

HOUSE & GARDEN

A Condé Nast Publication

UNIVERSITY OF HAWAII

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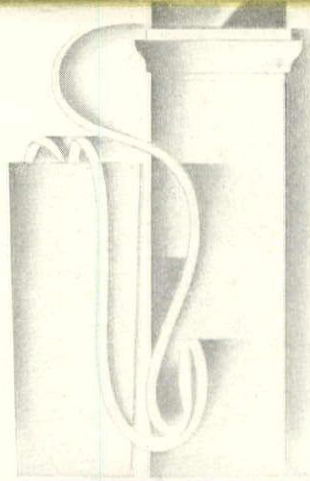
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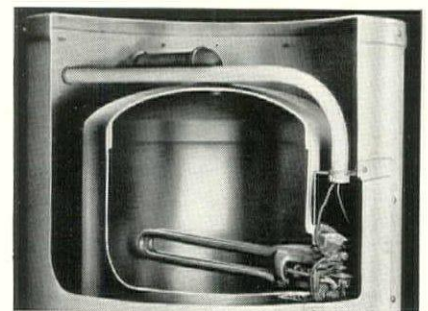
Remember, too, that today a rust-proof Everdur tank costs only a little more than a tank of rustable metal, *an insignificant amount* when the many extra years of expense-free service are considered. The majority of leading manufacturers are furnishing automatic water heaters with tanks of welded Everdur (strengthened copper) . . . at prices lower than were believed possible just a few years ago.

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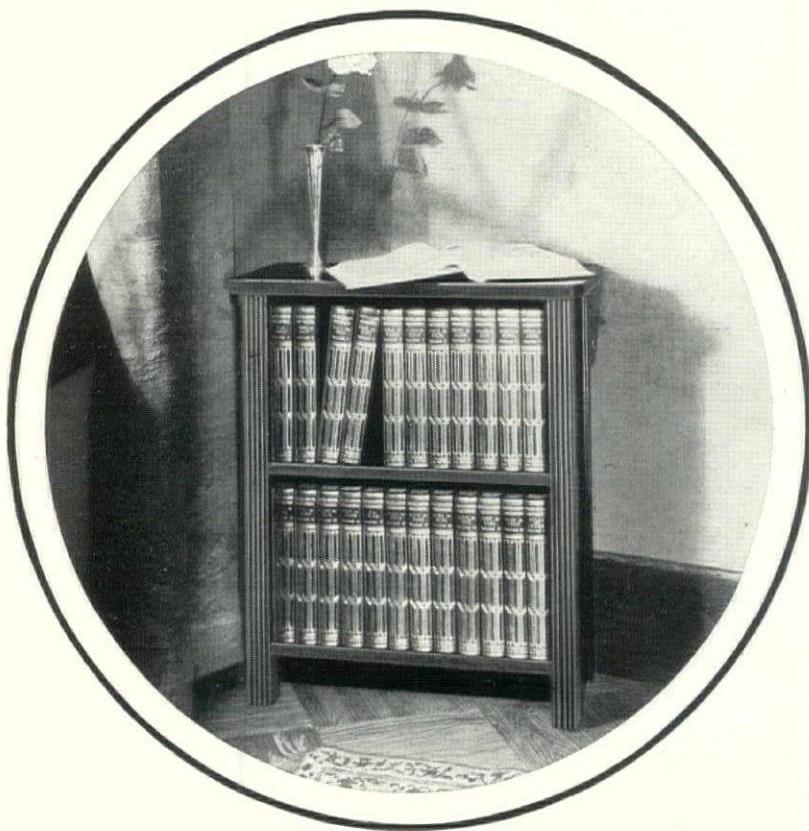
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House & Garden recommends the excellent schools listed on these pages and suggests that you write to them for their literature.

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Address all school inquiries and correspondence to House & Garden's School Bureau, 1930 Graybar Building, Lexington Avenue, at 43rd St., New York City. Or, if it is possible for you to do so, call in person. We will be glad to discuss your school problems with you.

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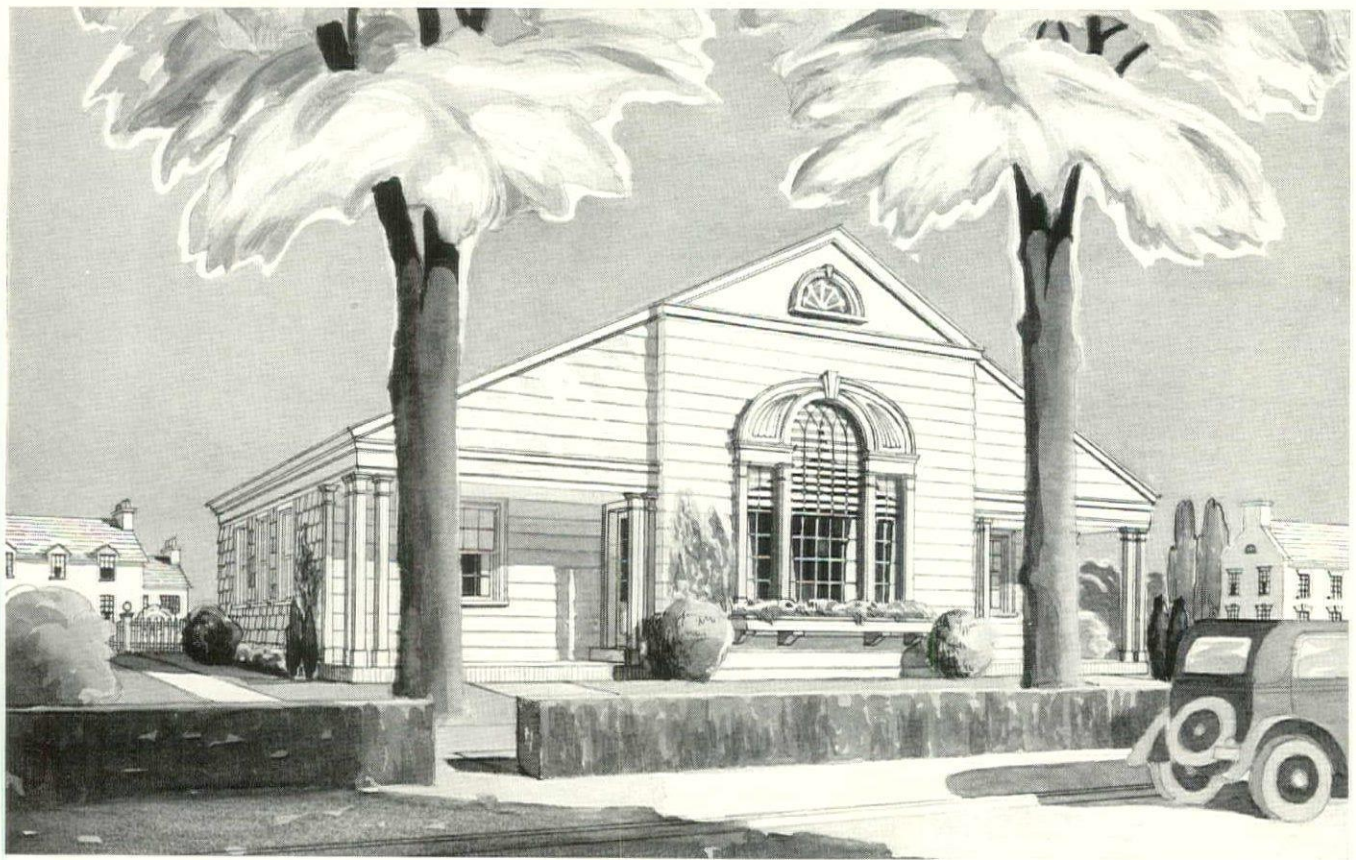
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Place him where he will find the best for his individual needs; place him where his associations will parallel those of maturer years. Study the types of schools listed on these pages and write for literature to those you think most suitable. Then, if you desire further information, consult House & Garden's School Bureau, 1930 Graybar Building, Lexington at 43rd Street, New York City.

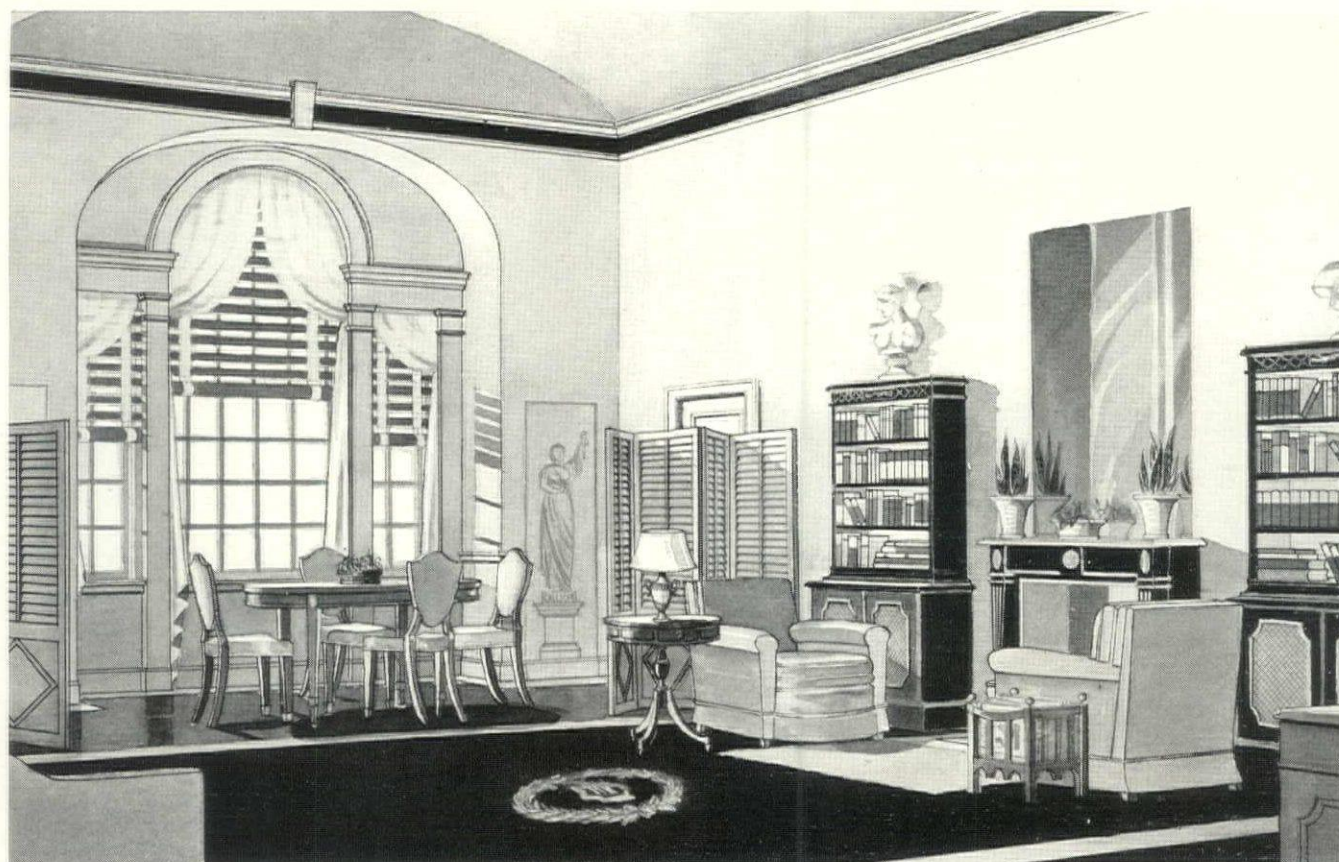


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W. & J. SLOANE, 575 FIFTH AVENUE, AT 47TH STREET, NEW YORK



The furniture and decorations, all of which were specially designed by W. & J. Sloane for this house, are now carried in our regular stock and are available for immediate delivery.

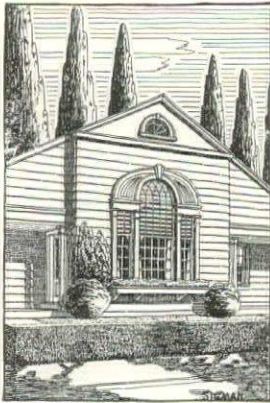
COLOR IS THE KEY TO THIS ROOM

Against a dead-white background, cherry red, emerald green and black are used for a striking and beautiful effect. Of special note are the white shutter screens (used as a partition when you dine), the black-and-white floor and the fireplace, red Venetian blinds, wallpaper panels of the Muses that conceal doors, the green ceiling and the English furniture . . . Each room of the house has its own definite character—sensibly modern with an individuality that is as much a part of the whole house as flowers and leaves are part of a tree . . . Need we say that every article of furniture and decoration, though inexpensive, is of the quality and style you expect from Sloane's?

W. & J. SLOANE, 575 FIFTH AVENUE, AT 47TH STREET, NEW YORK

HOUSE & GARDEN PRESENTS

ITS LITTLE \$5000 HOUSE



WHAT makes one house more attractive than another?

What do prospective house-buyers and house-builders demand today?

As a diamond is made attractive by many facets so does a house become attractive by many features. The sum of these features represents its value to the owner. The facets of the attractive, livable house fall into three groups—the architecture, the materials, and the construction.

Its architecture must have character. It must be intrinsically in good taste and at the same time suit its site and neighborhood. Its plans must meet the requirements of contemporary living, and its cost the modern purse.

Its construction and equipment must include quality products with which the public has become acquainted through advertising and in which they have gained confidence through many evidences of consistent service.

These good materials and household devices must be applied and installed by skilled, honest labor so that the owner reaps the full benefit of their quality.

In the small house, when every inch of space must contribute its share of livableness and service, these three requirements are essential above others. And these three House & Garden set as its ideals when it came to present its Little House, which is the first of a series of small houses to be shown complete, with plans and specifications for the building, decorating and landscaping. Its construction cost is \$5,000.

While House & Garden's Little House is already being constructed in two suburbs—Plainfield, N. J., and Westport, Conn.—for the convenience of public inspection a full size replica of it is on display at W. & J. Sloane's in New York City. Into the construction of this house the following materials and equipment, well known to the public, have been included:

Roofing, paint and wall board by Certain-teed Products Company. Exterior shingles by the Creo-Dipt Company. The construction is by Schelling-Bush.

Kitchen fixtures by the General Electric Company. Kitchen cabinets by Janes & Kirkland. Kitchen equipment, Lewis & Conger.

Bathroom fixtures by the Standard Sanitary Mfg. Company, with brass piping from Anaconda Copper Company and accessories by the Fairfacts Company. Radiators by American Radiator Company.

The planting is by the Outpost Nurseries. French woven fencing in the rear was supplied by the Dubois Fence and Garden Company and the picket fence in the front came from Hartmann-Sanders.

The living room mantel is from Wm. H. Jackson Company. Fireplace brick was supplied by the Auburn Brick Company. Venetian blinds are from the Western Venetian Blind Company and the linoleum in the living room is from Sloane-Blabon.

Carpets are from Alexander Smith. Curtains in the Master's bedroom are Celanese taffeta. The pine paneling paper in the study is from Richard Thibaut. Esmond blankets have been placed on the beds.



Now, in the Winter of our Discontent, a dazzling sun shines on the flat roofs and minarets of Casablanca. Naples' blue bay ripples to a breeze from slumbering Vesuvius. At Monte Carlo, the *Casino* is alive with brilliant company. . . . Everything is bright. Everything is sunny. . . . A delightful oasis in a damp, miserable world.

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. . . or Monaco, the Corniche drive, golden Riviera beaches, gambling and gayety. . . . Then homeward . . . fascinating Majorca . . . the rugged Azores . . . and New York, after 36 memorable days.

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is comfortable, congenial, and enjoyable. . . . See your own travel agent. He will be glad to help you plan to cruise on *France-Afloat*, and bid *Farewell to Winter*. . . . French Line, 19 State St., New York City.

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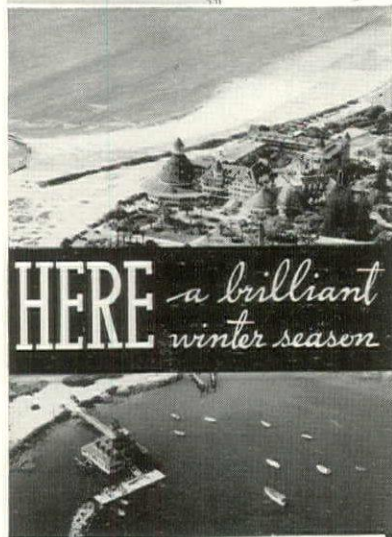
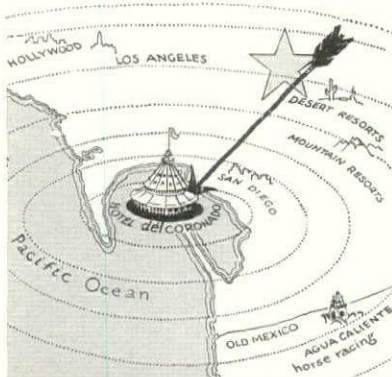
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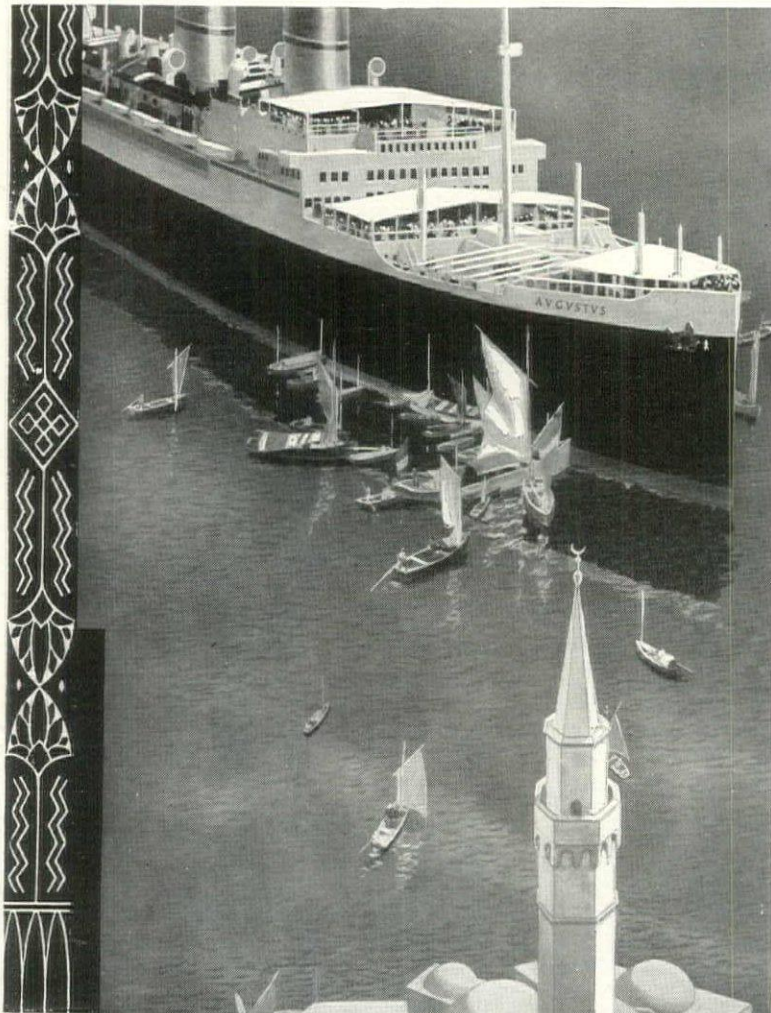
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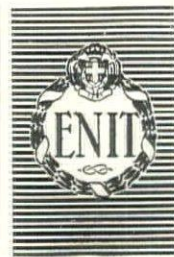
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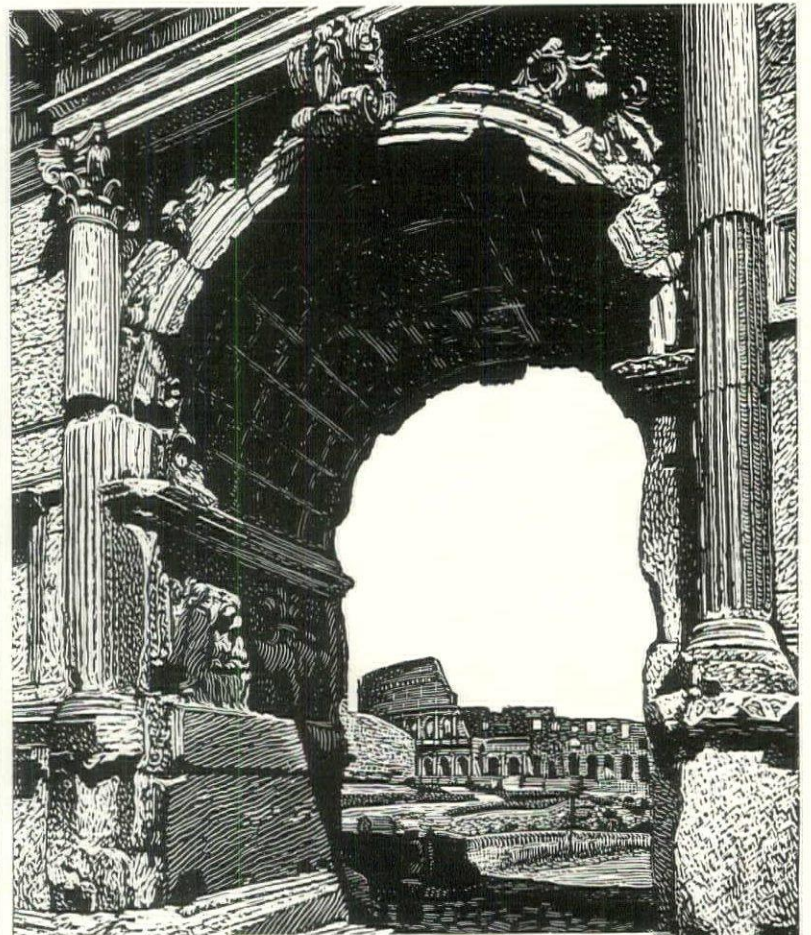
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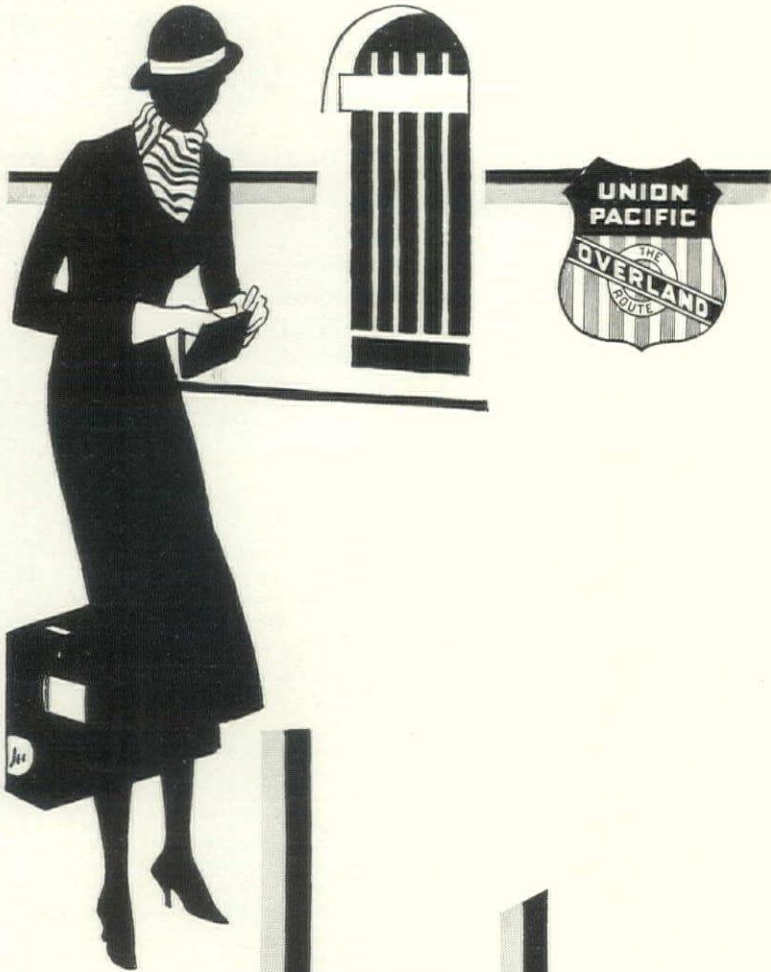


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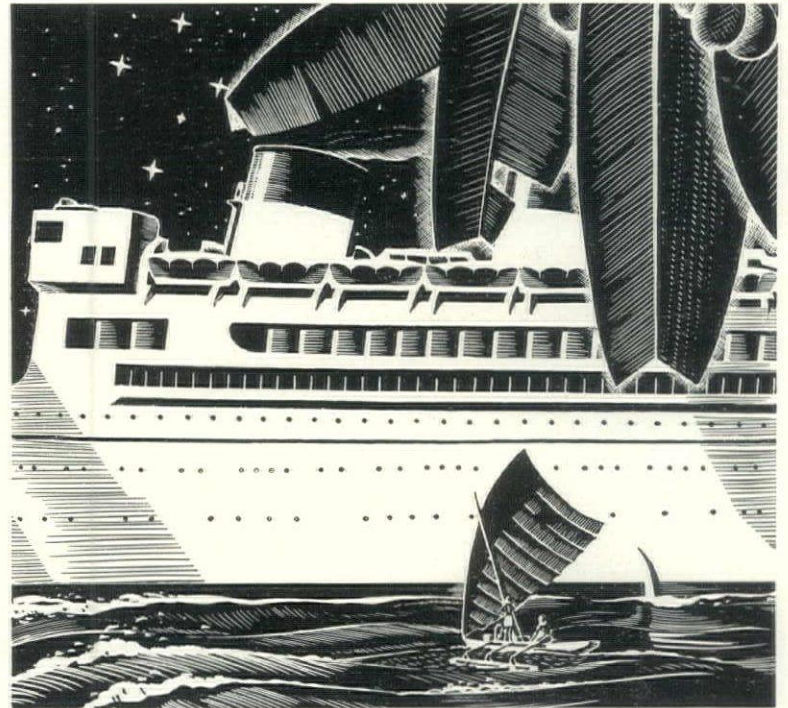
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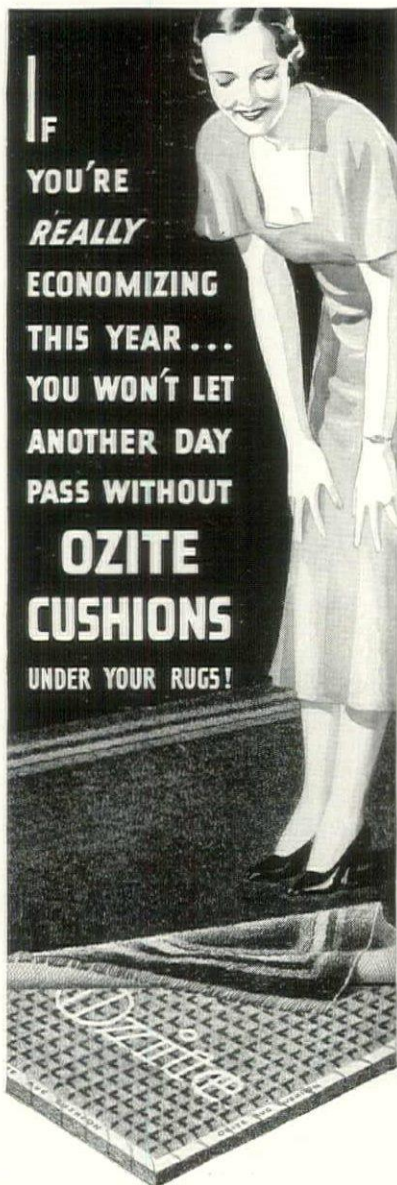
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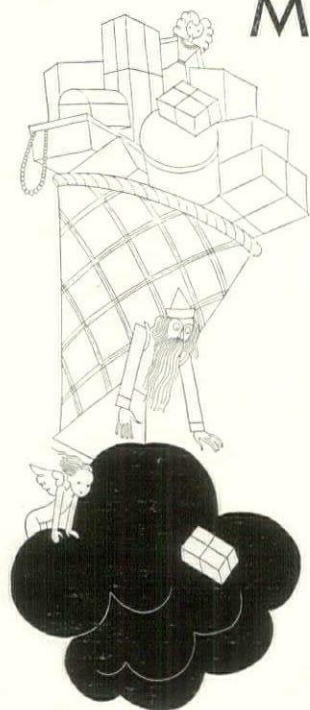
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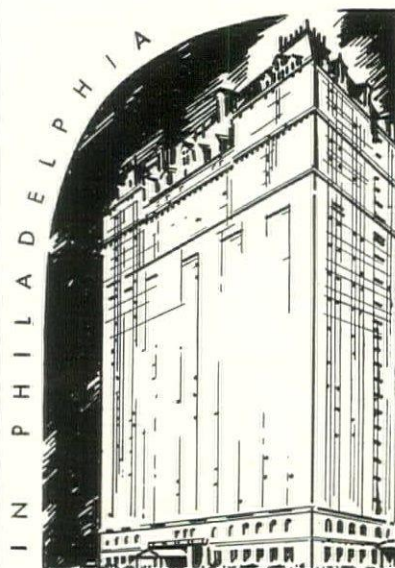
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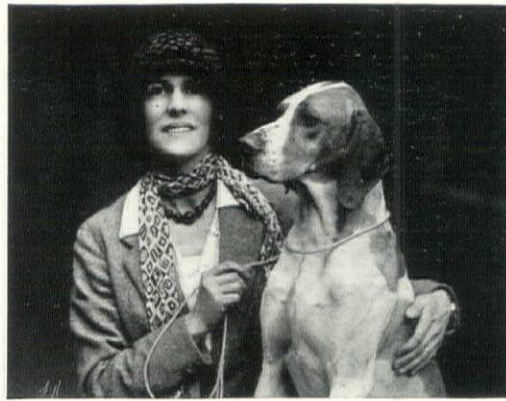
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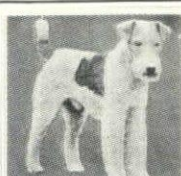
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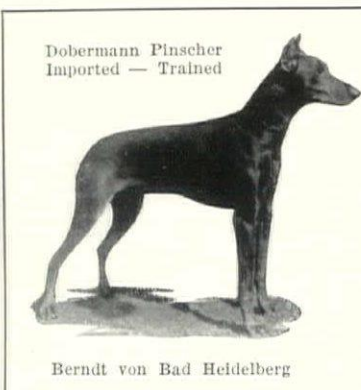
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Champion bred at reasonable prices. Please state wants clearly.

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We hold the world's records for chows.

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BLUE DEMON KENNELS
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and seven of these proved winners on bench and in the field. The greatest was Ch. Nancolleth Mark.

"Environment also has a lot to do with a dog's outlook on life, and early training from a month old. I can well remember 'standing' Peter and Pann at that age—really just playing, but that is what does the trick; the dog does not realize it's a lesson and just falls into the position you wish. After, as time goes on, just the word 'stand', a finger under the head and a flick on the tail, and Peter and Pann would pose with head and tail at the correct angle, perfect trust in their owners or handlers. This is how my dogs score. They are never afraid I shall lose my temper and have slaps and hard words. No! No! I do not believe in whip or stick or harsh, unnecessary words. My kennel boy and my maid have learned my ways and speak to the dogs in a manner that one would use to a human being. I would not keep any one in my kennel whom I knew not to be a real dog lover.

"I am with my dogs from 9 o'clock in the morning until lunch time. They rest for all of us in the afternoon. After tea, I am out with them until dark. Both my husband and myself love a simple outdoor life—his hobby is shooting and our dogs live an ideal life. We have a fence around our place of 300 acres so they have plenty of partridges and birds to give them a real interest in shooting life.

"The very name of shooting to Peter was enough to make him mad with excitement. As a puppy he was always keen on hunting the ground and I am afraid he used to be rather naughty and run off to big field and Sugar Beet, where he knew he could find birds. He had to be corrected, and that was hard for me, but he soon realized what was wrong and would wait for me, sometimes he would break away and then the trouble began, for when he returned it was difficult for me to keep a straight face! As he would come back and drop some distance away and wait for me to come up—and oh the sorrowful expression and what dejection when I told him to heel! Naturally I could not be cross with him long, and at the words 'Peter, are you going to be a good boy?'—'Yes,' says Peter with a jump, and paws up nearly on his shoulders and then we were friends again—he was wonderful.

"I was out training Peter with a noted trainer (G. Chapman of Trewithen). Peter's grandfather was Trewithen Must. Peter made a mistake—so Chapman said to me 'Mrs. Rowe, you must whip him.' My reply was 'No!' We walked up to Peter, who by this time had dropped. (He knew he had done wrong.) I just looked at him and said 'Oh Peter, how could you!' That was enough. Peter's heart was in his mouth, and he sprang into my arms and just asked to be forgiven.

"Chapman said, 'Mrs. Rowe, I am wrong. That dog never

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One of America's oldest and best known breeds

We usually have a collection of young and grown stock on hand

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Satisfy every demand for a dog suitable for children or adults. Sweet in manner and steady in temperament. We offer them in solid and parti-colors of various ages in both sexes.

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Cocker Spaniels



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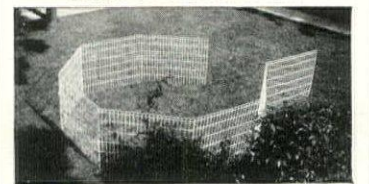


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All-in-One Food for Dogs!

PURINA Dog Chow is something out-of-the-ordinary in the way of dog food. It is not just prepared meat, nor just a baked biscuit but a combination of 10 ingredients—the all-in-one food for dogs. Sure there's meat in it and cereals, too. As a matter of fact, everything such as cod-liver oil, buttermilk, molasses and the like, are in it to make Dog Chow a complete food for dogs.

Vitamin Protection!

THERE'S something else you'll like about Dog Chow. It isn't baked like dog biscuit for baking destroys health-giving vitamins. Dog Chow is prepared by a special process which preserves the natural goodness of all the ingredients. It comes in handy checker form—two sizes, which makes it easy to feed.

Saves Money, Too!

FIVE pounds of Dog Chow equals 15 pounds of fresh or canned meat in feeding value. That makes it easy on the pocketbook. Something to think about at a time like this.



FREE SAMPLE
(This offer expires December 15, 1932)

Purina Dog Chow Dept., Purina Mills, 954C Checkerboard Square, St. Louis, Missouri.

Purina Dog Chow seems to be just what I want for my dogs. Send me a sample, postpaid. Thank you.

Name.....
Address.....
No. of dogs..... Breed.....

wants the whip, and what I would give to own him!' Honestly the man had tears in his eyes, to see how upset Peter was, and he said he had never seen a dog with such understanding.

"Peter always had a very sweet way of putting his two paws around my neck and loving me by rubbing his head against my face and then trying to nibble my ear. Pann was also very sweet, but Peter was and is my great love. I miss him terribly and only the expense of the voyage keeps me from coming across to see him. The most in life that I want at present is to come to your country to see Peter and Pann and especially Peter, and some day I mean to come!

"Peter was first shown at a local show and of course carried off all the prizes. Unfortunately he brought back distemper and gave it to his brothers and sisters. However, with careful nursing, all recovered without any ill effect. I do not like my dogs to be ill, but really one gets to know them so well when they are ill. Peter was a dear and so good; in fact, so good that he would actually drink brandy and glycerine and lick out of the cup, and then ask for more. Perhaps he has forgotten the taste now he is in America! He also had a passion for flowers, and would pick off the heads of all flowers. When quite a puppy he ruined a large bed of tulips by simply biting off the heads and carrying them to tell the tale. He was a great pal with all cats but hated small dogs. He won all hearts wherever he was and I think was a bit vain of his good looks; the very way he walked into the ring was enough to make him win—and he would, without a lead or my hand near him. This he did when judged best in show at Manchester, and it simply brought down the house.

