idea beautifully and please the guests. to say nothing of saving the dishwashing later.

The menu should be simple but adequate, and adequate at juvenile parties means seconds all around. Plan the menu around an appropriate color scheme and have food that your own children like. A suggested menu is:

> Creamed eggs on toast triangles Buttered asparagus tips
> Vanilla ice cream Rabbits
> Easter egg cup cakes Cocoa, with marshmallow bunnies on top Yellow and green mints

## Song of stones

[Continued from page 43]
Carkeek had never built a wall of this type before, with each stone tilted backward and with wide chinks and cracks between the rocks to be filled with plants, but he grasped the idea immediately and, as he laid the rocks, inserted a number of deep-rooting, rather shrubby plants, such as sun-rose, perennial candytuft, daphne, and lavender.
At last the final stone was laid, completing the harmony of weathered gray and lichen green. It was Saturday and Hester was there with an array of plants from a near-by nursery. She was a tyro but she knew from wide reading that she had everything an alpine specialist could desire except a moraine. And that could easily be managed with an underground watering system. An inspiration for the future!
There was full sunlight at one end of the wall, partial shade toward the center, and almost complete shade at the farther end. The cracks and crevices still unplanted were hungry mouths, yawning wide to be fed from the store of plant materials. Carkeek had placed at the bottom of each crevice some special soil composed of leaf mold, good garden loam, and bone meal, and Billings stood ready to water-in each vigorously rooted plant before Hester packed more prepared soil into the chinks.
First came the thymes, humble plants, close-hugging the earth and releasing at the touch of a foot a whiff of welcoming fragrance. They went between the stones of the steps and between the flat slabs of the path across the terrace.
The candytuft and sun-roses, which had been built in with the stones and which already were growing greenly, would later be masses of white, yellow, apricot, and rose-pink to accent the corner near the drive. Above them Hester placed the gray and lavender of nepeta and the silver of artemisia and lamb's-tongue in the light shade of a dwarf smoke-tree which she had found cramped and twisted in an abandoned dooryard. On the sunny south side were planted colonies of houseleeks, the little hen-and-chicken types which would soon tumble from crevice to crevice as happily as if they had always known that one home; also the cobwebby forms, so fascinating when spangled with dew. On this south side and swinging around to the front, she placed what would become a "vast entanglement" of stonecrops, fitting neatly into every cranny. Soapwort, and the Scotch and maiden pinks she planted on the very edge that their soft rosiness might min-


## Keep your men fit for BATTLEwith this energizing food drink!

Whether they carry school the average active boy 1 to 2 books or the responsibilities of the business world, men face keen competition...always. In competition, energy...the ability to outstep others...counts. And that's where Cocomalt proves one of your, and their, biggest allies. Here's why.

## A Source of Driving Power!

Cocomalt is a protective food drink, rich in energy-producing elements. For example, every glassful, mixed with milk, gives
hours of play energy (depending on age); the average man, $11 / 2$ hours of energy for desk work!
Grocery and drug stores everywhere sell Cocomalt. Get some today. Serve it to the whole family....with meals, when the children come home from school, or with a bedtime bite. They'll all enjoy Cocomalt's delicious flavor, and you can be reasonably sure they won't be "energy-starved"!

## Wothers! Every glass of cocomair with milk

 gives youngsters $/$ To 2 howrs of Play ENERGY.*

- The measurements of energy used in this advertisement bave been estimated by applying the energy value of Cocomalt to the energy expenditures of various occupations as covered in "The Fowndations of Nutrition" by Dr. Mary Swartz Rose, awthoritative sextbook in this field.


NOODLES are always BY ANN CARROLL
them with are always good eating - but For instance, Canned Pineapple? It's you ever served and vegetables, then fill your pet noodle ring with cream you'll like! heated in their then surround it with golden slimed sea foods Or with buttered noodles, give the Pineapple slices a sprinkles, of give the American cheese and slip them under the broiler until browned. Macaroni, spaghetti or noodles, done in a casserole with or noese, can take a topping of drained Crushed Pineapple put on before baking (or mix in some Pineapple Tidbits).
For a vegetabing wor a vegetable accompaniment with these casserole dishes, hollow out thick slices of large, cooked carrots, fill with drained Crushed Pineapple, dot with butter and heat. These Pineapple-trimmed dishes are good for you, too, for Hawaiian Canned Pineapple adds vitamins, minerals, natural sugars. So be sure you keep a good supply of Sliced,
gle with snow-in-summer and rock cress, both white and purple. Slightly back from the top she placed speedwell, that its clear blue might stand out against the soft gray of the lamb's-tongue. White rock cress, pale yellow alyssum, and various saxifrages were then planted in drifts among the evergreen stonecrops-all lovely pastel shades against the ancient gray rocks.

JUST opposite the entrance, Hester placed a treasure which she had found in the attic of the little Colonial house-a huge South Sea clam shell-doubtless brought to these alien shores by some New England sea captain as a memento of one of his voyages. It was now to act as a bird bath, so as exclamation points on each side she planted stiff little clumps of dwarf iris and snow-insummer, which later looked as if it foamed from the opening of the shell to drift over the miniature cliff. Among the purple iris, violas mingled with rosy soapwort and the misty lavender and soft gray of nepeta.
But the middle section of the wall was Hester's greatest joy. Here she planted the bluebells of song and story-the bluebells which she had loved best of all flowers since, as a tiny child, she had first seen them, inaccessible, on a cliff of the Olympic Mountains. Here she lovingly tucked in bluebells of Scotland and of Carpathia, bluebells from the Alps and from the high western mountain ranges. And there they nodded and swayed to a tune of their own, as carefree and gay as if they were flourishing on their native heights.
At the northern end of the wall, in the shade of great old maples, were placed native plants-ferns and Solomon's seal at the base and, in the crevices, rock ferns, bellworts, early saxifrage, pussytoes, and airy wild columbine.
And the wall is now a thing of permanent satisfaction. The planting, fostered by the stern old glacial rocks, grew and thrived. Beautiful when seen from the terrace where the soft, blended colors flowed toward the lawn, it is delightful from the lawn level. For, as you walk along the base, the alpine treasures can smile gayly right into your face, and-to end on a practical note-they can easily be weeded without backbreaking labor.

## Suitable planting list for a dry stone retaining wall

Bluebells or bellflowers-Campanula carpatica, caespitosa, garganica, piperi, portenscblagiana, rainieri, and rotundifolia
Candytuft (perennial)-Iberis sempervirens
Catmint-Nepeta mussini
Flax-Linum perenne

Houseleeks-Sempervivum tectorum and arachnoideum
Lamb's-ears-Stachys lanata
Madwort-Alyssum saxatile var. luteum
Phlox-P. subulata vars. alba and bilacina
Pinks-Diantbus deltordes, neglectus and plumarius
Plantain-lily-Hosta sieboldiana
Primrose-Primula veris
Purple rockcress-Aubretia deltoidea Saxifrage-Saxifraga virginiensis
Siberian bugloss-Brunnera macrophylla (formerly Anchusa myosotidiffora)
Snow-in-summer-Cerastium tomentosum
Soapwort-Saponaria ocymoides
Speedwell-Veronica repens, teucrium var. prostrata, and incana
Stonecrop-Sedum acre, album, spatbulifolium, stoloniferum, and ternatum
Sun-rose-Heliantbemum nummularium
Thyme-Thymus serpyllum and var. lanuginosus
White rockcress-Arabis albida, and procurrens
Wormwood-Artemisa albula (Silver King)

## I'm for the Amaryllis, Too

$A^{\text {mong all my plants, house and }}$ garden, there are none from which I get more beauty than my amaryllis, but I give them different treatment from that described by Mr. Steffek in the February American Home (page 81). I give mine sunshine all summer and they repay me in flowers. Some of my bulbs bloom only once, but most of them bear flowers twice a year-in January and again in August.
I do not give my bulbs a rest; they have leaves throughout the year. Just now, the middle of January, they are blooming profusely. I do not cut the flower stalk; I let it die down and give back to the bulb much of the strength it has given to produce flower stalk and flowers. I shall keep the plants green with water and fertilizer until warm weather comes, when they will be taken outside and placed where they can get full sunshine all summer. That is the time of bulb growth. In the fall, August or September, new flower stalks come and we have a fine crop of flowers I keep them growing and by January they are in flower again. I do not re-pot for several years; bulbs with crowded roots flower more freely.
1 have such an abundance of flowers twice a year and I believe I owe my success to the summer's sunshine, so I am herewith passing on my plan.-Mrs. G. H. Warne, Tipton, Indiana.

## HERE'S ONE YOU'VE NEVER HEARD:

"You see," says the perfect father-in-law,
"Servel can't make a noise because its freezing system has

## NO MOVING PARTS !"



I "listen to that, my children," beams the Old Boy "and then take back your nonsense about 'all refrigerators are alike.' Trouble is you young folks spend so much time being in love, you don't get around. Listen . . . don't hear a sound, do you? And if you come back here on your silver wedding day, you won't hear a thing either. Servel stays silent!"


2 "and talk about saving your money...this is the refrigerator that stays economical, too! They all run for a few cents when new, but Servel continues to run for just as little year in, year out. The folks next door had theirs for ten years and they say the gas bills don't vary from one year to another." With that he pulls out a tray of ice cubes with a flip of his finger. "Ever see an easier tray release, or roore cubes?"


3 "nothing in there to wear... that's Servel's secret. The freezing system hasn't a single moving part to cause noise or get inefficient. And you can see the reason why. That tiny gas flame does all the work! I ask you . . . could anything be simpler?"

MORE PEOPLE EVERY YEAR ARE REPLACING
OTHER REFRIGERATORS... with the refrigerator you bear about but never bear!

"Especially when you've already owned another type refrigerator. Servel s silence and freedom from wearing parts are
certainly apprecicertainly appreci-
ated. Ive never ated. Tve never
been more pleased with anything."-Mrs. E. Rokosny, 405 Jobn St., Harrison, N.J.

"Havingused several kinds of automatic refrigerators while living in apartments, I feel that my present Servel Electrolux is the perfect one, due to pendability and silence."-Mrs. A.C Ford, 742 S.W.VistaAve., Portland, Ore.


4 DON'T WAIT FOR FATHER-IN-LAW to put you wise to the only really different refrigerator. See Servel Electrolux this week... at your gas company or neighborhood dealer's showrooms. Get the whole story!
Remember, more than a million families have proved that this modern gas refrigerator is permanently silentand saves you more for more yearsbecause it freezes with no moving parts.
And remember, too-your own gas company offers prompt service facilities for every Servel Electrolux it installs.

For Suburban and Rural Homes,

## Models Run On

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Write for complete details to SERVEL, INC., EVANSVILLE, INDIANA

"I discovered a quick, easy way to serve a tasty meal ${ }^{11}$Eep Franco-American Spaghetti on hand. It's a lifesaver when you want a delicious meal in a hurry It's a grand money-saver, too, for with it you can prepare all sorts of delicious, appetizing dishes from less expensive meat cuts and left-overs.

Serve it as a hot lunch for the children. They'll be as enthusiastic as Dad over its zestful, savory cheese-andtomato sauce. A can all ready to heat and serve-more than enough for three -costs only 10 . Stock up today!


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## Franco-American SPAGHETTI

## ade by the makers or campbelis soups

Send bor Firee Recipe Book

[^3]Buried bells
[Continued from page 61]
blasted the tottering buildings, showering us with the dust of aged masonry and bits of roofing tiles. And we scarcely looked up! Five days and nights of furious fighting, (during which time we had eaten but once and had had very little water) had left the pitiful remnant of my battalion too sick and exhausted to care whether it lived or died. We passed the cathedral. What utter destruction! The roof gone. Its priceless stained glass windows were dust. Inside a fire burned sullenly. If a building can be said to have an expression, that House of God did! That centuries-old building, rearing its gaunt arms into the murky sky, the fire glaring through the gaping windows, seemed to say: "Why has this been done to me?" A look of surprised despair. Forlorn, is the only word I can think of. Used in its old Germanic sense. (Lost-but with a shade of hopelessness.)
"Two years later I was again in the 'bloody salient,' as the Ypres front was called in the British Army. I passed the remains of the cathedral many times and many times I sought shelter from screaming shell within its towering ruins. On one of these occasions I and some of my comrades found part of a great bell. I am ashamed to admit that I was one of the thoughtless vandals who helped to complete the destruction of that glorious carillon! But we were glorious carillon! But we were
young and youth has scant regard for aged things. Souvenirs we must have. There was only about one third of the bell intact. I battered off a piece of metal with the butt of my rifle. After nearly twentyfour years I still remember the queer feeling that rushed over me as I did so. I was ignorant of the value of that masterpiece but some small voice seemed to tell me I had committed an impious act. But, as I have said, I was young and in the midst of a savage war. I shrugged off that disturbing sensation. I had other things to worry about!
"I kept that fragment for fifteen years and after that lapse of time the broken edges were still bright. Sparkling as if the founder had lavishly flung a handful of jewels into his crucible to add brilliance to the tone of the bell. That piece of metal disappeared about eight years ago, much to my sorrow. Perhaps it is 'buried' now and will vibrate on this Christmas Eve in sympathy with thousands of other fragments scattered over half the world. A muted symphony for those with acute hearing. I could not hear it. The war made me deaf!"



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Libby's Baby Foods are prepared in a special way to make them extra easy for tiny babies to digest. First these selected vegetables, fruits and cereal are strained. And then they're put through an exclusive process of homogenization* which makes them finer and smoother in texture than the most careful sieving.

Ask your doctor when your baby can begin to eat Libby's extra-easy-to-digest Baby Foods. Offered in nine different


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In the best traditions
of New England
[Continued from page 24]
car garage, there is a $12 \times 14$ foot sunporch open on two sides, one giving a view of the front road the other facing the wide, terraced, tree-shaded lawn at the rear. This porch with its waxed stone-flag floor, forms a delightful outdoor living room (or sleeping porch on hot nights). as both its open sides are screened and hung with bamboo shades. With the bright chintz coverings of chairs and couches, it is a most inviting portion of the house, as well as being a protected passageway between the house and garage.

The garage opens on the side road leaving the front lawn uncut by any drive, making of it a shaded place for lawn chairs of an outdoor room. At the rear of the house, the lawn is built up on stone terraces and here large trees make this private retreat one of the home's best features.

The foundation of the house is of concrete blocks, the entire house insulated in all walls and beneath the shingled roof. It is such a well-built house that we found all flashings of copper, plumbing of brass, the gutters of solid fir, with interior walls of Sheetrock. vermin-proof and sanitary, the chimney of stucco, and the house heated by an oil burner automatically controlled.

THE interior of the house maintains the feeling of old Connecticut, the wide boards of the pine floors left unstained and only waxed so that their graining makes a pattern in the floor. The living room holds a charm all its own, in browns, tans, and the honey tones of its antique furniture of maple, which includes some modern reproductions. The curtains, an old peasant print in brown, reds, and cream, bring color to the walls covered with a scenic paper in buff and cream tones, the fireplace wall sheathed in pine enameled off-white. With the staircase winding up behind the chimney, it occupies but little space in this house where every inch is used to advantage. Even the archway between the dining and living rooms has been filled with bookshelves, their bindings blending with the colors of both rooms and the green, blue, and amethyst antique glass that fills the dining-room windows.

Opening from the dining room is the complete, modern kitchen planned for greatest convenience in doing any work there. Each piece of equipment has been placed to advantage so that range, sink, refrigerator, and work spaces are within a step of each other,


- Here's coffee! Rich with never a hint of "coffee pot taste" because it's made in crystal clean, non-absorbent glass! See the many coffee makers made of Pyrex brand glass. Take your pick of the famous Flameware items that go right over electric or gas burners. Also used for table service and storage! Corning Glass Work, Corning, N. Y.


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6-cup"Cornin" handle, chrome trim coffeemaker.Nometal for use as pitch- $\$ 179$ decorated $\$ 3.95 . \$ 3^{50}$
er $\$ 1.29)$. Perc.
Plain model...


Flameware 7 in . ( 1 pt. ) skillet or frying pan. Chrome handed tach able for serving 90

11/2 qt. double boiler. $11 / 2 \mathrm{qt.sauce}$ pan
bottom...... $\mathbf{3}^{45}$


Flameware covered New $121 / \mathrm{qat}$. Pyrexallsaucepan. Pouring lip. glass utility tea-ket-
Glass handle. Chrome tle. Chrometrim. CrysGlass handle. Chrome the.Chrometrim. Crys-


there being also an opening to the stairway that begins at this rear end of the living room. Near this stairway in the living room a short passage leads to a goodsize bedroom with its own bath and clothes closet forming a downstairs powder room.
With the second floor holding two bedrooms (one with a fireplace), bath, and with ample storage and closet space, this home of Mr. and Mrs. Hendrickson is convenient, compact, and livable as well as most pleasing in all of its details.

Running a library to buy more books [Continued from page 26]
on the job with an air of manly importance. As a further check on their books and what happens to them, Edith keeps a notebook in which are written the names of the children, the names of the books, dates loaned, and dates returned. They are allowed to keep the books two weeks with a possibility of renewal.

The residential section in which we live is a long way from the Public Library so that it really proves more convenient for the children to borrow at our house. Also it is a sociable sort of arrangement. Often they browse together a long time before making a final decision while the young librarians stand by ready to assist. Boys and girls ranging in age from six to twelve come to our door, yet they are usually quiet and businesslike in their behavior and somehow do not create the expected confusion. Perhaps our children realize that it is their responsibility to maintain order otherwise their library might not be allowed to function.

They are learning many lessons from this rather successful enterprise. It is giving them a new insight into the reliability of their playmates. Of course, one or two children have lost books and a few have not bothered to pay for the books that were overdue. The owners' reactions have been first surprise, then disappointment, and, finally, a firm stand that no further books should be taken by these offenders until their accounts were settled. It was a great triump for Edith when one little girl who wanted to take out an especially attractive book finally brought the money that she had been owing.

With the various dues collected Edith and Jim have already purchased two new books for their library. It had been their contention that stories of dogs and horses are always popular, so, after much shopping around, they chose two books in which these


## MIRACLE!

THE JUICE STAYS IN THE PIE!


RITZ RHUBARB PIE

## as Minute Tapioca $11 / 2$ tabies sugar $11 / 3$ cups sum <br> $1 / 4$ teaspoon salt <br> 1 teaspoon grated orange rind <br> ablespoon melted butter <br> 4 cups rhubarb (cut in

mbine Minute Tapioca, sugar, salt, orange rind, butter, and Combine Minute lapioca, sugar, salt, orange 9 -inch pie plate rhubarb; let stand $1 / 8$ inch thick, allowing pastry to extend 1 with pastry rolled $1 / 8$ inch edge back to form standing rim. Fill inch beyond edge. Fold edge baisten edge of pastry with cold with rhubarb mixture. Mastry strips across top. Flute rim water; arrange lattice of with fingers. Bake in hot oven ( $350^{\circ} \mathrm{F}$ ) and bake 30 minutes longer, crease heat to moderate ( 1 . measurements are level.
or until filling is cooked. Aie thickener that - Minute Tapioca is one ple thicker mar rich doesn't cloud the feeps the juice where you want fruit taste. Yet it keeps the to use genuine Minute Tapioca. some day soon with sweetened crushed
ries as a sundae-for a

ok book of 58 miracle-working recipes! Address FREE Brand-new $\quad \begin{aligned} & \text { General Foods, Dept. A.H. 4.39, Battle Creek, Mich. If you } \\ & \text { A. }\end{aligned}$ General Canada, address: Gen
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animals are the leading characters. It was their idea that the library funds should logically be used for the purchase of new volumes most interesting to all the children.

Experience is a great teacher and in a short time my children have become not only more discriminating and more appreciative of proper values, but better judges of character. They have also experienced the thrill of personal accomplishment coupled with a certain confidence in their own creative ability. Their pleasure in their own books is much greater and their interest in reading has been greatly stimulated to the benefit of all concerned.

Before the opening of the library Jim was rather disorderly in spite of all manner of effort on our part. Now he has pride in keeping his room neat because of his subscribers. Birthdays are not far away and I overheard Edith and Jim expressing a wish for more bookshelves for their big present. So you see the repercussions of this children's library are many and varied, but on the whole extremely beneficial. This library is worth many more shelves and many more books.

The garden center
[Continued from page 4]
terest is stressed in relation to the conservation of wild flowers and other natural resources, and roadside improvement. Subjects under this heading are illustrated by talks and pictures dealing with highway planting, billboard control, soil erosion, bird sanctuaries, conservation of Christmas greens, and pending legislation.
10. The center promotes better flower shows and encourages higher standards for exhibitors and judges. Lectures are given by authorities on judging as well as making flower arrangements. Assistance is given to chairmen regarding schedule-making, staging, management, etc.
11. Field trips are taken under the guidance of trained leaders, both for adults and, separately, for junior groups for the study of botany and bird life.
12. A demonstration garden is maintained, special emphasis being placed on the growing of new and unusual plants adapted to the vicinity.
13. Garden consultation service is offered at a minimum charge, usually of two types-one treating practical maintenance of gardens and the other landscaping problems and the simpler, basic principles of garden design.
14. Garden talks are sponsored as parts of radio programs, and monthly newsletters or bulletins are sent to various clubs in scattered rural districts and towns.

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- Hula Gri. Drawing by Covarrubias for the Hawaiian Pineapple Co., Ltd.



## Pioneering in <br> North Carolina <br> [Continued from page 29]

ing?" It's for indirect lights. There will also be lights in the niches under a shelf of translucent glass. When we finally figured out the simplest answers and a way of convincing people that it was to be modern and not futuristic, things shaped up to a way of answering themselves. With confident eyes we watched every detail from the pouring of the concrete in the basement foundation to the last coat of waterproof paint on the stucco-covered, hollow-tile walls.
In one wing of the L-shaped basement is the furnace, fuel bin, laundry tubs, servant's bathroom, and a photographic darkroom. In the other end there is space for storage and a rumpus room. The first floor has a main entrance hall, guest room, and bathroom, kitchen, pantry, connecting garage, and a large combination living and dining room. There is a front porch, screened-in back porch, and an elevated flagstone terrace. On the second floor there is a large master bedroom, dressing room, bath, linen closet, hall, nursery, and two deck terraces.
The notes listed below will give you an idea of the color schemes, general features that have proved satisfactory, and the method we employed for using the old furniture that we had with the new.

## Color selections

Guest room and bath: Colors inspired from Van Gogh's "Portrait of a Young Man." Ceiling and three walls painted (one papered) a light, butter yellow. Broadloom rug, figures in wallpaper and draperies of the blueish greens. Bath tiled and painted yellow with black fixtures.

Kitchen and pantry: White with shelf linings painted Chinese red to match curtains. Bright blue linoleum for floors.
Halls, living and dining rooms: Floor covering of two-toned dark blue. Draperies, hung from ceiling to floor, of beige moiré with satin stripes to match living room. Dining room painted a cobalt blue as in its key picture, Franz Marc's "Blue Horse." Niches and ceiling cove lined with light terracotta shade that is repeated from the living room and halls. This terra-cotta is the shade of crushed strawberries and cream, the ceiling is darker and connecting the two is a border (on wall and ceiling) of a still darker shade. Living room furniture of beige, white, and blues, and the dining room furniture of white.
Master bedroom and dressing room: Walls and ceiling in three


Libly's Peas really are unusually delicious, for Libby takes extra pains all the way through. Specially important-these peas are picked young, when they're sweet and tender. And Libby rushes the freshpicked peas to the kitchens, quickcans them to hold their flavor and nutritional values.
Ask your grocer for Libby's Vegetables. They all taste extra good!

The Parade of Progress of Nationally Known Grocery Products, now being celebrated, is dedicated to Mrs. America. See your grocer's displays

All Libby's Foods are carefully selected and expertly packed to geve you uniform fine quality and dellicious flavor the year around. TABLE-READY they save you time and bother. your meals with 33 MEATS - 8 JUICES PICKLES - OLIVES - CONDIMENTS (16 kinds)
RED ALASKA SALMON 9 HOMOGENIZED BABY FOODS
shades of a medium blue. Zebra figures cut from wallpaper and appliquéd on one bedroom wall. Furniture and slip-covers, gray. Broadloom rug, corduroy hangings, one chair and accessories of cathedral red.

Second bath: Painted and tiled gray. Tang red fixtures. Shower and window curtains of slate blue.
Nursery: Pastel blues and yellow. Lower wall painted blue, enter section several tones lighter with the top of wall and ceiling a still paler blue. The three colors are connected with a wallpaper border having a circus motif. Net curtains of pale yellow to match chintz chair cover. Blue furniture and darker blue rug. Day bed slip-cover of blue with yellow circus figures.

Trim: Woodwork, doors, and Venetian blinds of colors to match the room they are in.

## Furniture notes

For the master bedroom, a local lumber company made from our sketche: a bed, two end tables, a dresser, and a desk at a very nominal charge. With this we used chairs,-tables, and a chaise longue that we had before introducing the "Modern age."
In such cases the old furniture would have its "face lifted" and acquire new slip-covers of a Modern design. Face lifting consisted
of cutting the wings and backs from an old "easy" chair. Sometimes it meant taking off the lower wood frames or cutting down surplus curves, giving it an entirely different line and style. Slip-covers were the finishing touch that made the furniture harmonious to the general style throughout the house.
The nursery furniture was as new as its occupant, the lines straight and plain, and each piece very easy to keep clean-a necessary feature for such a room.
Eighteenth Century French furniture blends nicely with Modern. That was a good thing since we were compelled to use ours in the guest room-for the time being, at any rate.

THe living room things were new and Modern. The streamlined sofa is of beige Ilama cloth. Two large and comfortablestreamlined chairs have white leather arms with cushions in one of blue corduroy and in the other of deep terra-cotta llama. Odd chairs are in white leather and there is a pair of love seats that had their faces lifted beiore joining the new ensemble. Several odd tables and lamps of crystal and white complete the group.
The dining room furniture looked hopeless at first. Finally we eliminated several massive Italian
buffets and kept only a table and some chairs. Workmen seized these with a vengeance, sawed off curves, shaped down scrolls, took off beading, painted them white and added white leather seats to the chairs. When we look at it we can hardly remember our "country cousin" furniture.

## Features that have proved unusually attractive

1. All second floor closets, dressing room closets and storage space above them, cedar-lined.
2. Built-in book cases and drawers under corner windows. Built-in book cases in low partition that separates living and dining rooms.
3. Built-in drawers and cabinets for kitchen, pantry, and dressing rooms. All kitchen shelves have white marble tops.
4. Pantry has two special closets, one for glassware and the other is a cocktail closet. In the latter are kept accessories and ingredients, with shelves built on the back of the door to hold the cocktail glassware.
5. Living room has fireplace on opposite end from dining room. It is mirrored from ceiling to floor: facing is of black Belgium marble and it has a glass brick hearth. Besides being an attractive feature it also adds the illusion of additional space and af-
fords another opportunity for the very desirable indirect lighting. 6. Over "picture" window in the living room is a metal valance. The bottom of this conceals rods for glass curtains while the top hides electric bulbs that are the room's main source of indirect lighting.
6. All doors flush. Electric fixtures flush with ceiling, showing only the translucent glass and chrome trim. No moldings or unnecessary wood trim. All window sills are of blue Tennessee marble.
7. Besides the obvious advantages of the deck and lower terraces is the important one that the house may be enlarged at any one of these points, should the desire or occasion arise.
The expense has been no more to build Modern than it would have been for any other type house of comparable size. The time and trouble spent have made us more interested in and appreciative of every inch from basement to top deck. We are rather pleased that the Chamber of Commerce lists our house in its "Points of Interest in Durham, North Carolina." Now, after three years of living in a Modern home we are convinced that our journey has brought us to "greener pastures" and we are more than satisfied with the results of our "modern" pioneering.



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HODVER

Jade green carpet, oyster
white walls. Hangings, jade green taffeta. Uphol.
stery, yellow damask, and oyster white chintz patterned in jade
and yellow. These lovely colors call for Hoover Color-Cleaning.

## Smoke House

 into Doll HouseSUSAN JONES MEDLOCK

W. M. Anderson, Architect




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## RHEUMATISM HEADCHE

SIMPLY DO WHAT YOU SEE IN THESE PICTURES


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IF YOU SUFFER from headaches or other muscular aches and pain - such as rheumatism, neuritis or neuralgia then take a few seconds to look at the pictures above, and keep them in mind.

Countless thousands have found that the simple method pictured brings amazingly fast relief. Sometimes, if pain is very severe, you may repeat later, according to directions in every package of Bayer Aspirin.

So try this way to relieve the pain first - then, if headache or other pain keeps coming back, see your family doctor. Let him find the cause and give you treatment.
Why Bayer Aspirin Works So Fast Genuine Bayer Aspirin gives quick relief for two reasons - The nature of the pain-relieving element comprising Bayer Aspirin itself. And because Bayer Tablets disintegrate in the
stomach in a few seconds after taking. Thus they are ready to "go to work" with amazing speed.

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It costs only $2 ¢$ or $3 ¢$ to relieve most headaches - when you get the new economy tin. You pay only $25 c$ for 24 tablets - about $1 \&$ apiece.
What you must remember is to ask for Bayer Aspirin by its full name not just for "aspirin." You'll say results are remarkable.


## BRER RABBIT OFFERS A TROUBLE SAVER!

MOLASSES IKE TEOKX MEOKKIESS YOU MIX ENOUGH FOR A WEEK baKE THEM FRESH AS NEEDED


## MOLASSES

## ICE-BOX COOKIES

Put $1 / 2$ cup Brer Rabbit Molasses and $1 / 2$ cup shortening in large saucepan. Stir over low heat until shortening has melted. Remove from fire; stir in $1 / 2$ cup sugar. Cool. Add one egg, unbeaten; stir. Sift together $21 / 2$ cups flour, $1 / 2 \mathrm{tsp}$. salt, $1 / 4 \mathrm{tsp}$. soda, $1 / 4$ tsp. cloves, $1 / 2$ soda, ginger, $1 / 2$ tsp. cinnatsp. ginger, $1 / 2$ tsp. cinnamon, and add to irst mix-
ture. Form dough into ture. Form dough into rolls about 2 inches in diameter. Wrap in waxed paper and chin 3 to 4 on well-greased baking on well-greased baking sheet in moderate oven ( $375^{\circ} \mathrm{F}$.) 10 to 15 minutes.


THIS COOKY DOUGH keeps for a week or more. Just store in the icebox-and slice as needed. Have crisp, fresh-baked cookies in 15 minutes. No rolling . . . no cooky cutters.

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Your Name.
Address.


Antique hooked rug showing two cats and a floral border. From collection of authos

## The Cat in Decoration

## CONSTANCE WADDELL WINDE

There is no middle road regarding cats. It seems people either love them profoundly or dislike them heartily. I have friends who will go out of their way to speak to or stroke a cat and I know others who will take considerable trouble to avoid them. Cats may soothe or irritate according to one's own temperament, and it is only when you like them that they bring you real satisfaction and joy.

The Egyptians revered cats and appreciated their harmony of line as we may see from various forms of early art. A tablet, dated 1600 B.C., in the Berlin Museum bears the replica of a cat, and the Metropolitan Museum has a number of Egyptian bronzes that depict them in all their elegance and mystery. The Chinese or Japa-
nese, who speak of the cat as "the tiger that eats from the hand," have been particularly happy in creating fine porcelains, wood blocks, and etchings. Among the modern artists, Foujita has real understanding of the cat, and anyone who can own a Foujita is fortunate indeed. The early Italian and Spanish artists painted all manner of cats in their holy pictures; Benvenuto Cellini modeled them in many of his finest silver pieces, and they add that necessary homely touch to some of the most splendid paintings of old Flemish and Dutch interiors.

Literary and artistic temperaments are usually attracted to cats and they were the chosen companions of many famous men. The names of Pierre Loti, Richelieu, Cardinal Wolsey, and Dr.



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The American Home, April, 1939

## " SCREAMED SPLASHED WATER ON THE WALL" <br> WHEN GEORGE



The Bells have just remodeled their house, and invited us in last night to see it. They've gotten the most charming walls and ceilings with some new MASONITE colored boards. One room is done in buff, another in green, another in ivory and another in oyster white.


Just as we were sitting down in the living-room, George accidentally tipped over a large vase of flowers. The water splashed everywhere - and all over those beautiful walls. I screamed. George got embarrassed and immediately offered to have the whole room repainted.


Sam Bell just laughed. "No harm done," he said. "That color is put on by a special MASONITE process. A little water won't hurt it. You can even wash it with a damp cloth and neutral soap." Sure enough, the wall dried off and there wasn't a mark left.

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Johnson all call up furry little ghosts from the past, and it was no doubt the cat's serenity and reserve that appealed to these men of thought. Colette is a great lover of cats as her fascinating stories will testify, and I can recall at least one delightful portrait of her holding two wide awake cats in her arms. Cats are rarely embarrassed for they possess that natural poise that comes from knowing exactly what they want. The Siamese variety love to
 ing. owned by Mabel Osborne, and modern cat of bronze.

Group of antiques: pictureplate and cats of Whieldon make


French antique pottery pitcher: tail forms spout. From collection of Douglas Curry

talk or be talked to. I have had several and I know that they can converse; in fact they insist upon carrying on a conversation for quite awhile!

Apart from their companionship, cats have a distinct decorative value. We cherish the Siamese for its blue eyes and chiffon velvet fur of cream and brown as well as for its humor and friendliness-the Persian for its patrician ways and pensive beauty as well as for its independence and contented purr.

For those who love cats and cannot own them there are other ways of bringing them into the home. Modern artists find them intriguing subjects-the bronze replica of a cat, shown in the mid-
dle picture above, is a modern one. Could anyone ever tire of its serene beauty?

Why not make a collection of small pottery cats-Staffordshire, Whieldon, Chelsea, all made them; or hunt up some of those quaint Currier and Ives early prints of playful black and white kittens. Then there are delightful hooked rugs with cats featured in the patterns, so appropriate for a hearth rug. All in all, you will find cats in everything from pictures to pottery figurines. It is up to you, if you like, to fit them into your scheme of home decoration.
Indeed as Agnes Repplier, that great lover of cats, has so truly said: "Some gracious instinct binds her to the home."

## A modern adaptation of Colonial gardens

## [Continued from page 25]

hyacinths, and English bluebellspush up through the grass and add their color to the picture.

The grape arbor, opposite the row of fruit trees, is surely a combination of the useful and the attractive. Here, where green and purple grapes add their lucious beauty to the fall scene, is a cool, sheltered spot in which to spend the long summer atternoons and evenings. No garden of our forefathers lacked a grape arbor and there is no doubt but that we
would derive from one as much pleasure - practical, recreational, and aesthetic-as they.
The vegetable plots are placed at the back of the lot and separated from the rest of the garden by a neat hedge three feet high. This screens them from view from the house, thus obviating the necessity of having to look at empty, unsightly vegetable plots all winter. Of course, during the spring and summer months the vegetables make a pretty picture,

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Note reference to Classified in General Electric adver-
tisement on opposite page.
for each plot is bordered with flowers and the vegetables themselves are arranged attractively in rows. This becomes truly a decorative part of the garden as well as a very practical part, in real olden-day fashion. At the opposite side of the lot from the garage is a space for bush fruits.

A direct carry-over from Colo$A_{\text {nial days is the all-purpose }}$ "yard"-a generally useful place where work and recreation are concentrated. Here the practical service yard and the recreational terrace of modern gardens are combined, an especially effective treatment on a small lot where there is not room for a specialized division of space. On Mondays, the removable clothes rack may be set up here to dry the family wash; here the children may build their playhouse and romp with the dog; and the same spot can be used for dining, entertaining, badminton and what you will.
For warmth of color and enduring qualities the ever popular brick is used on the paths. There is something very cheerful and comforting about it, especially in the winter when its red tones contrast so sharply with the white snow, the deep shades of the evergreens, and the brilliance of the cold clear air. Enclosing the whole garden is the typical picket fence enlivened by the color and fragrance of Rambler roses, clematis, and Virginia-creeper. Originally fences were used to keep stray cattle from trampling over the property; now we use them to give us privacy and a background for our garden. So they retain their serviceability as well as their interest and cha:m.
As in gardens of early America, the symmetry in the garden illustrated is not exact. The central line is drawn directly from the middle of the house, as was the custom in Colonial gardening design. The scheme is bi-symmetrical basically, but not in detail. The allee of fruit trees on one side is balanced by the arbor and two trees on the other side. Never were the gardens of early America stiffly symmetrical. Rather were they of an easy-going formality carried to the degree called "seemliness" in those days.

Here, then, we have a garden $H_{\text {of vegetables, flowers, and }}$ fruits after the fashion of yesterday. But because of its pleasing arrangement and definite, though simple, order, it becomes more than a mere kitchen garden; it becomes a garden of interest, vitality, and charm. And that is why we so strongly advocate adapting old-fashioned gardens-they teach us that a garden can be at the same time attractive and useful, charming and unpretentious.



As soon as we began to plan our new home, we discovered the importance of walls. We found that a home is modern only when the walls give it these advantages:

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## The Metamorphosis of a Minnesota Farmhouse

POLLY L. ROTH

FOR a long time it was a fondly cherished dream of ours to buy an old house of firm construction and good architectural lines, and remodel it for a home. While making trips through various states, we would often see some old down-at-the-heel house that appealed to us both. Whereupon I would cry, "Oh, wouldn't that be an adorable house to re-make and live inhow lovely it would be with white paint, green shutters, and a quaint garden in the rear!"

However, the years rolled by, and the nearest we ever came to the realization of our dreams were hopes - hopes that sometime, somewhere, we would be really permanently located-so we could follow our heart's desire. Finally, three years ago, a vicious stab of misfortune and a conspiracy of events rendered it necessary for us to take up our abode on a 270-acre farm which we owned. The house on this farm was any-
thing but the house of our fancy -it could not have been further removed from the type of house we had always longed to make over. For thirty years, the farm had been in the hands of a series of renters and tenants, each succeeding one seemingly more irresponsible, negligent, and destructive than the last. Every building was in a deplorable state of deterioration.
We drove out from town, around the first part of March, to look things over, and get our bearings. The sight which greeted our eager eyes almost made us give up in despair. Everything was so sordid looking-mud and filth everywhere, inside and out. Windows were broken, plaster fallen-all in all, it was a sorry mess. We went back to our home in town, pretty blue and discouraged, and almost abandoned the idea of moving out to the farm. It all seemed too hopeless. We couldn't see our way clear to make the house habitable, make it a place to which we could take



Picture of a happy family that has just moved into their new "Window Conditioned" home.

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unit. Again, if you install automatic winter air conditioning, then "Window Conditioning" is vitally essential. Otherwise, extreme condensation will soil draperies, damage wood finishes and cause fogged or frosted windows.

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cur family, invite our friends, and call it "Home, Sweet Home."
In a few days, however, after studying our problem from every angle, we tackled the job. To begin with, in our favor was the fact that the house was of sturdy construction. It was of the ordinary ell-type, so frequently encountered in small towns and throughout the countryside. It had been built by my paternal grandfather, fifty years ago, so there was that bit of sentiment connected with it, which, somehow or other, seemed to lend us a bit of courage.