"I am afraid my letter is very rambling, but I hate writing as much as I love dogs. I feel there is a lot now I ought to have told you. I have hardly mentioned Nancolleth Beryl, and she is equally as good as Peter; and their lovely Mother Ella of Crombie has not been mentioned. She is now nursing five lovely puppies; two are already named Peter and Pann. They are nearly a month old and are truly lovely. So I hope for great things later on. I forgot to say that my husband's people have had the Nancolleth strain for over fifty years."

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No Fleas
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Drives Away All Vermin
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A specially prepared cedar excelsior of just the right texture. Springy, like a mattress. Releases all of cedar.

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55% BEEF
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3 to 4 times the rich, red meat tissue as in some widely advertised brands. Ask your dealer or send \$1.00 for 8 cans postpaid. Battle Creek Dog Food Co., 1193 State St., Battle Creek, Mich.

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FREE SQUAB BOOK

PR White King Royal squabs are the cream of poultry, selling for double chicken prices. Start now. Grain cheap. Send four cents stamps for postage on latest free 68-p. book telling how, with prices. Our 33rd year. See our Racing Homer or winnings. Plymouth Rock Squab Co., 602 H St., Melrose, Mass.

Birds from
Coast to Coast
now feeding in THE BIRD CAFETERIA. Revolving. Wire glass. A garden ornament. Post paid: \$2.95

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Pay postman on delivery or send check with order.

Dog kennel with partition. Walls and roof of cedar. Hard pine floor. Price \$22.



Greenhouse, 8x16 ft. Price \$275. Glass, \$35 extra.



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E. F. HODGSON COMPANY
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Hope I meet that Bull-dog!



Give your dog Sergeant's Condition Pills. They keep him feeling fit. Sergeant's Dog Food builds health and strength. Write for free copy of Sergeant's Dog Book giving full information on care of dogs. Our veterinarian will answer questions about your dog's health.

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Sergeant's DOG MEDICINES & FOOD

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Takes only 15 minutes to erect. Special assortment No. 1-A makes yard 7' x 14' x 5' high—including gate. Shipped promptly F.O.B. Buffalo, N. Y., on receipt of check, money order or N. Y. draft.

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Add \$1.00 extra if you desire "Buffalo" Patented Fence Clips. Write for booklet 35-F.

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Guard your dogs against disease. Keep their systems toned up and blood pure with this Century-old English dog Tonic and Medicine. A mild vegetable compound safe at all seasons. Send for literature and prices.

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He, or you, can pluck, strip and trim the pup like an expert—have a barrel of fun—and save constant trimming costs with a

Duplex Dog Dresser
The New, Improved Plucking and Stripping Comb

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\$1.50 Different—New—Better

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1. Strips and trims any dog.
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Complete directions how to Trim, Groom, Pluck, Strip and condition all Terriers. Describes Terrier build and anatomy. Contains 21 pictures with full instructions.

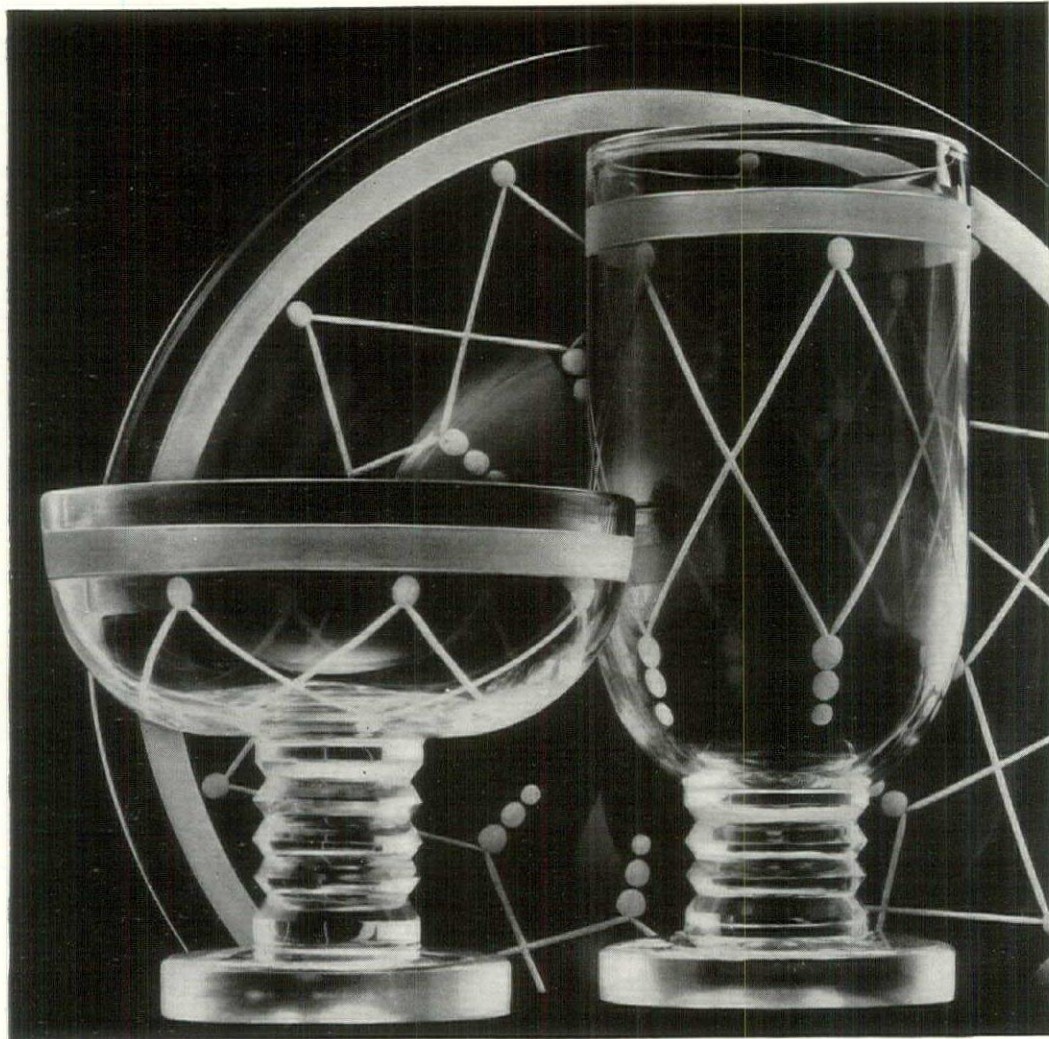
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Mounted \$1.50, Unmounted \$1

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Enclosed find \$... for Dog Dresser, \$1.50 each. For Terrier Trimming Chart, \$1.50 Mounted (\$1 unmounted).

NAME.....
ADDRESS.....
CITY..... STATE.....
YOUR MONEY BACK IF NOT SATISFIED

It's no longer a Luxury



● The new Saint Tropez design has all the verve of the gay continental watering place whose name it so appropriately bears. Its cool frosted decoration cannot be achieved in mere machine-made glass. The goblets are now only \$48 the dozen . . . the champagne glasses are \$48 . . . the plates are \$54.

use exquisite
hand-blown crystal
three times a day—
you can afford
Steuben at the
new low prices

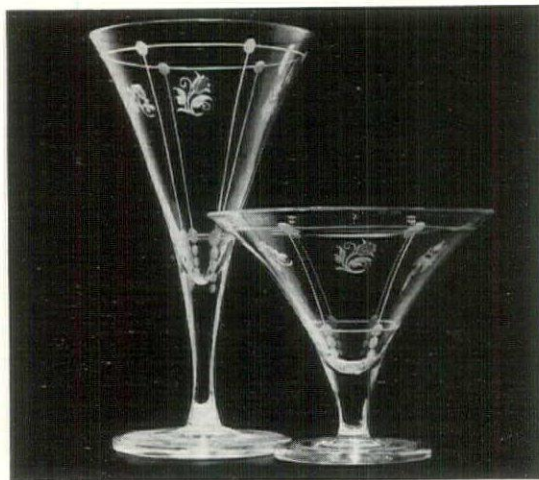
● There is a joy that only hand-wrought things can give.

Each piece of this hand-blown crystal has that beauty of an individual masterpiece—for in this new world it is made by a craftsman who learned his artistry in a far-off country where glass blowing is a tradition passed on from one generation to the next.

His art gives to Steuben that diamond-like clarity that no machine-made glass can imitate. Flick a lovely piece of Steuben with your finger and it gives that precious bell-like ring that tells you it was made by hand.

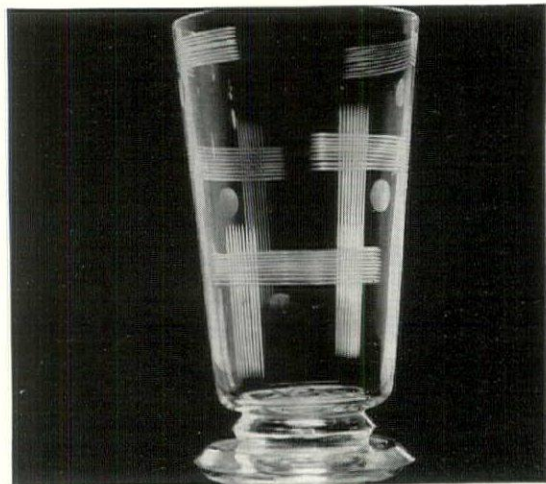
Now you can make your table lovely every day with Steuben at the new prices. Every Steuben design is an open pattern so that you can readily supplement the cherished pieces you already own.

And the new Steuben designs for fall are inspirations! Such style, such elegance and sophistication—you won't be able to resist them. Not at these new prices!



(Left) The new Riviera design's cool elegance is accented by the decoration that is engraved in the crystal as delicately as an intaglio is cut in a gem. This quality of decoration is impossible in ordinary machine-made glass. You'll find it only in hand-blown crystal. Goblets are \$43 the dozen, sherbet glasses \$42.

(Right) A new Steuben vase with its smart cut pattern of straight, interlacing lines and gay polka dots lends a modern note to your room. Its graceful, balanced shape and diamond-like clarity give the merest handful of flowers distinctive loveliness. Only \$17.



Steuben crystal

A product of the Corning Glass Works, Corning, New York

THE BULLETIN BOARD

TENDER SENTIMENT FOR NOVEMBER. There seems to be no open season for poets: any time of year the divine afflatus can spur them into action. Witness this sentiment (nor do we blush in acknowledging its beauty) contained in the lines of Alexander Smith:

All things have something more than barren use:
There is a scent upon the briar,
A tremulous splendor in the autumn dews,
Cold morns are fringed with fire.

WARNING TO LADIES. It may be of interest to learn that in the Year of Grace 1700 Parliament enacted the following tasty bit of legislation:

"That all women of whatever age, rank, profession or degree, whether virgin, maid or widow, that shall from and after such Act impose upon, seduce and betray into matrimony any of His Majesty's subjects by means of scent, paints, cosmetic washes, artificial teeth, false hair, Spanish wool, iron stays, hoops, high-heeled shoes or bolstered hips, shall incur the penalty of the law now in force against witchcraft and like misdemeanours, and that the marriage upon conviction shall stand null and void."

REPEAL MERCHANDISE. It was not to be expected that the domestic consumption of the cup that cheers and occasionally inebriates should escape the attention of the stylist and designer. Whereas sturdy men once drained rude mugs, our libations are now accompanied by all manner of especially designed contraptions. A survey of the gift ware and novelty houses reveals a great assortment of what is delightfully called "repeal merchandise." It runs from bars to bar towels. Its cocktail napkins outnumber an Old Testament tribe. Its glasses are as the sands of the sea and its shakers are more varied than the topless towers of Ilium. When we finally come into that new freedom we, doubtless, shall be well equipped for it.

SALAD ENCOMIUM. Another report brought in by our panting and vigilant scouts is to the effect that salad is about to be raised to a course of distinction. The bowls, the cruets, the forks, the spoons are all taking on an individuality. Would that we could say the same of the salad itself. Perhaps this wish will be met by rude rebukes. Do we not have a sufficient variety of salads? Ah, yes, do we not make indecent messes of fruit? Do we not mix ingredients that are as far apart as the poles? From all such salads, may the *Bon Dieu* spare us! What we ask is a greater variety in the lettuces and greens that go into the salad bowl. With these we need only good oil, good vinegar, pepper, salt and a touch of mustard to attain a gastronomic Nirvana. No amount of fancy accessories can save the salad that lacks the necessary and respectable ingredients in good proportion.

LEARNED FACT ABOUT POP CORN. Those who will be sitting around open fires this November popping corn may find their outlook on life entirely changed by discovering why Pop Corn pops. It explodes because the moisture held within the kernel, on being heated, breaks its shell. It blows up, like a bomb or a still. If your corn refuses to pop, soak it in water for a few minutes, and dry off the kernels in a towel. Enough moisture will have penetrated the shell to restore the kernel's explosive propensities.

TREES

I wonder which I'd choose to be
If God should change me to a tree!

A Sugar Maple—compact, tall
My branches reaching out to all,
The cattle seeking me for rest,
My leaves a screen for robin's nest;
No happier lot it seems to me
Than just a spreading Maple tree!

And yet—an Oak might be my choice
Whose beauty makes the woods rejoice—
A granary for the squirrel's food,
A shelter for the song-bird's brood,
Who would not be a stalwart Oak—
The haven of all wild-wood folk!

Or stately Elm mayhap I'd be
With graceful, drooping symmetry—
A Grecian vase of antique form,
I'd proudly stand in sun or storm;
The rarest thing in Earth's green realm
What joy to be a stately Elm!

Of all God's trees I've named but three;
How can I tell which one I'd be?

—Elizabeth Campbell

ROADSIDE TREES. It is said that roadsides were first planted by a Persian king, who wished travelers and pilgrims along his highways to be in comfortable shade on hot days and also because in winter, when the snows lay deep, the trees would mark the road and prevent travelers losing the way. Bunyan's Pilgrims had just such an encounter with roadside gardens: "As they came up to these places, behold the Gardener stood in the way; to whom the Pilgrims said, 'Whose lovely vineyards and gardens are these?' He answered, 'They are the King's and are planted here for his own delight and also for the solace of pilgrims.'"

We of today could well give more constructive thought to roadside tree planting. For many thousands of miles along our highways there is not so much as a leaf to cast a bit of summer shade or provide a color glint when autumn comes. Our gain in speed has been at the cost of beauty.

ON THE BUILD. Those who have been watching the building needs of the country report that the revival of this industry, which has lain supine and inert for so many months, will soon show signs of life and that the signs will take the form of remodeling. This will either consist in enlarging houses or giving houses with ugly architecture some semblance of exterior attractiveness. This will supply work to architects, for no one should undertake either restoration or remodeling without trained assistance, and at the same time make a market for building material.

We wonder, since architects are necessary on such jobs, why building material dealers don't arouse home owners to rebuilding and remodeling and offer, as a special inducement, the services of an architect? This would raise both the status and the usefulness of the dealer.

GARDENS SEEN. During the past summer there was a great expansion of garden visiting. Gardens by the hundreds were thrown open to public inspection in the name of charity and thousands of visitors saw the handling of plants and trees and shrubs and garden architecture in many and diverse ways. The purpose, we say, was usually to raise funds for some local charity, but charity is usually a two-way gift. The giver, in some manner, is usually enriched. Those who visited gardens were able to gather fresh and new ideas on garden designing and the growing of plants. Out of all these pilgrimages we may expect to arise not alone a deeper appreciation of garden beauty but a wider-spread application of it as well. For with the true gardener, to gain a new idea is the first step toward trying it himself.

YOUR RED CROSS. In November the American Red Cross will conduct its annual enrollment of citizens and we urge upon all our readers to do their share. The national relief work of the past year has seriously depleted the funds and heavy work lies ahead. Between Armistice Day and Thanksgiving you can demonstrate your good citizenship.

RUG QUALITY. The demand for quality merchandise which has been sweeping the country has touched many industries, not the least of which are the making of carpets and rugs. The Institute of Carpet Manufacturers is now going to attach to each rug and carpet woven by its members a label bearing the slogan "Weave Truth With Trust." When you find this label on a rug or carpet you can be assured that its maker has fulfilled the standards of quality demanded by the association.

THE SHADOW OF THE GROTTTO. Are we about to be threatened with grottoes? After all, we do have artificial rockeries, and it would seem only a logical step to go from a rock garden in the back yard to a grotto in the same.

However ludicrous this may sound, let us remind you that every so often in garden history, the grotto has broken out like a fever and run its course. The Greeks not only had a word for it but had it in quantity. The Romans went in heavily for garden caves. During the Renaissance the grotto received the attention of some of the finest workers in architecture and ceramics. Even as late as Alexander Pope the grotto was a favorite garden device and that strange little man took great pride in the grotto he made at Twickenham.

Since we are doubtless in for a recurrence of romanticism in garden design, we shall probably see the grotto advanced once more as the smart thing to have. And when it comes, don't say we haven't warned you!



CURTAINS for the WINDOWS

Presenting
QUAKER "COUNTRY HOUSE" CURTAINS
DESIGNED ESPECIALLY FOR
CASEMENT WINDOWS

NOW, for the first time, curtains and draperies styled and sized especially for casement windows.

Designed by leading stylists, their simple beauty emphasizes the inherent attractiveness of the casement window opening. From within the home "Country House" Curtains permit a new and better outlook on life, without sacrificing the comfortable feeling of absolute privacy and without obstructing the light.

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"Country House" Curtains and Shade-ment Cloth Draperies are made to fit casement windows without waste. Thus each dollar goes at least 25% farther by buying finer, usable material.

*A New and Simple Method
of Hanging*

These new curtains and draperies are French Headed, ready to hang. The length is adjusted at the bottom by turning up a wide or narrow hem, single or double, as desired. How much easier and more practical than the old-style method!

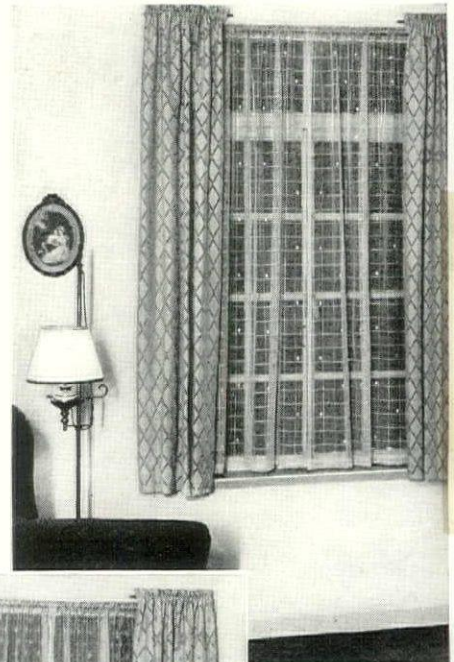
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*See "Country House"
Curtains and Shade-
ment Cloth Draperies
At Your Dealer's*

You will find curtain patterns to harmonize with every decorative period and Shade-ment Cloth Draperies in a variety of color-fast tones to blend with the dominant colors of walls and furnishings. Their ability to enrich an already lovely home is out of all proportion to their modest price. Should you have any difficulty in obtaining them write the Quaker Lace Co., 330 Fifth Ave., New York.



*Designed, styled,
and constructed
to beautify those
charming case-
ment windows.*



QUAKER REAL NET CURTAINS

Contents for November, 1932

HOUSE & GARDEN

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Mrs. Wallace Payne Moats, whose flare for entertaining has made her famous as a hostess in New York and Mexico City, is now writing hostess articles for House & Garden. Her most recent work, a book of Mexican memoirs, has just been published by The Century Co.



Frances T. Miller, of Frances T. Miller, Inc., a shop which features imported wall papers, American-made textiles and handwoven rugs, is an outstanding designer in the modern manner. She is particularly interested in rug and fabric designs, as well as in interior architecture

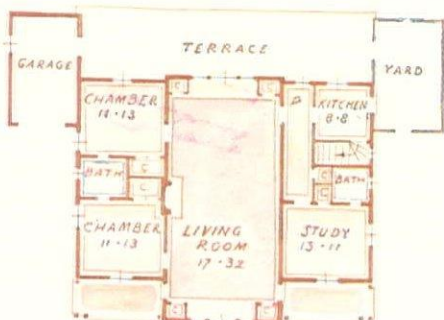


Ysel, Inc., has as its director a distinguished decorator, Mrs. Thomas B. Robinson, whose career began as an artist. She now holds a prominent position in decoration and we are proud to show on pages 40 and 41 three original curtain ideas she has done for House & Garden

**WHO IS WHO IN
 HOUSE & GARDEN**



House & Garden's little house for beginners



THE FRONT façade is composed of a Palladian window flanked by porches giving entrance to the living-dining room. Bedrooms and bath are on one side; kitchen and study or maid's room on the other. A terrace leads to the garden. Howard & Frenaye were the architects. Mary Rutherford Jay designed the garden. Furnishings are by W. & J. Sloane. The complete house is on view at W. & J. Sloane, 5th Ave. at 47th Street, New York



WE COMPLETE A LITTLE HOUSE

A COMPLETE house. Complete in its building, its furnishings, its garden. A house, American in architecture. A house for the new times that are coming. A house in which a young couple can start life together or a small family enjoy simplified living. A house worthy of any well-maintained American community. A house easy to live in and comfortable to manage. A house offering its owners sufficient advantages for taking a part in the community's social and civil life. A house that would set well upon a 75 by 150 foot plot. The cost of building the house to be in the neighborhood of \$5,000, the furnishings \$2,000, the garden \$750.

These were the specifications House & Garden required when it asked the architects, Howard & Frenaye, to design a house for its readers—a house to serve as the first of a series of complete small houses.

It had to be completely visualized in plan and detail because no home is adequate without architectural merit, honest building, furnishings in taste, proper landscaping and a garden in which to live and work. The ideal home is the sum of these parts.

Its architecture had to be American since it was designed to fit into the American suburb or countryside. Indigenous architecture is usually comfortable to live in because it has been evolved by the experience of previous generations fitting themselves to their environment. Moreover indigenous architecture displays the tradition of its past.

It had to meet the requirements of the new times that are coming. What are some of these requirements? Simplified living is one. The small house equipped

with modern household machinery reduces the need for servants to a necessary minimum, thereby simplifying domestic management. A small house can be run on a small budget. The manner of living need not be lowered because the house is small in proportions. The richness of its owners' lives depends on the completeness of the house plus the quality of their tastes and the diversity of their interests. It should afford chance for simple entertaining. It should have a garden so that the owners can take a part in community garden activities and enjoy the sport of gardening. It should provide room for children. Such a house would serve the purpose of a beginning family.

THE ARCHITECTURE. Living on one floor has become the habit of many people accustomed to apartments. Consequently, the one-floor house was chosen. In both front and rear the main architectural feature is a large Palladian window set in an advanced bay. In front this is flanked by brick paved porches. In the rear the middle member of the window is a French door leading to the terrace. On this rear façade the terrace is enclosed at one side by the wall of the garage and on the other by the lattice of the laundry yard.

THE BUILDING MATERIALS. The house is designed to be built of wood, using treated wood shingles for the walls or clapboards or shiplap. The roof would be shingled. Except the Palladian windows, all windows and doors are of stock pattern and require no special mill work. Expanded metal with plaster or wall board would make the partitions. Wall and roof insulation would be according to one's purse or local climatic conditions.

Only a portion of the area under the

living room need be excavated. This will contain the heating plant and storage space. A larger excavation would provide a laundry and play room.

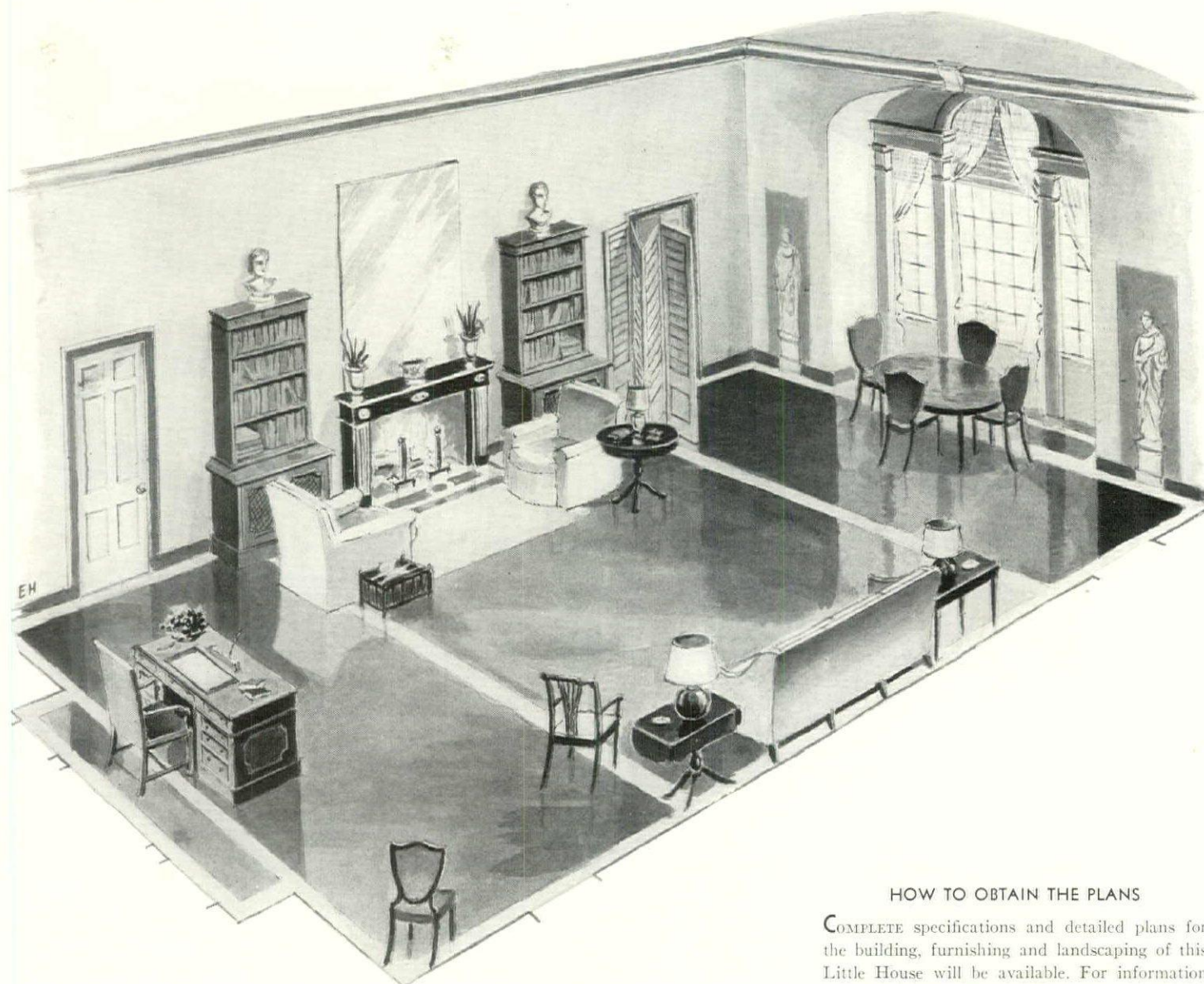
A large attic is over the entire house and can be used for storage.

Readers interested in erecting this house will receive information on how to obtain complete details by writing House & Garden's Reader Service.

THE PLAN. A large part of the floor area has been given to a combined living and dining room 17' by 31'. For the small family a separate dining room is actually a waste room since it is used for so few hours of the day. In this long room the two Palladian windows give abundant light. Flanking the windows at the living room end are clothes closets; at the dining end are closets for china and linen. These are made with doors flat against the wall. The ceiling is rounded. At one side is a fireplace. Since the kitchen equipment is designed to be electric there is no need for another chimney. This one chimney will serve both the heating plant and the fireplace.

To one side of the living room are two bedrooms with a connecting bath. Each room has a large closet. The master's room is in the rear, with a window overlooking the garden and one on the side. The spare room—which also could be used for a child—has windows on the side and front, affording sufficient light and air.





LIVING-DINING ROOM IN WHITE, BLACK AND GREEN

On the other side of the living room is first a study equipped with a bath that can be used for a servant's room. A broom closet is in the passage behind it and the kitchen occupies the remainder of the rear corner. A service door leads from the kitchen to the laundry yard.

FURNISHING

In selecting color schemes and furnishings for this Little House certain points were kept in mind as ideals. The house being of American and classical heritage, it was desirable to make the furnishings reminiscent of a heritage. A frankly modern living room, for example, would be out of place, whereas a room with Georgian furniture and a modern treatment of walls and floor was suitable. The Book Club in London furnished inspiration for this room. The study is rural and masculine, with its pine-papered walls and rope moldings.

Again, a high standard of taste must

be maintained in the design and the making of the furniture. In many instances the pieces are copies or slight adaptations of familiar documents. They are available at prices to meet the present day purse.

In the illustrations we suggest desirable furnishings; they can be approximated at any good furniture store or furniture section of a well-equipped department store.

LIVING ROOM

WALLS: Dead white.

FLOOR: Black linoleum divided into sections by a 12" border of white—in the corner of each section a green star. A white Empire decoration—probably a lyre—in a circle of laurel leaves in the center of the middle or largest section. White hand-tufted rug in front of mantel.

CEILING: Emerald green.

BASEBOARD AND DOOR TRIM: Black.

MANTEL: Black and white marble, which could be reproduced in wood to the same advantage.

OVERMANTEL: Plain mirror screwed to the wall.

VENETIAN BLINDS: Cherry red with white tapes.

CURTAINS: White sudanette, faced with emerald green, white glass bell fringe.

SOFA: Red and white stripe.

DINING CHAIRS: Emerald green leather fabric.

DESK CHAIR: Emerald green leather fabric.

WING CHAIR: In white corduroy with red buttons and fringe.

EASY CHAIRS: By fireplace, covered in chintz in an emerald green ground with white swags and red ropes and tassels.

TWO SMALL ARMCHAIRS: In green.

ARMCHAIR: In fireplace grouping—in white.

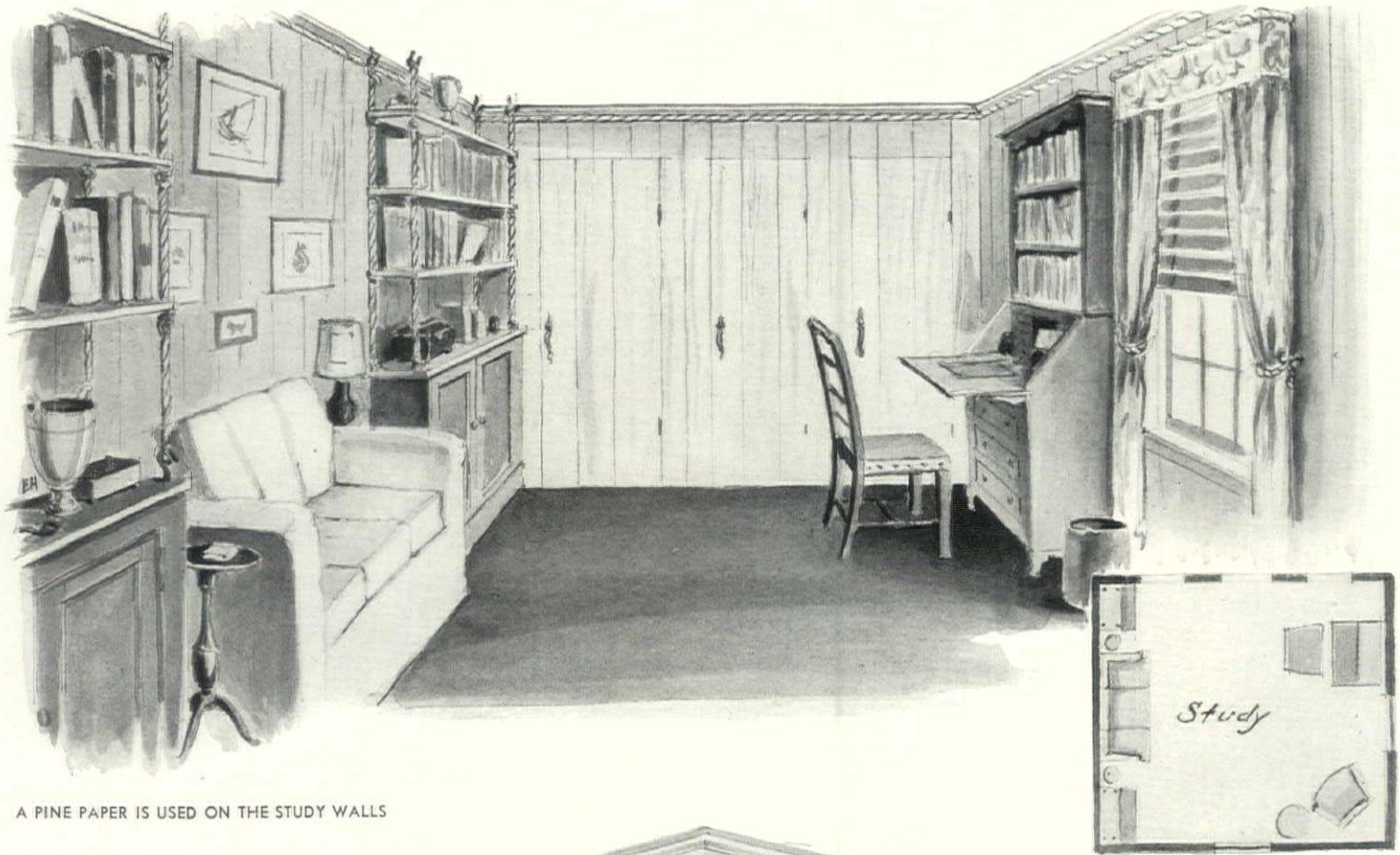
SCREENS: Two white shutter screens.

ACCESSORIES: White.

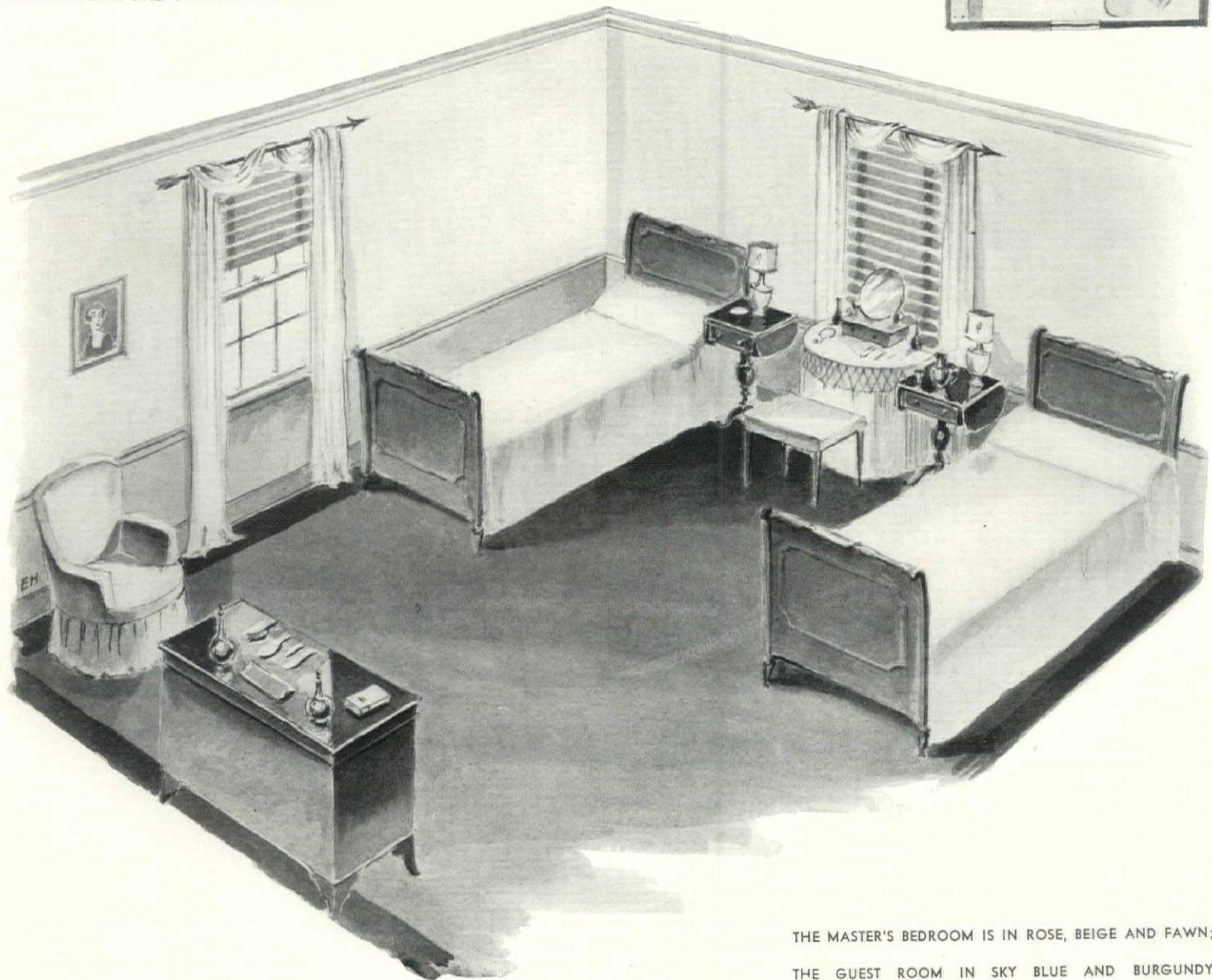
LAMPS: At each end of sofa is a black and gold lamp; the other lamps in the room are white. (Continued on page 65)

HOW TO OBTAIN THE PLANS

COMPLETE specifications and detailed plans for the building, furnishing and landscaping of this Little House will be available. For information on them write direct to House & Garden's Reader Service, Graybar Building, New York



A PINE PAPER IS USED ON THE STUDY WALLS



THE MASTER'S BEDROOM IS IN ROSE, BEIGE AND FAWN;
THE GUEST ROOM IN SKY BLUE AND BURGUNDY

Slums and waste



LAST YEAR, when House & Garden launched its crusade against slums and various types of obsolete buildings, the slum was not being seriously considered as one of the opportunities for the improvement of our pressing economic situation. Since then both federal and city governments and many organizations devoted to the general betterment of citizens and cities have turned their attention to these obsolescent parts of our communities. The eradication of the slum, they began to realize, is one of the public works that might well provide not alone employment for many trades and hands but would also appreciably increase real estate values and taxable districts.

This realization followed as a natural consequence on an investigation of wastefulness. Those years of booming prosperity were also years of gross excess in expenditures. What we like to think as the prosperous years were also the wasteful years. So far this campaign against wastefulness has been directed mainly at city and federal budgets. Taxpayers demand and will see that the splurge of public moneys on running government is halted and more of the funds be spent where all can derive some real benefit. Once this program is well under way, they can begin working on those areas that are exceedingly wasteful of both human life and property values—the slums.

THERE ARE TWO major solutions for slum districts: either you tear down the rookeries and build new, clean and modern housing units, or else you open up areas in other parts of town where low renting housing units can be erected to accommodate those who hitherto dwelt in slums, and then turn the old slum districts into parks and boulevards. Mere surface improvements will never eradicate slums. Almost invariably the tenements and houses are past reconstruction and improvement. You can only obliterate them and build afresh.

These are no mere idealistic dreams; they are stern facts. In many a city abroad can be found just such radical handlings of obsolescent areas. Indeed, some of the cities are so far in advance of many American towns of equal size that they should cause us to blush. These foreign communities have long since learned that slums are wasteful, and in pursuing a campaign for civic economy, slums are among the first of the wastrels to go. This conclusion is in line with all advanced social thinking to which none of us can be blind.

Unless some new thinking and social alignment comes from this travail of depression we might as well not have suffered it. It, too, will have been wasted. What the particular details of that new order will be none of us can say, nor do we dare to prophesy in what manner it will come about. Please God, it will come by gradual and persistent evolution—rather than by radical uprooting of our social system.

But in whatever way it does come, we shall have to chart the course of our civic activities by returning to simple and decent principles. We have got to learn that henceforth we no longer can live *on* the people, that from this time forward we must live *with* them.

The slum is the most conspicuous example of the result of living *on* the people.

AN ALMOST equally serious problem that we are facing is the potential slums. Here the problem is not one of the crowd so much as it is a challenge to the individual. In the course of the last few years, when to many families the necessity for maintaining life at a fairly normal level caused all other matters to be shelved, the home was neglected. Ride through middle class suburban districts—and there are hundreds of them in this country—districts where the maintenance of homes has been neglected, and you feel the overshadowing menace of an approaching slum. A few more years of neglecting to paint those houses, a few more years of those cracked front stoops and walks, a few more years of those sleazy curtains, and those who can afford it will move out of the district and it will begin to slide downhill. Once it has begun to slide, property values will take a tail spin.

What we desperately need today is one man on every such suburban street who is willing to maintain the appearance of his home at all costs. Given that bell-wether, the street will follow him. One man to whom a coat of paint is of prime importance. One woman to whom new curtains are necessary to self-respect. One family to whom the well-kept garden is an essential that cannot be neglected. Give us these leaders, and the menace of the slum will surely be removed.

THERE IS every indication that when home building returns in this country, it will start with the small and medium sized house. Even the most affluent of us has tired of big houses that are wasteful of money and energy to maintain. During the past few years a whole new race of people has arisen who are realizing that the size of one's house is no indication of its taste nor the standard of living pursued within its walls. Indeed, it is easier to maintain high standards within a small compass than within one so large that it enslaves the owner. Whether they be the new rich or the new poor, the people of real taste in the next few years will be the people who are capable of differentiating between wastefulness and wise expenditure in all matters.

The prosperity of a community is measured not by the grandeur of a few large houses but by the general average of taste shown in architecture, furnishing, gardens and maintenance of small or medium-sized homes. These are our bulwarks against the encroachment of slums.

—RICHARDSON WRIGHT

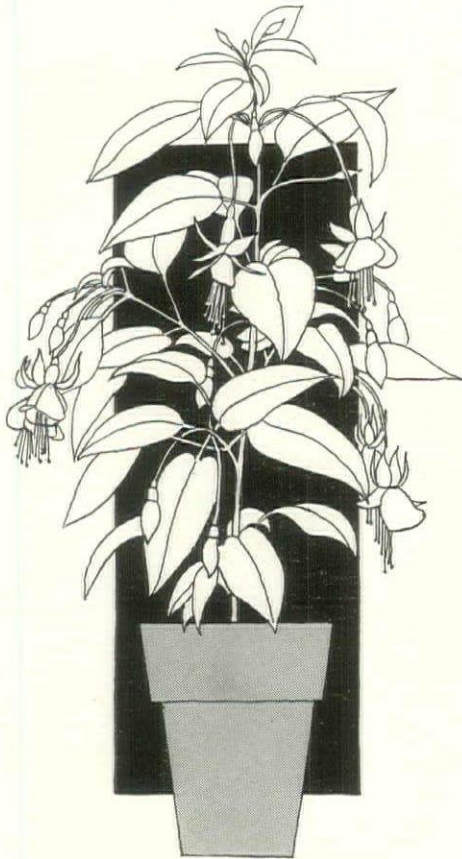


ROBERT MACLEAN GLASGOW

Craftsmanship and texture

THE naïve irregularity of ancient houses was due to the use of local materials and weathering. To reproduce these effects requires the highest order of craftsmanship and a sincere appreciation of the beauty of textures. Both are apparent in the home of Franklin Edgerton at New Haven, Conn. Frank J. Forster and R. A. Gallimore, architects

The care that good house plants need



FUCHSIAS—ALL-YEAR FAVORITES

IN EVERY family there stands out one legendary grandmother who was famous for her luck with growing things. People came for miles around to see her luxuriantly blooming Begonias, Geraniums, and Fuchsias that touched with beauty the rude interiors of pioneer days. She could plant a stick in a pot and make it live; she "had a way"; she was "lucky" with house plants—such were their repeated comments.

Yet had these unobservant visitors trailed grandmother through her busy weeks, following her tirelessly from an oven filled with fragrant loaves to a mending basket heaped high with homespun clothing, they would have discovered her secrets. Every day at the same time grandmother spent a few brief minutes on her house plants. Every day, with a quizzical glance, she determined their individual needs. And when she did break off a piece for a new plant, she did it wisely!

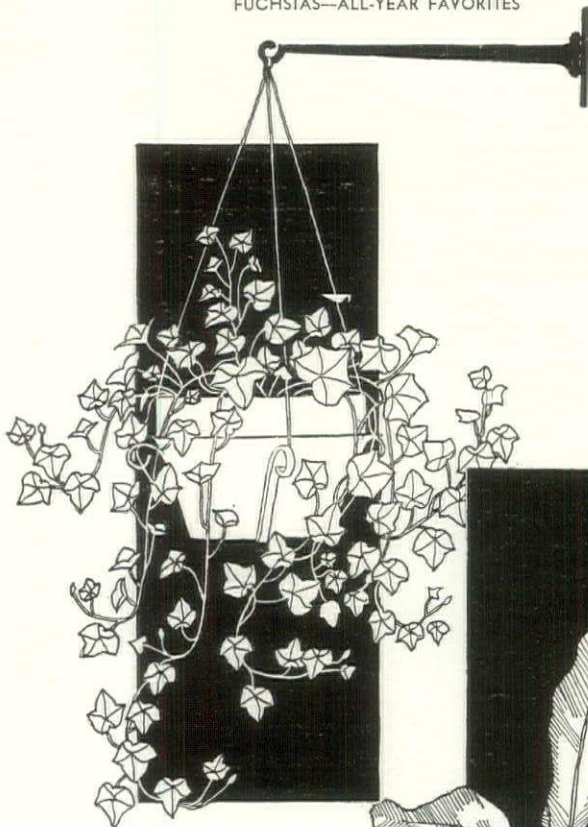
Consistent attention and an understanding of the needs of house plants—these,

and not "luck", were the basis of grandmother's success. And these same factors, if supplied today, will inevitably bring your house plants also to the same attractive peaks of perfection.

The beginner who wants to be sure, first of all, of giving this faithful attention should start with only as many plants as she can adequately attend. A dozen will scarcely require ten minutes a morning, but this care must be persistent. What is the use of hovering over house plants with a sentimental affection during the late fall days when, to the enthusiastic gardener, they are a substitute for the sunny stretches of blazing color just blackened by the frost, or of petting and pampering them through an unpropitious January, if they are forgotten during a flying trip to Bermuda at Easter time? Caring for house plants must be associated with those other regular duties of the home, such as checking over menus, winding clocks, and getting the children off promptly to school.

Through this regular attention, then, knowledge will soon develop. Gradually each plant's needs, state of health, and individual habits will be understood.

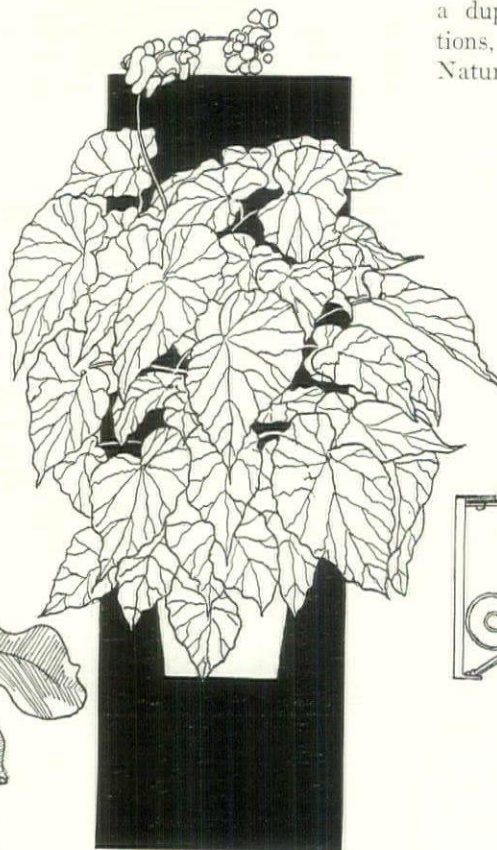
In a general way this wisdom is only a duplication of natural outdoor conditions, applied to indoor growing. What is Nature's way? How can it be attained



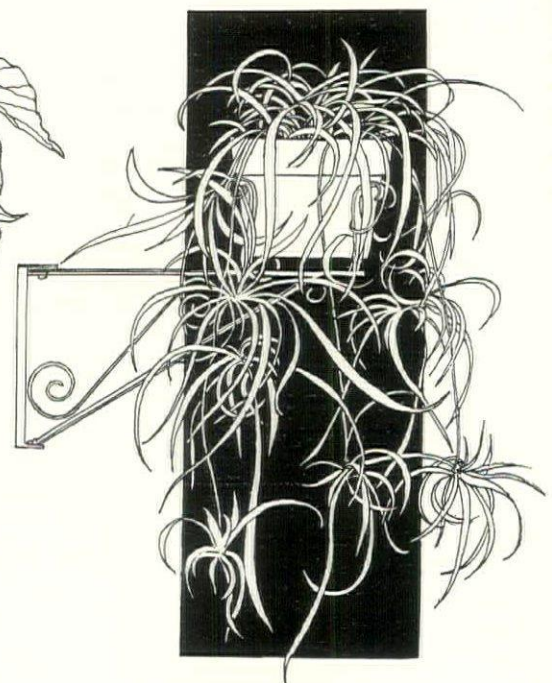
ENGLISH IVY TO TRAIL



BIRD'S NEST FERN FOR SHADE



BEGONIAS FOR FOLIAGE AND FLOWER



ANTHURIUM TO SWAY AND

By Helen Van Pelt Wilson

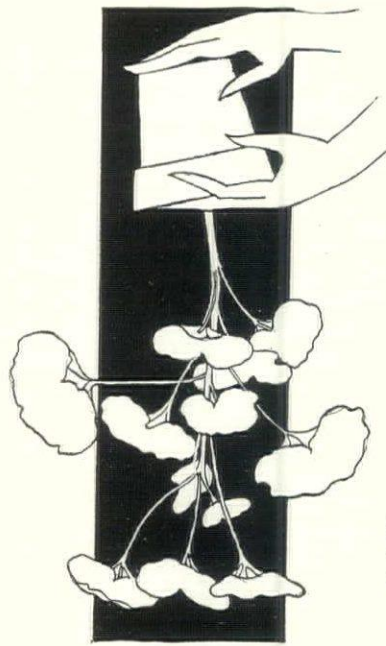
indoors? "Luck", so called, will come when the answers to these questions are found and put in practice.

Light, first of all, is necessary. Foliage plants such as the Sansevieria, English Ivy, and Ferns will often thrive at northern windows, but the flowering plants, such as the Begonias, Geraniums, and Primroses, require all the winter sunlight that eastern and southern exposures can supply.

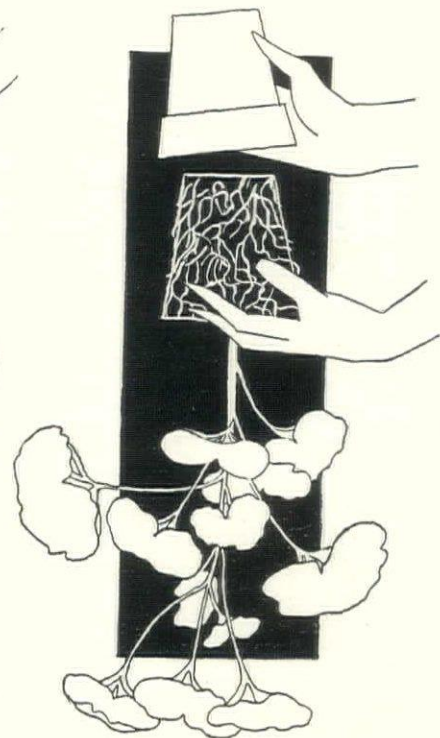
To them an even temperature is also important if they are to be in proper condition to produce blooms. For all house plants a daytime heat of sixty-five to seventy degrees is ideal, and at night the drop should not be below fifty-five degrees. Some plants—the Cyclamen for example—prefer cooler days; few will endure it warmer.

Fresh air is just as essential to house plants as it is to humans. And no matter how the snow drifts without, there must be two ten minute periods of ventilation each day, morning and afternoon. Sudden chilling of warm rooms, and especially direct draughts, can be avoided by using a canvas window screen or by ventilating indirectly through the open windows and doors of an adjoining room, and during periods of ventilation even fifty degrees will not prove harmful with such precautions.

When flower buds fail to open, or when



HOW TO DE-POT A HOUSE PLANT



CROWDED ROOTS CALL FOR LARGER POT

leaves, for no apparent reason, dry or blacken or curl, it is a fairly sure sign that there is gas in the atmosphere. When leaf tips brown it is frequently because the plant has "caught cold" in a draught. Both of these conditions can usually be avoided through regular and proper daily ventilation.

Another one of Nature's conditions that is most difficult to duplicate is a moist atmosphere. Fortunately, plants are benefited by the discovery that moisture in the air is good for people too. Such devices as humidifiers on radiators react to their benefit. As a further means of conserving moisture florists recommend placing the plants on pebble-filled galvanized iron trays built to fit window sills. These trays should be two inches deep. If they are kept filled with water, constant evaporation will take place. The plant itself, however, in order to avoid the unhealthy condition of constantly dampened roots, must always sit on the pebbles above the water level in the tray. A strip of painted molding tacked on the window sills conceals the tray and makes the arrangement decorative as well as practical.

Frequent spraying of plant foliage (except for the hairy leaves of African violets, Gloxinias, and some Begonias) heightens humidity. Fine mist sprayers can be used in any room without moving the plants, as the spray is so delicate and so easily directed that adjacent curtains and upholstery are not injured.

Spraying also keeps a plant free from dust and soot, and, since plants breathe through their leaves, this cleanliness is important. For Ferns, Rubber Plants, and Palms, soap suds should be used in the spray every ten days. The underside of the leaves must then be as carefully reached as the upper, for here it is that

plant pests lurk. Wiping the leaves of the broad-leaved plants with a damp cloth is an adequate substitute for spraying.

To duplicate Nature's supply of water requires judgment and no set rules can be given. The dormant plant requires less watering than the flowering one; the small pot more than the large. In sunny weather plants dry out more rapidly than when it is cloudy. Daily watering is not essential, but daily examination is. The reward for that faithful examination will be a growth in judgment. You will learn that *when the top soil feels dry to the touch, and when the appearance of pot and earth is light then is the time to water, and to water freely.* The whole root system should be so saturated that excess moisture will run out the drainage hole in the pot. Unless a pebbled tray is in use, this excess should then be removed.

Dampening the top half of the earth ball doesn't constitute watering and is nearly as harmful as prolonged drought.

When Nature's soil conditions are to be reproduced for indoor plants, there are many things to consider. A different soil mixture, however, is not essential for each variety. In general, a formula consisting of one-quarter loam, one-quarter sand, and one-quarter well-rotted barnyard manure or leafmold can be used. Begonias, Ferns, and Fuchsias prefer the leafmold. Plants with heavy roots require a more loamy soil; plants with fine, thread-like roots thrive best with a larger proportion of sand incorporated in the mixture.

For quick- (Continued on page 78)

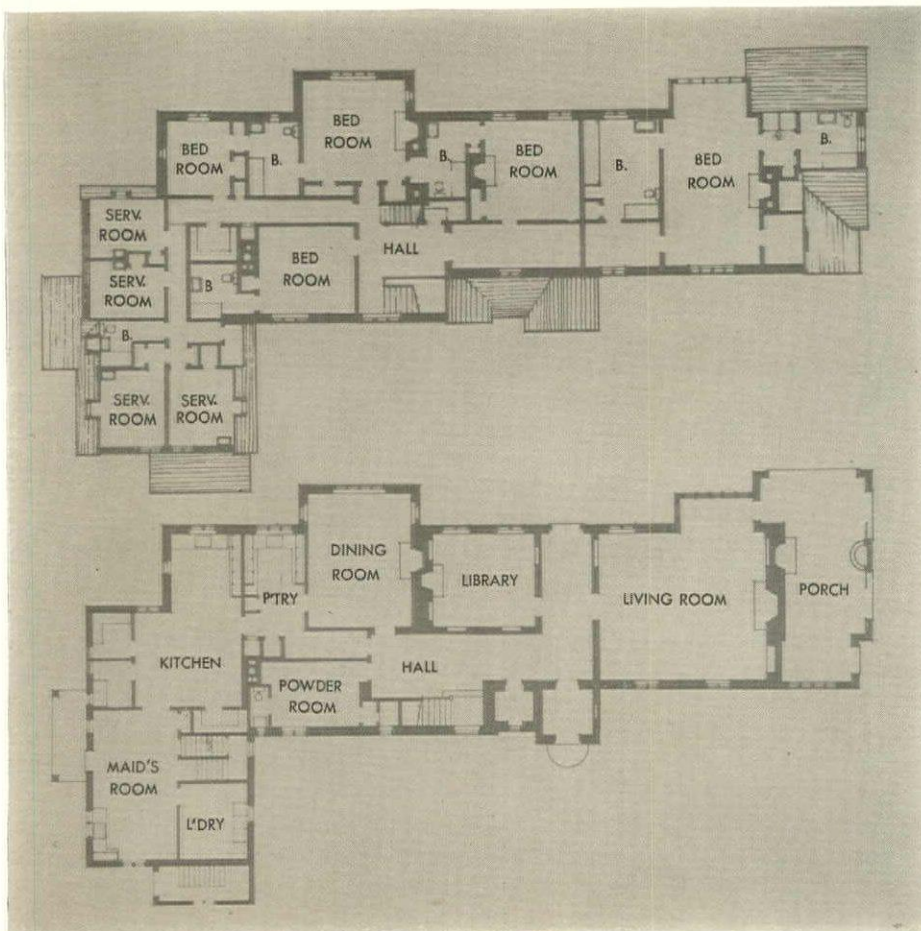


A PANDANUS WITH PROPER DRAINAGE



THE NORTH GABLE AND GARDEN SIDE

GEORGE H. VAN ANDA



LONG PLAN AND SERVICE WING

Chimney pots and brick whitewashed on a manor

THE RESIDENCE of Henry E. Coe, Jr., at Syosset, L. I., is a frank transplantation of the English manor house type—chimney pots, whitewashed brick walls, roof slates and all—to the American scene. And since that style is livable and sufficiently picturesque, the house both suits the low hilltop site and meets the family requirements. The long narrow plan guarantees ample sunlight and air. Roger H. Bullard, architect

MUCH of the success of this type of architecture depends on the roof lines and the handling of the eaves and the massing of the chimneys. Here and there the roof softens to a curve over the window tops. Gables are featured. The enclosed porch is a concession to the American custom of semi-outdoor living. This English country architecture has made itself felt in the interiors, as in the Chippendale dining room



ENTRANCE APPROACH AND NORTH FAÇADE



CHIPPENDALE DINING ROOM



THE FRONT ENTRANCE

Supper after the theatre

By Leone B. Moats

SINCE it has gone out of fashion to be blasé, we all confess to a childish desire to get to the theatre in time to see the curtain go up, an increasingly difficult feat now that people remain in the country so far into the winter or live on the East River or in the 'nineties. It is out of the question to have dinner beforehand, for that only means gulping down the food, a mad race against traffic lights and arriving at the beginning of the second act. Hence we see the return of the late supper into general favor.

In New York, there is a hostess who cannot bear to miss a single play during the season and therefore usually takes her guests to the theatre. She has become such an expert at this form of entertaining that we asked her to give us a few details of how she does it.

"I always ask the guests in for a bite at seven-thirty," she said, "which means that we can get away by a quarter past eight. The arrangements never differ; a small table covered with a lace cloth and a silver tray is set up in the drawing room and on it the butler places a huge square of ice hollowed out to contain a bowl of fresh caviar. A silver covered dish on the same table keeps the thin slices of buttered toast warm and the crystal hors d'oeuvres dishes with quartered lemons



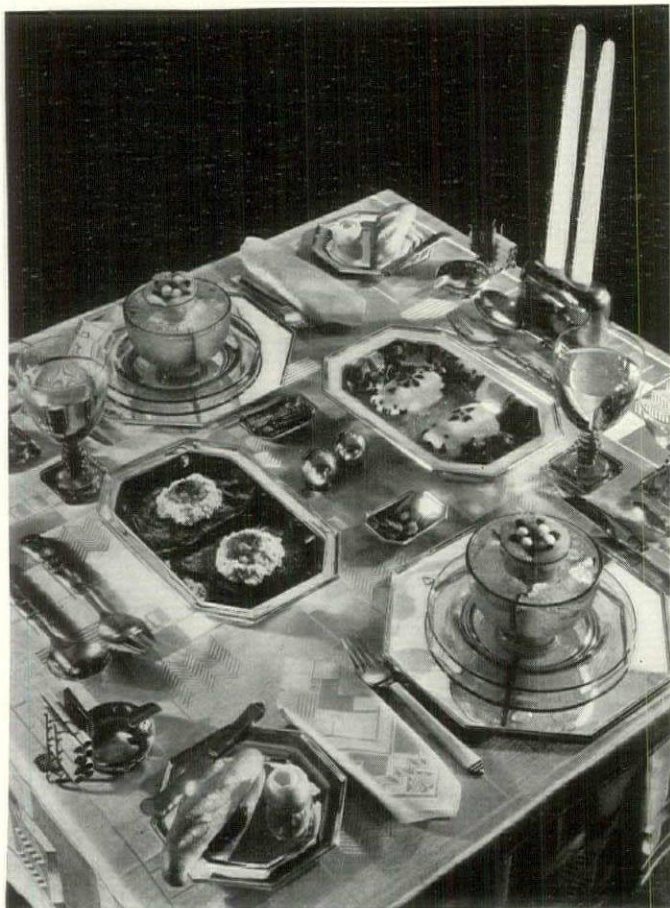
THE 3

and chopped yolks and whites of hardboiled eggs provide a quiet note of color. A champagne cooler occupies the center of another lace covered table and is surrounded with those very long-stemmed glasses they use in French night clubs, that have such a festive look. I don't know of any two things that promote the party spirit like caviar and champagne and, really, they cost very little more than several kinds of sandwiches and five rounds of cocktails.

"The actual meal is put off until our return from the theatre. During the winter season when nobody wants to go to bed at an early hour you have to do something with your guests after the performance in any event. You simply can't deposit them on their doorsteps at eleven o'clock after they have taken the trouble to get dressed up and have been stimulated for a big evening by an amusing play; that is, if you wish any kind of reputation as a successful hostess. If I invite the type of person who must be *en vue* every minute, I take them to a musical comedy and then to the night club most in vogue for supper. On such as these the charms of intimacy, good conversation and subtleties of perfect arrangements are lost. On the other hand, if I have a group of good conversationalists culled from the social, theatrical, musical and literary worlds, I have the supper at home. The only dull friends I invite are women so beautiful that they are a decoration in themselves.

"The supper is served in the dining room and, although I often invite a few extra guests who have not been to the play with us, I never have more than twenty people, the maximum number my table will seat comfortably. Each person is assigned a place, just as at a formal dinner, except that in this case it is congeniality, not precedence that determines the seating. The room is lighted only with candles which cast a discreet gleam on the silver and glass and promote the essential atmosphere of intimacy.

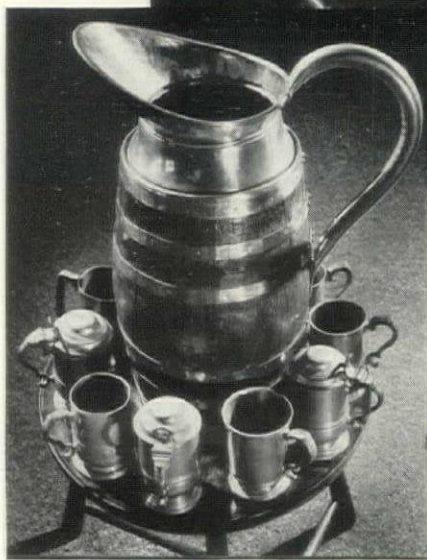
"Lightness in the food is as necessary as it is in the conversation and decorations. The lateness of the hour must be kept in mind when making out the (Continued on page 62)



THE 3

LEFT. Supper for two in modern setting. Food from Central Park Casino. Green cloth and napkins. Mosse. Silver service plates, butter plates, dishes. Black, Starr & Frost-Gorham. Flat silver, salts and peppers. Jensen. Candleholder, candles. Rena Rosenthal. Green glassware. Fostoria. Cigarette holders and ash trays. Cartier

ABOVE. Also for two. Modern silver coffee pot, cream pitcher, sugar bowl and tray with green jade handles, silver compote and bonbon dish. Black, Starr & Frost-Gorham. Dessert spoons and forks, serving set and coffee spoons. Jensen. After dinner coffee cups, saucers and dessert plates of green glass. Fostoria



THE 3

AN ANTIQUE oak table laid with old pewter makes a perfect setting for an after-theatre supper planned and prepared by the Waldorf-Astoria. Table. Basil Dighton. Pewter flatware, serving spoons, oval platter, matching plates with scalloped edges. Wanamaker. (Left) Oak beer pitcher, pewter top and bands. Westport Antique Shop. Tankards from Wanamaker and Westport Antique Shop. Cricket table. W. F. Cooper

ROUND pewter platter and plates. Vernay. Pewter centerpiece, peppers and salts, olive and pickle bowls and spoons. Cooper. Carving set, fruit, cheese and fish knives with horn handles. Henckels. Silver oyster forks. Macy's. Cheese boards, wooden fork and spoon. Lewis & Conger. Bread tray, tea caddies for cigarettes, potato chip bowl, bean pot ladle. Westport Antique Shop. Red and white checked napkins. Mosse



DR. PAUL WOLFF

Threshold of the winter

GRAY mist along the wooded slopes, dripping from the twigs, softening the sere leaves underfoot. Gaunt trunk and branch and brushwood, austere for the bitter coldness soon to come. Far off the tonguing of a hound on some mysterious, unguessed trail. And always, on every hand and in each scent of air, the certainty that autumn wanes and winter is drawing close

What size rooms for my house?

How often the home-building venture is begun without the slightest idea as to what should be the size of the various rooms! Naturally, there can be no hard and fast rule governing room sizes, but a good general idea of the customary dimensions will serve as a basis for working out what is best in a particular case.

It is obvious, of course, that a large family will need larger living and dining rooms than would a family of two or three. And a family that entertains a great deal requires a generous living room. One that delights in dinner parties is compelled to have a proportionately bigger dining room than is necessary for family use. The master's bedroom which serves also as boudoir or private living room must be larger than if merely a sleeping room. The kitchen will naturally be measured to the strain that is going to be put upon it.

Perhaps no better method of determining what size rooms will be suitable has ever been devised than that of the prospective owner actually measuring the size of rooms he likes—that come closest to meeting his requirements. It may be that one such room is a little small, or a trifle too large. Measurements may be taken and then proper increase or decrease in size made to conform to his particular wishes.

In order to arrive at some sort of basis on which to establish average room sizes, I have taken over one hundred houses, already built, of eight rooms each, and noted the sizes of the rooms in each. All these houses were designed by reputable architects, most of them having a national reputation. About an equal number of the most prevalent types and styles of houses was selected, with approximately the same number from each section of the country. An average was then established of the width, length and area of each room. Following is a table of these averages.

	WIDTH	LENGTH	AREA
Living Room	15'-1½"	x 23'-11½"	=362.66'
Dining Room	13'-9"	x 15'-11½"	=219.44'
Kitchen	10'-4"	x 13'-2¾"	=136.38'
Pantry	6'-9"	x 9'-7½"	= 65.03'
Large Bedroom	13'-9"	x 17'-0¾"	=235.08'
Middle Bedroom	12'-6"	x 14'-7"	=182.10'
Small Bedroom	10'-9"	x 13'-3"	=142.70'
Bath	6'-6½"	x 8'-5¼"	= 55.24'

In planning the size of a room, neither the architect nor the owner would deliberately choose dimensions which included fractions of an inch. Therefore it would be proper to say that the average size liv-

A practical guide to choice of appropriate

room dimensions · By Phil Pearsall Scroggs

ing room is 15'-0" x 24'-0"; an average kitchen, 10'-6" x 13'-0"; etc. It may be truthfully said that any room, of the same type, that is materially smaller than that shown in the preceding schedule is a small room, and, conversely, a room that is materially larger is a large room.

Having found the average area of each of the principal rooms in an eight-room house, it is now possible to say definitely what ratio each room bears to the other. Of the eight rooms listed in the schedule the ratio is as follows.

LIVING ROOM	25.9%
DINING ROOM	15.7%
KITCHEN	9.8%
PANTRY	4.7%
LARGE BEDROOM	16.8%
MIDDLE BEDROOM	13.1%
SMALL BEDROOM	10.2%
BATH	3.8%
TOTAL	100.0%

With a known or pre-determined size, then, for any room in the house, the balance of the house may be planned so as to be in proportion to the average. If, for example, it was arbitrarily decided to make a dining room 18'-0" x 20'-0", the living room, from the preceding ratio table, would have to be approximately 22'-0" x 30'-0" to be in proportion.

The fact that the area of a room is correct in proportion to the other rooms, however, is not all that is necessary. Obviously, a room might be of average area, yet have entirely different proportions from the average. For instance, a room 17'-0" x 21'-0" or one 19'-0" square contains the average area yet the proportions are entirely different. A room in the average proportion as to area should also have length and width in proportion to the average also.