0VE of the first things we did was to cut down the overhanging eaves flush with the house, and finish with a molding. Near by was a detached summer kitchen, which we moved over and joined to the kitchen-dining room end of the house proper, thus creating one long room, 16 by 38 feet, which is our present living room. The old "parlor" we made into a dining room, and the "parlorbedroom" into a kitchen, thoroughly modern, with its worktables, cupboards, and storage spaces built in the labor-saving U-shape. We painted the sidewalls and ceiling in a soft creamy yellow, with all wood parts in a soft green. A hanging wall-shelf, bits of pottery, and containers are in Chinese vermilion.
We retained the general plan of the three bedrooms upstairs, but added convenient closets, a modern bath, and dormers, to admit more light and cross ventilation. We kept the old wide pine floors, painted them, and used ivory enamel on wood trim. Nu-Wood was employed for insulation and wall finish throughout the house. The living room and dining room have beamed ceilings; the wood trim is in walnut and butternut sawed from trees my grandfather, as a pioneer, planted over sev-enty-five years ago. New oak floors were put in the dining and living rooms. We discarded the old windows and installed twelvepane Colonial-type windows instead. A new vestibule was added in front and one in the rear. Under all we placed a full basement consisting of a large laundry, a vegetable and fruit storage space, furnace room, and a large wood and fuel room.
The heating unit consists of a hot air furnace with an extra large fuel door. In the two winters we have lived here, we have burned nothing but wood, which has proved more than satisfactory, even during the excessively cold winter of 1936. The house and all out-buildings are lighted by a windpower $32-\mathrm{V}$ plant, with 2500 wattage. This furnishes more than enough power for every need we have, taking care of all motors, electric iron, toaster, sewing ma-
chine, washer, vacuum, and other such equipment. Running water is supplied from a deep well by an automatic electric pump. Two summers ago, during the heat and drought that running water was more than a blessing in making our vegetable garden profitable and my flower beds beautiful.
We laid our stepping stone walks and set out the evergreen foundation planting. We tried in every way to cut down every unnecessary expense. My husband did all staining, varnishing, and painting, even the outside of the house which is pure wlite, with stained roof and green shutters.
On the north wall in the living room, between two windows, we had built open bookshelves, fifteen feet long, reaching to the ceiling. On the south side is a large open fireplace which adds greatly to the comfort and coziness of the room. We used a broadloom carpet in a running leafy pattern in two tones of soft green for the dining and living rooms. Venetian blinds in a peach-skin shade and simple rather severe draperies in tan and brown horizontal stripes, hung from wrought-iron rods, serve as decoration for the windows.
The entire inside finish seems to provide a setting and harmonious background for our combination of modern and antique furniture. There is nothing elegant or elaborate about any part of the house, but it makes a marvelously comfortable, homelike place which is both the envy and admiration of our friends. We have all the refinements of a city home, yet have the sublime peace


Here is the garden variety L-shaped farmhouse we had before remodeling
and quiet of the country. A radio, piano, car, and good magazines keep us constantly in touch with the world, and as for company, we keep open house and really have ten times the number of guests we had while living in town. Nothing could tempt us to abandon this transformed home where we have found peace, happiness, and contentment.
Now that we have seen the wonders worked by remodeling, we are very enthusiastic about it. Furthermore, the more varnishing and painting you do yourselves, the more your satisfaction!



This house has been styled with paint in a popular yet conservative color treatment which has been stepped up and modernized by accenting the door and shutters with red.

Give the house you love the best protection you can afford!
Living in a home of your own is one of life's richest experiences. As the years glide by, you find yourself thinking of that home as an old friend-a loyal friend for whom "the best is none too good."

In paint (lucky for you) the best is also the cheapest in the long run. By far the cheapest! Actually, you can use a famous, top-quality paint like Dutch Boy and pay less in the end than for some unknown, low-grade paint.
How Dutch Boy saves you money is shown by the two photographs on the right. Notice how the low-grade paint has cracked and scaled. Such a surface cannot be repainted until the old paint has been burned and scraped off. That costs money. So does the extra coat-the new priming coat-which will be necessary.

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## Knotty Pine for Rustic W alls

ENtirely in the rustic atmosphere of mountain streams are three cottages with knotty pine interior walls, planned by Mrs. Louis Cutlar, of Marion, North Carolina. Since each has been treated differently, they offer a variety of suggestions for all of us who appreciate the value of wood in decoration for our homes.

That stone and pine make an
walls are of rough stone and pine ingeniously put together. In Mrs. Cutlar's own bark cottage, the living room shows a more formal use of stripped pine. Notice that a fluted treatment of the pine on either side of the fireplace gives it architectural importance, at the same time drawing attention to the portrait which hangs above the mantel.

attractive combination is shown in the first cottage. Here the fireplace and its wall are impressive in stone. The other walls are vertical strips of knotty pine, with a horizontal border of pine just below the ceiling. The outside

A corner of the living room in a third cottage has pine in tongue and grooved siding with beveled joints. This simple treatment is pleasing and makes a perfect background for the plain mantel and wall lights.--Kathryn Cutlar

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## A beach home in Hawaii

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and full of Hawaiian hospitality Finally we found it! The house was well built and stood on a lot 400 feet deep with a beach frontage of 100 feet. Oh yes-it had its drawbacks, such as very dark rooms and old-fashioned lines. But with the aid of some friends who know all about interior


Two high-back chairs became smart modern chairs with table between. Daughter's room in royal blue and white


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decorating, clever design and color harmony, it was soon transformed into an ideal modern beach house. It took seven weeks for the carpenters to finish pulling nails and generally tearing everything to pieces, but it was more than worth it.
On the walls we used Canec, a wallboard made here of the sugar cane pulp. When well sandpapered, this takes paint beautifully and makes a smooth, soft wall. Then we had the walls of the living room, dining room, and lani painted a dull white which is never glaring, and the ceilings done in lemon yellow for a cheerful contrast. The cement floors are a rich chocolate brown and well waxed.
We had several outmoded big wing chairs which just wouldn't fit in with the modern scheme of things, so we had them cut into square modern lines and upholstered in a brown modern fabric. The two high-back chairs became smart modern twin chairs. You can see them in the photograph with a table between for accessories. The sofa is now done in a brown and white lily pattern. It also was cut to modern lines. An old rocker which anyone's grandmother would have loved is now a straight chair with a matching ottoman. Upholstered in yellow tapestry; it goes perfectly for our general scheme.

TTo co into more detail about the living room, I want to tell you that the bookcase is painted yellow to match the ceiling. The chairs have white leather piping. Notice that the cut-out doors have a fascinating bamboo design. The lauhala mats on the floor (these replace our-Persian' rugs, since sand from the beach is difficult to remove) are handmade by natives from leaves of lauhala trees. The coffee table is antiqued Philippine mahogany and unusual in design.
Our old oak dining room set has been given eight coats of enamel and antiqued white with a liquor-proof top. The chairs have yellow leather seats. We took a lovely landscape painting out of its gold frame and had it sunk into the wall. In the ceiling is a new square indirect light. Lauhala mats are perfect for this room too.
My twelve-year-old daughter's room seems very much worth mentioning. It has white walls and royal blue for the ceiling, chair, dressing table, bedspread, and window cornices. The draperies are white monk's cloth with blue brush fringe. A modern built-in bed with bookcases on two sides is convenient for her.
-Mrs'J. Harry Mattson

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## Georgian Adaptation

## Home of Mr. W. P. Goudie, Jr. in Detroit, Michigan

$\mathrm{H}^{\prime}$ERE is a substantial brick house which is a Georgian adaptation in design. The two attractive bay windows on the front flank the entrance door and not only lend balance and dignity to the house but admit extra light into the front rooms with their three windows. The doorway expresses the formality of this style of architecture. It is framed by fluted, wood pilasters surmounted by curved head trim. This derives from the classic form, the broken pediment, and is used here as a support for the wrought-iron lantern. All of the wood trim is painted white and so is the front door, which is unusual because of its
C. F. J. BARNES Architect

a large living room, a library, dining room, kitchen, and breakfast room on the first floor and four bedrooms and three baths on the upper floor. In addition to this space the basement contains a recreation room, laundry, and fruit room. The whole house has 35,280 cubic feet and cost $\$ 15,000$ to build during the summer of 1936 including a three-car brick garage. The planting at the front of the house is arranged formally and includes a blue spruce and other evergreens.

Jobn L. Coborn



HOW MUCH do you know about lighting your home? This man from the G-E Lighting Research Laboratories could tell you all about it. Compare your answers to the following questions with his accurate answers given below.

## QUESTIONS

1 The best light for reading is provided by

[^6]2 Check three places where a loo-watt lamp should be used in a bome

| $\square$ Clothes press | $\square$ Garage |
| :--- | :--- |
| $\square$ Reading lamp | $\square$ Wall brackets |
| $\square$ Hall | $\square$ Laundry |

3 A ioo-watt MAZDA lamp made by G-E costs...
$\square$ 75
$\square$ 35
$\square$ 15
$\square 608$
$\square 208$

4 Edison MAZDA lamps get brighter every year.
$\square$ True
$\square$ False
5 What does Light-Conditioning mean? A form of mild physical exercise
$\square$ Enough light in enough places for easy seeing
$\square$ A method of treating light waves

## ANSWERS

1 The shade of a tree in summer. However, an IES lamp is the best indoor reading lamp science has produced. Its light is ample, well diffused, and free from glare.
2 Reading lamp, garage, laundry.
3 Only 15¢
4 True. By actual test, Edison MAZDA lamps give more light this year than a year ago.
5 Enough light in enough places for easy seeing. You can start by asking your dealer for a "Light-Conditioning Package" of Edison MAZDA lamps in the sizes you need to make seeing easier.

150 watt . . . . $20 ¢$
100-200-300 watt
MAZDA three-
lite lamp....60 6
75, 60, 40, 25 watt ........ 15 \&


They stay brighter longer!
GENERAL ELECTRIC

Problem: a small house
[Continued from page 45]

INTERIOR FINISH-Walls and ceilings: one-piece Homosote; doors: one panel; trim: $3 / 8^{\prime \prime} \times 2^{\prime \prime}$; small bedroom on 1st floor, knotty pine, studio $1 / 4^{\prime \prime}$ Masonite laid in individual rectangles $19^{\prime \prime} \times 4^{\prime}-0^{\prime \prime}$; floors: oak.

COLOR SCHEME:INSIDE-Kitchen: cabinets, furniture and trimblack with red on mouldings; inside cabinets and counter topsred; walls-buff. Bath: walls-pistachio green-silver stars mounted on walls; trim-silver; fixtureswhite. Large bedroom: wallscobalt blue; trim-white. Small bedroom: knotty pine walls and furniture. Studio: tobacco brown walls; trim and wood beamscoral; fireplace-flat black-white mantel ; furniture (built-in)-redwood (varnished).

All ceilings white except that on front porch which is blue. Furniture, rugs, and hangings modern. The second floor is unfinished and is used as a work room at present.

The house was completed in 1935.

12,840 ft. @ \$.25........ \$3,200
With oil burner. . . . . . . . 3,500
Cost does not include grading or the price of the lot.

## Hobby rooms

for hobbies
[Continued from page 30]
the visual arts are mediums for exchanging ideas and emotions. No matter what one's occupation, whether salesman, farmer, physician, housewife, editor, banker, machinist, office worker, or whoever you happen to be, the return is invaluable.
Creative work discovers hidden talents; it also sharpens enjoyment for works of masters old and new and increases tastes for making the home attractive with all necessary forms of decorative art. Dynamic art hobbies teach people how to see, how materials must be handled in order to convert them into something of lasting interest and beauty.


## HOW STRONG IS YOUR ROOF



In the Northwest's famous national parks, cabins and chalets are buried deep under snow in winter and exposed to burning sun in summer. Park officials know that genuine Cedar Shingles "stand the gaff" and resist the severest storms in winter, heavy rains in spring and the hottest suns in summer.

## Tests Show that



## Are Strongest by Weight

The importance of strength combined with light weight of a roof structure is obvious. A recent test conducted by the College of Forestry, University of Washington, showed the following remarkable results:

> "A No. 1 16-inch Certigrade Cedar Shingle roof, laid five inches to the weather, was exposed to successive blows of a mechanical hammer weighing 7.33 pounds. These blows were increased a one-half foot at a time. At 66 foot-pounds (the capacity of the testing machine) there was NO discernible damage to the roof section. Hovever, this same test applied to two non-wood types in general use, punched throughthe one at 18.3 foot-pounds, the other at 29.3 foot-pounds."

In storms where hail, debris, tree branches and chimneys are apt to strike the roof, this factor of safety is of the utmost importance, especially when you consider that when a hole is made in an inferior roof, the wind can get in and tear the whole roof apart. For details, consult your architect or contractor.

Red CedarShingle Bureau, Seattle, Wn., U.S.A., or Vancouver, B.C., Canada
FOR GUARANTEED GRADES AND QUALITY, SPECIFY-


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 Welcome This Additional Safeguard Against Damage and LossIT COSTS MONEY to even learn 1 that a roof has failed. Water streaked ceilings, disfigured walls, damaged furnishings must be figured as part of the expense of roof failure! Thus when you select roofing for your house, you are in reality buying protection for your entire home.

Celotex, a recognized leader in the development of better building materials, now brings an improved type of Shingles Siding and Roll Roofing to American homes-materials with basic long life advantages. Made by theTripleSealed Process, and surfaced with minerals especially chosen for brilliant lasting color, these materials offer extra years of servicewithout extra cost.
So whether you are choosing a roof for a new home, or to replace an old roof that failed, get the utmost in protection for get the utmost in protection Jor
your roofing dollar. See your your roofing dollar. See your wide variety of colors and patwide variety of colors and-patterns of Celotex Roofing-and
get a cost estimate without obliget a cost estimate without obli-
gation. Or send coupon for gation. Or send
new free folder.

## What TRIPLE SEALED Process Does

Many roof and siding materials aid in destroying themselves! Tiny air and moisture bubbles, trapped inside during manufacture, expand and contract with heat and cold, weakening the structure and eventually leading to trouble! The Celotex Triple Sealed Process drives out pocketed air and moisture-gives 3 -way protection.


## I. INNER SEALED!

By special process, asphalt is forced into felt base from one side only! Air and moisture are driven out ahead of the asphalt.

## 2. OUTER SEALED!

The saturated base is next dipped in an asphalt bath-encased in a second

## 3. FACE SEALED:

Finally, a tempered mineral-filled asphalt coating is applied-thus forming a tough, durable third seal.

## Celotex

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## NO MORE CLOSET EXCUSES!

No matter how many and how large your closets, they are just so many square feet of waste space unless sensibly arranged and fitted to serve their exact purposes. It takes careful planning and a good supply of hooks, hangers, shelves, and drawers to keep things in their places and free from wrinkles, dust, or whatever. But all of this is really quite simple. What with all kinds of conveniences and



Courtesy, Knape \& Vogt Mfg Co.

you might use this space for an umbrella receptacle.) Scalloped and painted wood for the shelf trimming is not only smart, but practical too, as it is easily kept clean with soap and water. The other is a foyer closet done in deep rose and white. The shelf edgings are of wood. painted to give a corded effect, and the small shelf

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o stubborn windows that swell and ick when your home has Andersen arroline Windows. They glide on friconless metal weatherstrips, have true it weight counter-balancing that gives lifetime of trouble-free service. All the frames and sash are treated fainst moisture. The result-Andersen arroline Windows open easily in any nd of weather,
Notice in the picture above, the autiful narrow lines of the sash, a conruction feature in keeping with modern chitectural design. Andersen Narroline indows allow for plenty of light area, $t$ off curtains and draperies, add imeasurably to the loveliness of your me. Ask your architect or contractor out Andersen Complete Window Units.

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precision built and fitted enprecision built and fitted en-
tirely at the factory. Alt tirely at the factory. Ald
wood parts are toxic treated against termites, moisture and decay. Complete with grade "A" glass b
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Silver-Seal double action weatherstripping makes Andersen Narroline Windows weathertight. Heating costs will go down when Andersen stalled in your home.

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No worry about wet inside walls when rain drives
against your windows if you against your windows if you install Andersen Narroline Joint is leakproof.

 Tie Rack

Q
Tie Rack

## [1, NTH N

Hook Strip
under the mirror holds powder and other cosmetics which guests might find useful. When a room adjoining a closet is papered, Edna H. Kern, who did both of these, repeats the wallpaper motif on the shelves and painting on the back of the door-a very good idea for decorative effect.
Tie trouble, one of the most frequent in anyone's family life, is ably solved by a collapsible tie rack. It provides thirty-four separate spaces, remains in horizontal position when raised for selecting a tie, and then folds back flat against the closet door or wall, gripping the ties so they cannot slip or fall. There are also racks with less space, just as convenient, designed to hold fewer ties. Another useful gadget for a man's closet is a ring which hangs from the clothes pole and is perfect for holding pajamas, belts, scarfs, and the like.

Among the many more useful accessories is a utility rack, the shelf part making a fine place for hat boxes, and the clothes rod underneath providing for hangers. And if it's extra hooks you're



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$\$ 93.30$ ! And this means that the duplicate of this home would be insulated with Celotex Vaporseal Sheathing and $1 / 2^{\prime \prime}$ Vaporseal Lath in exterior walls, plus $1^{\prime \prime}$ Celotex Lath on the upstairs ceiling!
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your car finish smoon, (s)
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## Pitisburgh

CLEAN-UP AIDS
cleaners - waxes • polishes
needing, there is a metal strip of four which can be attached to the back of the closet door or to any woodwork.
When it comes to storing things which are used infrequently or only in certain seasons, protection from dust is of primary importance. For blankets there is an especially convenient cylindrical box of Plastacele which stands upright and therefore requires little space. Since the box is transparent, you can see what blanket is in it without removing the cover, and as it is moisture-proof it can be kept clean with a damp cloth. Cellophane garment covers, in sizes to fit anything from your ball dress to your husband's full dress coat, are inexpensive and certainly practical. Cellophane bags to hold things like, gloves that usually knock about during seasons when they are not in use are a great help, as of course are the Cellophane hat covers with a flat circular piece at the base which keeps the underside of the brim free from dust.
All of which leaves us absolutely no excuse for not having closets both practical and decorative, convenient and smart.

## Antidotes for a WET BASEMENT

V. T. H. BIEN

There is hardly a thing so detrimental to a house as a wet basement. It is annoying, causes injury to anything and everything stored there, precludes its use for recreational purposes, and makes the house all but impossible to sell. Most architects know the antidotes but it is just as well that the prospective owner be informed on the subject, the better to coöperate in insuring a dry basement.
Basements are wet from two causes: seepage of ground water and condensation. Of the two, seepage is more common and far more troublesome. For that reason condensation will be briefly discussed first, and after that we will consider the more important matter of seepage.
Condensation results whenever warm moist air comes in contact with a cool hard surface. Common examples are the so-called sweating of cold water pipes on a hot, muggy August day or the moisture which collects on one's iced-tea glass. This same thing may, and sometimes does, occur on the cool basement walls especially where there is not much air circulation to evaporate the water


- Drafts can't go through


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as it condenses. The remedy is good air circulation or some form of insulation or furring which will keep the moist air from reaching the cool surfaces of the wall.
As to seepage, most ground contains water. The deeper we go with our excavations, the more apt we are to encounter it. Inquiry in the neighborhood where the house is to be built will usually reveal the extent to which one may expect trouble. In general, low ground or ground part way down a slope, is more troublesome than a hilltop.
In coping with this trouble three methods are available: 1 . To lead the water away by means of drains to some outlet lower than the basement; 2. To seal it out with some waterproof membrane through which water cannot enter; 3. A combination of both methods.

It should be obvious that if water is present about a building, and one imbeds open joint drain tile about it in some porous material such as gravel and carries it to a suitable outlet, any water which may collect about the building will find its way into the drain and run off. It will therefore have no tendency to go through the walls, provided, of course, the drains are so built as to remain clear and open for free movement of the water.
I have known of houses in which the water level in the basement stood at two and three feet during construction. Prior to completion, drains were installed leading to a near-by stream or bank and all this water soon drained away and thereafter, without other than the usual pargeting of outside walls, the drains have kept these basements perfectly dry.
Sometimes it is impractical thus to lead the water away. There may be no suitable low point to which to carry it and in many communities, due to inadequate sewers, drains cannot be thus connected. In such cases sealing out is the only recourse. Sometimes, in loose or sandy soil, drains can be carried to a dry well where it will seep away. However if the soil is clay or hard pan, a dry well is of little avail. In such cases it is often possible to carry the water to a sump pit within the basement or at some suitable point outside where a pump either hydraulically or electrically operated can pump the water to the surface or to street drains where it can waste away or run off.

When such a condition is encountered a pretty good job of water-proofing is essential. In this connection, it may be said that while it is perfectly possible to make the basement as watertight as a boat there are precautions that should be borne in mind. I encountered one case in which

$\mathrm{W}^{\text {E'VE }}$ captured the breath-taking beauty of Nature's glorious hues and anchored it in durable Pittsburgh Paints. We've caught the brilliant color-finery of birds on the wing, the molten scarlet of summer's setting sun, the spun gold of aurumn leaves-to offer you fresh, exciting shades for brighter homes, for happier living!
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bLUE JAY DINING ROOM. (left) Here's a charming setting taken from the colorful markings of the Blue Jay. Main walls feature the deep blue of his body. Panels are done in a lighter shade. Contrasting tones of white bring out woodwork. Use two shades of Wallhide Blue Toner Intermixes for walls and panels. Wallhide Toner Oyster White Intermix and White for shelves and wood trim.

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Royal hues from luscious grapes lend a fresh beauty to this living room. The dark brown of the carpet emphasizes the white chair and lighter brown throw rug. Wallhide Peach and Chrome Green are the basic colors.


SUN-PROOF FINISHES bring long-lasting beauty and protection to this delightful home-protection that withstands the ravages of snow, sleet, rain and boiling sun. Over-all exterior is Sun-Proof Ivory. Shutters for the three upper windows - Sun-Proof Shamrock Green.


The bright hues of tropical fish bring a lively color motif to this culinary workshop. Their vermilion cast lends inspiration for walls and curtains. Use Wallhide Toner Vermilion, Waterspar OId Ivory and Apricot finishes.


For interesting information on Pittsburgh Glass see reverse side of page.

## Give it the glamour of and be proud to call it "home"

Each of your rooms can be made as joyously livable as those pictured here. Many other uses for Pittsburgh Glass are described in free booklet which is yours for the asking. Write for it.

breakfast should be a cheering meal. How could it fail to be in a charming room like this? PC Glass Blocks let in quantities of softly diffused light . . . yet close the room away from the distracting outside world, in private morning coziness. Use PC Glass Blocks in your own home for beauty, quiet, light and insulation.

night-blooming beauty through Plate Glass adds to the appeal of this conservatory designed by Architect Earl W. Bolton, Jr. Windows with shelves of Plate Glass create an interesting effect. Picture windows, corner windows, glass screens and table tops are other ways to use the bright polished beauty of Plate Glass.

this lovely living room in Sloane's House of Years suggests how you can use glass to make your living room more attractive. Plate Glass book shelves, a mirrored coffee table, Plate Glass mirrors surrounding the fireplace from floor to ceiling or a decorative Girondole wall mirror-the possibilities are practically endless.

in decorating hampshire house, New York residential hotel, Dorothy Draper used full-length door mirrors generously. What woman doesn't long for a mirror like this? Now she can have a Pittsburgh Plate Glass door mirror, readily attached to any door. Write us today for name of your nearest dealer.


A RECEPTION HALL can speak volumes for the charm of your home and its hostess. In W. J. Sloane's House of Years, a graceful gun metal colored mirror creates a feeling of spaciousness and loveliness. There are scores of styles and colors to choose from in selecting mirrors of polished Plate Glass to dress up your entrance hall.


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## "PITTSBURGH" Stunded or 2ualiat Glas

PITTSBURGH PLATE GLASS COMPANY PITTSBURGH CORNING CORPORATION
both walls and floors were made absolutely tight. Even though the whole lower part of the basement was immersed in water much as a boat is, not a drop came in. However, after an unusually long wet spell, the upward pressure of water under the basement floor became so great that in the dead of night it suddenly gave way and the water spouted up through the floor, geyser fashion, thus completely nullifying an otherwise perfect water-proofing job.

In another instance it was proposed to build underground parking space for government employees' cars in the Mall at Washington. It happens that the Mall is but a few feet above the water level of the Potomac so that most of the structure would have been completely below the water level and unless some means were found to anchor or weight the structure, the whole business would have come floating up out of the Mall lifting roadways, trees, and lawns with it. While it was perfectly possible to anchor it, to do so would have proved so expensive that the whole project was abandoned.

For these reasons it is usually advisable, when water conditions are bad, to combine a thorough water-proofing job with a wellinstalled system of tile drains about the building and criss-


A section of a house foundation showing outside waterproofing and the Iocation of drain tiles, and porous fill around the walls of a home
crossed under the basement floor, the whole system extended to a sump pit and from there pumped out. The following are suggested specifications:

1. Tile drains: Agricultural drain tile 3 inches or 4 inches in diameter should be placed about the outside of the burlding with joints open, i.e. the tiles should be about $1 / 4$ inch apart and should have a slope of from $1 / 8$ to $1 / 4$ inch per foot from the highest to the lowest point. No point should be higher than the floor inside
and no point lower thian the bottom of the footings. The tile should be covered to a depth of a foot or so with gravel, and above that cinders, sand, or other fine porous material to within a foot or so of the finish grade. From the low point, the whole system should be connected to glazed bell tile 4 inches in diameter, or larger if the building is large and water conditions bad. Whereas the joints in the agricultural tile should be kept open to admit water, the glazed tile are usually laid with the joints sealed with cement.
The joints of the agricultural tile should be wrapped with some porous non-corroding material such as copper screen strips about 4 inches wide to keep out foreign matter. There are special perforated collars on the market for this purpose, though sometimes burlap or tar paper is used in their place on the theory that after a time the materials about the tile will become sufficiently compact to prevent entrance of foreign particles after the burlap has disintegrated. As none of these materials will keep out fine silt it is well to give the drains as much fall as possible so the scouring action of the water will keep them open. And for the same reason it is well to have a bed, one foot or more in thickness, of fine cinders or sand above the gravel, to filter out as much of the silt as possible. In addition it is desirable to provide what are called clean-outs, or a line of tile brought to the surface at the high point and also at bends in the line so a hose may be inserted from time to time and the whole system thoroughly washed out with a strong stream of water.
2. Membranous water-proofing outside: First the wall outside from grade line to footings should be thoroughly cleaned and then plastered with a cement plaster coat $3 / 4$ inch thick and smooth enough to be free of roughness or projections. This plaster should be coved out over the footings so as to seal as well as possible the joint between the wall and footings. When this is thoroughly dry, it should be given one or preferably two applications of some proved asphaltum or hot pitch water-proofing. For more difficult conditions three or four plies of felt should be added and applied in the usual manner.
3. Plaster water-proofing: In the last few years several excellent plaster water-proofing formulae have been developed which may be used in lieu of the foregoing. However they are dependent for their effectiveness upon an unbroken seal; so if there is any danger of foundation settlement or expansion and contraction causing cracks, the membranous method is safer. It may how-


## KOHLER WELLWIN CABINET SINK

SHE Preparing meals takes only half as long since we got our new Kohler sink. Everything's right where I want it. Pots, pans, dishes in the roomy cabinets. Soap, dishmop, cleanser on the wide 3 -inch ledge. Two deep basins -one for washing, the other for rinsing and spraying make dishwashing much easier. Adjoining cabinets put the whole kitchen at my finger-tips. It's mighty seldom I miss that wonderful $7: 30$ radio program these days!"

HE "You should have heard the Dixons! Betty was really jealous. And as for John - he said he was going to install a Kohler Wellwin right away. He liked its clear, white enamel-so easy to keep clean; its big spout, spray hose for rinsing, and comfortable handles with their easy action. I told him that for lasting plumbing you can't beat the combination of Kohler fixtures and Kohler built-in fittings. John agreed. He knows a good thing when he sees it."

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ever, be added that the various plaster methods are quite as effective when applied inside, anytime during construction or after the building is finished. They provide an excellent solution in case trouble develops after the building is finished, thus avoiding the need for disturbing planting and landscape work. Indeed, if conditions seem favorable for a dry basement, one may even chance the omission of elaborate outside water-proofing and use the inside plaster method later in the event of trouble.
Inside water-proofing may be the same as that outside. However the plaster type is more suitable because the membrane type will withstand but little pressure, whereas the other will and can be finished with almost any type of plaster surface desired.
The foregoing should be used only as a guide, as it is better and safer to be guided by your architect or to consult persons who specializes in water-proofing, some of whom will give a written guarantee for their work. By employing such of these waterproofing methods as is best suited to conditions, one may be sure of a dry basement and one which may be developed as much as he wishes, and thus gain the advantage of a cool summer room or a cozy one in winter.

Have you a garage in your garden?
[Continued from page 35]
friend discovered a spray of wisteria more than a foot long growing into the little room over their garage!

If you like a variety of vines, you would appreciate the native trumpet-vine (Campsis radicans), whose tubular, orange-red flowers open in mid- and late-summer. It needs as much sun as wisteria and likes good rich soil, but it tends to run all over the place if you are not on guard. However, the blossoms surprise us when flowers are scarce, and the vine is interesting and picturesque.
As an annual covering for the garage wall, be it of brick, stucco stone, or wood, nothing surpasses morning-glories and moonflowers. The ordinary morning-glories will do if you desire a mixture of all colors with little or no work, and are willing to have them come up year after year; but use the Heavenly Blue variety if you yearn for pure, unadulterated enjoyment of beauty. [Since this was written the brilliant Scarlett O'Hara variety bas come into the picture to thrill anyone who wants real, glowing red.-Editor] Moonflowers are lovely planted among them, for

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they open at night when the mo:n-ing-glories' blossoms are tightened into twisted trumpets.

The delightful cups and saucers of cobaea (prounounced koh-beeah) feature that fast-growins, climber of the Phlox family. Although a perennial in its native tropical America, it must be treated as an annual in the North and should be started in pots under glass in order to have well established plants to set out after danger of frost is passed.
There are numerous lovely climbing roses which do well on trellises against the sides of brick and cement garages-and painted ones, too, but it is a shame to have to tear down perennial creepers every three or four years in order to paint, so quick growing annuals are usually more satisfactory.

Many people have the garage landscaped along with the house. clumps of evergreens being planted to hold it down to earth, as it were. This is nice for a rather formal house or where the owners are away most of the summer. As a flower lover, I like something a little less static in blossom time and therefore incline to different kinds of deciduous bushes interspersed among the evergreens.

Backs of garages, being distinctly uninspirational, lend themselves well to lilacs and forsythia. I am especially fond of forsythia in such a location. Common though it is, no yard should be without its cheery greeting in the spring, and as it grows in any kind of soil, even with only a little sun, the back corner of the garage is an ideal place for it to lead its rampant Bohemian existence. Lilacs, too, like to spread generously and should be placed where they will not have to conform too closely to a model planting arrangement. What better place for them, then, providing there is some sunshine, than by a rear corner of the garage? Feed the bushes with bone meal or rotted manure once a year, and occasionally with a liberal sprinkling of lime for dessert, prune them as soon as the flowers fade to prevent scraggly growth and you will be rewarded with rich, fragrant blossoms and heavy foliage. You might go one step farther and plant several of the rarer lilac species such as Syringa persica, or S. chinensis, or the later flowering S. villosa or the S. japonica.

You can use almost any kind of good-foliaged shrub to help beautify your garage: Japanese quince against stucco or white clapboard, for example; any of the graceful spireas arched against red brick: or a bush honeysuckle, deutzia, or weigela. If you like evergreen shrubs that flower and have an acid soil (usually found under oak trees), nothing is lovelier than a group of rhododendrons or kal-


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## BE SURE TO SEE PAGE 2

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mias. But if you use these against your garage, or your house, either, be sure to give them a site which is partly shaded, for they dislike scorching sunlight and also need protection against high winds.
Perhaps yours is a Cape Cod type house. Then the south side of your garage might well be guarded by a small army of hollyhocks. If your yard is unusually small, you could let part of your mixed perennial border back up against the garage. If it happens to be near your kitchen entrance. the space beside it makes an ideal spot for a little herb garden. Most of the herbs, such as lavender, summer savory, sage, and parsley need full sunlight; but mint and chives and thyme will grow with some shade. All of them prefer an ordinary garden soil.

Graced with a few vines, the sunny side of your garage can be. indeed, a background for almost any type garden. Thus the whole building, if given thoughtful consideration, can be turned into a stronghold of beauty instead of something that is merely tolerated as a necessary evil.

An amateur's roses
[Continued from page 17]
in March, before there was any sign of the buds starting. Of course that winter (1936-37) was very mild, but we did have some cold weather in March. Anyway, the early uncovering seemed to be very successful; I shall stick to it. In pruning, my practice differs from the advice usually given. I prune hard in the fall for two reasons. All the plant above the soil line is doomed. ( 1 am speaking of hybrid teas.) If long canes, often 4 feet or more high, are left. they -are whipped about by the fall and winter winds, break off, and loosen the roots in the soil. Why not cut off these long growths, which will die anyway, and keep the roots firmly settled? So I do that and see no reason to stop. Of course, there is a little trimming of winter-killed wood to do in the spring, but not much.
After the bed is leveled off, comes the time for cultivation and mulching. The usual advice is to put on peat moss, lawn clippings, or other litter, to conserve moisture and keep down weeds. First, in my experience. a mulch doesn't keep down weeds; they grow through it. Second, as a boy I learned that a hoed crop must be hoed. Any farmer knows that a thorough cultivation is nearly as good as a rain in its effect on the plants. Third, I like to be in my garden and prefer it to golf or tennis. So my roses are hoed. I try to do it every week or two and after every rain.
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Fertilizing is very important. No plant can grow without being fed any more than an animal can. But the greater part of a plant's food comes from the air, as carbon dioxide and from water, and I believe fertilizing the soil can be overdone. The main functions of soil are to hold the roots and retain moisture.

Tn the fall, when my roses are I hilled up, cow or pigeon manure, or both, is spread thickly between the hills; in the spring it is left there and covered with the soil drawn away from the plants. If there doesn't seem to be much fibrous matter in it, some of the straw is also buried to rot and form humus which is the principal water-holding substance in the soil. If there is plenty of humus, drought is not to be feared. I am not sure about all the functions of humus, for it has many uses, but I keep my soil full of it and use no other fertilizer.
If manure were no longer available, 1 would apply dead leaves or hay freely; or perhaps peat moss and hay, and maybe a chemical fertilizer, carefully. Chemicals can be harmful if used in excess. The result of all this? Healthy, dark green foliage on canes four feet or more tall, a bed that is
pleasant to look at, and more flowers than I can use. In June every receptacle in the house, including the cocktail shaker, is overflowing, and plenty of roses either wither on the stem or go with me to the hospitals. In summer an occasional flower comes that the Japanese beetles overlook; and in the fall, when those pests are gone, there are enough blooms to decorate the house until hard frost. Even then many buds are killed unopened.

It is obvious that I am not a scientific rosarian. I don't know the pH of my soil; I am ignorant of the symptoms caused by the presence or absence of the "trace elements" in soil or fertilizer; 1 don't try to count the number of blossoms obtained per month or per plant, I would not be eligible for the Dayton Rose Club that Mr. O'Brien writes of in the 1937 Rose Annual. I could get, perhaps, more (and certainly finer) blooms by coddling, disbudding, and stimulating. 1 have never competed in a flower show and wouldn't know how to prepare the blooms for exhibition. But I do get lots of fun, a certain amount of exercise, much satisfaction, and a superfluity of beautiful flowers for decorations and to give away And all from thirty bushes!


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Here is your chance to get valuable, practical information on termites. This new, illustrated book explains the insidious work of termites . . . shows you how to detect their presence. .. tells you how to stop their damage before it becomes serious!
"How to Detect Termites" has just been published by Terminix, a division of E. L. Bruce Co., largest maker of hardwood floorings. It is based on the experience gained by the world's largest termite control organization, which hasinspected over500,000 which hasinspected ove
Send for your free copy now! Don't delay. Page 14 alone can be worth hundreds of dollars to you. Just mail the coupon.
*Termites are tiny insects which nest in the ground and tunnel up into of structural wood members.

## TERMINIX E A Anibabor



Casita in New Mexico
[Continued from page 57]
bed, which, when covered with a soft-hued blanket of rose and turquoise, will fit beautifully into a corner of the living room.

In these little isolated towns are wood carvers, who, in the perfection of their carving, remind you of those from Oberammergau. They make chairs, tables, and chests, but best of all they love to carve religious figures. Even insomnia might disappear if we slept in beds guarded by the prophets Matthew, Mark, Luke, and John. At a word, José Lopez will carve just such a bed.

One of the most attractive and useful pieces of furniture is the trastero, a spacious cupboard with paneled doors. Spindles are often set in the top of these doors, and above may be the arched half of a rosette that is found everywhere in Spanish decoration. This type of cupboard is stunning in a living room for books, or a dining room for dishes. The interior is often painted a bright red which is most effective when the doors are left open. The modern radio cabinet, which otherwise would be an anachronism in a Southwestern house, can easily be fitted into a trastero and hidden.

Chests are marvelously useful things, for they hide so many household necessities. The Span-ish-Colonial ones vary from huge grain bins to beautifully carved chests for clothes, with handwrought locks, keys, and hinges. Some will be painted with birds, flowers, trees, and scrolls, patterns similar to those embroidered on the old colchas, or bedspreads.

Carved chairs with high backs and twisted legs (made of native pine), little squat tables with spindle insets, carved benches or bancos for along the fireplace wall, and shelves with scalloped edges are important in adobe homes, and are attractively different from most furniture in other parts of the world.

FOr several centuries native men have made a wide variety of things out of tin. When the Spanish Dons came up the Turquoise Trail from Old Mexico, they brought with them heavy silver bowls, mirrors, and candleholders, but tin had to serve as the poor man's substitute for silver. Today it is the vogue in nearly all Southwestern interiors. Tin candelabra, chandeliers, and wall-sconces have been wired for electricity and fit in well with the simple, rather primitive interiors. Designs are hammered into the tin, the edges are often fluted, bits of glass are introduced to reflect the light, and color is of ten added to the design. The tin mirrors are


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really lovely. Some of these are elaborately executed with scrolls down the sides, arched tops ornately designed, and candleholders attached to the sides. Many of the older mirrors had strips of wallpaper beneath the glass edge of the frame. Tin lanterns are very effective when hung on the portal, or in a hallway, the glass of these lanterns being painted in bizarre colors in a zigzag pattern.

On the walls of the adobe home hang Indian paintings, made by Indian artists of the various Pueblos. These paintings are extremely decorative and very interesting in themselves, for they usually depict Indian dances or symbols. They are painted in a flat, simple style in the purest colors on a white background.