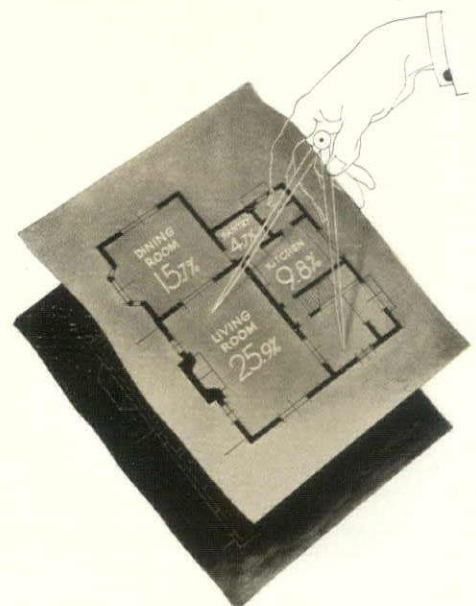
Just a word about ceiling heights. Again, there is no more satisfactory way for the owner to be satisfied on this point than by measuring a room which has suitable dimensions and a ceiling of pleasing height. The larger the rooms, the higher the ceilings may be. But ceilings should not be too high in any house. Winter houses or houses in cold climates may find ceil-

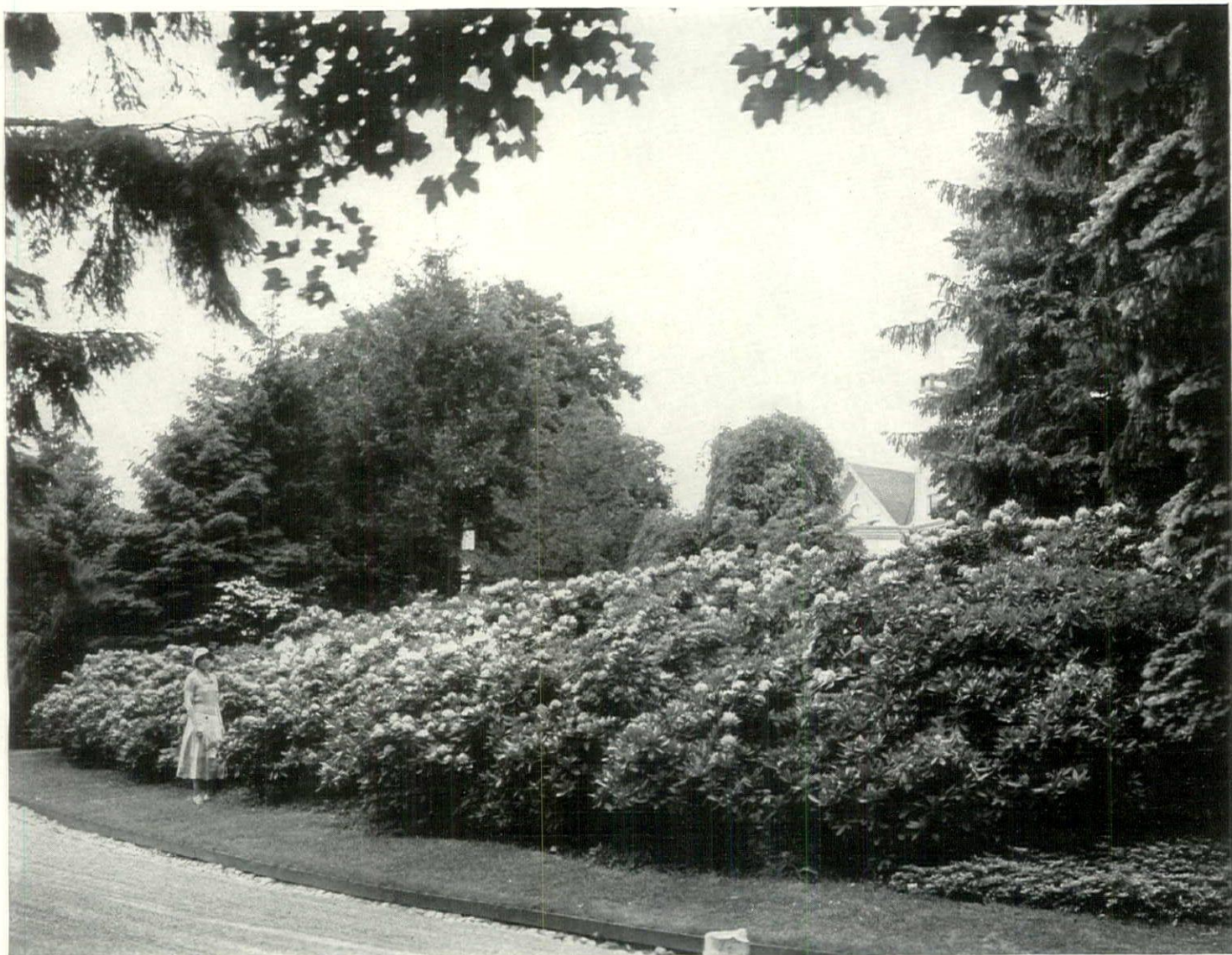
ings of 8'-6" and 8'-0" entirely satisfactory, but this is entirely too low for houses situated in warm climates. In such climates 10'-0" and 9'-6" are much more desirable ceiling heights. Average heights are 9'-6" and 9'-0".

Sometimes the prospective owner has not had an opportunity to learn, by experience, just what sort of rooms are most suitable for him. Frequently the owner gets his or her first experience in house management when he or she moves into a new home, and is absolutely lost on the relative values of room sizes. In any case the safest guide is a good architect. Go to him as you would to your doctor. Tell him all the conditions and he will help you solve the problem. That is, after all, what your architect is for.

Between now and the time you will put yourself into an architect's hands keep looking at rooms with a view to whether or not you would wish them in your own home. Discover just what it is you like or dislike about each. Then you will know the features to seek or avoid for your own place.

When you do go to an architect, be sure to tell him all your desires. Do not make him guess the things you will like. Study carefully the preliminary plans he will draw. Go into every detail carefully. Changes should be made in the plans—not later on in terms of actual walls and floors.





JAMES A. G. DAVEY

IDEAL MASSING ON A DRIVEWAY BANK

Growing rhododendrons for magnificent effects

By P. M. Koster

THERE can hardly be an argument over the claim that the Rhododendron is the most beautiful of all flowering evergreen shrubs. Its large gorgeous flower trusses range in color from dark to light purple, from the darkest to light rose, from bright to dark red and show all shades of white. How proudly, boldly, and in what great profusion they are borne!

Though this article deals only with Hybrid Rhododendrons and only a few varieties of them, it must not be forgotten that *maximum*, *carolineanum*, *catawbiense* and the numerous varieties with small leaves require the same soil conditions and must be planted and treated in a similar way to that needed for the hybrids.

We do not have to travel far to see beautiful Rhododendrons. Fine plants are in Bronx Park, New York and in Long Island and Westchester County parks, in the Arnold Arboretum, Boston, in Highland Park, Rochester, Lakeview Cemetery, Cleveland, and Golden Gate Park, San Francisco. I have seen beautiful plants in Greensboro, N. C. and Louisville, Ky. flowering profusely in the open sun. Generally speaking they will grow where the summer temperature is not excessively high and the winter frost not too severe.

As is well known, Rhododendrons need a fairly acid soil in order to obtain the very best results, but in neutral soils satisfactory results can be obtained by proper treatment. Soils containing lime, however, must be specially prepared.

How do we know whether a soil is acid or neutral or contains lime? A simple

chemical test will disclose the facts, but we can judge pretty accurately by observing what kind of plants are growing in the surroundings where we wish to plant Rhododendrons. Where Laurel, Blueberries, Sweet Pepper-bush or Heath grows, Rhododendron will do very well; where White Pine, Larches, Birches and White Oak succeed we can safely take a chance.

Rhododendrons are moisture loving plants. Provided they find moisture, they can be planted under partial shade or in the open sun. I have seen splendid plants under both conditions. If they are planted too close to large trees they will not be happy because the network of the tree roots will take the lion's share of the moisture. Notwithstanding this disadvantage Rhododendrons mostly do well in the woods because they find there the right degree of acidity which (Continued on page 74)



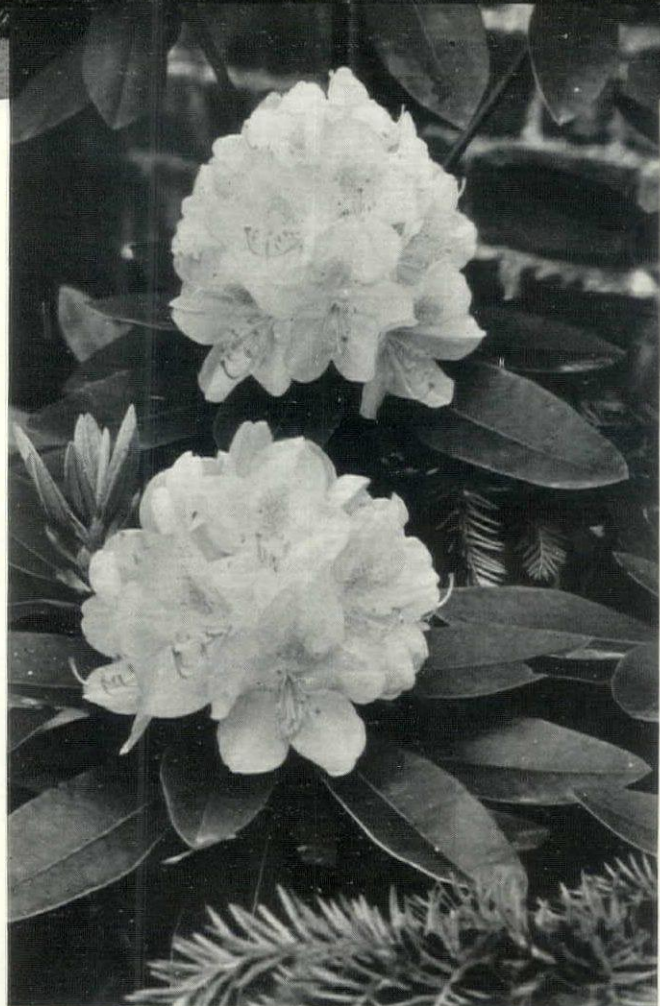
LARGE BUSHES PRONOUNCE AN ENTRANCE

PROPER soil and proper site are two essentials necessary for successful Rhododendron growing. They can be planted from August on and must be well mulched and kept thoroughly watered until winter. The color variations are many

BOTH in the mass and in the individual flower, Rhododendrons offer great beauty. They can be used as specimens, though the best effect is had when the bushes are massed and the colors blended. Modern hybrids are especially effective



FLOWER OF CATAWBIENSE



THE GREAT HEADS OF MAXIMUM



ROCOCO CURVES AND GRACE

ANTON BRUEHL



THE BAROQUE DINING ROOM

IN THE living room the French rococo doors and console, the Louis XV chairs, the mantel, and the Louis XV Chinoiserie wall panels are all in the same spirit and manner as the baroque dining room. Coloring in this room is extremely subtle, with gray-green walls and woodwork, curtains of misty rose taffeta and the carpet a deeper rose. The armchairs are an old white covered in a dull blue-green brocade

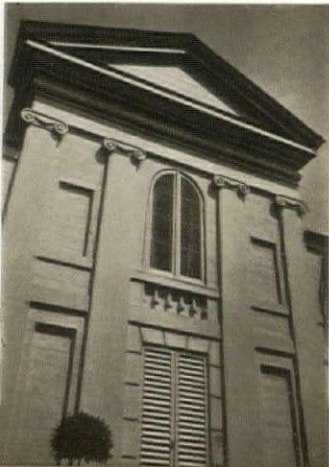
WALLS in the baroque dining room are hung in 18th Century Italian damask, originally woven for one room and now a mellow blue-green shade. This material also makes the curtains. The furniture, painted old white and gold, is mainly Louis XV, the curves of the French pieces being entirely harmonious with the rococo scrolls and carving of the German baroque boiserie. The carpet is a mellow copper color

**Baroque curves in
a Palladian house
from New England**

ONE of the most interesting and unusual houses in Hartford, Conn., is the residence of A. Everett Austin, Jr., which was copied from a Palladian villa of the 16th Century near Venice. Everything in the lines of the house is perfectly symmetrical, the dominant feature being the portico with tall pilasters flanking the entrance. The exterior, of wood with boards laid flush, is white. Leigh French, Jr., architect



BAROQUE BOISERIE FROM BAVARIA

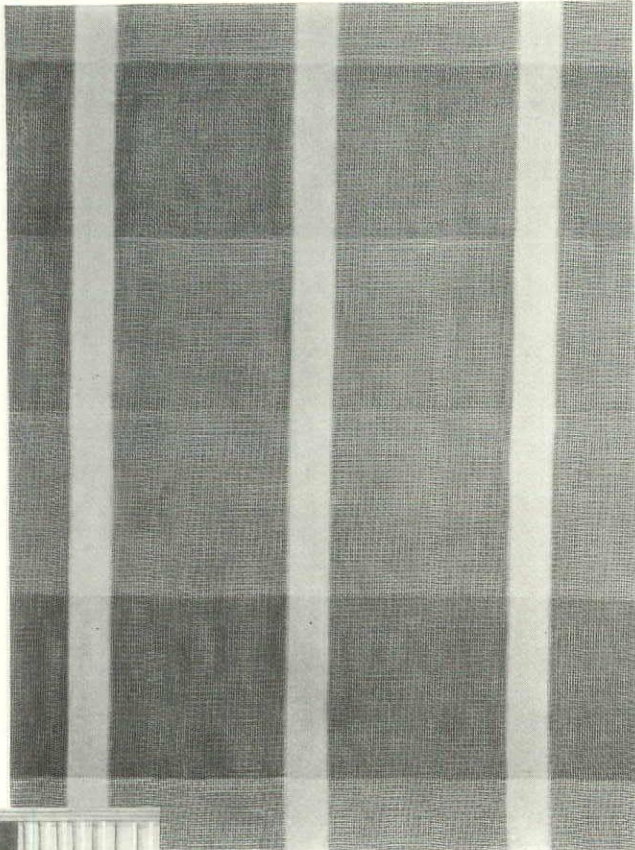


AFTER A PALLADIAN VILLA NEAR VENICE

ANTON BRUEHL

WITH German baroque decoration having a decided flutter these days, it is interesting to find this vigorous Teutonic expression of 18th Century French forms in this house in New England. Mr. Austin, who is director of the Wadsworth Athenaeum and Morgan Memorial, found the delightful boiserie used in the dining room—the scrolled doors and arch all florid curves and grace—in a house in Munich dating from about 1730. Like many baroque rooms, the wood trim is painted old white. Another view of the dining room appears opposite

Make your new curtains from one of these six practical designs

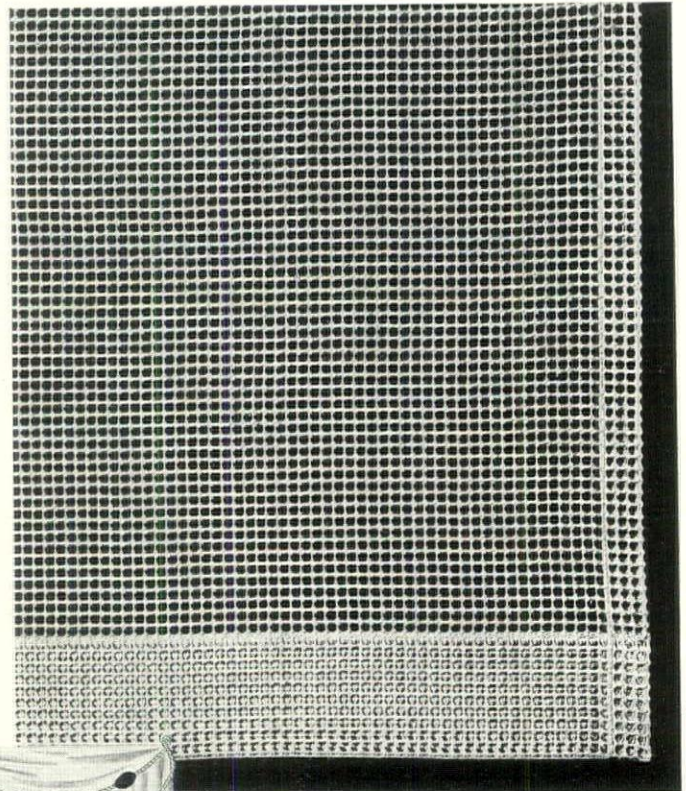
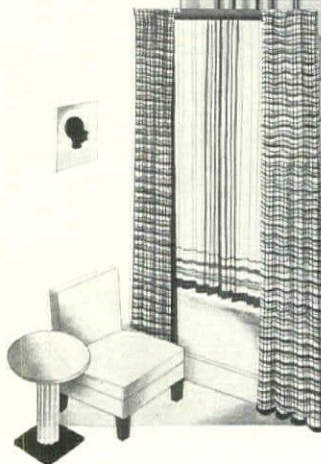


TO THE GENTLEMEN

ESPECIALLY usable in a man's room, the curtains at left are strictly tailored, depending for interest upon the design of the material—an imported, striped, silk net in cream, gold and gray. A single width of the fabric, 62 inches wide, is used, finished at the top with a French heading and falling in straight folds to the floor. Material needed, approximately 3 yards. From Frances T. Miller, Inc.

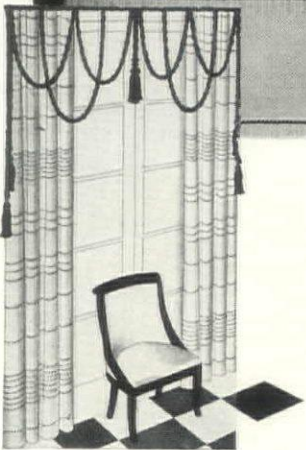
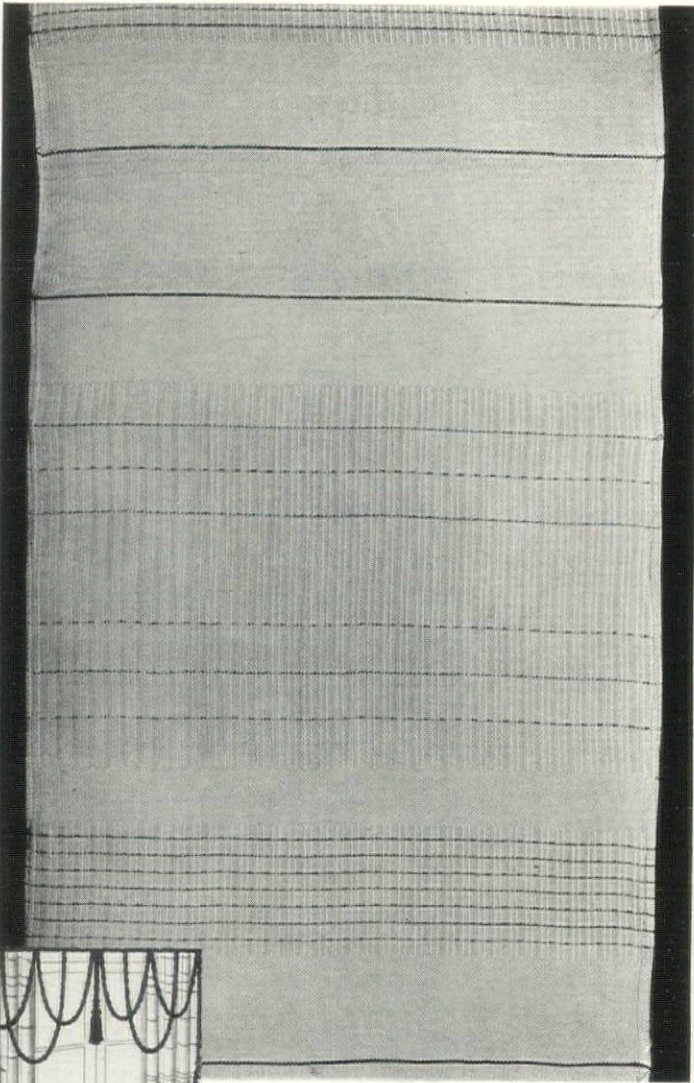
PLAID AND MODERN

To match over-curtains of plaid silk in green, blue, yellow and white, the glass curtains, right, are yellow voile with appliquéd, green and blue, stripes. 6 yards, 50 inch plaid silk; 4 yards, 39 inch yellow voile; 1½ yards of each of green and blue voile for stripes. Pull threads where stripes are to be, to ensure straight lines. Invisible weights in hem. French heading for over-curtains. Ysel, Inc.



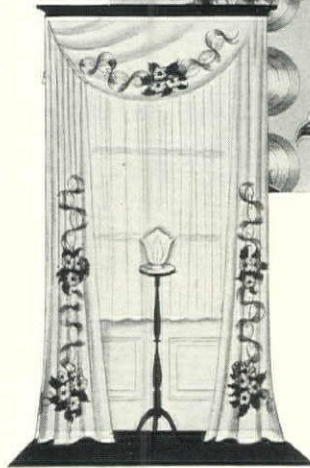
ANCHORS AWEIGH

FOR a boy's window that's different, sew blue suede anchors on net curtains and edge the swag valance with wooden floats. About 5½ yards of Scranton net are required for the curtains; 2 extra yards for the swag. Cut anchors 6 inches long from 1½ yards of 54 inch suede cloth. The wooden floats can be made by your carpenter. Paint dark blue and string on heavy cord. Design by Ysel, Inc.



LOOPING THE LOOP

TRY a rope valance if the sitting room needs toning up. For a window 5 feet wide, 16 yards are required. The draw curtains are of a hand-loomed material, 45 inches wide, and take about 6 yards. Stripes are henna on a cream ground; rope is henna to match. Frances T. Miller, Fabrics illustrated on these pages may be had direct from decorators. Give window dimensions when ordering

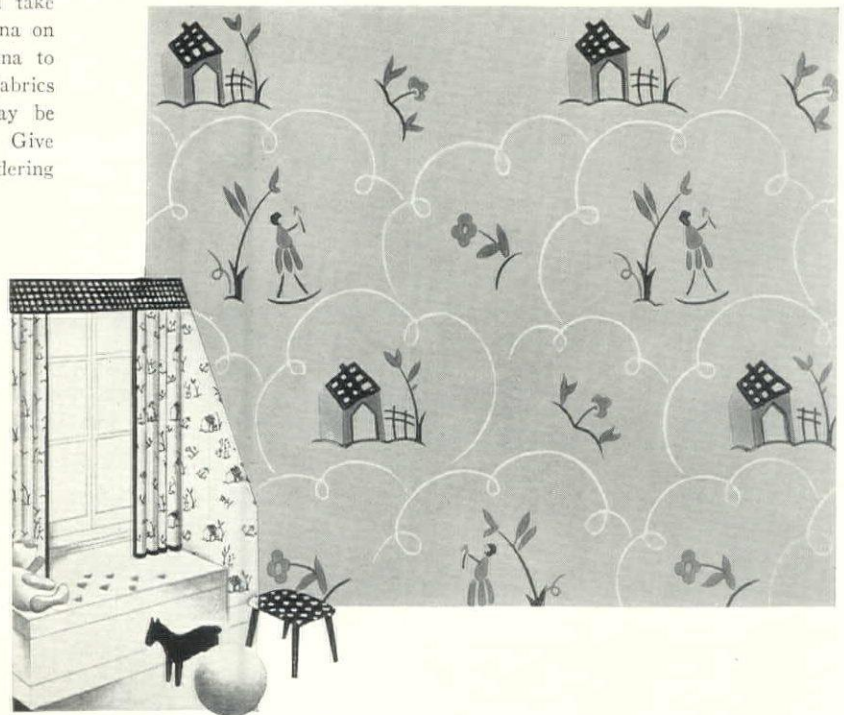


CHINTZ PERENNIALS

SEW a garland of flowers from your favorite chintz, stitch on net, and you have the gracious window decoration illustrated at the left. 6 yards of net are needed for an average window, plus 1½ yards for the swag which is cut on the bias. Six repeats, 24 inches long, of the chintz above make the appliqué. Net glass curtains have invisible weights run in the hem. Ysel, Inc., designers

LAND OF MAKE-BELIEVE

THE valance on this window in a child's room pretends to be a tiny roof, copying the toy houses on wall paper and curtains. Made of a composition board, placed at an angle to the wall, it has tiles painted on it in bright red. The curtains are of hand-stenciled, waterproof silk, with motif in gray and white, and are bound in red. They require about 6 yards of 39 inch material. Frances T. Miller



Looking into the linen closet for style forecasts

By Mary Murray

THE TOWELS and the tablecloths and the sheets and the pillowcases met one day in the laundry and a discussion began as to which of their number was most popular. They argued into the tub and out again and through the wringer and onto the line. When they reached the ironing board the question became rather heated and, unable to come to a decision, they decided to hold a popularity contest, the winner to be awarded a place on the very topmost shelf of the linen closet.

The table linens were the first to be judged. In military array they wheeled about on the table top, the napkins in single file, a tablecloth, stiff as starch, at the head of each line. The linens in spotless ivory and white from the Grande Maison de Blanc were out in front and their appearance drew a round of thunderous applause. That they would carry off the honors in the formal table settings was almost certain. These were closely followed by the delegation from Gribbon, Inc. which included ivory-toned cloths with colored borders and others completely white. On these the opinion of the audience was divided, the one as popular as the other. The Mosse brigade was resplendent in white and cream uniforms and in rich colors several shades deeper than those worn a few seasons ago. In this group, too, were round doilies for the circular table which, we hear, will be revived in the near future and charming luncheon sets of handkerchief linen with appliquéd flowers, to

be used with Biedermeier backgrounds. Red and white dots were embroidered—eclipse effect—on other sets of sky blue linen.

Fancy cloths of linen with filet work and embroidery outnumbered the damasks three to one in the company which came from McCutcheon's. The lace cloths of the Quaker Lace Company bore themselves very haughtily and no one could suspect from their grand appearance that they had been made by machine and were ridiculously inexpensive. They were inclined to snub the simple peasant cloths from the Grande Maison de Blanc and others from the Maison de Linge but these delightful fellows were as bright and gay as usual knowing that they were among the first in the public's affections. Their plaids were bigger and bolder than ever, running to dark blues and vivid reds and browns, and new striped treatments carried on the Basque tradition. The only rivals of this group were the crocheted and woven raffia luncheon sets from McCutcheon's, made in Italy and as colorful as that country's famous landscape. They expect to go South for the winter season.

The bed linens from Mosse were very temperamental. Some blushed pink, while others, of a jealous disposition, turned Nile green with envy when the apricot-colored sheets received more applause than they. Others were turquoise blue because they feared they wouldn't win. But the white sheets and cases embroidered in colors in modern motifs were quite nonchalant, and ran away with the show.

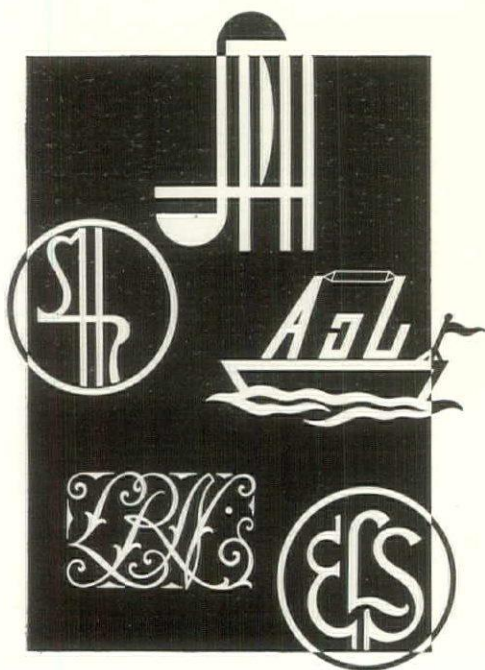
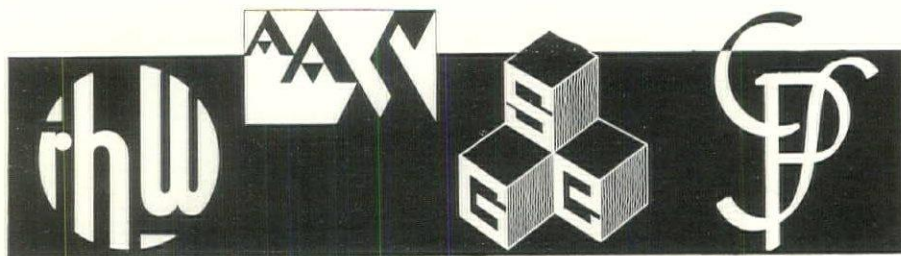
The towels were next in line and the great big red and blue bath towels from Mosse said in a loud voice that all the other contestants were all wet. Very masculine gray towels with black and white monograms which came from the same shop, objected to being placed near the dainty ivory Gribbon face towels. Just to be different, the towels from the Grande Maison de Blanc were decorated to match the paper on the bathroom wall.

The kitchen towels bustled smartly in, a workmanly crew, in workaday garb. The glass towels from Gribbon were in white crash suits down the middle of which ran broad, colored panels with various woven, decorative designs. Those from Mosse were divided into three squads according to their duties—pots and pans, glasses and the third for knives, forks and spoons. All wore the symbols of their respective offices in the form of borders and some were plaid and some striped.

A separate contest was held for the monograms most of which were very modern, especially those from Mosse—almost entirely in lower case lettering. From this shop came the newest and most charming members of the company, cream lettering on white damask cloths and napkins, and monograms in three tones—white and cream, outlined with a thin band of black—on cream rayon napkins. These last were designed to be used on mirrored top tables. Monograms on the bath towels stood in the center about three inches above the hem, instead of in the corners as we have seen them heretofore.

Some of the lettering is shown here just as it appeared to the judges. In the row above, reading from left to right, are a circular motif for dinner linens and a rectangular arrangement for face towels, both from Mosse. Next come lettered blocks in pyramid pattern, for a child's towel, from the Grande Maison de Blanc, and, beside this, a bath towel design from Mosse. In the square in the lower corner of the page are a ship design for a man's towel, Grande Maison de Blanc, script lettering for bed linen and circular monogram next it for luncheon linens, both from Mosse. In the upper left hand corner are two ultra modern motifs for table linens which were designed by Robert Heller and executed especially for him in Paris.

Note: Before the judges could come to a decision the housekeeper came along and put them all back on their proper shelves in the linen closet.





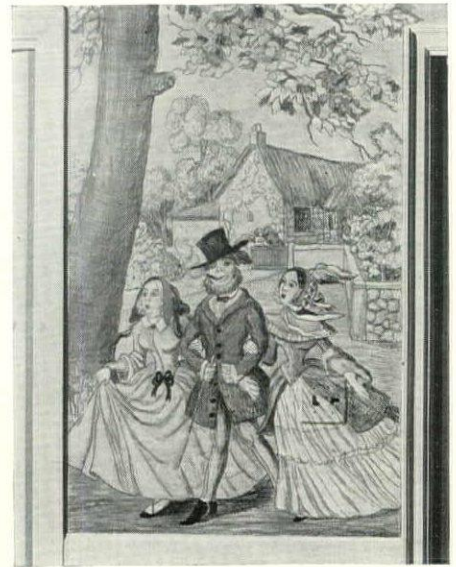
BRUEHL-BOURGES PHOTO

CONDÉ NAST STUDIOS

A modern bride flies the tricolor

DESIGNED to harmonize with the interior of a New York apartment decorated completely in contemporary fashion, these trousseau linens introduce such new notes as dark-toned towels and white sheets and pillowcases embroidered in color. Emphasizing the modern theme, monograms are in lower-case lettering. Mosse

China and Cruikshank contribute themes
for gay murals in two New York houses



CRUIKSHANK'S famous illustrations inspired the gay murals in Mrs. Harry M. Addinsell's New York City apartment. They were executed by Thomas Farrar in black pencil, white chalk and white tempera upon gray paper

WOODWORK in this hallway is grayish green and the deep gray carpet tones in with the grays of the murals. Furniture is antique English mahogany, a sofa in yellow silk supplying a vivid color note. Decorations by Ysel, Inc.





B R I L L I A N T panels by Allyn Cox of vivid Chinese figures against a silvery landscape line the walls of Mrs. K. Stone Hoyt's New York drawing room. Woodwork is finished in aluminum leaf, glazed with vermillion stripes in the moldings

T H E F U R N I T U R E, designed to go with the paintings, shows modern adaptations of Chinese motifs. Chairs in aluminum leaf have white leather seats; the music cabinet is also aluminum leaf with red moldings. Miss Shotter, decorator

What's new in building and equipment

DRESSING TABLE LAVATORY. Plumbing furniture, wherein is combined a lavatory with dressing table facilities, is the latest suggestion for the well-equipped dressing room and boudoir. Any bathroom of generous size will also afford a proper setting for this equipment. On each side of the central lavatory is a unit of the dressing table, their combined surfaces offering sufficient table-top surface for bottles, boxes and the multifarious dressing trifles, together with seven cubic feet of drawer and storage space below.

When milady sits before the Vanadoir, as the Excelso Products Corporation has named its new product, the lavatory is at convenient height for her use. Its clean china surface is free from dust-catching parts, and two shallow recesses in the top afford space for toilet soap and nail brush. The control handles that regulate the hot and cold water and the outlet drain are set in the front face of the fixture. Resembling in appearance the drawer pulls that flank them on the cabinets at either side, these control handles enable the user to fill and empty the basin without the difficulty of reaching across the fixture.

A cheval mirror at the back of the lavatory is framed in wood to match the dressing table. To allow for the many uses of electricity, the Vanadoir is equipped with outlets in several places.

ROCK-TEXTURE SHINGLE. Rugged, rock-like texture of weathered appearance and soft mellow colors are a recent offering in an asbestos shingle that is tapered for tight laying and easy application upon the roof. Thick butts produce a deep shadow line that improves the architectural charm of the finished roof. Shingles are available in both uniform sizes or random widths.

The Eternit Gothic, as the shingle has been named by its manufacturers, the Ruberoid Co., is made from high grade Portland cement, reinforced with carefully selected and prepared asbestos fibers. An ingenious building-up process is said to ensure even distribution of the reinforcement. Mineral oxide colors are used, with lasting beauty assured through a special color fixing and seasoning process.

ADJUSTABLE WINDOW GUARD. Expansion bars that securely lock in position distinguish a window guard of electrically welded steel in attractive design which has been recently offered to home owners. Fitting directly beneath the upper sash of double hung windows, the guard is placed within the window frame; after the sash has been raised, the bars are adjusted so that the guard is firmly braced at each side, then it is securely locked with a key.

This simple, light-weight and ornamental device provides two-way protection; it bars entrance from without and it prevents children from crawling or falling through a window. At the same time it permits ventilation as it consists of bands of metal, set horizontally and upright, so spaced that even a small child could not pass between them, yet offering little resistance to the passage of air. Furnished in black, this window guard could easily be finished in any color desired.

The Shur-Loc Window Guard, made by a corporation of the same name, is quickly locked in place or moved from window to window. It does not injure paint or woodwork as screws, bolts or nails are not used. Because of the adjustable feature, it will fit a window opening of any normal width.

HOUSE SPRINKLER SYSTEM. The automatic sprinkler system, long regarded as essential fire prevention equipment in many types of large structures, has now been made available for the home. If this protective system is installed upon the basement ceiling, the fire that flares up without warning automatically sets in action a water spray that will quench it, and at the same time sounds an alarm.

Two fundamental facts about fire are

By Gayne T. K. Norton

recognized in the design of the equipment; first that it produces heat, and second that it may be put out by water. The inevitable heat is made to turn on the water. Thus, without human agency of any kind, the Junior Sprinkler System as developed by The Grinnell Co., will discover the fire, take active means to put it out and at the same time sound a warning.

The simplicity of the system makes installation possible in many existing homes as well as in new houses. Flexible copper tubing connected to the house water supply is installed in the form of a loop, so that protection is extended over the entire basement area, where 35 per cent of residential fires are said to have their origin. With the tubing attached to the under side of the ceiling beams by clip hangers provided for that purpose, sprinkler heads in pendent position interpose but a few inches into headroom. They are spaced ten to twelve feet apart on the line, a special deflector in the Speedex sprinkler head assuring wide water distribution. Held tightly sealed by a special quartzoid bulb which will open only at a temperature of 135 degrees F., the operating element of the sprinkler heads is said to be proof against corrosion.

As soon as the installation is completed, the water is turned on, filling the tubing, and the compact brass alarm valve, combining shut-off, drain and check, is set. Thereafter the rush of water to check a fire, pouring out through any sprinkler head that has been opened by heat, will establish an electric contact that rings the alarm bell, either in the living quarters of the house, or at the fire station. Due to the constant presence of water in the tubing, the system must not be left unattended through severe winter weather. Provisions are made for complete draining through the patented alarm valve.