In New Mexico you decorate the outside of your house as well as the inside, for in the fall one hangs bright red ristras of chili made lei-fashion and strings of colored Indian corn from the projecting vigas. The portal is an important feature of the New Mexican house, for it is really an outdoor room. The walls of these portals may be kalsomined turquoise, light yellow, or salmon pink. Horrible? No, delightfully effective! Often the portal will have a little corner fireplace, and nothing is cosier on a brisk autumn day than a warm piñon fire, and tea on the portal. Geraniums in tin pots, large Indian ollas, and native-made raw-hide chairs make it a colorful, livable place for year 'round enjoyment. Right from the front door through to the last and smallest room, the house is very bright and festive.

## Texas ranch <br> house rally <br> [Continued from page 38]

pot and brass skillet hanging at either side suggest the charm of fireplace cookery which the owners enjoy. A dining alcove opposite the main entrance gives depth to that end of the living room.

In the kitchen, paneled in knotty pine, another recessed feature is unique. It is a charcoal oven of firebrick. A niche, two by three feet high and two feet deep. presents horizontal partitions. The bottom tray is for charcoal while the upper wire shelves are for broiling or roasting meats. Placed at the side of the gas stove, it is accessible for the housekeeper as she prepares other foods. The glazed brick floor is one colorful note, while utility achieves a gay decorative note in the high narrow shelf for jellies and preserves.
Dormer windows and their inclusive ceiling effect are also used


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in the guest room treatment, pulling in the ends of a long room to more pleasing dimensions. A long, outside wall has exposed rafters on painted paneling. The other three sides are papered. This contrast in wall treatment is effective.

The Leslie Waggener house is one of the first new houses to hark back to its own Texan ancestors. Knotty pine paneling prevails and its lustre is liquid like that of east Texas ribbon cane syrup. A lowbeamed ceiling in the living room is painted, then rubbed to an old white. The floors in this room are of random-width oak, hand pegged, a sentimental hang-over of the earlier puncheon base. Careful aging of all wood and finish thereon is conducive to a long-lived-in appearance.

The house lends itself to the hobbies of its mistress, one of which is collecting. Toby jugs on the bookshelves, old glass tumblers and bottles on window ledges accent the simplicity of the furnishings. A wagon cross-yoke, wired and studded with hornlike globes hangs from the living room eiling. Ironic, perhaps, that labor's yoke becomes another's light.
Of unusual interest and decidedly in keeping is the old-fashioned corner fireplace in the dining room. Cattle brands from irons used formerly on family ranches are displayed across the front. Five panels preserve as many brands: the rocking chair, the lazy H , the coffee-pot, and two-letter combinations.
A same inviting comfort pervades the entire house. One chooses first this and then that room in which to settle himself with a good book before an open fire. On one hearth, apples and a brass bucket of pecans (from the ranch) add their tangy bit to the gathering charm of this house that beguiles one to stay a while.
Unsuited to the Deep South proper because of dense verdure. low draws, and other natural land features of Dixie, the ranch house revival seems the architect's answer to urban dwelling needs in Texas. The topography of the whole Southwest being as it is, this style suits the unbroken plains that as building sites permit, in fact demand, free play for the Gulf breeze. Mr. Williams and those architects who are following in his footsteps have avoided, thus far, all rococo effect in decoration, believing that restraint is more beautiful. Clients have caught this feeling of honesty in detail and are proud of the good lines alone that distinguish the ranch house and present Texans at their best.
Editor's Note: If you have read this story with interest, you will want to refer back to our March issue-the all-California number -in which were shown a number of ranch houses in the far West.


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## I thought my husband




You could have knocked me over with a feather when my husband said there was something I could do to make our home safer and more secure. After all, like most women, I believed I was doing everything possible


## But he was serious

And he convinced me that the woman should take care of the insurance for the home. Women buy practically everything for the home-know values better - know what it would cost to replace anything burned or stolen. Women, alone, know enough about the home to get insurance protection that fits like a glove.

## Now we're both better off



An architect builds

## his own

[Continued from page 20]
from the cellar with a minimum of the dust and inconvenience which logs invariably create.
There is room elsewhere on the first floor only for a gleaming, cheery compact little kitchen and a light and pleasant entry hall leading to the much-used side door. There is much charm in the quaint box window in the hall. Between the double panes, oldfashioned glassware sparkles.
The second floor includes a master bedroom, child's bedroom, guest room, and bath. On the third floor is a separate apartment, occupied by Mrs. Berrall's father. Thus careful planning has given large-home utility and comfort to a dwelling of small-home proportions.
Four-inch wool insulation throughout keeps every room comfortable and adds to the feasibility of the gas heating system. Storm windows help to keep down heating costs.
There's one more feature (call it a gadget too, if you will, but it's certainly delightful). If you have noticed the picture of the kitchen, you have probably wondered about the inscription running about the upper wall. It reads, in full: "Eat ye that which is good and let your soul delight itself in fatness." This hearty, cheerful little sentiment is quoted, in case you haven't been able to place it, from the Bible.
-Charles B. Coates

Minimum space
[Continued from page 49]
This is the arrangement I find very satisfactory. On the top shelf, which is narrower than the one below, we keep things bought in quantity like soaps, tissue, cleaning powders, and also infrequently used materials such as floor wax and stain removers. On the second shelf, which divides the closet into two main parts, is the electric iron, a small box of tools, a box of clean cloths, and the water sof tener.
The three narrow shelves at each end are used to store more soap, an abrasive, sand paper, the can for the dust cloths, and the shoe cleaning equipment and all the polishes.
Between the narrow shelves and underneath the wide shelf is ample space for hanging mops, broom, and the dust pan. To conserve space and make them last longer, my mop and broom handles have small rings to hang on hooks. (Instead of the rings, short loops of

cord may be run through holes drilled near the ends of the handles.) My ironing board is placed with the cloth side to the wall, away from any dusty equipment. The electric sweeper and accessories fit under the low narrow shelves, and its hose hangs on the inside of the closet door.
Now my neighbor plans to profit from her advice and our experience and have a similar closet! Hers will be made of wallboard, which is not expensive, and the shelves will be arranged somewhat differently to accommodate her different types of supplies.

## A small business

## center for a BIG BUSINESS

I like jobs such as writing letIters, checking bills, making a grocery list, or copying a recipe. They take only a few minutes and a minimum of effort when materials are convenient and there is a restful spot to work in. This "restful spot" is very important, and though it need be only a few square feet in area, it must be just as convenient and efficient as a man's business desk.
My business center is the end section of the cupboards in the kitchen, a small desk twenty inches wide built in with the cabinets. The space between the work surface and the cabinet above is set apart from the food preparation center by the same board that divides the cabinets. The space is 18 inches in height and 11 inches in depth and contains four compartments. The writing surface is merely the continuation of the work surface and is the same width, 22 inches.-Ethel Owen Adair, Stuttgart, Arkansas pictorial book "Canada Calls You". It has hundreds of dynamic photographs; action shots; scenic shots; closeups; vistas.
It describes and illustrates every section of this broad vacationland and tells you how to get there across a friendly border devoid of red-tape. Send today
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# "THAT'S NO WAY TO TALK TO A LADY!" 

" ${ }^{\text {F a woman wants a kiss . . . she wants a kiss, not a }}$ blueprint! What I'm getting at is that you automobile people don't seem to understand women. We want results, not diagrams . . . facts, not names!
"Why should we try to understand Chrysler Floating Power, when what we are really interested in is the velvety smoothness it gives a Chrysler engine? Why tell us a Chrysler has 100 -or 135 -horsepower? What thrills us is the way it scampers up the hills and away from traffic.
"Why talk to us of dynamic symmetry, when a glance at this lovely Chrysler tells us that it is thoroughly beautiful and completely modern?
"And as for describing 'luxurious interiors' . . any woman can run her hand over a Chrysler upholstery fabric and know more about its quality than a page full of print would tell her!
"Personally, I couldn't possibly understand how Chrysler's steering wheel gear-shift, or steering gear, or hydraulic brakes are designed . . . but I know, because I can feel, that Chrysler has the easiest known method for shifting gears and parking and stopping a car! And, without a tape measure, I know that its windows are bigger and its interior roomier.
"However, I'll admit . . . you Chrysler engineers are wonderful! You may not know how to talk to women... but you know how to give us what we want. That's the real reason why women are crazy about Chryslers!"


## THIS LUXURIOUS NEW DESIGN GIVES

Krochler English Lounging Suite No. 5510 in dusty rose. Harmonizing colors are suggested in light turquoise background for the walls; straw gold in woman's dress for drapes; and dark bluish green base for the rug.

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## Believe it or not- <br> Its the Same Kitchen!

$\mathrm{T}^{\mathrm{T}}$ is true that old houses often 1 have the dignity and character that come only with years of gracious living. But old kitchenswell, from what I've seen, they are inconvenient at best. When my husband and I bought our home in Summit, New Jersey, it was in excellent condition except for the impossible kitchen. How we remodeled and changed it from a dark place of ugly pipes and outmoded equipment into a modern room for pleasant, efficient work is a story worth being told.

As soon as we had drawn the floor plan and knew where each unit should be placed to save steps and energy, we decided that a large window belonged above the sink. Since there is a view of the adjoining city park, it has proved diverting and interesting. Our next step was covering the pipes with wallboard. These and the other walls were then painted off-white. We scraped the floor
and covered it with a black and white linoleum, its black border extending up a few inches over the baseboard. With these basic construction features settled, we were ready to do away with the old and install all new equipment.
Our first consideration was an electric range. In place of the old stove with its shaky legs, we have one of the finest new ranges with convenient drawers to the floor. All of our new working units and cabinets are stainless steel, and everything that "works" (like the waste disposal) is electric. Red and white dotted swiss curtains and a red bowl of ivy lend a decorative touch to the room and make the window as cheerful as a spring day.

Mine is one kitchen where work really is a pleasure, and headaches and backaches simply don't exist. If such a miracle could happen to my impossible kitchen, surely no kitchen is hopeless!
-Leila A. Harchol


Ugly pipes and outmoded equipment arranged for anything but efficiency made the old kitchen, as shown above, as impossible as a room could be


Now it has been remodeled, with new stainless steel cabinets, an electric range and even a Iarge, sunny window. But it is the same kitchen

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get professional advice and, at the same time-by decorating one of your own windows-become eligible for one of these 503 valuable awards.

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mitted by any conte 2. No professional decorators or employees of the Scranton Lace co.r its advertising
agency or their families are eligible. 3. All spaces on the blank must be filled of your curtain treatment (drawing ability not necessary), sample swatch of drapery
fabric and Scranton curtainticket with identi. fying number showing style of curtain used. 4. A roo-word statement concerning the ad5. No entriee will be returned and no corre spondence wil be exchanged regarding them. Lace 6. The awards will be made by a committee 7. To enter, mail coupon below with roe in
coin to cover postage, handling and other comes. You will receive official eng enty biank and
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## SHOWER CURTAINS

[^7]

## T. E. Whittlesey

Saturday, February 18.-1 had much the feeling today of a successful farmer looking over his well-filled barns after harvest. The situation, however, was slightly different, for I was looking at the compost heap and marveling at what rich vegetable food had been produced merely by piling up leaves, grass cuttings, and an occasional shovelful of soil. I wheeled ten barrow loads of this good black leafmold from the compost heap to spread over the new borders that are as yet only a promise of a garden. For a compost heap all the experts prescribe an enclosure of boards or something of the sort to confine the pile. I never use these, and I wonder just why they have been thought so essential. I keep piling up my leaves and other vegetable waste, and dig under one edge of the pile to get the finished product at the bottom. I suppose some day an inventor will turn out some kind of ingenious scheme for this which will be more or less like a coal bin with a lower door.

Tuesday, February 21.-There is something of real adventure in tackling a craft to which one is unaccustomed. The craft must have its difficulties, its trade secrets, or men would not have to serve an apprenticeship in learning it. Plastering, for instance. It looks easy enough when you see a good man pick up a sizable hunk of plaster on the face of his plasterer's trowel and make it into a smooth vertical surface with a few broad swirls of his arm. Nevertheless, this appearance of ease is an illusion, as I found out tonight in trying to patch that circle on the library ceiling, made unsightly by a water leak which had seeped through from above. Having covered the floor with an old sheet, I dug out as much of the damaged plaster as I could easily remove with a putty knife and wire brush. Then I wet the surface with a brush, giving it all the water it would absorb-this to prevent the robbing by the wall of water in the patching plaster which must be allowed to dry slowly.
Fortunately, one does not have

\author{

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to go through the processes of making plaster such as any builder did not so many years ago. I bought a box of ready mixed powder, called patching plaster, that needed only water to bring it to the right consistency. This is not so easy as it sounds. for on a ceiling job a bit too much water will cause the plaster to sag or even fall away entirely, while too little water makes it impossible to get the surface smooth. After I watched plasterers at work, one trick particularly stuck in my memory. When smoothing the final coat, the plasterer holds a big whitewash brush in one hand and wets the plaster surface with it continuously as he trowels with the other hand. Nevertheless, with all my watching of really good men doing the job, the repaired ceiling doesn't look any too good. Perhaps when it has thoroughly dried out, it may be much better.

Thursday, February 23.-My plaster patch on the ceiling certainly doesn't resemble an unbroken expanse of snow on ice. It looks more like a pond in which someone has just dropped a stone. However, I got at it with a piece of sandpaper stretched across a block and finally rubbed it fairly smooth. The new plaster is darker than the old, and there are still a few little cavities which I think I shall have to fill up with plaster of Paris. However, when I get around to painting it, all will be forgiven.

Saturday, February 25. - The diary told some time ago of the treatment of a gaping crack above the top edge of a bathtub. Another trouble stared me in the face today, though it has been coming on for some months. There is a shower over another tub, and its frequent use has finally undermined the painted plaster wall for a short distance above the tub, making it spotty, discolored, and generally untidy. Since the damage did not extend more than six or seven inches above the tub rim, I drew a horizontal pencil line on the wall just above this to form the outside edge of the proposed repairs. What I thought was a rather smart trick occurred to me, and I put a strip of cellulose tape on the wall just above this line. It seemed a perfectly good line to work up to without fear of getting out of bounds. Next I rubbed smooth with sandpaper the old painted wall below this. Some of the paint came off entirely, but where it still held I merely erased the edges so that repainting would leave a smooth surface. For a first coat I put on aluminum paint because of its reputation for being waterproof and for sticking to plaster or paint.

## fasdn s/azf yodemots лпок чачм

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Wanting to change slightly the location of my cellulose tape barrier, I quickly discovered that my idea was not so good after all, for in pulling the tape off most of the paint came off the plaster with it. Making another pencil line an inch or so above the first one, I took in that much additional territory for repainting.

Saturday, March 4.-Getting on toward spring and no snow on the ground, so what better job than a general clean-up of the garden? It is positively amazing how many barrow loads one can gather of old plant stalks, withered iris leaves, weed tops gone to seed, frost-blackened foliage of annuals, and small branches and twigs cut from logs that have been sawed for firewood. All of these things were burned, since most of them may harbor enemy insect life that would be dangerous next summer. So the 1939 garden season looms ahead with the garden well cleaned, labels in place, and perennials and bulbs sound asleep under their light blanket of manure and leaves.
One of my brick fireplace facings and its hearth have been looking rather shabby. The facing undoubtedly is no worse than when it was built, but the hearth has probably accumulated some ashes and dust which seemed to put a gray film over the good dark red of the brick. Tonight I scrubbed it with soap and water until it was as clean as could be expected of brickwork. I've got a scheme for some further treatment when it is dry again.

Tuesday, Marcb 7.-This evening the brickwork of that fireplace facing and hearth, having dried out since its bath, looked about as shabby as before. With a flat paint brush I spread a good coating of boiled linseed oil on the facing first, and the hearth later. The brickwork drank it up rather thirstily, and I gave it all it would take. Naturally I didn't do this without some assurance that it would be successful. Preliminary trials on a spare brick indicated that the oil gives the brickwork a richer darker color, and probably, though not certainly, provides it with a protective film against the intrusion of dust.

Friday, March 10.-Several small tile-top tables of wrought iron, which stood on the porch all summer, were brought in much the worse for rust. Tonight I took them into the workshop, went over the iron work with a wire brush, and, since that merely accentuated the rust spots, I rubbed them down inch by inch with emery cloth. Lest I should be accused of being inconsistent with my treatment of wrought-iron

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surfaces, I must hasten to note that these particular examples are, unlike my screen door, in the mass production class, probably made of soft steel. I suspect the square bars and straps never felt the hand of a real craftsman. Having eliminated the rust, I wiped the surfaces with kerosene and painted them black.

Monday, March 13.-Having promised myself some time ago a better photographic darkroom light, I got ready for the workshop job today by buying three $8 \times 10$ inch safe-light glasses-a dark green one for the more sensitive films; an orange one for the slower films and bromide paper; and one still brighter for use when making prints.

The first step was to figure out the proper size for a wooden box which on its front would take any one of these safe-light windows in a slot. Above this on the front face I wanted to incorporate an old $5 \times 8$ inch plateholder. Having cut the middle partition out of it and discarded one slide, the frame and remaining slide formed a white-light window that could be opened or shut at will and adapted for viewing negatives by inserting a sheet of ground glass.
In the top, which I made about 12 inches square in order not to confine the bulb's heat too closely, I bored a hole for a porcelain tube through which the electric cord was led to a 25 -watt lamp. If this box were smaller, I should certainly have to provide some sort of light-trap ventilation, but I trust its size is right.

Wednesday, Marcb 15.-Back to the darkroom light job. The box was put together with screws, and I hoped to make it light-tight by incorporating a layer of thick white-lead paint in the joints. I cut a sort of trap door across the front part of the bottom, to open up the slot for the removal and substitution of the safe-light glasses and for putting in a new bulb when needed.
To get all the value out of the light, I bent a piece of white cardboard inside the box from the top of the back to the lower edge of the front, making a reflector of it. Finally the whole box, far bulkier than it might really have been made, was set permanently on brackets close above the top of the laundry tub, lighting the slab platform and just out of the way at one side. I suspect that when the heat of the lamp dries out the three-quarter-inch boards of which the box is built, I'll get some light leaks at the joints. However, these can probably be caulked, if they appear, with that useful adjunct to the workshopa tube of plastic wood. If I had had more time, the joints would have been rabbeted.


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Commonplace closet, before remodeling


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## AS GOOD AS OLD

## Restoring an old

 Colonial farmhouse
## ELEANOR RANSOM

in collaboration with
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When the policemen appear in shirtsleeves and the city streets ooze tar, you forget about the comfort of central heating and the convenience of the subway and start thinking about shade trees, gurgling brooks, and the nice smell of freshly turned earth. So you jump into your car and presto, you are in the country. But rural scenery and concrete pavement do not go together; so pretty soon you turn off Route XOO onto a narrow, winding road that leads, who knows where? Likely as not a house suddenly catches your eye. A house did I say? I mean your house.

There it is, that fat Colonial farmhouse, with elms to the left of it, elms to the right of it, and a stream bouncing over rocks at the rear. A "For Sale" sign swings crookedly from one of the trees; so you stop and walk up to the front door which has a fanlight, or even perhaps bullseye lights over it, a huge granite doorstep that must weigh a ton, and two windows on either side. You stand on tiptoe and peer through the windows. They are dirty and you can't see very much, except for some badly used paneling in the front rooms. It's enough, though, to send you scurrying to the next town to hunt up the real estate agent for more information.
If you are lucky, he is too busy to go back with you and hands you a key. However, should he go along, the best thing for you to do is glance perfunctorily about, especially if he tells you pompously that the house is 200 years old. Then, when he isn't looking, slip the latch on a rear window, or unlock the cellar door. Thank him profusely, wait until he is well out of sight, and creep back, armed with a flashlight, a penknife, and pencil and paper.