OIL BURNING FURNACE. With controlling devices and oil burner mechanism housed atop the combustion chamber, an oil burning furnace recently announced, employs the unique impact-expansion principle of combustion, perfected after much experimentation. All working parts of the furnace are completely enclosed within the sheet metal casing of this cylindrical robot, that will not only heat the house, but also will economically produce hot water for year-round use (*Continued on page 66*)



DRESSING TABLE AND LAVATORY



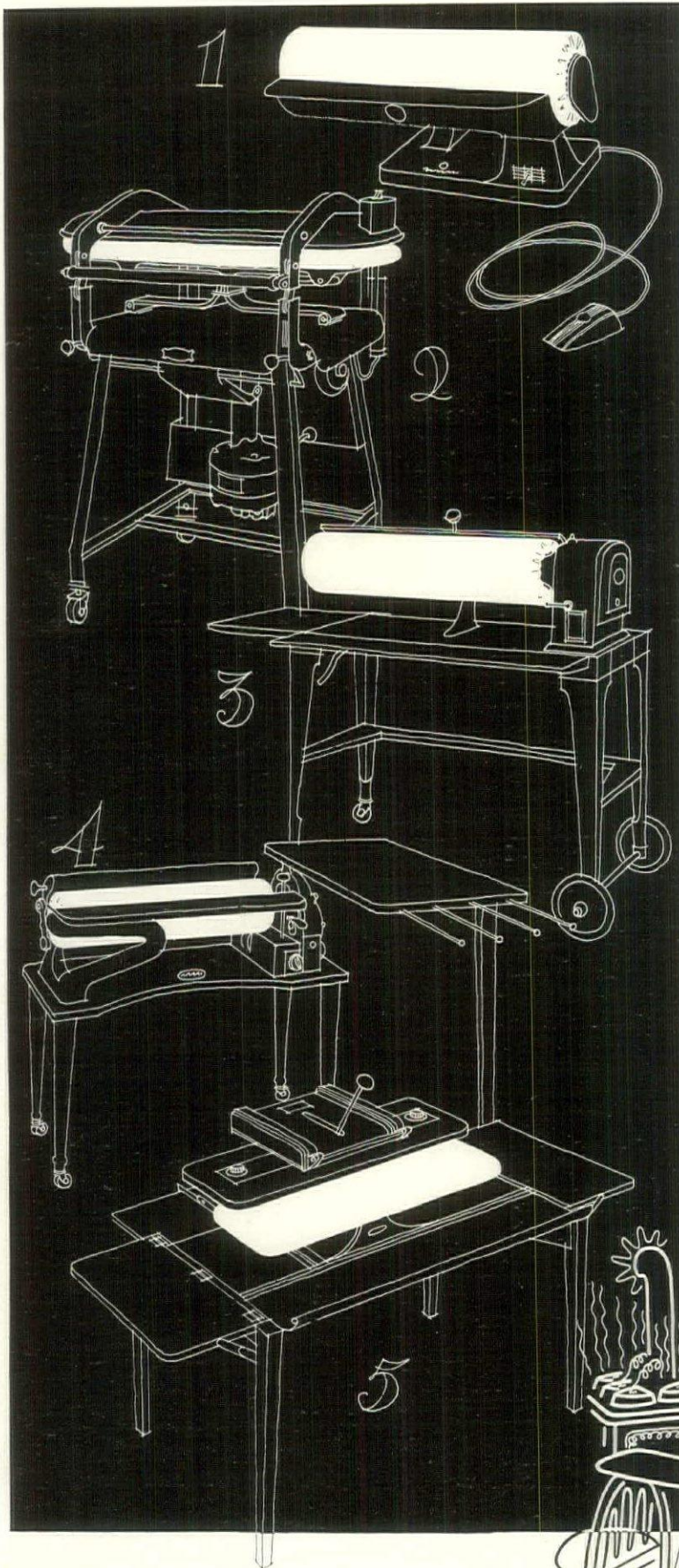
GEORGE H. VAN ANDA

Beside the blue of Long Island Sound

THE summer home of Averill Harriman at Sands Point, Long Island, is planned for sincerity of appearance as well as practical living comfort. Both house and grounds are notable for that simple charm which is the essence of invitation. James O'Connor, architect and Louise Payson, landscape architect

THE Harriman garden is slightly sunk below the level of the lawn and laid out in rectangular beds with low copings. A lattice fence surmounts the boundary wall on the side toward the water, giving added seclusion. It is a true dooryard garden, friendly and rich in the bloom of perennials and shrubs





NUMBERS ATTACHED TO THE IRONERS ABOVE WILL IDENTIFY DESCRIPTIONS IN THE ACCOMPANYING ARTICLE

Carefree laundries

By Elizabeth Hallam Bohn

THE home laundry of today is convenient and colorfully appointed—the result of careful planning on the part of the architect, sturdy construction from the builder, scientific advice from the electrical engineer and the creative imagination of the home manager.

If space does not allow for its sunny location above ground, the absence of daylight in the basement is effectively replaced by electricity. This lighting equipment should include a glass-enclosed fixture controlled by a pull chain and also by a wall switch at the foot of the stairs. Pendent reflectors equipped with pull chains should be placed over laundry tubs, washer and ironer, and a drop cord terminating in the service outlet provided for connecting the washer, to keep the cord suspended out of the way of the worker. The addition of an electric fan to the laundry equipment makes it possible to blow out steam and excessive heat and to dry small, delicate pieces of clothing that cannot be exposed to the sun. It is of vital importance that sufficient outlets be provided for incidental appliances.

One of the many reasons why the washing machine has become a necessity for the modern home is the fact that the family clothes basket contains such a variety of fabrics and colors, from sheer to heavy weight materials. These can be laundered individually with different soap formulae in the spacious washer, without affecting fabric or color.

In the points stressed about the various

THE WASHING MACHINES ILLUSTRATED BELOW ARE AMONG THE NEWEST AND FINEST DESIGNS OF THE LEADING MANUFACTURERS



machines described, you will find minor differences but one point that all have in common is the ease of operation, moving parts well protected and covered, simple construction with few parts to get out of order, the cost of operation and noise reduced to a minimum. Prices vary from \$59 to \$325.

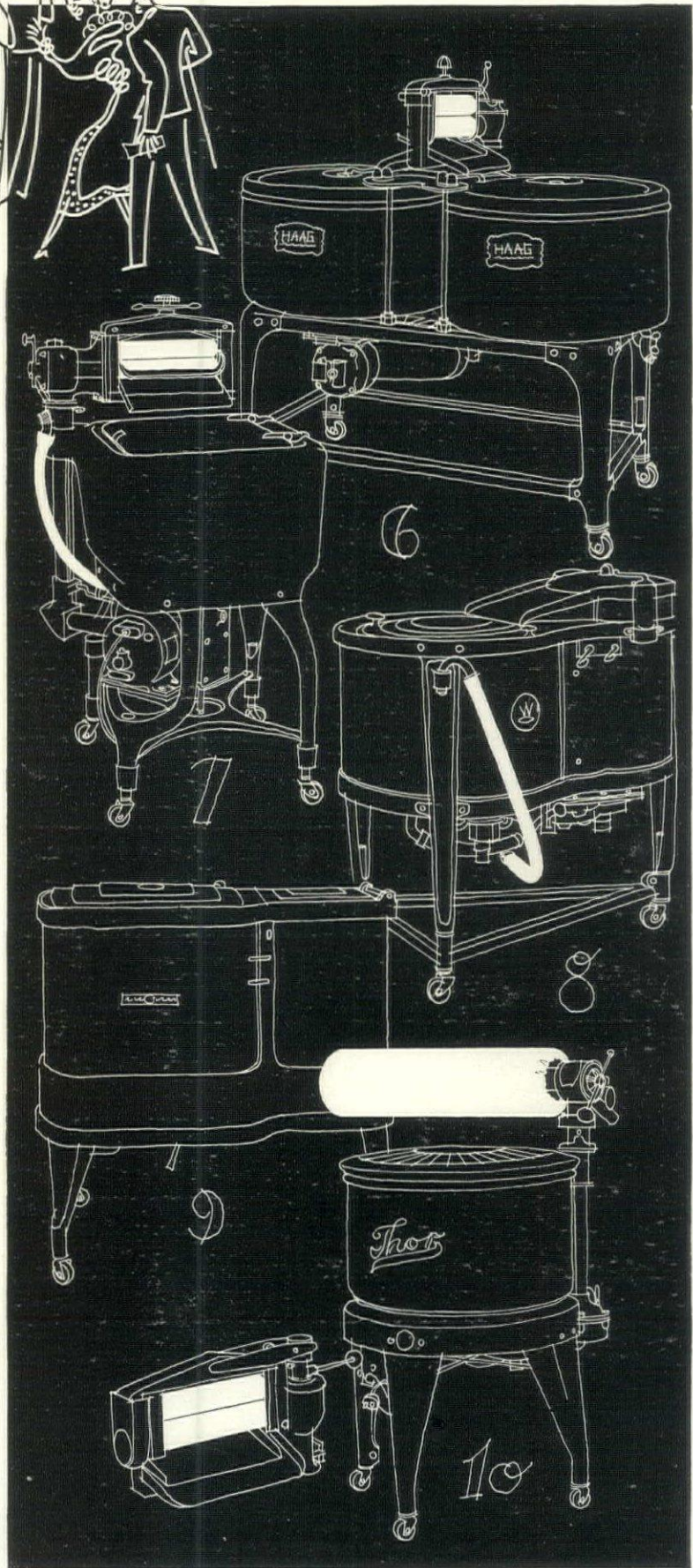
Although the washing machine is given first place in laundry equipment, no model home laundry is complete without an electric ironing machine—almost magic in its speed and skill. A large family ironing which by hand methods consumed a full day of back-breaking work can now be accomplished in two to two and a half hours by the operator, comfortably seated in a chair.

Before purchasing, a survey should be made of the weekly ironing to determine the length of the roll required. For example, if sheets are for single beds, a twenty-six inch roll would be the best purchase. Unfortunately, too many people feel that an ironing machine is designed for rough and flat pieces only and therefore is an extravagance. If the operator practices diligently, perfection can be reached not only in ironing shirts and children's clothing but in lingerie. The roller type machines included below are all built with open-end rolls which simplify their use greatly. An ironer without an open end has the same effect as an ironing board placed between two chairs.

The Westinghouse Electric and Manufacturing Company's electric washing machines of the agitator type have balloon roll wringers and are equipped with extra power motors. Centrifugal dryer models have both a tub and dryer compartment; see illustration number 8. All the machines made by this company are finished inside and out with special porcelain enamel of stippled beige color.

This company also makes a handy, portable ironer, that is completely automatic and light and easy to move around—illustration number 1.

The Ironrite (Continued on page 71)



Know the style of your house

By Emily H. Butterfield

AMERICAN methods of living and the traditions of home life make the exact reproduction of any period of architectural style in domestic design exceedingly impractical, if not actually impossible. All types of building materials are more or less accessible in almost every locality in our land. Accordingly characteristic construction principles are ignored in attempting to translate a style.

Certain houses are said to be designed in some specific style. In almost all such cases the structural demands and rulings that developed the style originally are not only disregarded, but are unknown. We design a timber and stucco house, but we do not use the timber as part of the framing nor do we fill between the framing with wattles and plaster. The timbering is only surface decoration, more often than

not obviously so. A house conforming to the lines of the California mission is not built up of adobe, but of tile and stucco. Sometimes the very irregularities of the original, crude prototype are copied and simulated in the new, but so illogically carried out as to give a highly theatrical aspect. We reproduce certain roof lines, chimney contours, and details of design such as gables and doorways. We adapt plans, construction and general massing to practical requirements.




The average American says that English and French houses are too cold and thereupon alters a copy of those houses to give warmth and easier heating facilities.

We like plenty of winter sunshine so sun-rooms are incorporated in the main mass even though the inspiring design was one that conformed to the darkness of window-

tax days. Bathroom and kitchen facilities are deemed all important to the home owner in this country today so these necessities change the grouping of rooms as well as the entire scheme.

In many instances compactness is sought because of heating problems or land limitations, and our designers are obligated to readjust dimensions or proportions which have been dominating influences in the original work. In such cases we rely more decidedly upon details to suggest the effect we desire than upon the more basic principles. Even in the locality of an architectural style's birth and development, features vary and the entire scheme is pliable and growing. Innumerable exceptions and appropriations of extraneous detail are evident in the examples of work, even in its native locality.

Repeatedly we hear the question, "In what style is that house designed?" Then frequently there comes the query, "How can you tell . . . by the doorway? . . . the roof?" One thinks of a published cartoon in which a Mrs. Recently Rich was showing a guest through the elaborate, new

	FRENCH TOWN HOUSES GOTHIC	BELGIAN AND DUTCH	GERMAN TOWN HOUSES	ENGLISH COTTAGE— EAST ANGLIA
MATERIALS	Brick, stone, stucco, timber	Much brick used in the construction	Brick and stone	Timber, later followed by brick as the wool trade prospered and the people of this section gained more means
WALLS AND PLANS	Courts included in the plan	Much detail following the use of brick		Weatherboards like the ship with which the people were familiar. Uprights of the framing often as close together as their width. These overhung the lower story.
ROOFS	Steep, tiled or slated	Steep. Tile covered	Lofty roofs which cover many stories	Tile. Flat hipped, gabled
GABLES				
DORMERS	Dormers sometimes brick, often large. Some of timber and stucco. Dormers run up through eaves, flush with the wall	Tiers of dormers	Many dormers, aiding in drying wash. Many peaked gables customary	Occasionally windows in gable. Sometimes dormers were built in roof
ATTICS				
CHIMNEYS	Square, rather plain	Bold chimney stacks	Many chimneys, tiles are very frequent	
WINDOWS	Frequently quite large. Both arched and square headed	Many windows, arched, square, in groups with paneling between. Windows in bays and towers	Orderly, balanced placement of windows	Almost continuous around the house, in early days, though later closed by reason of the window tax. Some windows were corbeled out and decorated
DOORWAYS	Many doors with segmental arches, molded	Doors with various kinds of arches, sometimes grouped with windows	A variety of doors arched in various manners	Some now show classic molds and detail
DETAILS	 Often brick arches. In timbered houses overhanging stories and carved barge boards are usual	Coarse moldings and much ornamentation	Brackets and a great deal of carving	Walls were plastered for warmth, each town having its own favorite design for molded plaster and also color
CHARACTERISTICS	A fine sense of elegance which has been much admired	Many turrets	Essentially picturesque	Few curved or inclined braces were used in the half-timber work

home. "This", said the hostess, "is our Louis XVI room." To which the guest replied, "What makes you think so?"

The casual questioner does not realize that the ordinary American home is not a perfect example of any one style, that structurally it cannot follow the practices of any period except modern U. S. A. However, the main massing and many details should conform to the tenets of one style. A chimney flagrantly out of keeping with the roof lines or a frivolous porch placed against a dignified façade are certainly deplorable.

Every style is separated into various subdivisions and periods. The general heading, "American Colonial", may be intended to include the Pennsylvania stone house with stout frame trim and ornament. At the same time, the phrase may embrace a New England clapboard mansion with entrance inspired by classic motifs and with green blinds. The stately Georgian house, with graceful columns rising two stories may be under the same classification.

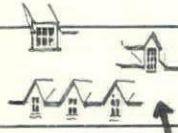




Houses in Monterey, California, combine in appearance New England traditions brought to the west by Atlantic coast

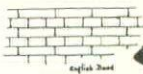


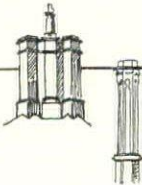

traders with the adobe construction peculiarities of the western locality. Balconies, courtyards, picket fences and green blinds result. Many pleasing and acceptable designs can make no claim to definite classification, while poor, undesirable compositions sometimes follow the rules of a recognized and named style with accuracy. Yet other structures may not be close interpretations of any order or style, but may include enough details of a particular era and locality to claim relationship.







The accompanying charts give a general guide to the salient features of types most often observed. Since the English styles have been particularly popular and are probably most easily adapted to our needs, space has been given to the chief characteristics of the typical English homes in various sections. How true your own house is to any one style may be gauged somewhat from these tabulated characteristics, if it is in historic or named design. However, there is always an atmosphere about any good architectural composition that cannot be readily described and assuredly cannot be diagrammed.




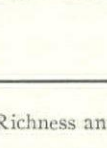

For those who are looking forward to a home-building project, here is a bit of good advice. If you desire good design in any one of the traditional styles, do not plan every feature of the interior before considering the exterior. First of all, think of the approximate size the house must be to contain the number of rooms desired. Then decide the style. Find the characteristics peculiar to that style in houses the size you desire. Conceive a sort of hollow shell embodying what you wish your house to look like. Then consider how the rooms you require will best fit into that shell.





Of course there will always be some juggling required to make exterior and interior conform. A few exterior details will probably have to be altered; possibly some room dimensions must be changed from the ideal. On the whole, however, the system outlined will make for much better design than a hit-or-miss proposition of laying out floor plans, designing some sort of exterior around them and then slapping a few period details on to signify that the house was intended to be Norman, English, Colonial, or what have you.

SUFFOLK AND NORFOLK	KENT, SUSSEX, SURREY	GLOUCESTERSHIRE, OXFORDSHIRE, DERBYSHIRE, N. HAMPTONSHIRE
Flint and brick in white and black panels. Barns were usually constructed of tarred weather-boarding with steep roofs	Several materials, brick and timber, weatherboarding and sometimes walls were weather-tiled	Chiefly stone
Variety in the use of flint with brickwork, creating a decorative effect. The measurements of the ricks and the cottages were sometimes the same	In Kent small pieces of flint were placed in the masonry joints. In Surrey small pieces of ironstone were set in joints of the brick work	Sometimes additions were built to cottages of brick or stone. These were whitewashed
High, steep pitched roofs, sometimes constructed of a small tile	Long roof line with unbroken eaves. Tile roofs sometimes hipped, with little "gabllets," Eaves usually had unbroken line. Later stone slate was used.	High pitched roofs with stone slates, smaller toward ridge 
Roofs of gables flatter than main roof. Projection over gables sometimes omitted. Curved lines in gables indicate Flemish influence	 Often roofs were hipped without gables, though overhanging gables are frequently seen in this style	Many gables. Dormers break through eaves as they were originally copied from wood and plaster type of buildings
 Usually finished with a double course of projecting brick	Large chimneys flanking gable ends or one stack dividing roof line in middle 	Many chimneys of stone. Flues vary—square, cross shaped, sometimes open space between flue shafts
Conservative number of windows	Usually square with small square panes. Occasionally round heads. Blinds were used	Stone sills casings, quoins. Many group windows. Transoms in Derbyshire windows frequently seen. Lintels, sills, jambs are square without chamfer
Square headed and arched with the cornices upheld by brackets	 Square or round cornice or mold above. Sometimes a small pent roof	Usually square tops except where Gothic influence is evident. Some display thoughtful detail, moldings, etc. Occasionally a square stone supported by corbels
Good ornamental plaster in various patterns. Ornamental wall ties in gables	Brick bonding emphasized. Tile employed for cornices	Finials on the gables are given attention and stone tablets with name and date of builder are used as decoration
Foreign influence evident in certain instances, curved and stepped gable fronts		Black and white effect in timber work. Geometrical effect in panels

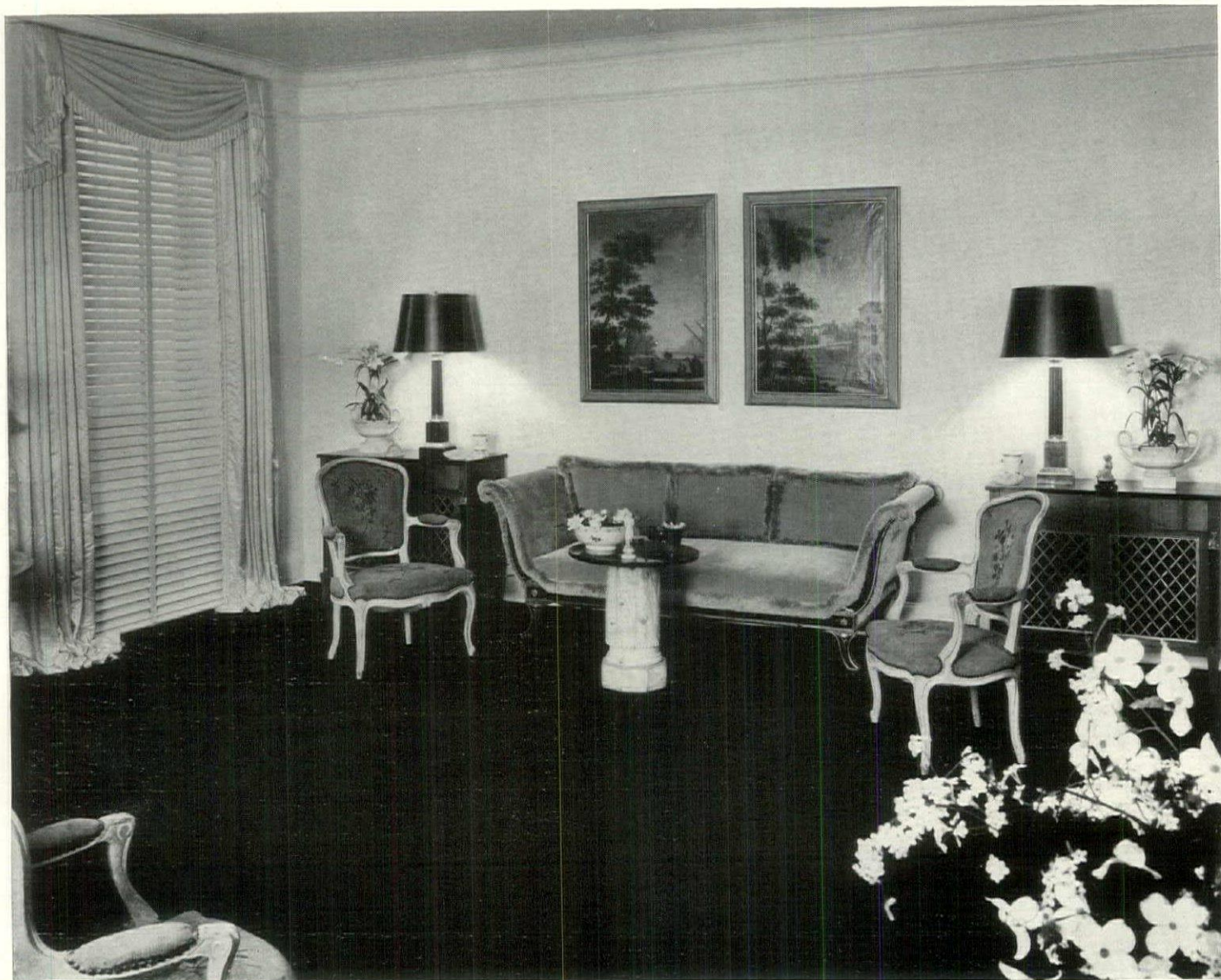
	SOMERSETSHIRE AND DEVONSHIRE	WARWICKSHIRE AND WORCESTERSHIRE	CHESHIRE, SHROPSHIRE, HEREFORDSHIRE
MATERIALS	Cob and slaty stone walls, plastered and whitewashed	 Half timber, brick, plaster. Brick usually in Flemish bond	Half timber and brick; brick and plaster. Low stone walls to first story level
WALLS AND PLANS	Few walls are laid true	 Gardens, fences and gates part of the general design	 Usually half timber, but a few rough cast walls
ROOFS	Thatched roofs, not overly exact, later giving way to slate	Tiled and thatched roofs	Stone in Cheshire. In other two counties slate, though originally thatch
GABLES	Few complete gables or hipped roofs, lines almost always broken or interrupted	Dormers flush with wall and usually gabled, not hipped. Gables usually without windows	Many dormers have a flat pitch due to the heavy, stone slate roofing used
DORMERS	Frequently rise well above ridge. Finished with slate and above a sloping bit of masonry. When chimney was on outside wall it projected out a considerable distance	Usually of brick	 Chimneys seem numerous in Herefordshire. Many have flues placed anglewise
CHIMNEYS	Small, set back from face of wall. Plaster around jambs and lintels is rounded	In groups and bays, usually set near the face of the outside wall; in many cases glass is flush	Casement windows. Also windows in bays which are covered by the eaves
WINDOWS	Usually plain and simple unless Gothic influence is evident	Occasionally protected by porches. These sometimes had carved posts or balusters. Lintels were sometimes cut in arch shape	Timber work corner posts heavier than others, and strutted. This work showed diamond, quatrefoil and cross shaped designs. Shropshire timbering more perpendicular
DOORWAYS	Essential type of cottage homely, comfortable. When corner buttresses are omitted, corners are usually rounded	Unbroken frieze between top of first story windows and eaves	Black and white effect. Geometric patterns formed by timber work
DETAILS	 Buttresses are characteristic; large to give strength. Placed at corners or in line with chimney at ridge	Much wrought iron in hinges, fasteners, etc.	
CHARACTERISTICS			

	ENGLISH MANOR	GEORGIAN	NORMAN	QUEBEC
MATERIALS	Brick and stone, also timber and stucco	Brick and stone, also frame	Stone, brick, stucco. Sometimes half-timber with brick between, plastered	Stone. The walls and gables, even in log houses, follow the lines of stone design
WALLS AND PLANS	Large hall with gallery, many halls and accessory rooms. Walls have bays and oriel windows	Symmetrical plan, frequently center hall	Plain with few breaks. Plans were usually rectangular, frequently long and shallow	No bays in walls. Simple in all ways as best fitted to the living habits of the owners. Plans rectangular
ROOFS	 Pitched and flat, battlemented	 Pitched roofs with classic cornices	Simple roof lines. Sometimes ridged back. A projecting course of brick in the wall forms the cornice	Hipped roof with bell cast at eaves. Occasionally finials or points are on the roof suggested by style of Henry IV of France
GABLES	Many curved and stepped gables showing a definite Flemish influence	Dormers bordered with classic detail; round topped windows, etc.	Simple dormers breaking through the eaves	
DORMERS	Many chimneys, often picturesquely grouped	Straight shafts ornamented with molded caps	Simple, rectangular shafts	Big, strong chimneys. Sometimes fake shafts were put on roof to give air of wealth
ATTICS	 Carved oriels and bays. Adorned with emblems and symbols	Geometrically balanced. Have pedimented caps, quoins and classic detail	Square topped or slightly segmental. Often to the floor and frequently fitted with blinds	Simple windows one above another. In earliest work double casements were seen, opening inward. Glass panes small. Large houses had double outside shutters
CHIMNEYS	Ornamental, carved, with moldings, and various emblems and symbols	Pedimented, with columns and various classic details	 Square topped or curved	Square. Eaves were widened until they needed supports; hence galleries and porches were the result
WINDOWS	Classic and Italian details included in these buildings, which are Gothic in form	In America, wood details carry out scheme; adapted to material, frame, brick or stone	 Little decoration	Used plenty of bright color on details whenever it was possible
DOORWAYS	Adaptable to extensive and magnificent country homes	 Classic details usually	Simple designs, occasionally towers with roofs conical or polygonal	Massive and large, built with the thought of stone material
DETAILS				
CHARACTERISTICS				

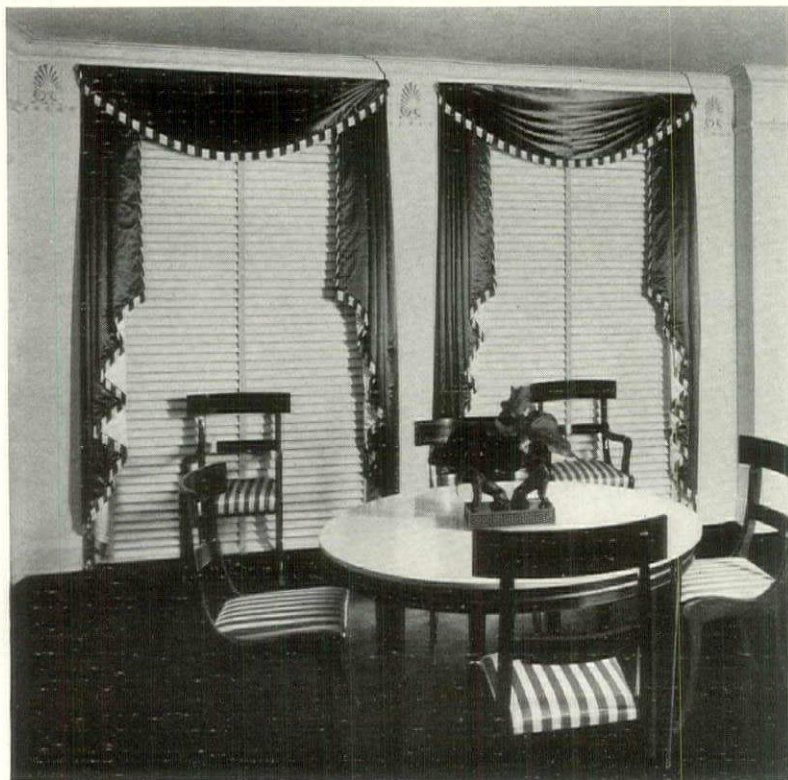
ENGLISH DECORATED PERIOD	FRENCH RENAISSANCE	ITALIAN RENAISSANCE	SPANISH RENAISSANCE
Brick, stone, timber and plaster	Chiefly stone, sometimes in combination with red brick	Frequently brick or brick with ashlar facing. Thick walls were the rule	Stone or brick walls. Much iron grille work used
Living quarters surround a court. Walls broken with bays and various details	Town houses have court enclosed by low wings and screen wall on street. Country chateaux picturesquely designed	Heavy walls allowing recesses and alcoves with or without doors are seen in the interior. Pilasters, plain and foliated, used as orders. Orders more than one story	Carefully guarded courts. Elaborate staircases
Flat and sloped. Roof construction often shows within great hall. Galleries richly carved	High Roofs 	Flat roofs with deep cornices and balustrades are frequently seen	Tile roofs very low pitched with overhanging eaves
Gables and dormers have battlements and parapets	Attic with circular windows. In chateaux often gables and dormers give way to balustrated facades	Flat roofs preclude dormers and gables	Gables and dormers rare as the roofs are flat
Chimneys have many moldings and are in varied forms. The hearth is frequently richly canopied	Lofty chimney stacks	Interior chimney pieces important. Hearth often projected far into the room	Southern climate rendered them unimportant
Variety of form. In main hall frequently one great, lofty window of many panels. Upper window divisions always more than a square	Windows often super-imposed. Circular windows frequently placed in attic. Gothic mullions and transoms were often included	Windows at the top were very often grouped into a frieze. Symmetry usually determined placement of windows	Ground floor windows frequently protected by grilles. Upper windows usually have a wealth of ornament
 Elaborately molded, usually arched	In early work the doorways were usually decorated	 Classic with square tops and pediments or architraves and brackets. Often iron lanterns formed part of the design	Doorways sometimes arched. Often flanked by columns. Sometimes these are twisted
 Many molds, symbolic devices, etc.	Gothic influence evident, as in paneling. Medieval and classic combinations developed	Heavy crowning cornice after Roman precedent. Ornament confined to doors, windows, orders 	Rich, ostentatious decoration. Moldings rich due to silversmith's examples. Also to Moorish plaster work
Richness and decoration, variety	Few columns on exterior of houses	Polychrome used to heighten decoration. Restraint evident in ornamentation	Twisted columns and balustrades are frequent

SWISS	NEW ENGLAND FARM HOUSE	DUTCH COLONIAL	CAPE COD COTTAGE
Rubble foundation 8 or 9 feet above grade, then timber is used	Frame construction, siding and shingles. Some stone, occasionally brick	Stone, brick and timber, siding	Frame, siding and shingles
	Walls plain, unornamented. Rectangular plan often with a wing or ell	Rectangular main portion. Walls sturdy, unbroken by bays, etc.	Simple, rectangular walls unbroken, usually one story, the house being a story and a half
Broad, flat pitched roofs of slate shingles tied with big rock. The eaves are widely overhanging	 Pitched with gable ends. Shingles	Broken or gambrel roof. Eaves frequently at second floor. Shingles 	Pitched roof. Shingles
No dormers	Windows in gable ends. Gabled dormers sometimes seen	Windows in gable ends. Dormers with roofs following line of upper portion of roof	Windows in gable ends which are in second story. No dormers
In early times cooking was done over open fire. A hole in roof, protected by tiles, one opening and lowering, was the only chimney	Chimney usually in center of main unit, coming up above peak of roof	Frequently at either end, sometimes projecting outside the wall	Chimney in the center coming up above the main ridge
Square topped, following wood construction. Not large due to climatic conditions	Double hung, small panes, usually symmetrically placed. Blinds were customary	Double hung, small panes, symmetrically placed to a large extent; blinds	Not overly large, double hung, usually symmetrically placed
Protected doors, square topped	Very plain, with or without plain, unadorned porches, often of lean-to type	Doorways have various types of hoods, usually with classic detail. Porches of various sorts also seen, gabled and sloped roofs	No porches. Excessively plain doorways are usual 
Boards and beams inside and out, richly carved. Inscriptions used as a method of ornament	Little or no decoration	Wood details bold enough to fit the brick and also the stone walls	Peculiarly lacking in decoration. Carpenters continue to contribute their traditionally solid work which is the only decoration
Frame and timber construction. Much carving 	Simplicity and austerity was the rule	Combination of Dutch traditions and Colonial design	Absolute simplicity. Sailors love white lead; hence everything painted white

(Other table on page 73)



THE FRENCH AND ENGLISH LIVING ROOM



BLACK, WHITE AND GREEN EMPIRE DINING ROOM

A story in three languages of 18th Century decoration

ACCESSORIES from France, Germany and England dwell together harmoniously in the New York apartment of Mrs. George Carpenter. In the living room, shown above and at the top of the opposite page, Regency tables fraternize with Empire cabinets and old Bergeres covered in needlepoint. Chairs beside the fireplace and the sofa are covered in fawn velvet and trimmed with deep fringe in the same color. Carpeting is black; wall, white

THE background of the Empire dining room, left, is white; carpet, black. Seats of black chairs are green and white striped satin matching bright green satin curtains. The antique Biedermeier bed in the bedroom, opposite, is covered in blue taffeta, echoing the walls and ceiling; armchair, same. Glazed white chintz patterned with large magnolia blossoms is used for curtains and on seats of Biedermeier side chairs. Empire Exchange, decorators



BOOKCASES ARE FRUITWOOD WITH BLACK COLUMNS



BLUE AND WHITE FOR THE BIEDERMEIER BEDROOM



THE 3

And next we shall be living in glass

It's a long, long way from the Hall of Mirrors at Versailles, where Mansart and Le Brun set the court agog with its own reflections. It is even quite a long way from those days of 1911 and 1912 when, in the infancy of American decorating, Miss Elsie de Wolfe fastened large flat sheets of mirror to the drawing room walls of her quaint little Irving Place house and set the conversation running adjectival. Since then the use of mirror glass in large areas has become a commonplace. We now save our adjectives for something else. And that "something else" is the diverse styles in which glass is now being produced and can be used.

This, however, has not come overnight. No decorator or craftsman or designer merely pulled it out of his bag of tricks. The departure from silvered mirrors has been gradual.

In 1920 Paris designers began using colored mirrors—mauves, pinks, greens—using them in large areas for wall sur-

faces. From this it was a short step to using in a sophisticated manner large sheets of colored glass and various forms of glass compositions.

During the past year or so furniture covered with sheets of mirror has appeared and found a favorable acceptance. This is especially applicable to such boudoir requisites as dressing tables.

From this the next step was to use glass structurally in making furniture. Instead of applied to a wooden frame as a veneer, it now is used practically throughout.

These preambulatory glances into the past are necessary to preparing the mind for the reception of the all-glass room which House & Garden herewith presents. Made in a model for photographic purposes, many of the pieces in this room are now being executed in full size and will shortly appear on the market. The furniture and the backgrounds were designed by the Colwell Company. This room is the first of a series of room models espe-

EVERYTHING in this room except the carpet and the upholstery is of glass. It shows the many forms in which glass is now made and the daring ways in which it can be used

By Laurence J. Colwell

cially prepared for House & Garden's readers to show the application of old styles in new materials.

For the side walls were chosen large sheets of gray glass, which would furnish a dignified background to the crystal furnishings that were projected. At the corners are set recesses of sparkling white vitrolite behind white wooden or marble columns. In these stand pedestals with white glass vases of glass flowers in which are concealed lights that throw an indirect glow over the room, the light being reflected by the vitrolite walls of the recesses. With this lighting the recesses stand out in bold relief. Around the top of the walls runs a frieze of carved glass in the familiar Greek key design. Over the fireplace is

a wreath of Laurel leaves made of silver mirror glass—a simple and decorative overmantel treatment.

The Empire mantel would be of marble or wood painted the same white of the corner columns. A marble bust in the classical style would be sufficient decoration for the mantel shelf.

The other non-glass objects in this room are the rug and the upholstery. The former is a white wool chenille and the material used on the chairs is white moire and on the chaise longue white chiffon velvet.

Our great departure is in presenting furniture of glass—glass which has been molded, carved, sand-blasted, polished and engraved into exquisite forms. Handled thus it takes on an entirely different feeling. This manipulation and handling give it uses never before deemed practical. Thus these newer methods have evolved the Empire chairs of clear crystal. The sparkle and grace of these chairs, with their seats of pure white moire and lovely

lyre-shaped backs, remove them from the commonplace atmosphere of furniture made from more prosaic materials. Structurally it is quite simple; the seat frame is of wood into which the legs and back are firmly inserted. While the glass makes a weighty chair, the thickness of the glass itself and the method of making it assure both comfort and safety.

The graceful chaise longue is of heavy plate glass with which the soft chiffon velvet covering in oyster white forms an outstanding combination in lustrous beauty. While it would be safe to make this chaise longue entirely of heavy sheet glass, it might also be produced by fastening pieces of sheet glass onto a light iron frame.

The consoles are of solid crystal bars bound together in the lictor manner by bands of chromium; the top is of solid plate glass.

The round table beside the chaise longue is also of crystal bars grouped to form the base in a ring of heavy polished glass.

Over the consoles are classic plaques of carved glass backed and framed by white vitrolite.

While at first glance this use of glass may appear daring, it is well to remember that glass in the styles shown here is on the market, only it is usually put to more homely uses. Thus the pedestal of the table is composed of round glass bathroom rods and the top and bottom are merely circular pieces of clear glass. Bathroom rods of sturdy proportions could provide the legs for the two wall tables.

The splendor of this drawing room, with its rich variation in grays, many whites, and off-whites, becomes a superb background for its occupant, accentuating as it does the slightest note of color.

We have deliberately chosen a period room in which to interpret the use of this modern material as we feel that this method shows more fully and completely that there can be no incongruity in using glass in any manner or in any period.



BIRD'S-EYE VIEW OF A GLASS ROOM IN MINIATURE



G. W. HARTING

**A Georgian design
with informal plan
for a rolling site**

AS AN instance where the formality usually associated with Georgian architecture has been avoided, the Katonah, N. Y. residence of Richard W. Clarke is of particular interest. A view of the front façade is given below. To the left is a close-up of the central unit, showing the entrance detail. Walls are of whitewashed brick supplemented by flush boarding in the arches and shingles on the wings. The roof is of wood shingles stained black. Bagg and Newkirk, architects; Robert Ludlow Fowler, Jr., landscape architect

LOGICAL disposition of rooms has been carried out. On the first floor, the central unit contains stair hall, dining room and library. The right hand wing is for service and to the left are drawing room, garden room and powder room





THE Georgian taste also finds expression in the dining room shown above. Against a dead white paneled background, the dark, mellow tones of fine 18th Century furniture pieces make an inviting picture. Kerstin Taube was the decorator

THROUGH a small octagonal entry the stair hall at the right is reached. Murals in the wall panels illustrate Amherst College as it was in 1830. The French door at the right of the stairway opens upon the terrace that is shown below



At the rear of the house a grass terrace inside a retaining wall has been built up to the first floor level. This terrace may be reached directly from hall, garden room and dining room. Principal bedrooms are on this side. Broad lawns surround the entire house, and effective shrub plantings create an appropriate connecting link between the house and its site

The Gardener's Calendar for November

This Calendar of the gardener's labors is planned as a reminder for taking up all his tasks in their proper seasons. It is fitted to the climate of the Middle States, but may be made available for the whole country if, for every one hundred miles north or south, allowance is made for a difference of from five to seven days later or earlier in the time of carrying out the operations. The dates are for an average season

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
<p>☉ First Quarter, 5th day, morning, W.</p> <p>☾ Full Moon, 13th day, morning, W.</p> <p>☾ Last Quarter, 21st day, morning, E.</p> <p>● New Moon, 27th day, evening, W.</p>		<p>1. The early days of November are the last call for the transplanting of herbaceous perennials. If one wants to be sure on the safe side, firm the clumps well after watering them and, after the ground freezes, give them a mulch of dead leaves or straw for winter protection.</p>	<p>2. Unless the place where the Lily bulbs are to be planted is very thoroughly drained it will be advisable to set each bulb in a little separate bed of sand to forestall any rotting due to soggy ground and under the bulb scales. This applies to virtually all the species usually planted.</p>	<p>3. Dead leaves of the quickly decaying sorts, such as Maples, will turn into humus by spring if dug into the garden now. Spread them thickly and spade them entirely under. Any that are not so treated should be added to the general compost heap. Never burn them, for that is waste.</p>	<p>4. Nothing is to be gained by leaving the stumps of the Corn in the garden over the winter; in fact, this is one of the surest ways to perpetuate any infestation of Corn borer. It is much better to get them all out now, including the roots, and burn them when thoroughly dry.</p>	<p>5. The ideal storage place for Gladiolus bulbs is a dark, well ventilated cellar corner where the air is neither noticeably dry nor damp. A medium temperature is best in order to avoid premature growth. Let the bulbs cure for several days in the sun before storing them indoors.</p>
<p>6. Where circumstances are such as to necessitate very late planting of trees or shrubs, it is well to remember that heavy mulching will keep frost out of the ground. Thus the soil both around the stock and on the proposed site can be kept workable until December at least.</p>	<p>7. Dwarf fruit trees are ornamental as well as utilitarian, particularly for small properties. Early November is a good time to plant most of them, especially if a light mulch is applied to the roots. Apples and Pears are among the most satisfactory kinds. Cherries and Peaches also available.</p>	<p>8. The mere cutting down of trees is not enough to eliminate them entirely, as in many cases shoots will spring up from the stumps and, with some species, from undisturbed pieces of the old roots. For a thorough job, roots and all must be grubbed out in their entirety.</p>	<p>9. During heavy fall and winter rains the roots of the house foundation plantings may be injured by the discharge from leader pipes unless flat stones are placed to check the rush. The idea is to divert the flow and spread it so it will not wash the soil away.</p>	<p>10. The Hazels deserve much more attention than they usually receive from landscape planters. These shrubs make a pleasing appearance as backgrounds and edgings. Particularly to be recommended are some of the improved hybrids which have been developed recently.</p>	<p>11. Spading up new ground and letting it lie rough through the winter will decidedly improve it for next year's planting. Both physical and chemical conditions will be benefited. While turning it over, remove such strong perennials as Goldenrod and Evening Primrose.</p>	<p>12. Deciduous tree, shrub and vine pruning can begin as soon as the last leaves fall and continue until the latter part of February. In other words, while the sap is in the roots. But do not prune the spring-flowering shrubs; this should be done after blossoming, so that new buds can form.</p>
<p>13. Heavy mulching of Peonies is not desirable. Winter protection is seldom needed after the first year, and when too thick a layer is applied the result is flowerless stalks. At most, apply a light mulch of manure over the root area, but not the crowns. For this, wait until the leaves die.</p>	<p>14. Newly planted trees—even small ones—require some sort of steady support against wind and storm. Stakes or guy wires are effective for this purpose, depending on the tree size. These should be securely placed at the time of planting, and left for a year.</p>	<p>15. Unless fallen leaves, twigs and such rubbish are kept cleaned out of the drains the latter are likely to clog and freeze, thereby often resulting in destructive garden floods. A final clearing out of such places had better be done just before freezing weather sets in.</p>	<p>16. Shrubs which have been transplanted from the wild will come up much more compactly if they are cut down to the ground and thereby forced to send up new growth. Before replanting, better trim off all broken roots, cutting them cleanly with knife or pruning shears.</p>	<p>17. Sorting over the Apples and other stored fruit is advisable every few weeks in order to detect and discard any that are spoiling. Remember that otherwise rot will spread rapidly. Of course, no fruits should be stored which show any signs of incipient decay or are badly bruised.</p>	<p>18. Late fall planting of evergreens is risky. This class of plant should always be given plenty of time to re-establish its roots before the advent of really cold weather stops underground growth. Furthermore, the top growth needs to be well supplied with moisture.</p>	<p>19. Poison Ivy, that gardener's bane, is relatively harmless at this season and by many can now be handled with impunity. The surest way to banish it at this time is to grub out every root from the soil. It can also be killed with Atlaride while it is in leaf.</p>
<p>20. Winter protection of the deep pool containing hardy Waterlilies consists of a covering of boards, dead leaves and then more boards. This will keep the roots from freezing. If fish are kept in the pool, remove them to an indoor aquarium before covering. Otherwise, they might not survive.</p>	<p>21. If any outdoor bulb planting remains to be done, do not forget to apply a mulch that will exclude the frost for five or six weeks, so that proper roots can form. Otherwise, next spring's flowers will probably be unsatisfactory and the bulbs themselves suffer subsequently.</p>	<p>22. Winter house plants need particular care to help them weather the generally adverse conditions. Feeding every month with concentrated plant food will help them. There are several such stimulants on the market, easy and pleasant to apply and prompt in action.</p>	<p>23. Coldframes in which the more hardy vegetables are being grown will produce maximum results if they are covered with straw mats at night to conserve the day's accumulated warmth. Double-glazed sash is also an advantage, and don't forget the new electric heaters.</p>	<p>24. If you have planted bulbs in pots outdoors for winter bloom in the house, bring them in a few at a time for forcing. In order to keep up a continued succession of flowers, Hyacinths respond especially well to this sort of treatment, and can be had until April.</p>	<p>25. During the fall and winter months it is a common experience to have a considerable variety of woody plants damaged by rabbits which either gnaw the bark or nip off the twigs. There is only one sure remedy—surround the lot with a fence of wire netting.</p>	<p>26. A secluded fence corner facing south will make a good feeding station for the winter birds. A shelter made of piled Pine boughs will help keep the ground clear of snow. For a permanent arrangement, it is a good idea to plant a Spruce, Hemlock or perhaps a Pine.</p>
<p>27. Hilling and packing the earth well up around the Rose bushes is a protection against winter-killing, partly because it lessens the danger of water setting and freezing. It is good news that Rose producers are now working especially on more hardy varieties.</p>	<p>28. The reason that sprays sufficiently strong to kill scale on shrubs and trees can be applied only from now until March is that at any other time they would injure buds or bark. During the winter these insecticides are applied at "dormant strength" with entire safety to the growth.</p>	<p>29. House plants benefit by moist air. To secure it indoors, try setting each pot in a tray of pebbles which is kept filled with water almost to the top level of the stones. Of course, the real remedy for too dry air lies in the use of one of the modern house humidifiers.</p>	<p>30. The time to put on the perennial border mulch for the winter is when the ground first freezes a couple of inches deep. Applying it earlier means the chance of harboring destructive field mice which are still on the lookout for comfortable winter quarters.</p>	<p>First Week: Frosty and clear, good hunting weather.</p> <p>Second Week: Easterly winds and heavy rain.</p> <p>Third Week: Day after day of Indian summer.</p> <p>Fourth Week: Alternate drizzle, sun and ice.</p>		

Old Doc Lemmon, it seems, likes to have his palate tickled

"There's them that say as how Nature is a purty cruel, hard-fisted old lady an' thet she don't give much of a darn about makin' things easy an' pleasant-like for folks, I s'pose mebbe they're right in the main, but thet ain't sayin' thet Nature ain't never soft-hearted. As a matter o' fact, if ye know where an' when to look ye can git a heap o' mighty kind an' gen'rous things out'n her—an' right close to home, too. I'm thinkin' 'specially o' whut Nature grows for our stummicks' sake.

"Take the wild grapes, frinstance—they medium size blue-black ones thet clim the bushes along the back roads an' pasture fences an' git to be ripe 'bout the fust o' September. They ain't fitten to be et raw, scurcely, but pick 'em while they're still half green an' bile 'em up with plenty sugar an' they make the doggonedest best jelly thet ever come out'n a glass. Ev'ry year Elviry an' me pick a couple bushel an' cook 'em up, an' I want to tell ye thet no king never et nothin' finer—no sir, nor never smelled nothin'

quite so good as the smell thet spreads through the hull house while the big kittle full o' dark juice is simmerin' on the kitchen range.

"Them grapes is only one of a lot o' Nature's wild fruits thet can tickle a man's palate mighty pleasant-like. In August there's elderberries, an' they make a wine thet tastes like nothin' else in the world—yep, an' grand jelly, too, if ye know how to manage 'em. Blackberries, too, if ye've a mind for a diff'rent flavor in preserves or lick'er, an' two-three kinds o' blueberries out'n which ye can bake such pies as'd make Mister Delmonico hissself turn green with envy. An' wild strawberries—gol a'mighty, how good they be when Elviry stews up a painfull thet the children hev gathered an' makes 'em into leetle deppish pies sprinkled over with powdered sugar!

"When all's said an' done, though, I dunno as there's any o' them things thet's quite so good as the wild mushrooms, nor none thet give ye more fun in pickin' 'em afore breakfast of a late summer mornin'. Somehow, it comes purty

nigh to bein' a sport, for there ain't no tellin' just when an' where ye'll find 'em nor whether ye'll come home with a handful o' a peck.

"The kind o' mushrooms I'm thinkin' 'bout are them big flattish ones thet come up on the hill pastures when the August nights git cool an' damp. Plumb out in the open, most of 'em, where there ain't enough long grass to hide a grasshopper, but sometimes ye'll come across a leetle fambly in under the shumac bushes, kind o' hidin' away from the early mornin' sun. Pick 'em careful-like, stems an' all, an' don't mind the dirt an' dead grass stickin' to their tops, for all thet'll come off when they're peeled afore goin' into the skillet.

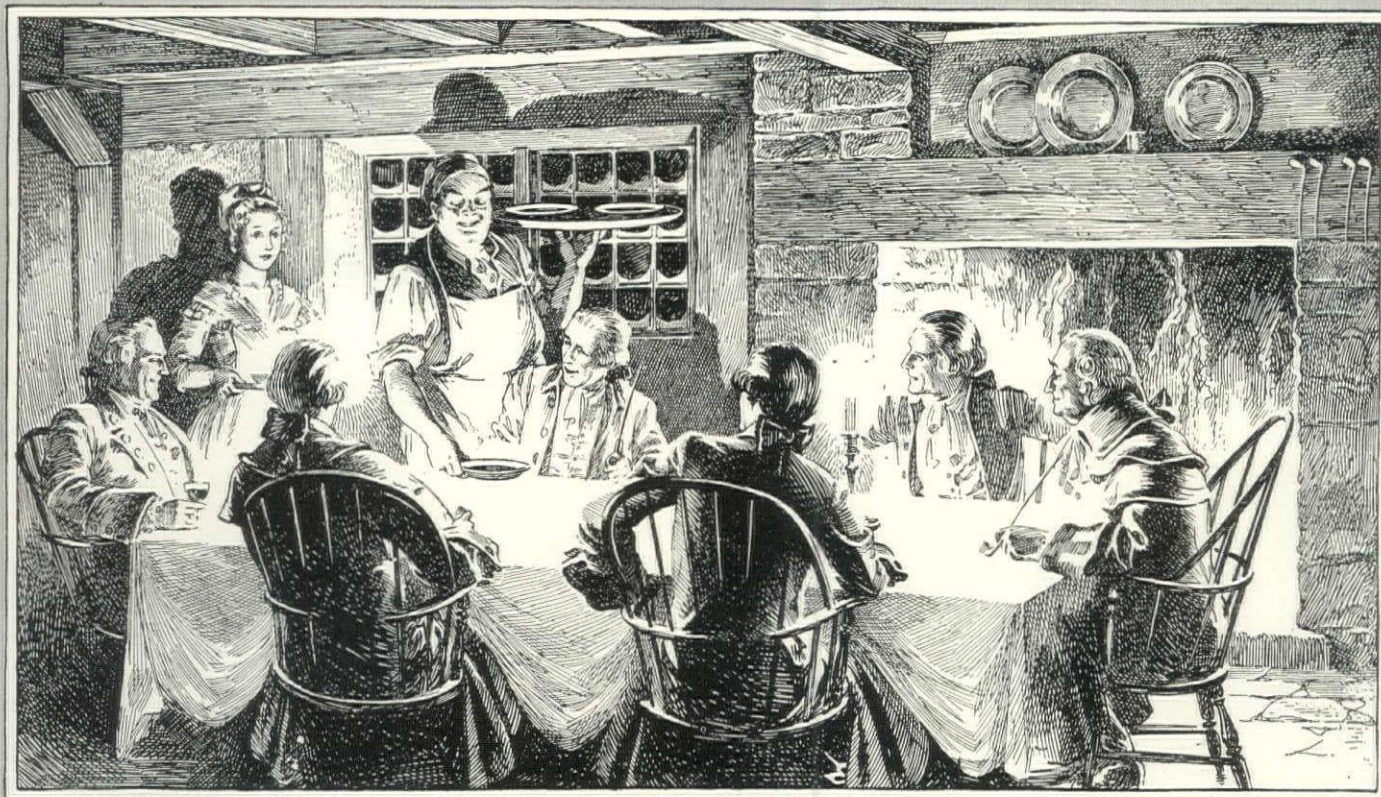
"An' then when ye git home, whut an appetite ye hev an' how good the simmerin' coffee smells in the kitchen! Fresh fried mushrooms on toast, bacon an' eggs, plenty good coffee an' a dab o' wild grape jelly to top off with—boy, I'm tellin' ye there's times when Nature treats ye mighty good!"



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*A Man's
Soup*



LOOK FOR THE
RED-AND-WHITE
LABEL

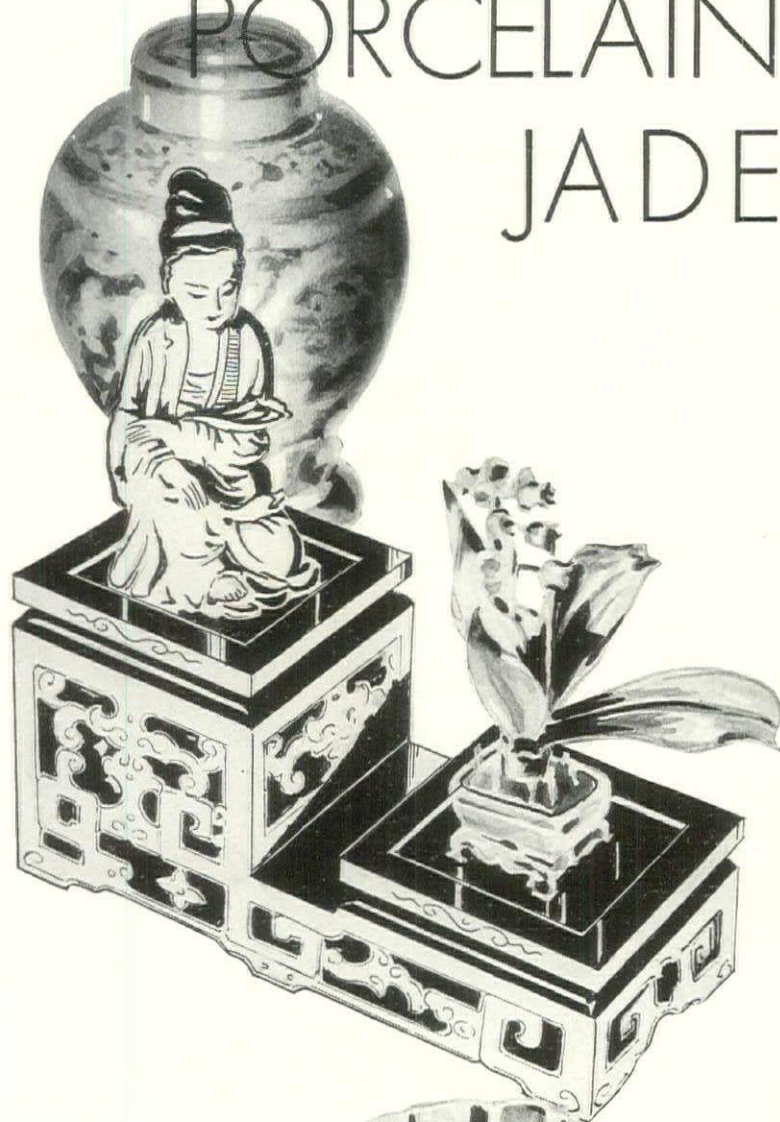


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Supper after the theatre

(CONTINUED FROM PAGE 32)

menu, so none of those heavy dishes that cause nightmares. There are two dishes that automatically pop into one's mind in connection with supper: Chicken à la King or Lobster à la Newburg, but neither is a good choice. The first is too banal and the second too indigestible. Of course, if you can absolutely count on having no dyspeptic guests, lobster in any form is delicious, and gives that party feeling. My favorite menu consists of consommé, piping hot, flavored with sherry, some hot dish like Champignons au Chester (the recipe which I acquired in the famous restaurant Lapérouse in Paris by bribing the maître d'hôtel to filch it from the chef) with fresh peas and a sweet. A fluffy concoction of eggs and almonds which my sentimental butler has named 'Island of Love' or little pots de crème au chocolat (the recipe begged from the head waiter of New York's best restaurant) make ideal sweets and a chilled chablis the perfect wine. There are different fruits and coffee, served at the table."

For a large number of guests these charming sit-down affairs are naturally impossible, but an enticing looking buffet can be almost as delightful. In this case, the guests should be permitted to wander in and out of the dining room at will, choosing what they prefer from the variety displayed. The usual array of cold meats and salads, with perhaps a mousse or that Italian favorite, raw ham (prosciutto) and melon should provide for every taste, but there must be a hot dish as pièce de résistance. Something on the order of chicken curry with the spiciness necessary to make it stand out from the rest of the dishes. In Vienna, we have seen great cauldrons filled with little sausages that can be eaten in rolls, like hot dogs, but the classic way is with the fingers, clutching a plate of mustard or grated horse radish in which to dip the sausage between bites. Not exactly delicate, but awfully good. Ice cream or, better still, an ice and little cakes

that look like candies make very appetizing desserts. The bar assumes immense importance on these occasions and should offer a choice—whiskey, beer, champagne or a champagne cup, and lemonade for the very temperate.

Large or small, sit-down or buffet, there is a glamour about these *petits soupers*, a certain something which can never be found in more prosaic meals even if they are served on gold plates. Somehow, they recall Versailles at its most brilliant, and Madame de Pompadour, who had a special weakness for eating at odd hours. In fact, they seem a part of the 18th century, that most elegant and frivolous of periods.

CHICKEN CURRY

Four People

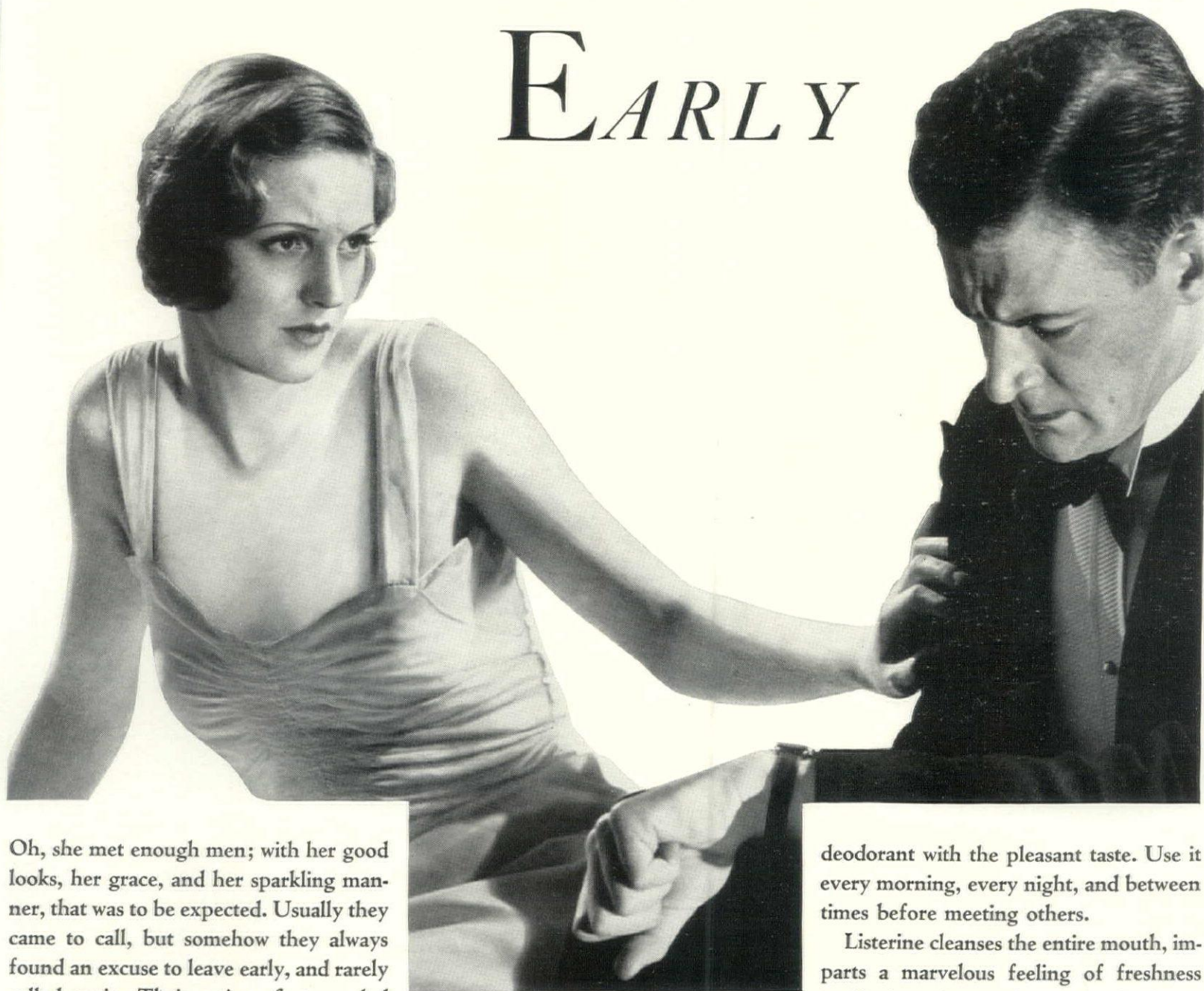
1 chicken	2 teaspoons Crosse
1 fresh cocoanut	and Blackwell
1 bouquet of celantro	curry powder
herb	Milk, butter and flour
1 large onion	necessary for
	thickening

Cook the chicken with half the meat of the freshly grated cocoanut. Chop the onion fine and fry in butter with a few sprigs of celantro herb. Add the onion to the stock of the chicken, which is then passed through a colander so that no piece of onion is left in the liquid. Add the curry powder, thicken with the milk, butter and flour and add a piece of celantro. Thin this down with the cocoanut milk and add the rest of the grated cocoanut. Pull all the meat off the chicken bones and, putting it in the sauce, allow the mixture to simmer on the stove for fifteen minutes.

Although curry can be eaten immediately after cooking, it is better to make it twenty-four hours beforehand in order to allow the flavor to seep into the chicken. Place it on the ice and re-heat before serving, with rice which has been steamed to the point of being dry enough for each grain to stand alone. Mango chutney and grated cocoanut are the classic extras to accompany this dish.

(Continued on page 64)

THEY ALL LEFT EARLY



Oh, she met enough men; with her good looks, her grace, and her sparkling manner, that was to be expected. Usually they came to call, but somehow they always found an excuse to leave early, and rarely called again. Their actions first puzzled and then hurt her. Meanwhile she was growing older . . . The summers came and the summers went . . . She fancied she knew what people were whispering—"Lyda? Oh, she's on the shelf . . ."

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Providence
TILDEN-THURBER CORPORATION
St. Louis
SCRUGGS-VANDERVOORT-BARNEY

Supper after the theatre

(CONTINUED FROM PAGE 62)

CHAMPIGNONS AU CHESTER

Six People

1 lb. mushrooms Wine glass of Port
3 oz. boiled ham Sliced York ham
2 1/4 oz. grated American cheese

Clean the mushrooms and fry them in butter for ten minutes. Make a white sauce (béchamel) to which you add the port, about 2 1/4 ounces of grated American cheese and 3 ounces of boiled ham, cut in small pieces, and a little cayenne. Place the thin slices of York ham (previously de-salted) in the bottom of a shallow baking dish and cover with the sauce to which the mushrooms have been added. Grate some cheese over the top, add a little melted butter and bake in a hot oven.

POTS DE CRÈME AU CHOCOLAT

Twelve People

1 quart boiled milk 3 oz. sugar
1/2 lb. sugar 1 cup bitter chocolate
6 eggs late

Mix the whole eggs and the sugar together; pour the hot milk over this and stir well. Add the chocolate and, very slowly, about three ounces of sugar. Fill twelve small cups with this mixture and place them in a low, double boiler till the mixture thickens. Let cool and serve.

ISLAND OF LOVE

Eight People

9 whites of eggs Yolks of 9 eggs well
beaten until stiff beaten
1/2 lb. powdered sugar Candied cherries cut
1 lemon rind in quarters
3/4 lb. ground almonds 1/2 cup of pecans
1 pint whipped cream

Mix the egg whites, powdered sugar, lemon rind, almonds and egg yolks together, and placing this in a fancy greased mould bake for three-quarters of an hour. When cool break into small pieces with a silver fork and beat the pieces lightly with the whipped cream. Add candied (not maraschino) cherries and the pecans. Leave on ice for fifteen minutes before serving.

The following menus and recipes cover foods shown in the illustrations:

SUPPER FOR TWO

The menu for the supper table illustrated on page 32 was planned and the food prepared by Beaumont, chef of the Central Park Casino.

Fruit Cup
Jambon Calcutta Canapés Gabriel*
Coffee Peach Vesuvio* Mints

*Canapés "Gabriel"

Thin slices of lobster and pâté de foie gras are arranged alternately and covered with sauce Mornay and glacé under a grille. This is served hot on rectangular piece of toast on which pâté de foie gras has been spread.

*Peach Vesuvio

Prepare peaches and diced pineapple in quantity suitable for individual portion, shape and cover with meringue. Serve in spun sugar.

SUPPER FOR TEN

The menu for the table shown on page 33 was planned and prepared by Oscar of the Waldorf-Astoria.

Oysters*
Black Bean Pot*
Smoked Salmon Anchovies
Sardines
Assortment of Cheeses
Potato Chips Olives Pickles
Fruit

*Oysters

Cover raw oysters with finely shaved celery and onion. Place strip of bacon over each oyster. Add half a teaspoonful of Worcestershire sauce. Bake in oven until done. Season to taste and serve in hot salt.

*Black Bean Pot

Use 2 quarts of spotted beans. Soak overnight in salted water. Then place in cast-iron roasting pot, first lining the receptacle with 3/4 pounds of salt pork cut in small cubes. Cover with a liquid consisting of half water and half cooking claret. A sachet of aromatic herbs, such as marjoram, thyme, laurel leaves, the flower of papayas, cloves, whole black pepper, Indian paja is added, and the black pot is then placed in a slow oven for baking. As the liquid is absorbed by the beans, add a little dry white wine which is salted for cooking purposes. When beans are cooked, add a water glass of strong coffee which is essential to cut the fatty matter. Before serving add 2 tablespoons of sharp savonarola mustard, 2 tablespoons of brown sugar and a small quantity of brandy if procurable. Bake for about 6 hours.

SUPPER FOR EIGHT

The menu for the supper table shown on page 62 was planned and prepared by Scotto—chef of the Hotel Pierre.

Consommé Viver*
Suprême de volaille Jeannette*
Poularde Rose de Mai*
Lobster Salad
Heart of Endive and Beet Salad
Religieux
Café des Gourmets

*Consommé Viver

Chicken consommé flavored with celery sauce. Take eight knobs celery, peel and clean, mince very fine, then add 1 quart of consommé, bring to a boil, cover pan tightly and allow to stand for about 1/2 hour and strain.

*Suprême de volaille Jeannette

Remove white meat from a boiled fowl. Cut in small pieces and divide in four portions. Arrange in oval shapes and cover with chaud-froid sauce. Decorate with tarragon leaves. Cover bottom of dish with a layer of aspic jelly 1/2 inch thick. Cut slices of pâté de foie gras the shape of portions and place one under each portion. Cover all with fine, half-melted chicken jelly. Before serving place the dish on ice.

*Poularde Rose de Mai

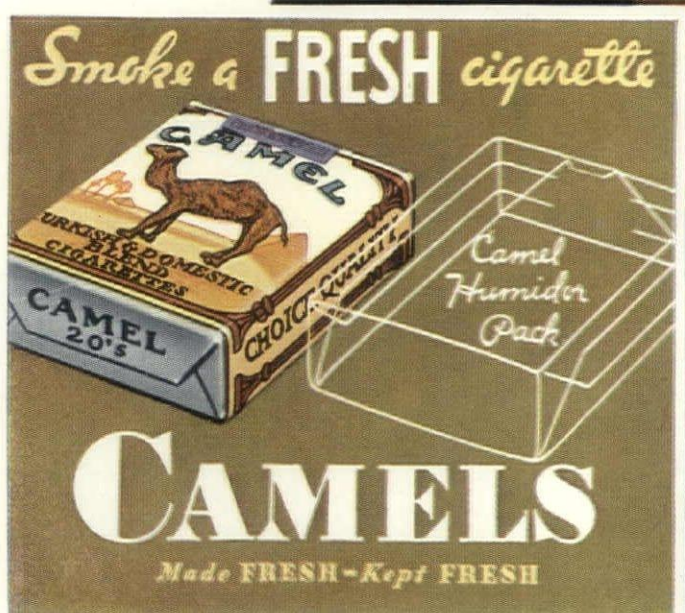
Remove white meat from the breast of a boiled pullet. Coat the carcass with a white chaud-froid sauce. Decorate and garnish with a mousse of tomatoes—arrange decoration to reconstruct form of pullet. Slice the white meat and coat with chaud-froid sauce, decorate with truffles and glaze with chicken jelly. Then place pullet on a low cushion of rice, surround with small mounds of mousse on which a slice of chaud-froid coated pullet has been set. Distribute croutons of jelly over the dish.

NEVER PARCHED • NEVER TOASTED

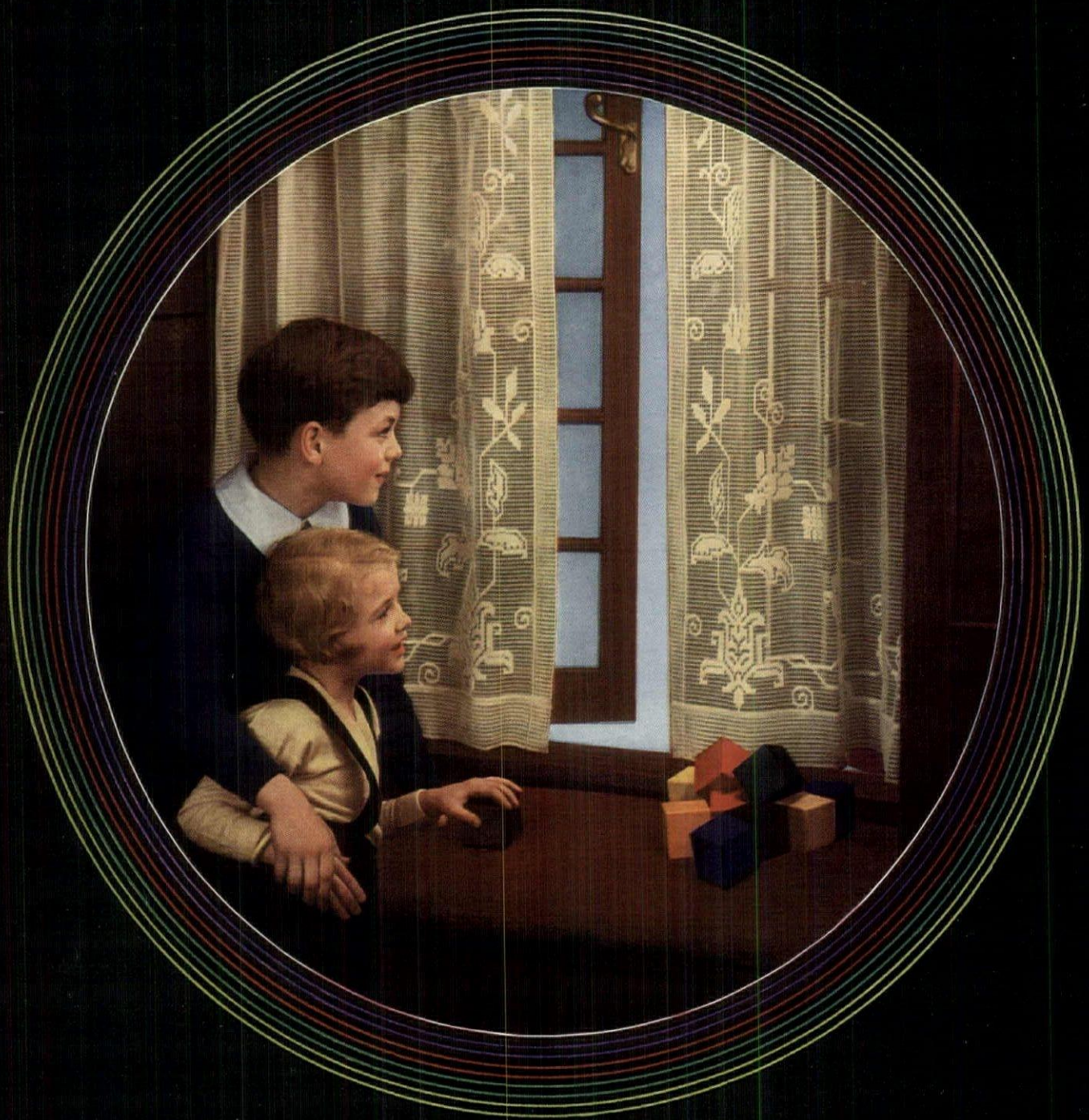
CAMELS are always FRESH!