The first place to head for is the cellar. Are the sills in good condition, or are they practically nothing but piles of sawdust from too much intimacy with white ants or termites? Can you slice off the cross beams and first floor joists like so much Parmesan cheese? If so, you had better go away and try to forget. To replace the sills is an expensive job. It means jacking up the house, sawing off the joists-if the bottoms are not



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DECORATIVE WALL CANVAS


already gone-then nailing the whole in place. The result will never be really sturdy.
Next take a look at the chimney. Don't be discouraged if the old central chimney is replaced by two smaller ones. If the openings still show, it can be restored with the fireplaces for about $\$ 300$. You will generally find that the original bricks were used in building the twin chimneys. These can be cleaned and used again.
Once you've okayed the foundations and the chimney, hie yourself to the attic and attack the timbers there. You will probably either need or want to reshingle. If you plan to use your fireplaces, a fire-resisting shingle is the best bet for your peace of mind. A good quality will cost around $\$ 7$ per 100 square feet. Be sure while you are up there to look around for squirrel holes. These little rodents that look so harmless and playful in the park can and do wreak havoc in the walls of any vacant wooden house.
The fireplaces, nine chances out of ten, are blocked up with stovepipe vents puncturing their middles. By thrusting your flashlight through the stovehole, you can find out if the openings are intact. Try while you are peering to see if the lintel is in place. This, in the very early houses, was generally of hickory pickled in brine, and later, a crude iron bar.

The kitchen oven door will probably still be there, painted over, or even papered with some garish flowered hanging. Don't hesitate to rip off the wallpaper wherever you feel the urge and the necessity. After all, it's generally more of a desecration to the house than any you might perform, and who knows, you're liable to uncover some perfectly good sheathing or wainscot, to say nothing of a cornice or two in the downstairs rooms.

SOme of the mantels will undoubtedly be replaced by ordinary shelves supported by Victorian iron brackets. But don't let that discourage you. Wrecking companies are usually a good place to find old mantels at reasonable prices.
On the other hand, remember it is hard to match old woodwork, and too much new always looks new. So, if half the parlor paneling has been used for firewood, decide then and there whether you want to go on with it. However, where it is only a matter of patching a little here and there, take a piece of the molding to the local mill and have it reproduced in pre-shrunk wood. Authentic Colonial moldings may also be obtained from any good lumberyard at small cost.

Your next attention will be the doors. These should be six-panel, or, if the house is earlier, two-
 even, steady, healthful temperatures. Doctor bills decrease with clean, gasless, smut-free air.

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panel, with HL hinges. Should one or two of these be missing or replaced with some mail-order monstrosity, don't give up! You may discover them in the outhouses or tucked away in the attic or cellar. As for the hinges, latches and knobs, there are excellent reproductions on the market.
Any hardwood floors you find are probably laid right over the old wide pine boards and protecting them, as is the matting which it probably rotting on the chamber floors. If the original boards still show and are bumpy from much walking and many layers of paint, they can be scraped down or burned to the original wood and waxed or repainted.

Don't worry too much about hearths having been taken up and replaced by non-matching boards, or even tin. It is no job at all to have the bricks put back, especially where the lines of the original hearths remain, and the bed of sand is still there to lay them in.
If any of the original window sash are intact, you may burn an offering to the Muse of Architecture. They were usually discarced or relegated to the henhouse and supplanted by 4-pane Victorian windows. If you are going to restore the house honestly, this is one of your important items.
The staircase may need retreading, and beyond a doubt most of the balusters-handturned ones at that-will be out or replaced by square posts. But there is sure to be at least one of the originals to copy, and you may even find just the balusters you need at a wrecker's or another old house.
Once you have decided that you not only must have this house but that it is "seaworthy," go even more practical. Turn your mind that has been centered on moldings and mantels to plumbing and closet space. There will probably be no difficulty about the latter as our forefathers did require a place to hang their Sun-day-go-to-meeting suits. The customary location for these is at one side of the fireplace. If they are shallow, the new-fangled closet fixtures will make veritable dressing rooms out of them.

However, you want to make sure that there is a place accessible from all the bedrooms which can be converted into a bathroom. This can frequently be found in an unfinished attic on the second floor, a back bedroom, or in a hall between two bedrooms.
Of course, you've already noted a cistern in the cellar and thought about gasoline pumps. There may even be some such contrivance rigged up to the brook and a comfort station tucked in the back hall. The water source is impor-tant-not the appliances.
If you are going to go modern

## HOW TO FIX IT <br> -by Uncle ned

LEAKS AROUND CHIMNEY QUESTION-During rainy weather my bedroom wall around the chimney becomes very wet. How can this be corrected?
ANSWER-Rain is probably leaking through at the flashings around the chimney. Apply a around the chimney. Apply a
heavy coat of Rutland No. 4 heavy coat of
Plastic Cement.

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in a big way, it is best to have any wiring done, where current is available, before plastering and papering starts. Base outlets are best for these low-studded rooms and cost about $\$ 4$ per outlet.
In the matter of paint, use nothing but the best. Don't buy ready-mixed paints; mix your own of white lead and linseed oil and the desired colors. Incidentally, one of the big paint companies issues a chart of authentic Early American colors. If you are willing to wield the brush yourself, with some assistance, this item should not amount to more than about $\$ 200$ or so.

Take your time about papering and look up old patterns. Some of these have been duplicated well and cheaply, so that you can do the whole house for $\$ 75$.

THE outhouses need not bother you much unless you are planning to stock up with poultry, pigs and such. If the barn is a complete loss, just think what a charming sunken garden you can make out of its cellar hole and aged stone foundations. The soil there is bound to be rich! The carriage house, if any, may have the living room mantel as a shelf to hold the horse liniment and harness grease. It will make a good garage, after you pick the nails off the floor and do a little fixing.
The wood of the sundry leantos is excellent for kindling, that is, what you don't use in repairing the house itself. One might even be converted into an attractive garden house. The kitchen ell, which is almost always of later vintage than the house itself, may give up the ghost of an old dresser, or a couple of paneled cupboard doors. If this ell does not detract too much architecturally from the place, you may as well retain it in its original identity. The old kitchen with its wide hearth makes a charming dining room, while the room formerly so utilized can be converted into a guest room or library.
It is a good idea to jot down in one list just what you find will have to be done immediately, and make another of what you mean to do at a future time. Once the finances are settled, go ahead and enjoy the whole adventure.
The following estimates are for both materials and labor, and although they will vary with location they may be of some help: roof $\$ 250$, chimney $\$ 300$, window sash $\$ 100$, bathroom $\$ 250$, hardware $\$ 50$, electricity $\$ 175$, painting $\$ 200$, papering $\$ 75$, and miscellaneous items around $\$ 100$.

CORRECTION: The wallboard interior shown on page 25 (upper left) in our February issue was described as Weatherwood. It is Johns-Manville "Glaze-Coat."

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## A Rectory Garden

## GWENDOLINE KEENE

Charlestown. Massachusetts, across the Charles River from Boston, and now a part of the greater city, is a place of proud memories. It admits apologetically that it has no pre-Revolutionary relics because they all burned down when the British fired the town that bright June day of "the Battle" in 1775. It

has, however, a still-green hill mistakenly called Bunker-it's really Breed, and Bunker is near by -crowned by a tall shaft which busloads of visitors from all parts of the country come to see. It has a state prison, but it also has one of the finest boys' clubs in the world. Old Ironsides is anchored in Charlestown Navy Yard, and in Phipps Burial Ground is a monument to John Harvard, who lived and died here. Charlestown also has a few small, beautiful gardens, both old and new. The old gardens belong chiefly to the three or four mansions on Cordis Street, which are the sole survivals of the century or more ago when clippership merchants built houses here as restrainedly lovely as any in Salem or on Boston's Beacon Hill. As late as fifty years ago there were woodcock and tanagers on the estates of which these gardens were a part, and residents could still remember the "stirring music of the mellow, mellow horn" at daybreak. Today, the newer residents make gardens too, and one of the most charming is the rectory

The rectory garden, Charlestown, Mass., autumn, 1956; Sooking toward the rectory. Bunker Hill monument in rear

Left: Before Mr. Mason started working on it. This shows the curving walk laid down by Mr. Cutler. Below: The archway, the terraces and the chicken-wire on east fence, which allowed for the alternate boards to be removed (May, 1935)


This shows bird bath base in first position (from which it was moved): the stone bench for potted plants; and the painting of part of the fence nearly finished (May, 1955)
garden in the backyard of the house at Number 41 Monument Square. The square came into its own in the 1860's, and this house is one of the tall-ceilinged substantial residences of that day.

Though the garden belongs to a rectory, the rector didn't make it. The Rev. Wolcott Cutler of old St. John's Episcopal Church down the hill from Monument Square is a bachelor and shares his home with Mr. and Mrs. Frank S. Mason. Mr. Mason, founder of the Boys' Club and a former president of the Appalachian Mountain Club


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Above: The Ford V-8 Tudor Sedan (choice of 85 or 60 hp . engine) Left: The De Luxe Ford V-8 Coupe ( 85 -horsepower engine only)

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## Visible and Clean

## Basic Recipes

The American Home Testing Kitchen has just finished going over all of the recipes that have ever been published in The AMERICAN HOME. Each has been retested for accuracy, simplicity and delicious flavor. 212 basic recipes have been selected, illustrated, and reprinted for use in the Menu Maker. They are assembled in brochure form and may be had for the nominal price of only 50 e.

## 212

Finally, each Menu Maker is equipped with a package of heavy cellophane envelopes, colorless and transparent, that are exactly the right size to be filed in the cabinet behind the index cards. You select the recipe you wish to preserve, place it in the envelope, and there you are -perfectly legible, always clean, in fact it can be washed, preserved forever, yet instantly usable.

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of Boston, has to exchange mountaineering for lighter exercise these days, and this garden and the one in his New Hampshire summer home enable him to do it.

The garden was not wholly unprepared for him. In 1931, after several children had been part of the rectory family, it was as bare and hard as a kitchen table, the rector testifies. The only relics of more luxurious days were a few ailanthus saplings, that indestructible "tree of heaven" common to all cities and brought to Charlestown, it is said, in sailing ships from the Orient. Monument Square is the top of a drumlin and the natural soil of its yards is the till that remained when the hill was lowered. This garden slopes downhill from the house, and any topsoil that may have been added had washed down against the back, southern fence and even across the abandoned yard below. The rest was sour clay and gravel.
That summer the rector and some friends built a three-foot rampart out of donated railroad ties to relieve the pressure on the back fence and laid a curving brick walk to the back gate, where a few steps were made. Twenty-five pounds of lime and two pounds of clover seed made a thin covering.
The next summer Mr. Cutler received a wagon load of loam, to which they added bone-fertilizer, and then planted a heavy bed of buckwheat. The rector designed a "graceful arbor" on a large piece of brown paper "like a dress pattern" and had it cut at a lumber yard for an arch over the gate. A friend contributed some ferns, and the buckwheat, while green, was spaded in. Total expenditure: materials, $\$ 4.70$; paint, $\$ .60$; fertilizer and seeds, \$1.55.

That summer Mr. Mason moved in. His first step was to build terraces, four on each side of the walk; and his second, still going on, was soil improvement. In this $22 \times 40$ foot plot, with sun from 10 A. M. to 3:30 P. M., he has raised in a single season sixty-four different kinds of flowers.
Mr. Mason ramparted his terraces with stone slabs which were part of a fine old mantelpiece contributed by a gardener-daughter, and this mantelpiece also furnished a bird bath base and a handsome table for potted plants. He started
his soil improvement by getting free, from the city workyard, a wagon load of manure which he, dug under to form a "mattress." In successive summers he put in about fifty bushels of humus, half peat moss, and two hundred pounds of bone meal, and four to eight inches of top soil twicescreened through quarter-inch and mosquito-net screen respectively. Mr. Mason had never gardened before but he must have had a natural instinct for it. He started circulation of air by covering the east fence with chicken-wire and removing every other board.

$\mathrm{H}^{\prime}$s flowers came from everywhere. He experimented with raising seed indoors but found it didn't gain time. Many plants he brought from his New Hampshire garden and those presented or swapped by his daughter include some 150 daffodil and narcissus bulbs which went in last fall. He concentrates on perennials and shrubs. Two summers ago a syringa bush started blooming and last summer, the rambler roses over the gateway arch. There is a dwarf rock garden beside the back steps and rock plants thrive in crannies of the east fence's granite foundation.
The whole list of last summer's sixty-four flowers, substantially in order of blooming, are: arabis, scilla sibirica, crocus, jonquils, tulips (Darwin, Parrot, and Dwarf), peonies, syringa, old-fashioned pinks, mustard, violets, daphne, phlox (subulata and drummondi), lily-of-the-valley, climbing roses, daylily, iris, rhododendron, grapehyacinth, sedum, myrtle, nasturtiums, bachelor buttons, hollyhocks, French marigolds, calendula, dragon-head, petunias, yellow supreme marigolds, zinnias, golden glow, sunflowers, tall phlox (white and pink), coreopsis, gaillardia, balsams, Chinese lantern, white pond lily, water hyacinth, mallow, portulaca, and tuberose.
Charlestown people cherish their inheritance but they honor modern achievement too. Daniel Webster delivered two famous orations at the foot of Bunker Hill monument, but if you asked the friends of the rectory garden which they would choose: Mr. Webster's tradition or Mr. Mason's present work, I'm afraid Mr. Mason would come in first, by a large margin.

Present appearance with sixty-four different kinds of flowers. Brick terrace in foreground. Bird bath, center; marble-top table for plants, right


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Mr. Mason's home at Crawfordsville, Ind. Notice the large window area, which made the

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## What you should know about a

 Septic TankERNEST BOGERT

$C^{\text {ITY people rarely think of the }}$ problems of sewage disposal. When anything goes wrong they call a plumber who does "something or other to the pipes." But in the country the problem is not so easily dismissed. So, if the facilities of a municipal system are not available, you should know something of the why and how of the sewage disposal system for your home. It is a matter vital to your health.
Generally for large estates an engineer is employed and the sewage disposal is satisfactory. But the average job is left to the contractor with some such phrase as "provide adequate septic tank."


Fig. 1. Cross section of a septic tank. The house sewer connects to the inlet at the left. The liquids or effluents flow out at the pipe to the right, the solids sinking to the bottom of the tank. The liquids may drain either through a syphon chamber or pass direct to the tile field. Baffle boards or cross beams may be used instead of the vertical pipes. Fig. 2. Cross section of a syphon chamber. Liquids or effluent are received through the pipe at the left. When the chamber is sufficiently full, it automatically flushes the liquid into the pipe at the right, where it is carried to the tile field. Distribution of the liquids is better when a syphon chamber is used, as there is sufficient volume to dose the entire field.


SEPTIC TANK AND SYPHON
Fig. 3. The septic tank and syphon chamber are often built as a unit. The action is exactly the same as when they are built separately.

orease chamber
Fig. 4. A grease chamber should be placed on the line from the kitchen and laundry and before the inlet to the septic tank to catch grease and soapy deposits. Regular house sewage does not pass through this chamber. The grease floats at the top of the tank and is skimmed out monthly.


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The uninitiated householder may wonder exactly what this is. Well, it is not a magic device that providentially disposes of all pestilential waste. It is only part of a system that can provide a sewage disposal for your home as satisfactory as that of the municipal system. It will do so if properly designed and cared for.
Many questions are certain to arise in connection with any sewage disposal system. What does a septic tank system cost? How can you be certain it is properly designed? Will it contaminate my water supply? What care must it be given? How does it work? How often must it be cleaned? How may you know when it is about to give trouble? This article will discuss these questions.

The most familiar rural system of sewage disposal is probably the cesspool. It is a covered pit, the bottom lined with loose stone or other porous material and perhaps ten to twenty feet deep. Some sewage flushed into it settles at

Four ways to dispose of the water that flows from a septic tank


A Iayout for a tile field that provides excellent distribution for the liquids. If the soil is semi-porous, the leaching pool may be eliminated. In clay soil, provide a leaching pool the size of the septic tank


An installation for use in porous soil and where plenty of room is available


A hillside arrangement of a tile field, the absorption bed or tile lines being laid nearly level and the curves carrying liquids from one level to next


Suitable for either porous or non-porous soils. In porous soils the leaching pool may be eliminated. Note that wherever a leaching pool is provided, it must be vented as indicated. This vent must be vented as indicated. This vent
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the bottom; the rest, mostly liquid waste, drains out into the surrounding earth. Occasionally the cesspool has to be cleaned of its accumulated content and eventually the cesspool will cease to function because the earth surrounding it will no longer absorb any more waste fluid. Then the sewage backs up through the lowest fixture in the house and it is necessary to dig a new cesspool in a new location. When this one fills, you can return to the original which should be fit for use again.

THe success of a cesspool and its length of service depends necessarily on the character of the soil surrounding it. A loose, sandy soil will absorb the draining waste more easily than tightly packed clay and so a cesspool in sand will be usable for a longer time than one in heavy clay. For the same reason you should provide more draining area in clay soil than in sandy soil by building a larger cesspool for the same amount of sewage.
A cesspool may be satisfactory enough, particularly in dry, highly absorbent soils, but generally the septic tank system is more serviceable. In very wet soils, or where the ground water is within three feet of the surface, neither should be used.
The phrase "septic tank system" may sound complicated to the householder, but it is only an extension of the principles of the cesspool. It consists of a watertight septic tank connected with a series of four-inch round tiles or pipes which distribute liquid waste from the tank into the surrounding ground. Like the cesspool, the septic tank receives and retains the bulk of the sewage from the house; solids sink to the bottom of this tank and form "sludge" which reduces in volume by decomposition. This must be removed occasionally or it will flow out and clog the tiles.
These tiles are called the "tile field"; they carry off the liquid waste, or "effluent," and each tile is laid end to end without mortar so that the effluent can seep out through the open intersections. The tiles are placed in lines and these lines should be laid with a slight slope (from two to four inches in a hundred feet) to avoid running the waste fluid directly to the end of the tile field where it might break out to the ground surface. Properly laid lines will dissipate the waste liquid gradually through the field. It is advisable, however, to provide a pool, called a "leaching pool," at the end of the line to take care of any surplus water because very wet weather or thawing snow can produce unusual conditions. This pool may be of stones without mortar and should have the same capacity as the septic tank.

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The American Home, April, 1939


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|  |  |

It is necessary to place the tile lines in trenches not less than twelve inches below the ground surface; these trenches should contain a loose fill of small stones or gravel which would assist the draining process. The top of the open intersections of the tiles should be protected by tar paper or half tiles or with a patented connection which holds the tiles in proper position. This will prevent filling the intersections with any dirt or stones that may drop down. Any disturbance of the tiles will ruin the draining arrangement, so do not place the tile field near trees or shrubs with long roots. Tiles with a perforated bottom are manufactured and are better than the solid type. They distribute the effluent throughout the entire line of the tiles instead of only at their intersections; this reduces the tiling required.

The septic tank will cease to function satisfactorily when the tile field clogs or when the tank becomes full. Like the cesspool, cleaning the tank will afford only temporary relief if the surrounding earth cannot absorb any more waste. The first indication that all is not well comes when the sewage backs up through the lowest plumbing fixture in the house or when the effluent flushes to the surface in a little "spring" somewhere along the line. But instead of digging a new pool it is only necessary to lay a new tile field. This is the advantage of the septic tank system. Although the initial cost is greater, it is cheaper to provide tile lines than to dig a new cesspool. And the liquid waste flowing out of a septic tank will contain less solid matter; hence the tile field will not clog as quickly as a cesspool. A tile field should not clog for three to five years, depending, of course, upon the character of the soil. The best arrangement is to provide two fields, for use in alternate months, so that while one field is being used the other is recuperating. If a clogged tile field is not used for a while it will be able to absorb the surplus waste product and function as before. It is possible to change from one field to another by providing a valve or gate for the purpose.

T$\mathrm{T}_{\mathrm{HE}}$ amount of tiling necessary to lay out a tile field will vary also with the character of the soil; a hundred feet of tile may be adequate in an absorbent, sandy soil while several hundred feet may be required for a tightly packed soil. Generally, in average conditions, allow thirty feet of line per person in a household. The successful operation of a septic tank system depends largely on the correct designing of the tile field, on a layout which realizes the special conditions of soil and topography and meets them properly. Such a


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field will be absolutely free from odor, just as usable as the rest of your property.
Septic tanks may be built of various materials; there are a number of well designed metal ones. The minimum size, containing fifty cubic feet, should hold 375 gallons. The top of the septic tank should be placed from twelve inches to eighteen inches below the ground surface for cleaning accessibility. But if you have any plumbing fixtures in the basement, below this level, they cannot be connected successfully with the regular sewage inlet of the tank. A separate septic tank will be necessary for them. All septic tanks should be inspected once a year and cleaned as frequently.

IF you get your water supply from a well, neither a cesspool nor a septic tank system will contaminate it, providing the well is kept at least one hundred feet away and the tile field sloped away from the well so that the liquid waste will drain away from it. The effluent is full of harmful bacteria, although the soil tends to purify it as it drains through. If a field is laid in rocky ground, however, there is some danger of a crack in the rock carrying the drainage to the water supply, particularly if the supply is partly fed by surface water. A drilled or bored well avoids this danger.
Additional parts of a proper septic tank unit are a syphon chamber and a grease separator. The syphon chamber may be built as part of the septic tank or placed between the tank and the tile field. It serves as a sort of control chamber for the field. The waste fluid passes into it from the septic tank, and, when the chamber is full, this effluent flushes or syphons out automatically to the tile lines. Its function is to carry the liquid waste throughout the field; without it the effluent would be emitted piecemeal and clog the first tiles in the line. So that solids may be kept in the septic tank and not get into the syphon chamber, a number of curiously arranged boards called a "baffle board" are set up between the two. This insures a minimum disturbance in the tank from sewage entering by the inlet pipe. Or an outlet pipe can be installed opposite the inlet which will allow only liquid waste to pass into the syphon chamber.
The grease separator is merely a small trap or receptacle to catch greasy kitchen waste, fats, and the like. It should be located between the kitchen or laundry line and the main sewage line. Its purpose is to keep such materials out of the septic tank.
It has been mentioned that neither septic tank nor cesspool will function in continually wet soil or where ground water is


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within three feet of the surface. A chemical tank system can be installed under these conditions, or a septic toilet system. Neither of these requires running water for operation. The chemical tank system employs a strong chemical which liquifies and sterilizes the contents of the receiving tank. When the tank becomes full, it is emptied either by draining into a leaching pool, or by pumping out the contents at some convenient place. There is, of course, a constant upkeep expense for chemicals and service. This does not amount to more than a few dollars a year, however. The septic toilet system does not use chemicals; all solids pass into a specially designed tank and the solids gradually liquefy under septic action. The waste fluid drains into a smaller tile field than that required by the ordinary septic tank. A leaching pool alone may be provided in place of a tile field. The only care required is to flush the system with a pail of water once a day.

The cost of a septic tank will 1 vary according to the size of the tank and the amount of tiling used for a field. Generally, with average conditions, an installed septic tank and tile field sufficient to serve a family of five should cost upward from seventy-five dollars. If you are considering the installation of a septic tank system or any system of sewage disposal, you should write to your State Department of Health. They will tell you what regulations you will have to comply with and will probably advise you to get the approval of your local representative of the Board of Health. In many sections of the country there are specialists in installing septic tanks and cesspools and in providing upkeep service. Rather than leave the matter as a vague specification in your general building contract, you will do well to give this work to a specialist or engage the services of a sanitary engineer. The slight additional expense is desirable insurance, particularly where you are providing your own water supply or where conditions are in any way extraordinary. Your architect, builder, or plumber should be able to refer you to a proper person.


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# DONT BLAME THE MOTHS Blame Yourself! <br>  

Instead of tedious sprinkling and wrapping and "storing away"

Outgrowing forsythia [Continued from page 18]
origin. It looks somewhat like a mountain-laurel, and, indeed, belongs to the same family. The leaves are leathery and shiny, but are shed in the fall, after assuming glowing and beautiful colors. The interesting flowers appear in May as clusters of small bell-shaped, drooping blossoms creamy white or yellowish in color, striped dark pink. A bush in bloom is a sight to remember. Though this shrub is slow-growing, it will in time reach a height of fifteen feet or even more.
Another shrub with pendulous, bell-shaped white flowers is the common pearlbush (Exochorda grandiflora). It is not a new shrub, and once in a while in April or May you will see a handsome old bush nodding to you over a village fence or glorifying a modest yard. A plant eventually becomes ten feet high and, if given room, will be as broad as it is tall. Its branches are very slender and delicate and when you see them loaded with glistening white buds you will not be content until you, too, own a pearlbush.
The blueleaf honeysuckle (Lonicera korolkowi) is an answer to a special problem. If you own a blue spruce, a Douglas spruce, or any evergreen of a bluish cast, you have probably often wondered if there is any plant that will tone down its too-blue look when used alone. Try this honeysuckle from Turkestan. Its foliage is bluish-green and the under sides of the leaves are covered with a powdery down that makes it look even whiter when the wind ruffles them. Its small pink flowers, in May or June, are succeeded in August by small, bright red fruits. One of the most distinguished members of the great family of apples and crabs, a newcomer to our shores from China, is the cutleaf crab (Malus toringoides). As its name indicates, the leaves are serrated and usually have three divisions, an uncommon form for crabs. The tree is small, neatly formed, rather compact in habit, not ungainly or sprawling. While its bloom is similar to that of other decorative crabs, the fruit is its crowning glory. Little apples they are, hanging on slender stems in thick clusters, and it is a matter of wonder that fruit so lovely should be produced so freely. For their colors echo those of modern tea roses: soft pink, creamy white, hints of orange and deeper rose, but all overlaid with a waxy bloom that blends them together while making each one iridescent and glowing. To me they look like fairy soap-bubbles. It would be a poor compliment to say they look


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good enough to eat; they are too ethereal for such materialistic use.
One of the viburnums which would be planted more, I am sure, if people who see it but knew its name, is the doublefile viburnum ( $V$. tomentosum) whose double form is the Japanese snowball, much superior to our own because it does not become infested with aphis. To me, however, the single form is far lovelier. It makes a good-size shrub which loves to spread out in a broad mass; its height is about eight feet. The branches are markedly horizontal and when, in early spring, the flat clusters of pure-white flowers outline each one, two rows of clusters on each branch, it is to me almost as lovely as the dogwood. Surely it is as showy, and the way the flowers are borne is particularly pleasing. The leaves are dark green, rough, and handsome, but the fruits are not especially conspicuous, for though they are red at first, they become bluish-black when ripe.

A list of lawn specimens would not be complete without one rose, and for that shrub I have selected Rosa ecae. It is similar to the well-known and deservedly-popular Father Hugo rose $(R$. bugonis), but is perhaps a trifle lighter in its soft primrose color and slightly earlier. Its foliage is delicate and graceful and in every way it is quite worthy a special place of honor.

## For garden or border

Not often enough do we see shrubs incorporated in the garden itself, used among the flowers. In spacious gardens it is imperative, for how otherwise can we secure the necessary contrast with the low growth of herbaceous plants? But in any garden, shrubs should be used to prevent it from looking too dreary in winter, and to provide with shade and shadow a cool retreat in which to linger on hot days. Many shrubs are so rare and expensive that they need the protection afforded in the garden, and others are so beautiful that they are preëminently garden plants. The mountain stewartia is one of these. It is native to our southern states, where it grows from North Carolina to Tennessee, and still uncommon in nurseries, but its beauty should win it a place in all collections of fine plants. The handsome, bright green leaves turn in the fall to scarlet, orange, and red. The flowers, which appear in July or August, are large (two or three inches across), single, white, and of great beauty, their centers filled with a mass of golden anthers. While this shrub is hardy to Massachusetts, a sheltered location should be given it, if possible.

An early awakener is the February daphne (Dapbne mezereum), familiar to gardeners for many


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years. It cannot really be called a handsome shrub, for its branches are coarse and thick, without twigs; even the smooth glaucous leaves do not conceal their sparseness. But early in the spring, coming with the first snowdrops and crocuses, its flowers, either rose or white, open to exhale the most delightful, spicy, carnation-scented perfume you can imagine. It is for its early perfume that this plant should be grown; it is the very breath of spring. Then, following the flowers, come translucent scarlet or yellow berries containing seeds that you can plant to increase your stock of this delightful shrub. The garden surely is the place for it; elsewhere its peculiar charm is apt to be lost.
Then there is the fragrant viburnum (V. carlesi), now so wellknown that it needs no detailed description and deservedly popular. One interesting thing about it is that, unlike many of our valued oriental plants, it comes, not from China or Japan, but from. Korea. Later in the spring, blooming with the late tulips comes another recent introduction, the beautybush (Kolkwitzia amabilis), which is rapidly becoming popular. While fragrance is not one of its attractions, its delicate, airy foliage and neat habit, together with its masses of creamy flowers flushed with pink and daringly spotted with orange make it worthy of its name. The whole plant vaguely recalls one of the honeysuckles to which it is related.
Another shrub with mounded masses of delicate foliage is the Altai rose (Rosa spinosissima altaica). The delicate arching branches, thickly clothed with myriad needle-like thorns, seem to be fluffy with the foliage, and seeing them covered with the delicate single white blossoms, you will wonder why you did not know about it long ago, for it is not a recent introduction. For large pure white flowers you need look no farther than the boulder raspberry (Rubus deliciosus), a native of Colorado. Recall some drive through a country lane in midsummer when the wild blackberries are in bloom; do you remember how vivid and bold are their arching branches, freighted with white blooms? Yet they are but a pale copy of our western bramble whose flowers are one or two inches across and look like single roses. Another advantage is that the western bramble is thornless! The bush is compact and grows perhaps five feet tall, but while the fruits are edible, they are not of much importance.
A very dainty shrub is the Beautyberry (Callicarpa), whose claim to a place in the flower garden is based chiefly on its small berries which are borne in snug clusters in the axils of the leaves and are of a most unusual and de-


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lightful shade of pinkish lavender, almost a fuchsia shade. The bush itself is compact and graceful, the foliage is good, but the flowers are small and insignificant. While this shrub is not reliably hardy in the North, it does not matter if it is killed to the ground so long as the roots remain alive, for the fruits are borne on the new wood. The two species are the Japanese ( $C$. japonica), which will become five feet tall if not winterkilled, and the Chinese (C. purpurea) which is smaller in every way.

## For small garden or rock garden

It is often difficult to find shrubs compact enough in habit to look well in such a situation. Even if the rock garden be but a well-drained border with a surface dressing of chips along a path, a few low-growing shrubs should be planted at the back to give it the necessary frame. The lesser or dwarf flowering quince (Chaenomeles japonica) would be a good plant for this purpose; it is not more than four feet in height, and its glossy green leaves are handsome anywhere. The flowers, orange-scarlet, appear earlier than those of the better known Japanese quince (C. lagenaria); they are followed by real quinces, small, to be sure, but possessing that wonderful fruity fragrance which makes them so delightful to carry around and sniff at, or to put in your dresser drawer among the handkerchiefs. No, they never rot; they simply dry up.
If you can use a shrub about four feet high, you might like Spirea trichocarpa, which looks much like Spirea vanhouttei except that the leaves are rounder and the blooms appear later. For a dry, sandy spot the western sand cherry (Prunus besseyi) would be a good choice. It is a small, graceful shrub with waving slender branches like a willow's; its leaves, very white below, also remind you of the willow. But who ever saw a willow studded with small, starlike white flowers, or bearing big black cherries? These cherries are good to eat, too, being very juicy and cooling, though the flavor, you will find, is somewhat insipid.
A
excellent shrub for the top of a bank is the lilac honeysuckle, (Lonicera syringantha) whose long, slender branches grow in some disorder, but whose small rosy lilac flowers exhale a strong, spicy perfume. To get the most benefit from it, plant it where the prevailing winds will catch the scent and bring it to you as you walk along the path.
For the front of the rock garden what shrub is small enough to be appropriate? Well, there is the creeping cotoneaster (C.adpressa), which is said to grow two feet
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tall, although, as I have seen it, its branches grow close along the ground. One of the dwarfest of this interesting group, it bears comparatively large berries, bright scarlet. Another low-grower is the roundleaf cotoneaster (C. rotundifolia), of about the same habit. Both are slower growing and dwarfer than the commoner rock cotoneaster (C. borizontalis).
Then there are two little evergreen gems. One is the new warty barberry (Berberis verruculosa) from western China. Its small leaves are spiny, like holly leaves, and the whole shrub is diminutive, not getting above three feet. The large flowers are followed by blueblack fruits. It appreciates a sheltered position. The other gem is one of our native plants, and why we do not see it oftener, I cannot say. It is the sandmyrtle (Leiophyllum buxifolium), whose tiny evergreen leaves look so well right at the front of the border or edging the path. Through April to June its pink buds open into thousand of little white stars, visited greedily by the bees. These evergreens, like their larger relatives, appreciate some protection from the burning brilliance of winter sunshine where snow does not furnish it.

Iyou fail to find these plants in the first two or three catalogs you consult, do not despair. Some, being very choice and difficult and expensive to propagate, are still carried by but few nurserymen. However, as more people demand the finer materials, more nurserymen will be glad to supply them. Until then, as long as they can sell plenty of the easier-propagated (and, therefore, cheaper) shrubs, they will confine their lists largely to them.

## New Table Settings

A book for the modern hostess

For those of you who are always on the alert for interesting new ways to make your table arrangements more attractive and different, there's a new book by Elizabeth Lounsbery, "Let's Set the Table." Appealing photographs show an informal luncheon table for the seaside, informal and formal dinners, a blue and white table, yellow and gray table, a luncheon table in raffia, formal Easter luncheon, a well-appointed tea table, a wedding breakfast, as well as many unusual centerpieces that will give you ideas for many a party. In addition there are chapters on chinaware, glassware, and silver that will help you in making your own purchases. Funk \& Wagnalls, New York.


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## SPRING

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There are two ways to take such a travel course. The more
satisfactory is to go as an individual armed with letters of introduction and look up particular places and people; this is not always possible, but the increase in garden clubs with their common interests and interrelationships is making it more so. The other way is via the garden pilgrimages. festivals, and other events that are being staged in many communities and which, although open to and generously patronized by the public at large, still offer rich opportunities for the gardenminded person with keen eyes and a good idea of what he or she is looking for. Even the means for locating these occasions are multiplying. The headquarters of the several State Garden Club Federations will help, and their Na tional Council from its office in New York City. For some years the Chicago Motor Club has been issuing, under the title "Blossom Time," an interesting directory of flower festivals and gardens

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throughout the country. The latest aid is "The Gardener's Travel Book" by E. I. Farrington, secretary of the Massachusetts Horticultural Society (Hale, Cushman and Flint, $\$ 2.50$ ). Its 390 pages list and briefly comment upon private and public gardens, parks, arboretums, famous trees, etc. accessible in all the states and the Canadian provinces-only territorial United States being omitted. Traveled readers will probably go through it with the idea of checking omissions that they feel should not have been made, but as the first ambitious attempt of its kind, it is a mine of suggestions and provokers of wanderlust.
Here there is room only for mention of a few of this spring's larger and more important events and foci of horticultural interest. Foremost, of course, are the expositions in San Francisco and New York-the first already open, the second soon to be so. Although for a long time, the outlook seemed dark for adequate horticultural representation at either affair, much progress has been made, and in addition to the special, five-acre Gardens on Parade section at the New York World's Fair, trees, shrubs, flowers and lawns will play a big and essential part in the settings for many of the buildings and concessions as well as the dominant architectural and artistic features of the fairs themselves. Then, skipping about chronologically and geographically to follow an approximately alphabetical order, we can present this program:
Bermuda-The Bermuda Garden Club announces the renewal of its Wayside Gardens Competition. Entries closed March 20th, judging will be done the last week of the month, and prizes will be awarded during the Easter Week Flower Show in Hamilton.
Georgia-The third annual pilgrimage of the Garden Club of Georgia will be held from March 22nd to April 3rd in the following cities, in this order: Thomasville (1 day), Savannah (2), Augusta (2), Milledgeville (1), Macon (1), Columbus (2), La Grange (1), Newnan (1), Athens (1) and Atlanta (3). Both gardens and attractive, historic homes will be seen and information can be had from Mrs. Reginald S. Fleet, 80 West Wesley Road, Atlanta, Ga.
Houston, Texas - The Azalea Trail, originated and sponsored by the River Oaks Garden Club of Houston, was on view late in February, but there are other points of interest in and around the city for garden visitors to see now and later.

Maryland-One hundred and fifty homes and their gardens will be on view in this historic commonwealth from April 29th to May 7th during the pilgrimage arranged by the Federated Gar-

den Clubs of Maryland whose headquarters are in the Belvedere Hotel, Baltimore. Cross Manor, built in 1639 and said to be the oldest house in the state, and My Lord's Gift, the estate given in 1650 to Col. Henry Decourcey by the second Lord Baltimore and now owned by Mr. and Mrs. Thomas Marsalis, are two of the most interesting.

Mobile, Alabama-The famous seventeen-mile Azalea Trail here is a scene of brilliant beauty throughout March and part of April, and makes a fitting introduction to the many other floricultural effects to be enjoyed throughout this section of the Deep South. Outstanding among them, of course, are the Bellingrath Gardens, one of the real show places of the entire Gulf Coast region.
Natchez, Mississippi-Although it is to be regretted that discord ever arose in this lovely old community as an outgrowth of the garden pilgrimage idea, the result is a double opportunity for visitors. For the first of two annual pilgrimages will be conducted this year by the Pilgrimage Garden Club from March 4th through March 19th, and a second showing of other lovely ante-bellum mansions and their gardens will be presented by the Natchez Garden Club, which originated the affairs, from March 20th to April 2nd inclusive. Church recitals of old Negro spirituals, reception of guests by garden club members in quaint historic costumes, and other special entertainment features add to the interest of the entire period. As a souvenir for those who make the pilgrimage and as a partial substitute for those who cannot, there has been published locally "Natchez of Long Ago and the Pilgrimage" by Katherine Grafton Miller.

Texas-Encouraged by the success of three previous garden pilgrimages to Mexico, Mrs. Ben G. Oneal, indefatigable Pilgrimage Chairman of the South Central Region Garden Clubs, has worked out an extended program for this year. It began with the fourth anual pilgrimage to Mexico (March 3rd to 10th) immediately following the Garden Club of America meeting in Houston; then, for members planning to attend the Pacific Coast Regional Meeting of Garden Clubs in San Francisco, April 26th to 28 th, she has arranged several days of sightseeing at the Exposition and in California, followed by garden pilgrimages to Honolulu (May 5th to 22nd) or to the Pacific Northwest for two weeks, each of the trips to conclude at Colorado Springs, in time for the National Convention of Garden Clubs, May 23rd, 24th, and 25 th. Information can be obtained by writing Mrs. Oneal at Wichita Falls, Texas.