SWITCH to Camels and learn the mildness of a fresh, cool-burning cigarette. A blend of choice Turkish and mellow, sun-ripened Domestic tobaccos, Camels are never parched or toasted. That's why we say smoke them for one day, then leave them—if you can.

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Don't remove the Camel Humidor Pack—it is protection against perfume and powder odors, dust and germs. Buy Camels by the carton for home or office. The Humidor Pack keeps Camels fresh



LET THE SUNSHINE IN ..

Through the airy meshes of net curtains, sunshine falls softly . . . cheerfully . . . healthfully. Particularly through the larger mesh of this Scranton Dubonnet fabric, whose simple border gives the decorative touch so necessary when curtains are used without overdraperies. And in the most fashionable homes it is Scranton net curtains that are found; because Scranton,

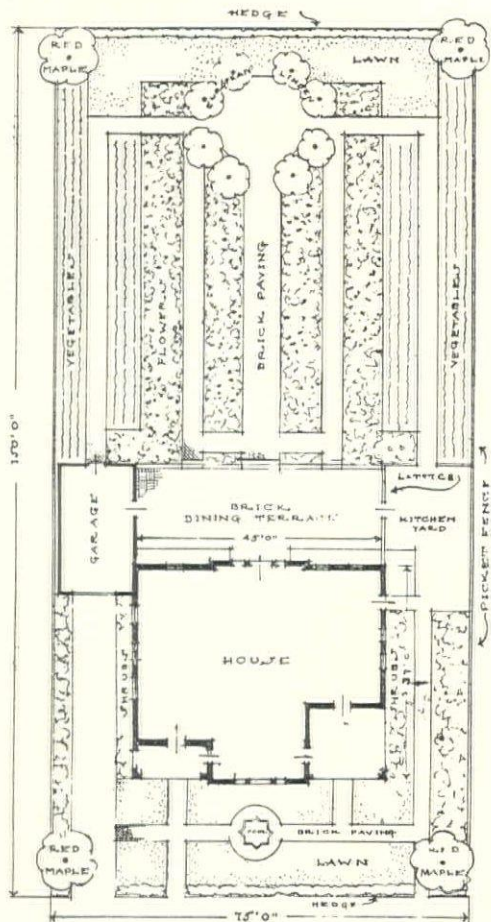
ever alert to fashion, has created plain nets and simple patterns planned to harmonize with every type of smart period decoration.

Insist on Scranton net curtains and be assured not only of fashion-right designs but of long-enduring quality and moderate prices as well.

Ask your favorite store to show you the new

SCRANTON NET CURTAINS

SCRANTON LACE COMPANY, SCRANTON, PA.



THE REAR garden consists of alternating brick paths bordered by flower and vegetable beds, with a circular "Sitting Out Place" in the rear. Mary Rutherford Jay, Landscape Architect

We complete a little house

(CONTINUED FROM PAGE 24)

MASTER BEDROOM

WALLS: Wallpaper above dado in a rope design in tones of rose, beige, rust, and fawn.

CEILING: Ivory.

WOODWORK AND DADO: Rose beige to match tone in wallpaper.

CARPET: Mist green broadloom.

CURTAINS: Gooseberry green taffeta with eggshell taffeta valance.

BEDSPREADS: Faded coral moire with egg shell tufts and cording.

DRESSING TABLE: Eggshell taffeta with coral rope and tassel trimming.

TUB CHAIR: Rose beige rep.

GUEST ROOM

WALLS: Painted astral blue.

WOODWORK: A tone darker than the walls.

CURTAINS AND BED CURTAINS: Ivory Celanese voile with burgundy ruffles and trimming.

CARPET: Blue broadloom.

BOUDOIR CHAIR: Burgundy moire with ivory welts and deep ivory bullion fringe.

DRESSING TABLE BENCH: In chintz, ivy leaf pattern.

CORNICE BOX: Over window and around bed, ivy leaf wallpaper border.

BATHROOM

WALLS: Dull crimson.

FLOOR: Black.

FIXTURES: Cream.

WOODWORK: Cream.

CURTAINS AND SHOWER CURTAINS: Cream with crimson trimming.

DECORATION: Empire design painted in cream in recess over tub.

STUDY

WALLS: Paper simulating knotty pine.

WOODWORK: Tone to match.

SOFA: In chintz, deep red ground with designs in blue-green and cream.

CURTAINS: Same.

VENETIAN BLINDS: Blue-green.

COMFORTABLE CHAIR: Green moire.

RUG: Domestic Oriental.

BACK OF BOOKCASE: Blue-green.

KITCHEN

WALLS: Bright yellow.

FIXTURES: White.

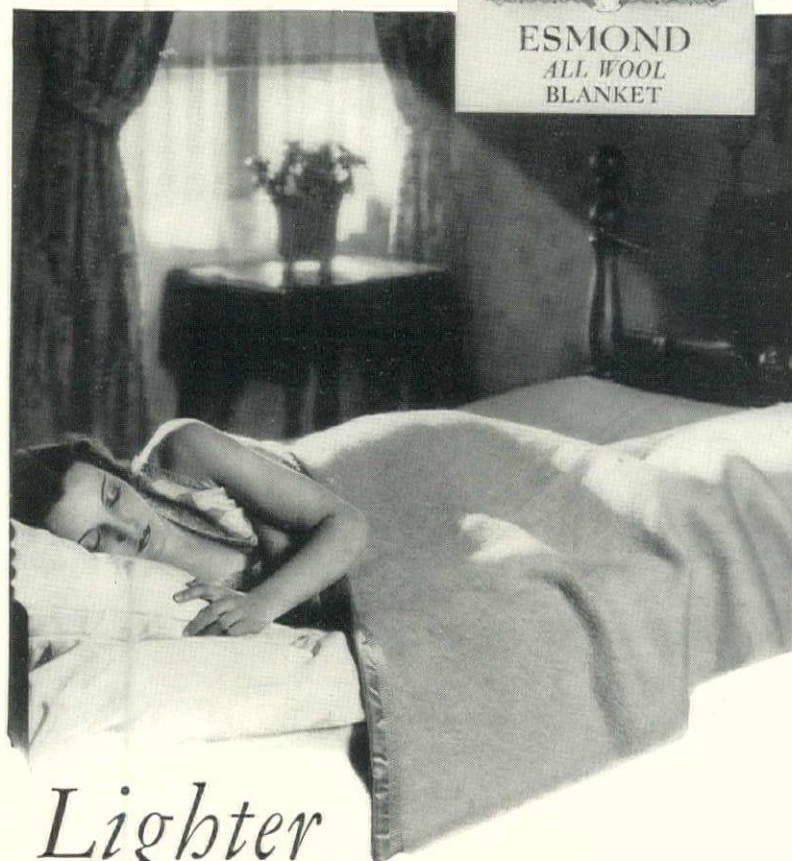
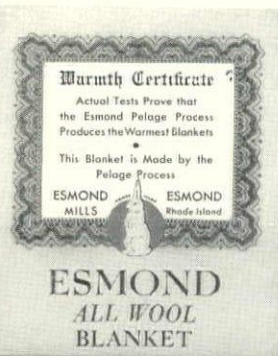
CURTAINS: Vivid blue organdy.

THE GARDEN

The garden was laid out by Mary Rutherford Jay, Landscape Architect and author of *The Garden Handbook*. Certain desirable features had to be kept in mind. It was necessary both to frame the house, tying the structure to its site, and to provide in the rear a working garden in which routine labor, such as cutting grass, will be reduced to the minimum. Therefore the garden can be considered in three parts—the foundation planting, the front yard and its boundary planting and the rear garden.

FOUNDATION PLANTING AND FRONT YARD. Thunberg's Barberry is used on (Continued on page 77)

Not only
WARMER
but



Lighter
for restful, refreshing sleep

Esmond All Wool Blankets made by the exclusive Esmond Pelage* Process have been conclusively proven, by scientific tests, to be *the warmest blankets*. The Esmond Warmth Certificate (shown above) appears on every genuine Esmond All Wool Blanket.

And with their night-long warmth goes an exquisite lightness. Esmond has shown that blankets need not be heavy! Because of this welcome lightness, you can be

completely relaxed under Esmond All Wool Blankets—can enjoy truly restful, refreshing sleep.

The Pelage Process, duplicating Nature's way of keeping furry animals warm, likewise imparts new richness and loveliness, entrancing softness.

See Esmond All Wool Blankets at all good stores. You will be delighted with their unmistakable luxury—and their reasonable prices.

**Pronounced Pay-large*

ESMOND

ALL WOOL BLANKETS

ESMOND BLANKETS & STEVENS SPREADS are products of CLARENCE WHITMAN and SONS, Inc.

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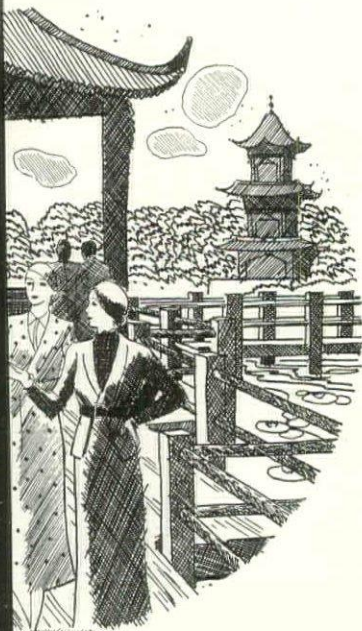
Esmond Baby Blankets are "standard equipment" for new babies everywhere

Happy Days!

In Japan, China and the gay Philippines

.. Go via the Sunshine Belt on famed President Liners

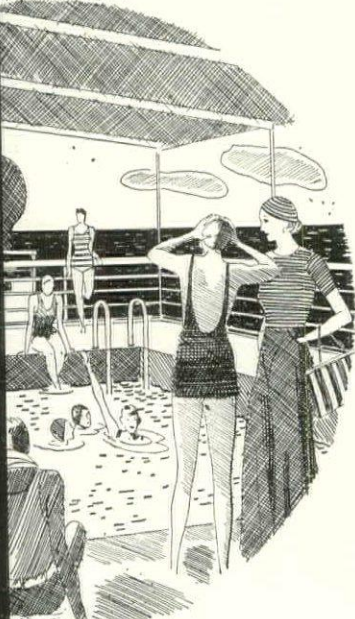
Trade old familiar winter for a thrilling trip abroad: for outdoor days in Hawaii, Japan, China, the varied Philippines; luxurious days on President Liners. All at such trivial cost that staying at home is really (even in these days) very slim economy! Your nearest travel agent will be glad to help you plan—to sail any week from New York, Los Angeles, San Francisco or Seattle.



Warm winter days in California's sun

.. Sail through the tropics via Havana and Panama

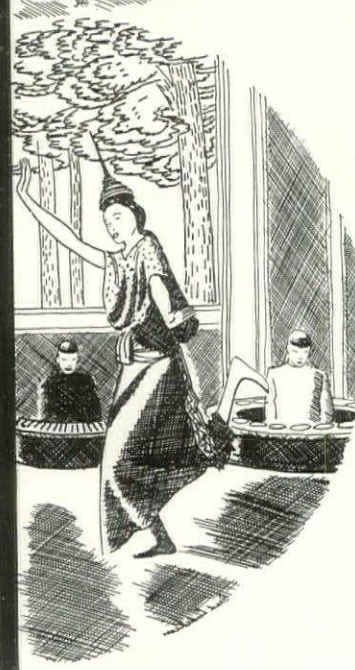
You know California in the winter time. And here is a marvelous way to go! 5500 miles of cruising through smooth, sparkling waters. 16 days of gracious living on President Liners—all with every state-room outside, outdoor swimming pools. First Class fares from \$175. Special Class (President Hoover and President Coolidge) from \$135. Stopovers in Havana or Panama Canal cities at no additional fare. Weekly sailings.



In storied places Round the World

.. Go-as-you-like. Stopover anywhere. First Class \$749

Available until December 23rd from the Pacific Coast. The greatest trip of all—26,000 miles Round the Globe at a First Class fare so low that it may never be repeated! Visit 22 ports in 14 countries—85 cities or more. Take up to six whole months, stopping over as you please, making sidetrips, continuing on another Round the World President Liner. A sailing every other week from New York, Los Angeles, San Francisco and Seattle.



Dollar Steamship Lines and American Mail Line

24 Providence St., Boston • 110 S. Dearborn St., Chicago • Union Trust Arcade, Cleveland • 514 W. 6th St., Los Angeles • 604 Fifth Ave., New York • 152 Broadway, Portland, Ore. • 311 California St., San Francisco • 338 E. Broadway, San Diego • Fourth at University, Seattle • 217 Bay Street, Toronto, Canada • 465 Howe Street, Vancouver, B.C. • 1005 Connecticut, N.W., Washington, D.C.

What's new in building and equipment

(CONTINUED FROM PAGE 46)

in bath, kitchen and laundry.

The heater comprises a coordinated boiler, burner and control, designed and manufactured as a single unit that may be easily installed and takes up little space. All rotating parts of the oil burner are mounted on one shaft, constantly lubricated under pressure by sealed-in oil supply, requiring no manual attention. In the combustion principle employed, finely divided particles of oil blown downward, meet and mix with air supply directed upward from the bottom of the combustion chamber. A diffused flame is produced, its path is down the center of the combustion chamber, mushrooming out when air is encountered, and passing up along the walls in contact with the hot refractory lining. The oil is completely burned.

The brains of the installation, located on some wall of the living quarters, consists of an electrically operated time-switch, clock and thermostat, all enclosed so as to form a single unit. Combustion is quietly started whenever temperature of the room falls below the comfort zone, in response to this automatic control.

The furnace is made by the General Electric Co. to burn low-cost domestic fuel oil cleanly and economically. Safety devices guard against every possible abnormal condition. The new furnace is suitable for application to both steam and hot water heating systems, as well as to warm air systems to which an air conditioner is added. Steam as a heating medium for warm air systems is said to eliminate the possibility of flue gas leakage into upper regions of the house.

The air conditioner can be placed at a location where heat ducts may be most easily assembled together, while the remainder of the furnace may be near the chimney. Automatically controlled, the air blower and the oil burner will start up simultaneously, to provide quick heat delivery. Humidistat maintains desired relative humidity. Basement air with dust filtered out is circulated through the house several times each hour.

ENSEMBLE CASEMENT. Single and multiple units, suited to practically every requirement, are available in an improved casement type window combining sash, screen and winter window in one assembly. Each complete unit is factory fitted, ready to install in its proper opening with a minimum of labor. All the advantages of casement window ventilation are provided, yet the window is weather-tight under severe winter conditions, making it an ideal window for use by homes equipped with air conditioning plants, gas or electric heat.

The specially designed, leak-proof master frame of pine, completely primed with aluminum paint, is suited to all types of wall construction and thickness. Glazed sash of entirely new design to provide two-point contact is factory fitted. While stiles and rails are of clear pine similar to the surrounding frame, the narrow muntin bars are formed of solid aluminum. Air-tight seal between moving sash and frame is assured by the presence of spring, phosphor bronze weatherstrips. Extension hinges that facilitate clean-

ing of the glass, underscreen operator that opens and closes the sash easily and quickly, and locking latch operating independently of the screen, comprise the hardware included.

The lifetime screen of aluminum frame with 16 mesh bronze wire, fitted to slip in place inside the sash, requires no paint, although it may be refinished to match inside trim if desired. To provide double glazing where advisable, a winter window is supplied to fit on the inside and become part of the sash. Simple in construction, the window is easy to install, with nothing to get out of order. Anderson Frame Corporation is its manufacturer.

WINDOW FURNISHINGS. Traverse drapery hardware has been developed to greatly simplify the hanging and operation of draw curtains, which may now be used on windows of every type. Draperies may be so arranged that they are pulled across by hand or by means of a cord.

Hooks of ingenious design are provided for fastening into the upper part of the curtain or drape material. These are then hung on slides, which are arranged to move smoothly along the overhead rods. The hooks are fastened into the drapes along the top edge if rods are to be left exposed to sight; if visible rods are not used, several inches below the top. To prevent curling of drapes at bottom corners and to ensure hanging with uniform folds and a straight, even hem line, a pin-on weight may be attached to the inside of the hem.

The decorative appearance of a wood cornice across the top of the window or door opening may be combined with the convenience of pole hanging in a combination pole and cornice with brackets, developed by the Kirsch Co., also makers of the traverse drapery hardware. A wide range of finishes and styles suits these combination sets to any type of house. The extension traverse rod, with its assembly of slides to carry the curtain, fits into a groove in the back of the cornice pole. The equipment is easy to erect, and no dust cap or top piece is required.

NON-CLOGGING FLUSH VALVE. Prevention of clogging in flush valves is said to be assured through a newly perfected principle in construction of valves of this type. Syphonic action, created by the flow of water when the valve is operated, washes any foreign particles which may be present in the water along through the main outlet. No obstruction to smooth mechanism can penetrate the operating mechanism of the valve itself, to put it out of commission.

Clogging of the valves in new buildings is frequently caused by sand, white lead, lamp wick, dirt and sediment lodged in piping during construction, while the presence of sulphur, lime, salts or iron in the water of old houses gradually induces similar conditions. The flush valve, a product of Hedges & Brother, will not hammer or chatter during use, and is said to thoroughly cleanse the bowl of the toilet fixture with a minimum amount of water.



I SAVED \$160
ON FUEL
LAST WINTER!



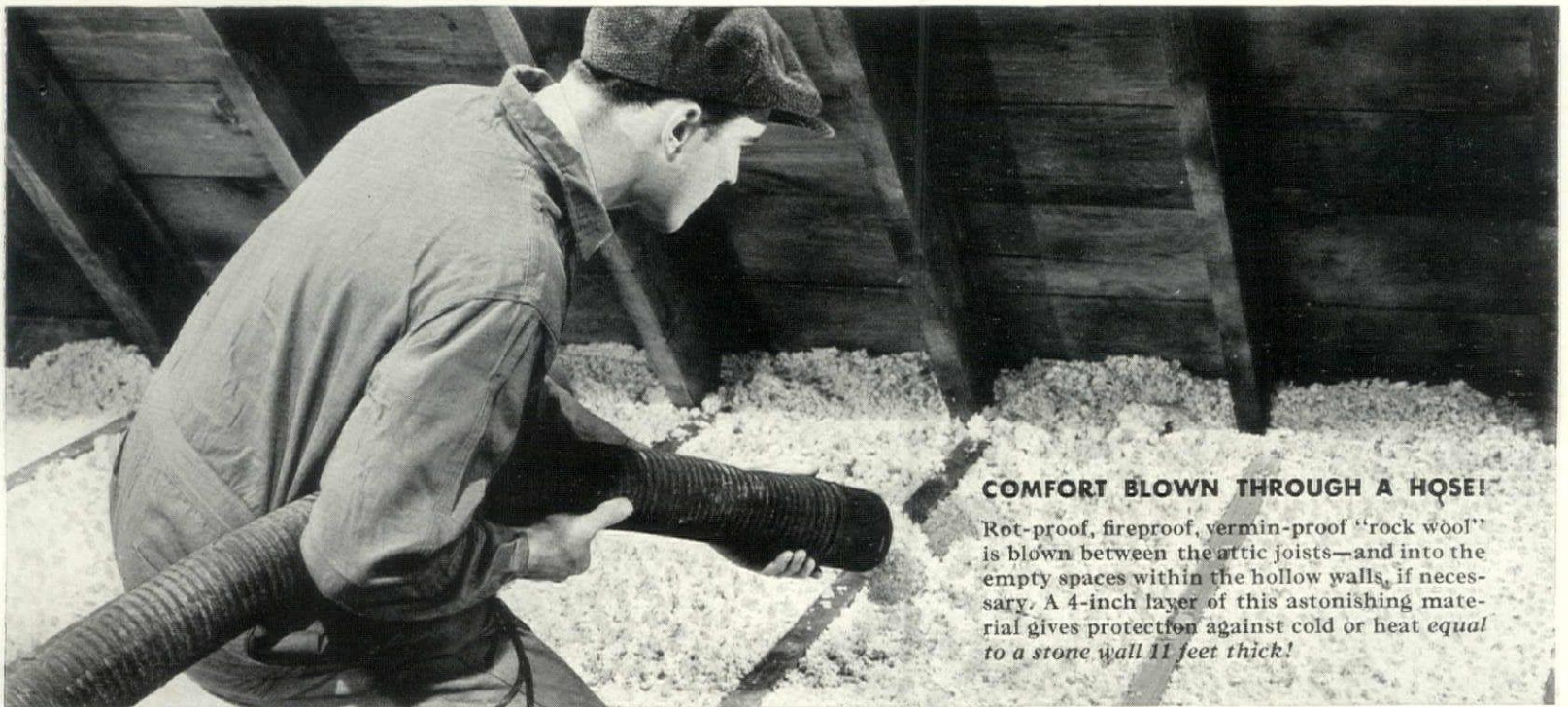
EVERY ROOM IN
MY HOUSE IS
COMFORTABLE IN
THE COLDEST WEATHER!



OUR SLEEPING
ROOMS ARE 15°
COOLER IN
SUMMER!

New Scientific Process banishes *Weather Discomfort*

Talk with one of the 20,000 Home Owners now enjoying the benefits—We'll arrange the interview



COMFORT BLOWN THROUGH A HOSE!

Rot-proof, fireproof, vermin-proof "rock wool" is blown between the attic joists—and into the empty spaces within the hollow walls, if necessary. A 4-inch layer of this astonishing material gives protection against cold or heat equal to a stone wall 11 feet thick!

You can save from 20% to 35% or more in fuel...

Your house can be made uniformly comfortable, upstairs and down—no more chilly, drafty rooms in winter—no more stifling-hot rooms in summer...

By one simple operation... in a few hours' time.

WE KNOW this is a strong statement, and we realize how many similar claims are made in advertising other products for the same purpose. What are you to believe—which should you buy?

To settle the question, we want to send you the name of one of the 20,000 home owners now enjoying the benefits of Johns-Manville Home Insulation—the name of a home owner living in your vicinity, who has no selfish interest in the matter.

Get in touch with him—write him, or telephone him, or go see him. Hear



his experience first-hand. Then decide! Could anything be fairer than that?

Home Insulation is the result of 70 years' experience in the great field of industrial insulation. It's revolutionary—yet it's exceedingly simple.

How it's Done!

A wall or roof may look substantial—but cold and heat go through it like a sieve. Johns-Manville perfected an astonishing material, "rock wool"—made from melted rock—to stop this. A 4-inch layer of rock wool is equal, in resisting heat and cold, to a stone wall 11 feet thick.

Yet rock wool—composed of fine, light fibres, like wool—is easy to handle. It is blown through a hose into the spaces between the attic joists—forming a blanket, 4 to 6 inches thick, over the rooms below.

Often this is sufficient to accomplish all the results desired. If not, the hol-

low walls of the house can easily be filled up by the same method—a 4-inch blanket around the entire house!

The whole job is done in a few hours—without alterations or disturbance. Once it's done, it's done—rock wool is permanent, fireproof, vermin-proof. There's no upkeep—and the results are amazing.

Owners of J-M insulated houses report fuel savings as high as 55%—20% to 35% is the average. They report upstairs sleeping rooms as much as 20° cooler in summer—8° to 15° cooler is the usual experience.

This job quickly pays for itself in fuel savings—you get all the other benefits as extra dividends! Time payments, if you wish.

Mail this for name and booklet

Johns-Manville
292 Madison Avenue, New York, N. Y.

Please send me the name of a home owner in my vicinity who has J-M Home Insulation—and your free booklet.

Name _____

Address _____

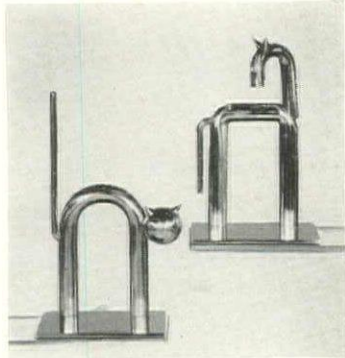
HGI-11

Johns-Manville Home Insulation

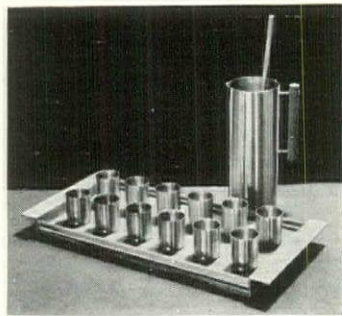
Shopping Around



So that our readers may really do their Christmas buying early, our shopper, who is an old friend of Santa Claus', has prevailed upon the old fellow to give her a preview of this year's gift show. It seems he has some pretty grand things in store. Inexpensive? Well, shop around with us and judge for yourself. Shops mentioned are Mr. Claus' agents and fill orders promptly. Mail checks or money-orders to addresses quoted



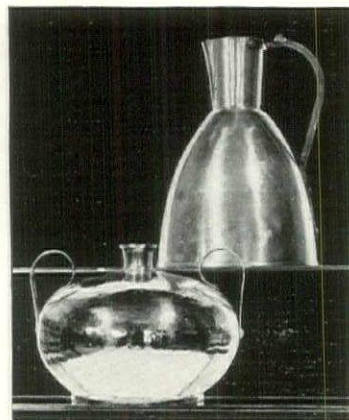
JUST wait a minute till I shed my seal-skins and I'll tell you all about my trip to Christmas-land. Shiver my timbers! It was chilly up there. Even Mrs. Claus' cat had fur mittens on and all the reindeer were wearing woolen mufflers. Arctic, that's the cat, was feeling very proud because he had been the model for a pair of smart book-ends. You can see what they look like in the picture above. The horse is a book-end too. Both can be had in brass, copper or in nickel with a black base. Each is 4 inches tall. Both cost \$4. a pair. Modernage Furniture Co., 541 East 17th Street, New York



IF YOU have broken any of your friends' cocktail glasses lately, I suggest that you make amends by slipping this good-looking cocktail service down their chimney on Christmas Eve. Incidentally, you insure yourself at the same time against future embarrassment, for the glasses are aluminum and absolutely non-breakable. Instead of the customary shaker, an aluminum pitcher with a wooden plunger is used. The tray is of unfinished wood with aluminum handles. Entire set, \$10.50. From Russel Wright, 165 E. 35th St., N. Y.

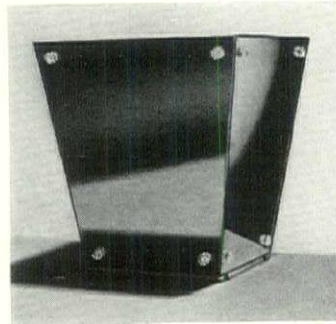


I COULDN'T get a statement from Mr. Claus on Prohibition, but he certainly has laid in a tremendous store of what he calls "Repeal" merchandise—row upon row of new cocktail glasses and stacks of shiny shakers. In this illustrious assemblage I came upon the two bottles illustrated above, and immediately saw them, in my mind's eye, tied with red ribbon to a limb of somebody's Christmas tree and all aglow with old-fashioned holiday spirits. A simple, diamond pattern is cut in a narrow band about the crystal sides which sparkle with reflected light. These decanters are 10 inches tall and each will hold over a quart of moisture. Price, \$8. A smaller size costs \$6. They can be had from William G. Street-er, 841 Madison Avenue, New York

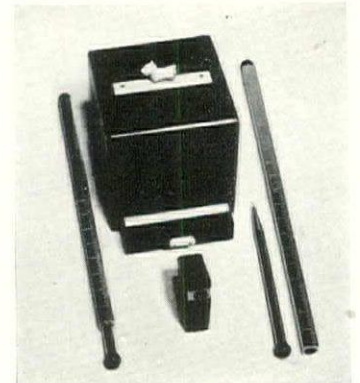
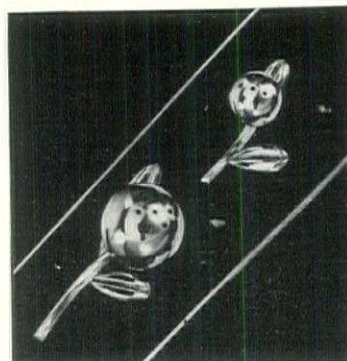


SPEAKING of liquid refreshment, the Russians have a word for it. You've heard of "vodka"—have you ever seen a vodka jug? It's the squat, two-handled, metal object above. What could be better for the decoration of a taproom? It is made of beaten brass, is 8½ inches wide and 6 inches tall. \$4.50. You might give the copper water pitcher in the same illustration to one of your more temperate friends. 11 inches tall; \$5.50. Both from A. Silverstone, 21 Allen Street, New York

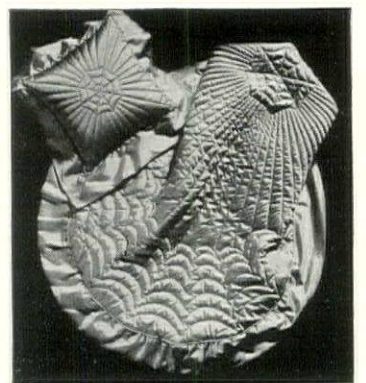
I WOULDN'T mind getting a wastebasket like this one for Christmas because I think it's a great idea to have a mirror near the floor so you can check up on the appearance of your feet. I like it, too, because, though essentially modern, it would fit nicely into almost any setting. It is 12½ inches tall with top 12 inches square. \$18. Write for this to Au Bain, 751 Madison Avenue, New York



THEY say that some Fir trees will be bearing a new kind of fruit this year. Though contrary to all the laws of horticulture, I am assured that Cherries will be found on many a gay Christmas tree—brightly shining, chromium-plated cherries like those in the illustration below. And when they are plucked from the branches—lo! and behold—they'll turn out to be salt and pepper shakers in disguise. What jolly receptacles for the flavoring that is to be sprinkled on the holiday turkey. Can you imagine a brighter idea for a party table? They are priced at \$6 a set of two and can be purchased from Rena Rosenthal, 485 Madison Avenue, N. Y.



IN RESPONSE to many complaints concerning the lack of "different" gifts for men, Mr. Claus has instituted a special department of research on new and individual masculine gadgets. I have illustrated a few of his finds above. The feature of the cigarette box in the center is a drawer at the bottom which serves a single cigarette each time it is pulled out. Miniature Scotty on lid. In black and green or black and red, \$2.25. In front of this box is a pocket pencil sharpener finished in leather, that snaps shut when not in use. Green or red, \$2. In the same group are rulers for a man's desk, of chromium, containing at either end a refillable pencil. Small size, \$5; large, \$6. All from Arden Studios, 460 Park Ave., N. Y.



IF YOU want to make a good impression on some one this Yuletide, without making a bad impression on your pocketbook, let me suggest that you give her the attractive little cushion and the coverlet illustrated above. This smart new chaise longue set is made of a lovely shimmering taffeta and the stitching is executed entirely by hand. The unusual spider web pattern in which both pieces are quilted can't help but ensnare the affections of the lucky recipient. You may order this set in any one of the pastel colors. The price is \$22.50. From Eleanor Beard, 519 Madison Avenue, New York

... Shopping Around ...



WHITE PORCELAIN TEA SERVICE FOR SIX

**\$38
POSTPAID**

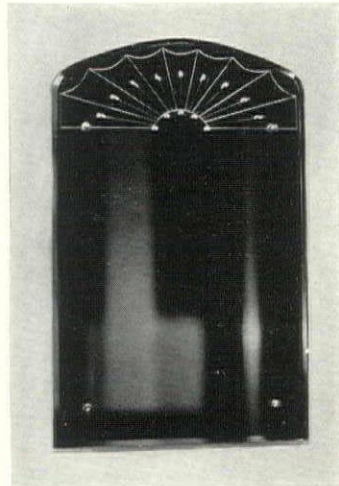
RENA ROSENTHAL

New Address:
485 MADISON AVE., NEW YORK

WHAT, I ask you, would Christmas be without candles—candles winking on the tree, candles on the festive board, candles lighting the churches? Christmas and candles being, so to speak, synonymous, I think you might give at least one pair of candlesticks this year. Therefore I selected these two which would be just the thing for the bayberry candles associated with the holiday season, with clusters of berries entwined to form the bases. Of wrought iron, each stick is 11 inches tall. \$15. a pair. To be had at the Can-Dle-Luxe Shop, 530 Madison Avenue, New York



WHEN in doubt about giving, make it a mirror and, to be perfectly sure, choose the mirror which is illustrated at the left. Here is a glass that feels at ease with any background and is equally well poised in living room or hall. Its design is very simple and, since it is executed in the classic spirit, is especially suitable for interiors of the 18th Century English type. The only decoration of this likeable gadget is the fan-shaped arrangement of fine gilt lines at the top. The measurements are 27½ by 17¾ inches. The price is \$22.60. From the Andiron Shop, 370 Lexington Ave., New York



Of course the children's gifts are the most charming part of Mr. Claus' collection. Why not give the two lamps at the right to the twins this year? The bases are wood, painted red, blue, yellow or green, and will withstand the most destructive young persons. A little boy and a little girl skip rope on the parchment shades. Each lamp is 11 inches tall and costs \$6. Childhood, Inc., 32 E. 65th Street, New York. The fish are handles on a skipping rope. Red handles on a blue or orange rope. \$1.15. Mitteldorfer Straus, 245 Fifth Ave., New York



POLKA dotted, quilted with nosegays, with dainty scalloped edges, the comforter at the left is a perfect choice for a young girl's bed. The broadcloth covering is obtainable in delectable shades of blue, peach, orchid, green, red and rust. This quilt is beautifully hand-made and filled with the softest wool. It measures 72 by 78 inches. \$9.75. McGibbon, 49 East 57th Street, N. Y.



THE proverbial coat of many colors was no gaudier than the seat of the midget chair at the right, whose rush covering is woven in brilliant red, green and white. The frame is unfinished and may be used that way in a provincial or peasant scheme or it can be painted to match the motif of the particular nursery to which you plan to donate it. The height is 22 inches—a comfortable size for a young gentleman. Price, \$3.50. From Mitteldorfer Straus, 245 Fifth Ave., New York



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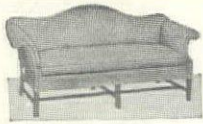
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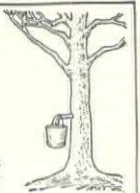
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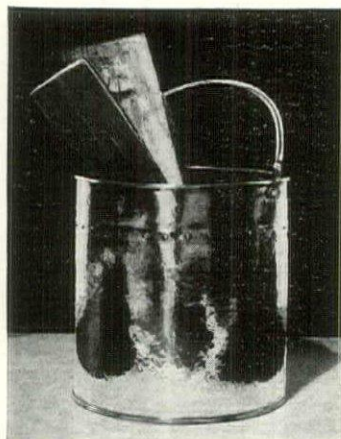
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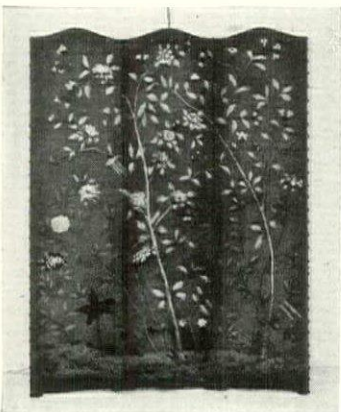
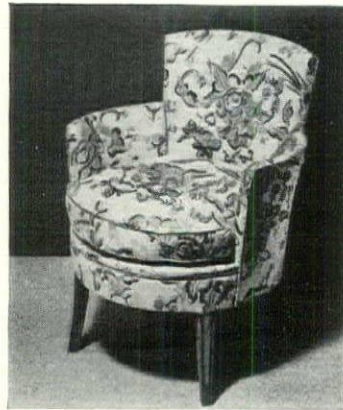
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FREE
KVP GENUINE COOKERY PARCHMENT



To help keep someone's home fires burning is a noble way to celebrate Christmas and is in the traditional spirit of the season. You'll find the fuel bucket, illustrated at the left, of assistance if you contemplate such an enterprise, for it will hold a goodly supply of wood or coal always ready beside any hearth you choose. Of hand-beaten brass it is finished at the top with a riveted band of copper. This bucket has rivets 11½ inches apart and 12 inches in diameter. The price is \$11. B. Paleschuck, 37 Allen Street, N. Y.