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Virginia-This state, also rich in historical as well as horticultural interest, will be the scene of the tenth annual Garden Week of the Garden Club of Virginia from April 24th to 29th. More than one hundred of the finest gardens and most attractive homes will be open to visitors and the proceeds, as in the past, will be used to carry forward the restoration of the garden of Thomas Jefferson at Monticello in accordance with his own plans for its development. Information about this event can be had from the Club headquarters in the Jefferson Hotel, Richmond, Virginia. E. L. D. Seymour

1958 achievement medal awards
[Continued from page 34]
immense, informal decorative of true purple deeply edged with amaranth pink.
Burholme Horticultural Society, Burholme, Pa. Sept. 23 and 24: To Stanley Johnson, Cheltenham, Pa for Roulette, a bright pink, semicactus dahlia shading to a cream center. It is pictured on page 34 , second from the top at the left. Dahlia Society of California, San


Stanley Johnson's second winner, Jean Johnston
Francisco, Aug. 26 and 27: To Ballay Dahlia Gardens, Palo Alto, Calif. for Gertrude Lawrence, inf. dec . of bright cerise red, which won over nine others and was selected by the popular actress, appearing in San Francisco at the time, to be named in her honor. Illustrated at the bottom of page 34 .
Camden (N. J.) Dahlia and Horticultural Society, Sept. 30 and Oct. 1: To Stanley Johnson, for Jean Johnston, yellow cactus, which triumphed in what was called "the finest seedling class ever seen at this show."
Central States Dahlia Society, Chicago, Sept. 17 and 18: To J. F. Stonek, Racine, Wis, for Emessee (M.S.C.) inf. dec. of cream yellow suffused with strawberry pink giving a light autumn effect; a seedling of La Reina raised by J. L. Roberts of Chicago for whom it also won the Medal in Wisconsin. See illustration at top of page 34.
East Bay Gladiolus Society, Oakland, Calif., July 23 and 24: to Carl


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Salbach, Berkeley, Calif. for California, a large, salmon colored variety. Pictured at the bottom of page 33.
Dahlia Society of Georgia, Allanta, Ga., Oct. 6: To B. E. Phillips, Atlanta, for Westwood Chieftain, semi-cactus offspring of Satan Indiana Moon; base of petals flame color, blending to light tan at the outer edge; size ranges from 9 to 10 in . in diameter. Illustrated on page 33 .
Indiana Gladiolus Society, Aug. 20 and 21: To Mrs. John Sherwin, Jr., Willoughby, Ohio, for one spike of Aladdin, exhibition type, salmon pink tinged with cream, carrying 21 buds, nine open, all over 6 inches across; judged best flower in show.
Irvington (N. J.) Garden Club Sept. 15 and 16: To the late Alfred Stockman of Irvington for his entry of the dahlia Watching Giant which was adjudged the best bloom in the show. As he died suddenly after the show but before the medals were awarded, the trophy was posthumously presented to his sister.
Dahlia Society of Kentucky, Louisvilla, Sept. 24 and 25: To C. W. Simbritski, Louisville, for Silver Hook, a 6 to 8 inch cactus with twisted petals, coral pink on the face, lavender with a silver center vein on the reverse; flowers from nine plants were shown at five exhibitions winning five firsts and the Achievement Medal. See right.
Maryland Gladiolus Society, Havre de Grace, Md., Aug. 13 and 14: To H. V. Wright, Edgewood Arsenal, Md. for Chesapeake, a salmon pink decorative with rich cream throat markings and much ruffled petals. See center illustration at bottom of page 33.
Michigan Gladiolus Society, Grand Haven, Mich., Aug. 19, 20, and 21 : To Mrs. George Kinyon, Gladwin, Mich. (the only honorary life membet of the Society) for Emblem of Purity, a pure white, ruffled decorafive which won a cup and the Medal the first two times it was shown. Illustration on page 33 at right.
Midwest Horticultural Society (American Iris Society cooperating), Chicago, May 21 and 22: To Robert H. Gore, Jr., Lake Zurich, III. for Mount Cloud, of which no description was supplied.
National Capital Dahlia Society, Washington, D. C., Sept. 24 and 25: To Maryland Dahlia Gardens, Woodlawn, Md. for Ruth Quick, an 11 -inch inf. dec. of mauve color shading to lavender with a crystal sheen; won over forty-two entries in the seedling class.
Dahlia Society of New England, Boston, Mass., Sept. 10 and 11: To John Young, Braintree, Mass. for Ko Ki , a 13 -inch red and yellow cactus, called "best in the show."
Northern New Jersey Horticultural Society, Passaic, N. J., Sept. 10: To Chis. S. Whan, West Norwood, N. J. for Thomas J. Watson, inf . dec. of soft buff with rose reverse.
Dahlia Society of Ohio, ClaveDahlia Society of Ohio, Clave-
land, O., Sept. 17 and 18: To Walter Bissell, Austinburg, O. for Hillside Sunset, a large, inf. dec. of yellow edged with grenadine red, which defated, among other entries, three blooms of Lois Watcher.
Ohio State Gladiolus Society, Colimbus, O., Aug. 27 and 28: To


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Herbert O. Evans, Bedford, O., for Dazzler, as grand champion of the show, An exhibition type variety with 6 -inch florets of vivid velvety orange-scarlet with a deeper central blotch.

Peekskill (N. Y.) Dahlia and Gladiolus Society, Sept. 16: To Samuel Travis, Oscawana, N. Y. for Langeloth, a red and white, bicolor, inf. dec. dahlia, 10 inches across.
Pennsylvania Horticultural Society (and Pennsylvania Railroad Garden Club), Philadelphia, Sept. 23 and 24: To George C. Eldridge Jr. Wenonah, N. J. for Marietta E., 7inch incurved cactus dahlia of clear yellow, given a certificate at Storms, Conn. in 1937 and a rating of 81 points at East Lansing, Mich. The illustration on page 32 is from a natural color photograph supplied by the exhibitor
St. Louis (Mo.) Horticultural Society, Missouri Botanical Garden, Oct. 8 and 9: To Richard Kramske Lemay, Mo. for an 11-inch bloom of California Idol judged the best in the show.
Portland (Ore.) Dahlia Society, Sept. 27 and 28: To T. Johns, Alameda, Calif. for an entry of Carl Salbach's novelty Mayor Frank Otis, a decorative of immense size. consistently 12 to 15 inches in diamter, with one bloom of 17 inches recorded; light to dark golden honey yellow. See illustration at the top of page 34.
Rockville Centre (N. Y.) Dahlia Society, Sept. 24: To H. Dewey Mohr, Rockville Centre, for Rita Wells, a bronze inf. dec. variety originated by Ralph Wells of Fairmont, West Virginia who also produce d Sunrays, with which Mr. Mohr won in 1937. See page 34.
Scranton (Pa.) Washburn St Presbyterian Church Flower Show, Sept. 14: To Ernest Heinen, Scran-


Silver Hook, medal winner in Louisville, Kentucky
ton, Pa. for Charles Zupp, incurve semi-cactus dahlia, dark garnet red on the face, violet-purple on reverse. Seattle (Wash.) Dahlia Society, Sept. 10 and 11: To Richard Jones, Edmunds, Wash. for Catherine J., a 10 -inch inf. dec. of colonial buff, the face of the petals deepening to thulite pink, some with pinkish cinnamon center ranging to light rosalane purple edges.
Dahlia Society of Toledo, Ohio, Sept. 10 and 11: To Mrs. E. Mac Dowell, Fairview Village, Ohio, for

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Emma Walker, a semi-cactus of yellow and old rose, the unopened petals showing lavender tips and reverse.
Washington Dahlia Society, Tacoma, Wash., Sept. 9 and 10: To Mrs. J. W. Lee, Tacoma, Wash. (president of the Society) for Silver Wings, large ( 10 -inch) cactus with faint pink blush at base of petals; won in a class of nine entries of excellent quality. See page 34.
West Virginia Dahlia Society, Fairmont, W. Va., Sept. 16 and 17: To Mrs. Claude Linger, Fairmont, W. Va., for America's Sweetheart, a large, yellow, inf. dec. judged the best flower in the show.
Dahlia Society of Wisconsin, Milwaukee, Wis., August: To J. Louis Roberts, Chicago, IIl. for Emessee, his origination, which was also the winner at the Central States Dahlia Show. In this case, too, it was shown by Mr. Stonek of Racine, Wis., but the Society certified Mr. Roberts as the winner of the class. See illustration on page 34.
Perhaps a word will be in order regarding the four cases in which the Medal was asked for but not awarded. The Dahlia Society of Alabama reported that the award was not made "because there were no outstanding entries as compared with existing varieties." The National Gladiolus Society decided not to offer it pending a discussion and decision regarding the terms of award; a matter which we expect will be straightened out before another show season. The exhibition of the Dahlia Society of New Jersey, scheduled for September 27 th and 28th, had to be cancelled "due to weather conditions," in other words, the effects of the disastrous hurricane. The Racine County (Wiscon$\sin$ ) Dahlia Society also withheld the Medal because the entries were not considered of sufficient merit.

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[Continued from page 15]
yield of ten or twenty per cent may be interesting and tempting, but will not cut down the cost.

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new root-promoting chemicals which gave a measure of success with three or four varieties. But these varieties are white, pink and pale purple, while the public preference is mostly for deep red.
During its development, the method has been kept secret, but it will shortly be published by the New Jersey Agricultural Experiment Station, at New Brunswick, in a paper by the writer and Dr. Charles H. Connors. Once the formula is published, anyone will be able to raise the fine, deep-red variety Atrosanguineum and the almost equally brilliant varieties Kettledrum, Caractacus, Edward S. Rand, and Charles Bagley, which have been rare because difficult to graft. Before long these kinds should blaze in all their glory among suburban evergreens.

Any amateur can also root by the new method America, Charles Dickens, Charles S. Sargent, Henry W. Sargent, F. D. Godman, Dr. H. C. Dresselhuys, Ignatius Sargent. Mrs. C. S. Sargent-all the fine reds of various shades, though the number of cuttings which strike root will be less than fifty per cent, often much less, whereas Caractacus at best has given as high as ninety-seven per cent. Some of this second list root so poorly that a professional propagator could hardly afford to bother with them, yet an amateur need think nothing of putting in a dozen cuttings of Charles Dickens, for instance, in the hope that two or three will root. With such varieties, losses from grafts are also so heavy that most nurseries refuse to handle them at all. But the loss of a few cuttings is no great matter, since the labor expended on them is almost nil.

Cuttings of white, pink, and purple named hybrids, which some people prefer, root easily for the most part. Their advantages over native species include purer color, larger and more plentiful flowers, better habit of growth, and ability to thrive well under cultivation.
Cuttings of other plants related to rhododendrons can be rooted along with them, as well as those of most other evergreens and many . perennials. True, some of these other cuttings will root as well or better when handled in the conventional manner described in textbooks on propagation. But many an amateur will prefer the new rhododendron method because it involves so little care. The propagating frame can be left for weeks (a month or more at certain times of the year), without any care at all, and the cuttings will be none the worse, as moisture conditions are almost selfmaintaining. Once the propagating medium has been made up according to formula, it can remain in the box as much as two years, or until disturbed by the removal of

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successive crops of cuttings; meanwhile it stands ready to receive them at any season except midwinter. With a slight modification, the same system will root cuttings of nearly all species and varieties of hollies, though most amateurs consider these difficult by ordinary methods.

BT chiefly I hope that now much larger quantities of the best rhododendron hybrids will be raised and planted. Perhaps we may see something to rival, as nearly as climate will permit, the magnificent thododendron parks of south and west England. Breeding experiments will soon add even finer varieties to an already impressive list and hundreds of horticultural enthusiasts who cannot now afford to buy the highpriced plants will find it possible to have them in glittering plenty by merely begging a few twigs from a neighbor and rooting them. Owing to a promise made to the New Jersey Experiment Station, I cannot here give the full details of the method, and it is better that I should not, because, while simple and easy in operation, they involve important new principles of propagation, which must be thoroughly understood, or the work may fail. The complete explanation requires much more space than is available here and is contained in the prepared paper, which will shortly be issued as a bulletin of the New Jersey Agricultural Experiment Station for free public distribution. Anyone interested in the method should write to the Station at New Brunswick, N. J.
Briefly, however, the procedure is as follows: Partly bury a box in the ground; shade it so that no sun can touch it; half fill it with peat, sand, and other common material, stratified according to an exact formula; put the cuttings in it, and cover it with a glass sash. No further care is needed except to water the cuttings occasionally and spray them three or four times with bordeaux mixture. By the next year, a good share of the cuttings will have taken root. Editor's Note: Since receiving the foregoing article, we have been told that permission has been given the Rhododendron Association (of England) to reprint much of the material from the New Jersey Bulletin. The Yearbook usually reaches Association members in America in April.


FAMOUS GARDENS OF HISTORY MIRAMAR..


- If you want your flowers to bloom in all the glory that nature intended, you must give them proper care and protect them against damage by many insects. An easy and highly effective way to do this is to spray regularly with "Black Leaf 40."
MORE EFFECTIVE AND ECONOMICAL
Because "Black Leaf 40" kills both by conBecause "Black Leaf
tact and by fumes and because so little makes so much spray, you are assured of maximum yet inexpensive control.
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Be a good neighbor to your best neigh-bors-the song birds. Attract wrens, martins, blue birds, cardinals, etc. Singing and nesting, they'll enliven your garden or estate-delight your children and friends.
When birds come, bugs gol Without birds,
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Mr . Dodson, greatest living authority on birds, regularly supplies his "Lifetime" redwood and cypress
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[^8]

JOHNSON'S WAX gives banisters, lampshades and table tops a wonderful, lustrous polish admired by everyone. There are 100 household uses for this real wax beside its main use for floors, furniture and woodwork.


This charming, white mantel and the picture frame are protected from dirt and smudges by a gleaming Johnson Wax polish. Also, the handsome marble and the andirons are wax protected for easy cleaning.
(Below) These painted canisters are bright and shining! Sticky finger marks can't cling to the sleek Johnson Wax polish. The oilcloth on the pantry shelf is also waxed, so dishes won't stick to it. It's so easy to clean!

IMPORTANT: Johnson's Wax is a blend of pure waxes only so a little rubbing is necessary to produce a wonderful longlasting polish. But remember, real wax gives greater protection and beauty-is more economical to use!


## ASummer House in my Garden

## CHESLA C. SHERLOCK

DICKENs made one of his characters express quaintly a common dream when he wrote: "I shall be a gen'I'm'n myself one of these days, perhaps, with a pipe in my mouth, and a summer house in the back garden."
We have our individual ideals of what constitutes "success" and "gracious living," and these standards may vary a great deal according to viewpoint, but it is safe to say that the most common dream of all is a garden around the house. And that garden will never be absolutely complete unless it includes "a summer house."
The pergola, vine-clad trellis, summer house-whatever you prefer to call it-is the final period to most garden making. It gives point and emphasis to most plans and is the terminus of most focal points of interest. It may carry out the architectural feeling of the house, or it may merely reflect the atmosphere of the garden. But one thing is certain: no pergola or summer house should be built solely for architectural effect. It should be of incidental value along that line, and its most worthy function is that of providing a vantage point where the family can really enjoy the garden and whole yard.
Even the small city lot may have its garden retreat. Readybuilt summer houses are on the market that can be erected easily by anyone and whose cost is well within the family budget. Some, in rustic patterns, are especially sturdy and will last a good many years with proper care. They are certain to add new meaning to the phrase "outdoor living room," and one soon finds that they make the back garden one of the most popular spots on the place.
You may prefer to build your own retreat, as I did in my first city lot garden which was approximately 50 by 60 feet in size, and a part of the rear lot. In the center was a lawn area and in the exact center of the lawn a lily pool was constructed. Around the whole was a sturdy picket fence
and against the rear fence, directly behind the pool, was located the pergola.
It was 6 by 8 feet in size and 7 feet high, constructed economically by using pecky cypress for the framework and to box in the fir posts. The bench was of best quality white pine, and the floor was paved with flat stones cemented in place.
The first year, while the-clematis and honeysuckle were getting established, annual vines were planted for shade. The shrubbery beds along the back fence gave a feeling of privacy, and in spring the hugonis rose bushes on either side were a riot of color. The lines in front were further softened by planting two pyramidal arborvitae, one at either side of the entrance.

THIS little retreat greatly increased the enjoyment of the backyard garden and was used a great deal more than was considered possible. The vines soon made a thick growth overhead and provided ample shade. The cost of such improvements is soon forgotten in the genuine enjoyment they add to gardening. I never felt so rich and so much at peace with the universe as when a humming-bird used to visit me at this spot late in the afternoons. Attracted by the honeysuckle, no doubt, it soon became so friendly that it paid slight attention to me. To be able to attract a humming-bird to one's garden in the midst of a crowded city block is an achievement and a source of lasting satisfaction. Just to have a summer house in the garden means great pleasure.

 will last so much longer. Jim liked that!
"Maybe you'll think I'm lazy, but I don't scrub this floor. And I don't polish it, either. Just wash it when necessary and freshen it up now and then with Armstrong's Linogloss Wax. How is that for a real work-saver?"
Why not find out how Armstrong's Linoleum Floors can lighten your housework and brighten your home? Just stop in any day at your nearest linoleum merchant's.

Be sure to look for the name Armstrong's on the back of the goods you buy

## ARMSTRONG'S LINDLEUM FLDORS

 for every room (A) in the housePLAIN - INLAID - EMBOSSED - MARBELLE - JASPÉ - MONOBELLE - PRINTED - ARMSTRONG'S QUAKER RUGS and LINOWALL

## Saks Fifth Avenue's energetic vice-president

Mary Lewis___avoids nervous tension


1. MARY LEWIS started work as a $\$ 12$-a-week typist. Today she is one of the highest-salaried executives on Fifth Avenue-vice-president of New York's swank and glittering department store, Saks Fifth Avenue. She unerringly recognizes new trends-toward cancan stripes, back-to-earth shoes, or whatever! Her formula for success is: "Work hard-and don't get tired doing it." So, Miss Lewis says: "I work hard-but I also enjoy frequent let-ups. Ever since I started letting uplighting up Camels,' I notice that my nerves feel smoother at the end of the day."

2. THE SCOOPa new "exclusive" from Saks Fifth Avenue, sponsored by Mary Lewis. Rocker-bottom "corks," upholstered in white suède, brilliantly lined and strapped in green. Already a success in Palm Beach, this beach-and-fun shoe will probably be highfashion at summer resorts.


Smoke 6 packs of Camels and find out why they are the LARGEST-SELLING CIGARETTE IN AMERICA

Camels are a matchless blend of finer, MORE EXPENSIVE TOBACCOS
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MILD...RICH-TASTING!

5. "SCOTTIE"- popular name for the lively Scots terrier, a dog that always seems ready to play. But notice that when he tires, he instinctively relaxes.

6. ORGANZA GLOVES -designed in Paris for Saks Fifth Avenue, in Primrose Yellowor Prairie Green. These gloves are typical of the exciting fashions Miss Lewis discovers in Paris and New York."My shopping expeditions are often quite a nerve strain," she says. "But the moment I feel myself getting jumpy, I ease up-smoke a Camel. A grand way to rest the nerves!"

7. BEACH HAT of Nassau straw, lavishly swathed in Circus Pink jersey-another Mary Lewis "find." She says: "Fashion work is fascinating - but hard on the nerves. Hour after hour -I study merchandise, attend meetings, trot all over Saks' seven floors! So I ease up now and then and smoke a Camel. These Camels, they certainly are soothing to the nerves!"
will-power and ambition may drive us to push on without a pause. Nerves get strained, dispositions jumpy. How much more pleasant to enjoy smooth nerves! So pause now and then. Let uplight up a Camel. Smokers find Camel's costlier tobaccos soothing to the nerves. His nervous system-like ours-is highly strung. When our instincts signal that it's time to rest our nerves-


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