If you have a mother or a sister or a cousin or an aunt who's simply languishing for a new chair for her bedroom, this is the chair she craves. Small and neat, it has a rounded back and low arms that give complete and restful support. 31 inches tall, 25 inches wide and 25 inches deep. Price, in muslin, \$30. Covering to order. Write for samples of chintz, toasting colors preferred. In the illustration at the right the chair is covered with a peach-colored chintz that is patterned with a green, pink and vivid blue on a green-blue background. It is 68 inches tall and each panel is 18 inches wide. It is priced at \$150. From the Venetian Art Screen Co., 540 Madison Ave., N. Y. This shop has a fine collection of screens that range in price from \$50 up



I TRUST none of your friends have anything they must hide, but if there should be any with a guilty secret, why not help them keep it quiet with a screen like this? It will completely conceal an ugly radiator and disguise a closet door so that Sherlock Holmes himself would not suspect their existence. This superior article of camouflage is made of leather with hand-painted floral decoration carried out in rusty brown, pink and vivid blue on a green-blue background. It is 68 inches tall and each panel is 18 inches wide. It is priced at \$150. From the Venetian Art Screen Co., 540 Madison Ave., N. Y. This shop has a fine collection of screens that range in price from \$50 up

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Carefree laundries

(CONTINUED FROM PAGE 49)

Ironer Company makes five electric ironers. Among their outstanding features are the unobstructed open ends of both the heating element and the roll, making it possible to iron garments on both sides and slip them on or off either end. The machine has knee control and little exertion is required for raising or lowering the ironing roll. The smallest model is designed with a cabinet and takes up very little space. Its cost of operation is no more than that of the hand electric iron, considering the work it accomplishes.

FOUR WASHERS

The General Electric Company makes four outstanding washing machines. All the models are equipped with the "Activator," a washing device especially designed with blades that set up correct water action, causing the clothes to circulate freely through what are termed three zones of washing intensity. The de luxe model, number 9 on page 49, has a spin basket dryer which removes the maximum amount of water from the wet clothing and incidentally does away with a wringer. It is equipped with conveniently located controls, extra long waterproof cord, tub-filling hose, quick tub-emptying pump and is finished in China blue porcelain enamel.

To complete the laundry equipment this company has built an electric flatplate ironer in which thermostatic control maintains the desired ironing temperature. It is of just the right height for the operator to be seated. Illustration number 5.

The Kohler Company offers a design of the new oscillating impeller and agitating type. A swinging electric wringer completes the washing task by removing soap, water and soil from the wet clothes by compression, without injuring fabrics or breaking buttons. The tub is coated inside and out with flint-gloss, acid-resisting enamel. This machine is exceptionally economical to operate. Illustration 7.

The American Ironing Machine Company makes five models, the latest of which is the "Super Simplex" with a 30 inch roll—fully automatic, with touch control. The two open ends make ironing of wearing apparel simple. A table top can be added to this model at small additional cost, transforming the machine into a work table when not in use. The construction of their ironers makes it possible to use them for practically ninety per cent of the average family washing.

The Whirldry Corporation manufactures a combination washing machine and dry cleaner that is portable, sturdy and safe. Washing and dry cleaning are accomplished by the agitation method. With the machine an especially prepared dry cleaning fluid is supplied which is non-inflammable and non-explosive. Garments cleaned with it are odorless and dry promptly.

The Altorfer Bros. Company feature in their line today two outstanding models. The first is a wringerless washer with centrifugal dryer, so that freshly laundered clothing comes out of the machine light and fluffy. This added efficiency facilitates indoor drying during inclement weather. A second model, also of the agitator type, is

designed for apartment dwellers and washes forty pounds of clothing in an hour. This machine is dependable, quiet and can be controlled by one switch.

The new ironer of this company, illustration number 3, is mounted on a steel table and weighs only sixty-five pounds. It is fully automatic with open end and is constructed of die cast aluminum and steel tubing.

The Chamberlain Corporation makes a presser type ironer built along the lines of ironers used in commercial laundries designed to iron any garment. (No. 2) The machine is equipped with a handle for raising and lowering the heating element.

The Graybar Electric Company's four compact electric washing machines occupy a space of only twenty-five square inches. Two of the models rinse and dry mechanically while the others have reversible swinging type wringers and double drain board. A two-speed feature is exclusive with the latter, the fast speed for the average family wash, the slow for more particular things. Both agitator and wringer can be operated simultaneously. This means a great saving of time.

The wringerless washers contain a spinner basket mounted in the same tank with the agitator, both operating at the same time from one motor, and controlled by one lever. The seamless one-piece tub is easily cleaned. These washing machines are evenly balanced and sturdily built and have rubber bumpers to absorb vibration.

The models of the Nineteen Hundred Corporation are compact and take up very little space which makes them admirable for use in homes where it is necessary to wash in the kitchen. Two of them are equipped with an automatic timer which controls the time consumed in washing.

The sturdily built electric ironer made by this company sells at a popular price. It has knee, finger and pressing controls located within easy reach of the worker. The machine has been built with full open end and the heating element maintains even distribution of electricity.

FOR WASHING AND DRYING

The Laundryette Corporation has a popular model equipped with hydraulic pressure cones that flush the water thoroughly through the clothing. Washing is accomplished by up and down movement and when completed the clothes are lifted *en masse* out of the water. Through this centrifugal force they are then dried without the use of a wringer. The machines are built with a sediment chamber under the basket that contains the clothes, in which the dirt settles during the washing operation. This company also builds a model that makes it possible to soak, wash, blue, rinse and dry clothes through a patented perforated basket which can be moved above or below the water line of the machine.

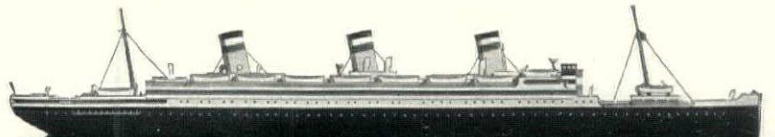
Twenty-five years ago, the Hurley Machine Company built the first "Thor" electric washing machine. The latest model, the "Golden-Bowl" washer, features an entirely new principle in drying. When the cover of the machine is closed, a compact air

(Continued on page 72)



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Carefree laundries

(CONTINUED FROM PAGE 71)

pump drives air into the space between the lid and the heavy diaphragm of the machine, which is thus expanded, exerts a pressure of a great many thousand pounds on the clothes, removing every trace of water. A whistle automatically signals when the water has been entirely extracted. The water from an entire tubful of clothes is removed in eighty-five seconds.

This firm makes six outstanding electric ironers, as well as a combination washer and ironer—illustration number 10. The latter is so designed that when washing is finished, the wringer on the washing machine may be removed and the ironing roll put in its place.

MORE NEW DEVICES

The new features of the Maytag Company's washing machines include a gravity drain for removing the water, which cannot get out of order, an automobile type of shift lever that starts or stops the washing action while the motor is running, and an agitator which introduces faster, safer and a more thorough method of cleaning. The sediment zone that prevents dirt from being washed back into clean clothing, a patented wringer control and a rubber-mounted motor which eliminates vibration and noise are also recent improvements.

The Apex Electrical Manufacturing Company make seven outstanding electric washing machines for use in large homes and apartments which are of the agitator type and equipped with or without wringers. A portable model only seventeen inches high and seventeen inches in diameter can be used for both washing and dry cleaning. The wringerless models have an extractor basket which dries the clothes by centrifugal force. These models also feature an automatic sterilizing rinse which drives hot, warm or cold water through the clothes with great force.

This firm manufactures a compact electric ironer which when folded upright occupies only eighteen by twenty-two inches of floor space. This well-balanced and portable machine has a knee control of soft rubber padding, leaving the hands of the operator free for ironing.

The Black and Decker Manufacturing Company have a bubble action vacuum type washing machine in which no moving parts come in contact with the clothes, thus eliminating any possibility of wear and tear on them. The thirteen gallon tub is of copper. It will do an average family's washing for five or six people and, owing to its light weight of twenty-five pounds, it can be carried around to any desired spot in laundry or kitchen.

The Savage Arms Corporation especially features a combination spin-rinse, spin-dry washing machine, which boasts faster washing action and a new scrubber spinner which forces soap and water through soiled clothing without injury. The spin rinse consists of directing a spray of hot water on the rapidly spinning clothes, flushing out all the soap and impurities left after washing.

This firm has designed a very efficient electric ironer (illustration number 4) with twenty-six inch roll con-

trolled by two switches at the front of the machine for operation with the right hand. Its most unique feature is the guide board control—a bar covering the entire front of the roll and making it possible to guide the heating element over the clothing by a slight downward pressure upon it. The machine is equipped with a vitreous enamel table top nineteen by thirty-seven inches. A pressing lever which stops the roll from revolving enables the operator to smooth out garments on the roll by moving it by hand.

The Brammer Washing Machine Company makes an agitator washer, porcelain-lined, designed for a six sheet capacity. The controls for operation are centralized near the wringer. This company also has an ironing attachment that can be mounted on the wringer post for ironing flat pieces.

The Voss Brothers Manufacturing Company manufacture a machine with a floating agitator which exactly duplicates hand washing action. It is designed for greatest convenience and of exactly the right height. Its simple mechanism of four moving parts is quiet and durable.

SIX MODERN MODELS

An exclusive feature of the six models built by the Meadows Manufacturing Company is the different washing speed which has been designed for every type of fabric. A compact junior model has been made to fit under the kitchen table and is equipped with a wringer which may be placed vertically over the tub.

This company also offers two electric ironing machines of the presser type. In the more expensive and elaborate type the garment being ironed moves automatically. In the cheaper model the garment is moved by the operator's hands. The time devoted to ironing is cut about seventy-five per cent. No skill or special practice is required.

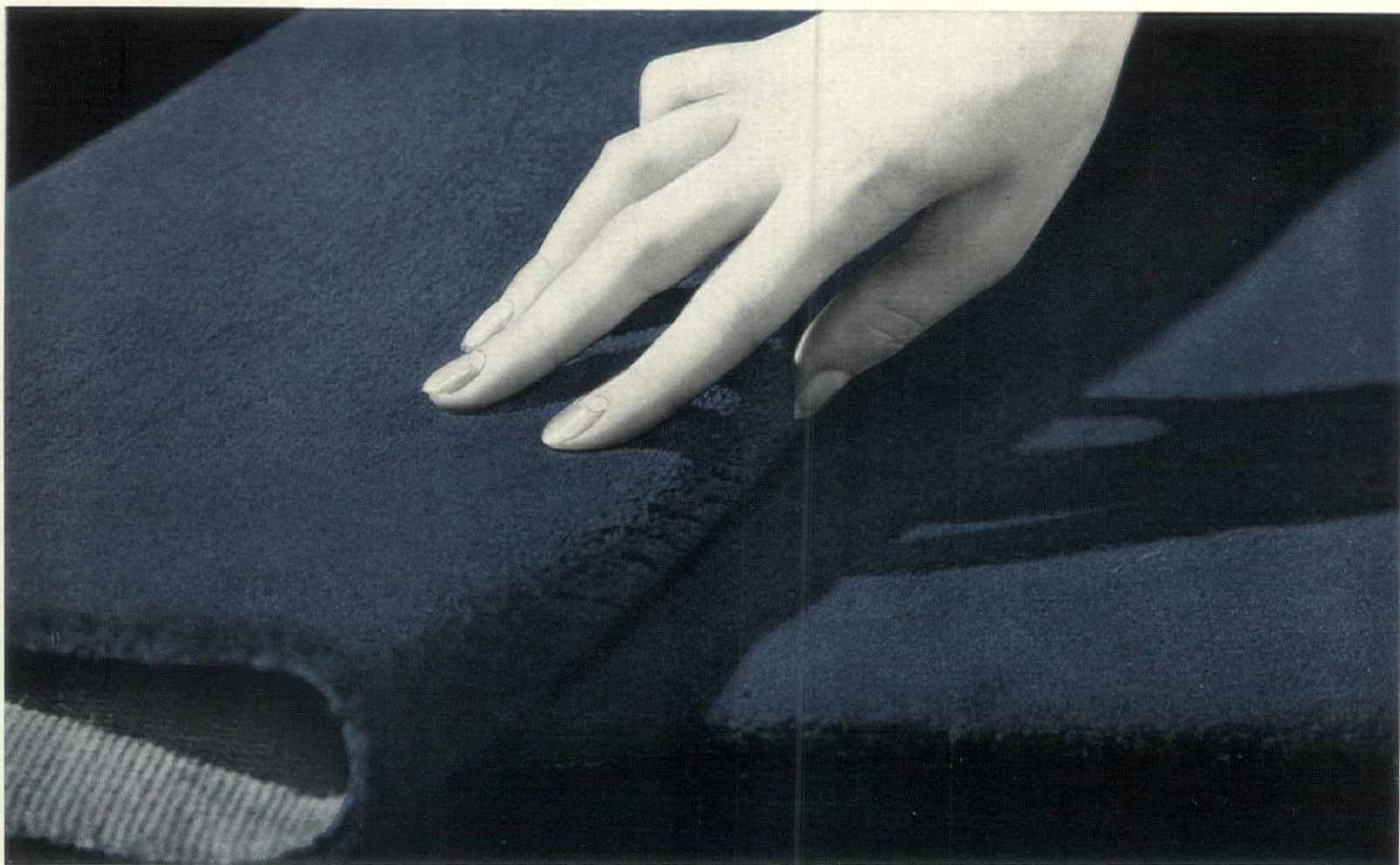
The Birtman Electric Company make four agitator washing machines. All are provided with soft balloon type wringers that are guaranteed not to break buttons. Controls for moving parts are located on the wringer post within easy reach of the operator.

It is interesting to note that the first mechanical clothes washer in America was built sixty-one years ago by the Horton Manufacturing Company. Today the Horton engineers have designed three models of washing machines in different price classes and sizes. One of the features is the sealed mechanism. The tub is enameled inside and out and has a self-draining bottom with positive shut-off drain cock. This machine is of the well proved agitator type.

This firm also manufactures several automatic irons, one of which is a console type especially designed for use in apartments or small homes not having a laundry.

The Dexter Company make a double tub machine of the agitator type which makes it possible to give one piece of clothing two successive suds. The wringer is built between the tubs and after washing in the first one they are run into the second.

The Haag Bros. Company feature six electric machines especially built
(Continued on page 73)



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Here is a Claridge Carpet color that enters effectively into a beautiful bedroom plan. This soft blue harmonizes with almost any of the pastel shades so smart just now in decoration. Pink, for example, shading into a deep rose in the small-patterned wall covering and the hangings.

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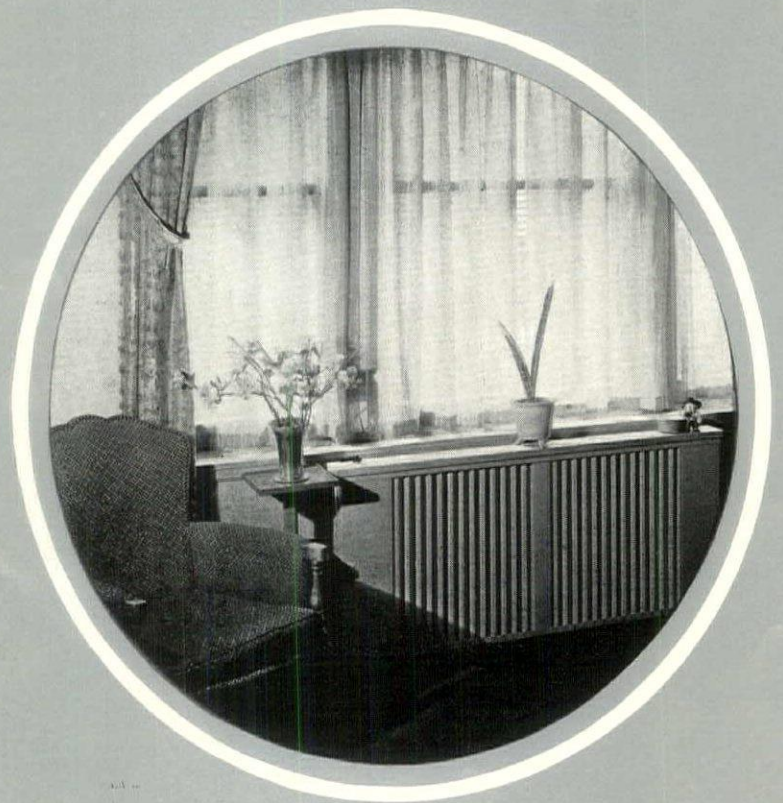
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40 WEST 40th ST., NEW YORK, N. Y.



Carefree laundries

(CONTINUED FROM PAGE 72)

for the modern home laundry. They are of the agitator type and all models have wringers equipped with quick safety release. The single or double tub types made by this company are available in aluminum or porcelain. One example is number 6 on page 49.

Of the three electric models developed by the Blackstone Manufacturing Company two have a motor-driven water pump operated by a convenient lever which empties the water completely. Another important feature is the vibration dampener which absorbs all the vibration and hum of the motor.

The Conlon Corporation make a machine with a double tub construction. The outer tub is of steel, the inner of porcelain, this arrangement keeping the water hot forty percent longer. Their patented four vane agitator cleanses a pound of clothes a minute at high speed.

The ironer this company manufactures has a patented table top so designed that when the machine is not in use it can serve as a table in either laundry or kitchen. This ironer is built to iron, press or steam clothing.

The Vulcan Manufacturing Company have produced a de luxe electric model of the agitator type. The wringer is unusually substantial due to the

fact that it is of cast material. One of the most convenient features is the clutch on top of the agitator designed for starting and stopping the machine.



Two of the exclusive features of the machines made by the Boss Washing Machine Company include a "flusher" built like a perforated hose nozzle which penetrates soiled clothing through high pressure streams of water, and the "Safety-Bar Wringer" with a release in front of the rolls and on each side. Tubs are of high luster porcelain which cleans easily.

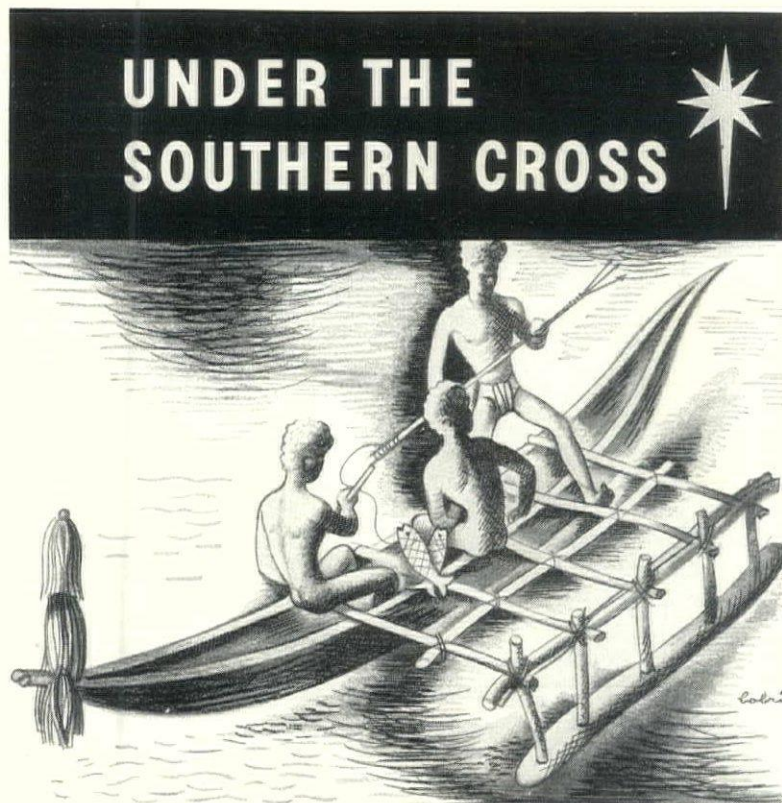
The Getz Power Washer Company make a line of laundry machines with patented agitators of a design that eliminates wear and tear on clothing. All models are equipped with vitreous enamel tubs and pressed steel wringers with instant safety releases. They are sturdily built and low in price.

The ironer built by this firm is famed on account of its simple control and convenient working height. The machine instantly is converted into a presser ready to press anything from children's clothing to men's suits and overcoats by merely pulling out a handy control button. It occupies eighteen inches by thirty-three inches of floor space and is equipped with a rubberized dust-proof cover.

Know the style of your house

(CONTINUED FROM PAGE 53)

CALIFORNIA SPANISH	
MATERIALS	Brick and stone though usually stucco on brick in adobe adaptation
WALLS AND PLANS	Plans schemed for outdoor living rooms, patio, etc. Many rooms being placed on one floor, there are consequently long, low buildings
ROOFS	Flat or low pitched roofs, tile covered 
GABLES DORMERS ATTICS	Very few dormers or gables because of the low sweeping roof. Any to be found are very small
CHIMNEYS	Straight, frequently topped with a pitched and tiled hood
WINDOWS	Long windows—frequently to the floor—opening outward as in Mediterranean buildings. Frequently windows have grilles and balconies
DOORWAYS	Often in a bay with gabled top, combining lintel and arch. The door also in line frequently combines these forms 
DETAILS	Twisted columns, segmental pediments balconies, grilles, awnings freely used
CHARACTERISTICS	A combination of Spanish designs with the thought of adobe uppermost



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Westward from New York,

Jan. 7 next ... from Los Angeles, Jan. 21. Rates: \$2000. up, including complete program of de luxe shore excursions; or \$1500. up, without shore excursions but with all other features unchanged.

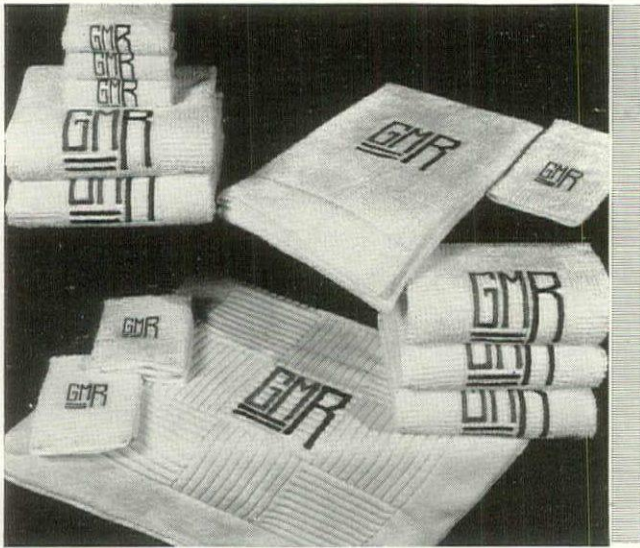
ITINERARY
 Jamaica ... Panama Canal ... Los Angeles ... Hawaii ... South Sea Isles ... New Zealand ... Australia ... New Guinea ... Lesser Sunda Islands ... Bali ... Java ... Singapore ... Ceylon ... Seychelle Islands ... East and South Africa ... South America ... Barbados ... returning to New York May 25.

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The purpose of our organization is to disseminate this knowledge and also to do what we can for the sufferers from cancer in its later stages.

We have helped many, but even more are in need of help.

We cannot continue our work unless you come to our rescue.

Will you send for our package labels and use them not only on your Christmas packages but also on all your packages? They cost one dollar.

We shall be most grateful.

NEW YORK CITY CANCER COMMITTEE

American Society for the Control of Cancer
34 East 75th Street, New York

Growing rhododendrons for effects

(CONTINUED FROM PAGE 36)

may be lacking elsewhere and also because under the trees there is a natural mulch which preserves the moisture.

Even if you have ideal Rhododendron soil available, it must be well prepared—spaded two to two and a half feet deep. If there is any hardpan, it must be broken thoroughly, not only to provide perfect drainage, which is very essential, but also to improve the capillary action of the soil. For large plantations I recommend dynamiting the subsoil.

If you do not intend to plant your Rhododendrons until the spring, you will do well to prepare your soil before the winter. The subsequent frost will do a great deal of work for you, pulverizing the soil much better than ever can be done by man-power.

A great deal of work must be done to prepare the soil if it contains lime in considerable quantity. The bed must be spaded two and a half feet deep and the hardpan or hard subsoil thoroughly broken. While spading, throw out one and a half feet of subsoil and cart it away. This leaves the surface of the bed 18" below the original surface, which space must be filled with acid soil. Perhaps the latter is available in your neighborhood; if not, it can be bought from firms who make it their business to supply such material. It is obvious that you should not plant near the edge of the prepared bed, as the rain, percolating through the surrounding lime-containing soil, will make the borders of your Rhododendron bed alkaline.

All soils will improve materially by the addition of a liberal share of imported peatmoss which is now used in very large quantities in this country. Not only does this add acidity to the soil, but it increases the physical moisture-holding quality.

My experience has taught me that Rhododendrons are thankful for manure. In Holland nurseries even fresh cow manure is used in very large quantities for growing Rhododendrons and the healthy, glossy green foliage and the quantity of flower buds show how well the manure agrees with them. In this country I have grown Rhododendrons very successfully on soil well enriched with rotted horse manure, and splendid Rhododendrons are grown in this country by a firm which has its nurseries in a section with dairy farms. The cow manure is responsible.

PREPARING COMPOST

An ideal compost for Rhododendrons can be prepared as follows: Get as many bales of peatmoss as you think you will use in the fall. Loosen the bales and spread the peat in a layer about one foot deep, four feet wide and as many feet long as you think you will need. On top of the peatmoss put a layer of cow manure or rotted horse manure a foot deep, and on top of this manure two feet of soil; if your soil is neutral take more peatmoss and less soil. Mix this heap thoroughly once or twice during the winter, while it is freezing, and you will have a most wonderful compost to use as topsoil for your Rhododendrons. There should

always be such a heap somewhere in your back garden; it is useful for all purposes.

Lately, experiments have been made to provide acidity by treating the soil with aluminum sulphate. These experiments have not yet led to all-around satisfactory results; my personal experience in using aluminum sulphate in connection with young Rhododendron seedlings is none of the best.

I have more confidence in the use of tannic acid, an acid of vegetable origin which is now manufactured specially to counteract alkalinity caused by lime. Tannic acid has the great advantage that an overdose will not hurt the plants. I have seen very gratifying testimonials written by lovers of Rhododendrons who have used it, but have no personal experience myself.

AS TO WATERING

Before setting out the Rhododendrons on the bed, give the balls of earth a thorough soaking in water even if the plants do not appear to be dry. In order to set out the plants correctly you must know the color of the different varieties and also the habits of the plants. Better ask your nurseryman to label each plant with color and whether it is a tall or medium grower or belongs to the low-growing kinds.

Rhododendrons must not be planted deep; the balls of earth should not be covered more than about two inches, but you must remember that the newly prepared beds will shrink. They should be planted close enough together to shade each other; after a couple of years, take out every other plant and you will have splendid material to enlarge the size of the original group or to plant a new group. Fill the holes, made by digging, preferably with soil from the compost heap.

You should use boards to walk on while you are preparing for planting, setting out the plants, etc., to keep the soil from packing. And do not pack it too tightly around the plants; neither water nor oxygen, for which the roots are looking day and night, can penetrate tightly packed soil.

Rhododendrons are surface feeders; they form a net of fine fibrous roots near the surface of the soil while the lower roots seldom go deeper than eighteen inches. In their natural surroundings they will even make roots above the ground, which, not being able to develop, form a knob-like swelling.

The ideal place to plant Rhododendrons is where they will be protected from strong, high winds as at the edge of a wood, but far enough from the trees so as not to be damaged by the latter's roots. Do not plant them too close to the house where they will suffer from the hot sun reflecting from the wall. Avoid low spots, for late frosts often damage the young growth and it is in low spots that late frosts do the most damage.

Rhododendrons can be planted practically any time of the year except when the ground is frozen and during the time that the young growth develops; it is advisable not to plant later than the middle of September

(Continued on page 75)

FENCE GARDENS *A new vogue*

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Growing rhododendrons for effects

(CONTINUED FROM PAGE 74)

in the Eastern States; there must be time for the plants to make new roots before the frost sets in.

You will be surprised how quickly they will make new roots in the fresh soil. The best time to do this transplanting is the latter part of August.

Early in the spring half of the number of branches must be cut about half way. Do not hesitate to cut through even one-inch-thick branches; you soon will see growing eyes develop on the old wood and later young growth. The next spring the balance of the branches must be cut and the young growth thinned out, leaving only the healthiest shoots. By following these instructions carefully you will make new plants from old ones.

MULCHING

The ground where Rhododendrons are growing in their natural habitat, under trees, is covered every autumn with the falling foliage, providing a mulch which is every year renewed. We can provide such a mulch by covering the ground with a layer about 4" thick, of Oak leaves, Pine needles, shredded Cornstalks, old rotted manure or peatmoss—which is the easiest after all to procure.

After Rhododendrons are well planted and well mulched, they require very little care. If the plants are thickly set with flower buds, break out some of them. Leave about one flowerbud to one square foot and see how this one bud will bring forth a beautiful truss! The other shoots, relieved of the task of flowering, will make healthy growth and such healthy shoots will provide flower buds for next season. The best time to break out the buds is when they begin to swell, before they show color; in any event before the flower opens.

After Rhododendrons are through flowering, the skeletons—what remains of the flowers after they are wilted—must be removed. By making a little incision with a small sharp knife at the base of the skeleton, you can break it out without in the least hurting the young shoots which at that time may appear at the base of the old flower stem. Never allow the plants to make seeds; branches which carry seeds this year produce only very weak growth next year, if any.

Rhododendrons need a deluge of water in late fall in order to prepare them for the hardships of winter. If the summer and fall have been dry, let the hose run for an hour every day until you know that the soil is saturated with water; dig a hole between the plants to make sure. The abundance of water will swell the cells of the plants and prepare the foliage to stand the hot sun in February and March when often the ground is still frozen and when consequently the sap movement is very slow.

Observe the foliage of Rhododendrons on a day when there is a hard frost. The leaves do not stand out as they ordinarily do; they curl around the main rib instead of being extended. The plant now exposes a smaller surface to the sun and thus limits the evaporation greatly. If it goes through this process unprepared, it may suffer

severely. It will meet conditions bravely if, through fall watering, it is in a condition to take care of itself.

I have many times been asked what disease is responsible for the black blotches which are often seen on the leaves of Rhododendrons. These blotches are not caused by a disease; the wind, which beats the young undeveloped leaves against each other, is the culprit.

Such places, however, and other bruises or cracks in the leaves, are liable to become infected with the spores of a fungus disease called Pestalozzia. If infected by this disease, brown spots appear which grow larger and larger; they change color after some time and form concentric silver rings. Gradually the upper surface of the leaf detaches itself and turns white.

Knowing that this disease will attack the leaves which have been bruised or cracked, it is of the highest importance to handle Rhododendrons carefully. Never grasp them by the foliage when digging or packing or planting; always handle them by the stem.

It is surprising that Rhododendrons are not more attacked by insects than they are, for they offer such marvelous shelter. The Rhododendron Lace Bug, however, attacks the lower leaf surface where it sucks the sap from the leaves. It shows its presence by yellowish and light green spots on the upper leaf surface; these spots remain, but in the autumn the insects cannot be found. They disappear after they have laid their eggs, usually along the midrib of the leaf, which causes a slight swelling. If we break the leaf lengthwise where this swelling occurs, we find a row of shining, glass-like eggs.

In May small wingless insects appear which get their lace-like wings, bright as glass, about three weeks later. Before these fascinating wings develop, however, the plants must be sprayed. Whale-oil soap, six pounds to fifty gallons of water, will kill the lace bug; so will any other commercial contact spray. Two things, however, you must bear in mind: you must spray the underside of the leaves with a forceful spray so that the insecticide really comes in contact with the insects; and you must spray before the females get their wings. Turn over a leaf every now and then and see how far they are developed. The spraying must be repeated at least every three weeks, in the North until the middle of September.

Another effective way to exterminate lace bugs is to pick the infested leaves, which can be easily recognized by the discoloration; while you are picking these leaves, also pick the leaves showing Pestalozzia and burn them.

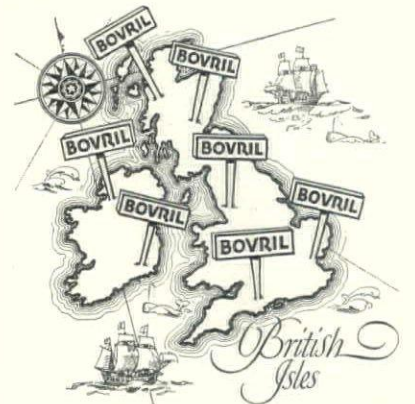
OTHER PESTS

Thrips and Red Spider are two more insects which do damage to Rhododendrons, sucking the sap from the leaves. The same spray used for lace bug will kill them.

A more serious insect is the Cranberry root worm, which hibernates in the soil in its grub stage. About the middle of June the beetles appear—

(Continued on page 76)

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THE FAMOUS BRITISH
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without seeing the multitudinous signs of Bovril, on the hoardings, on the buses, at the railway stations.

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Enclosed find 50 cents . . . Mark with X
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SPRING

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100 DARWIN TULIPS \$3.50

Choicest, first size bulbs, sure to bloom. Schling's special mixture of ten of the finest named varieties—not the ordinary mixture usually sold.

A \$7.00 value for only \$3.50 or, if you prefer, 50 bulbs for \$2.00

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- 100 Darwin Tulips—in 10 named varieties. Immense flowers, May and June . . . \$4.00
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- 24 Rock Garden Lilies—6 each 4 varieties (a \$7.00 value) . . . 3.50

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500 Heralds \$12.00
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- 100 Crocus—in 5 named varieties . . . \$3.00
- 100 Scilla Sibirica (Blue Squills) . . . 2.75
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Schling's Bulbs

MAX SCHLING SEEDSMEN, Inc.
Madison Ave. at 59th St., New York City

Growing rhododendrons for effects

(CONTINUED FROM PAGE 75)

shining, mahogany-brown fellows, about one-fourth of an inch long. They riddle the leaves of the young shoots, but do not touch the fully developed leaves. They are night feeders; armed with a flashlight, you can pick them from the plants at night. The best way is to spray with arsenate of lead—three pounds of paste or one and a half pounds of powder to fifty gallons of water. Spray every week until the foliage is fully developed.

The series of insects would not be complete without a borer, and sure enough there is one! The adult is a clear-winged moth somewhat resembling a wasp in color, marking and flight; it appears in June and deposits its eggs on trunk, branches and twigs. The larva forms irregular galleries in the sapwood and winters within a gallery; it transforms to a pupa in May and later issues a moth. The presence of the borer is indicated by wilting shoots; pick them off and burn them as soon as they are discovered.

Named varieties of Rhododendron are grown from grafts, layers or cuttings; the plants grown from cuttings are very slow growers. Lately, Rhododendron hybrids are grown from seeds, collected from hardy, high colored kinds; these seedlings usually greatly vary in color and habit. As far as my experience goes I have found that they are slow growers and they are not dependably hardy for use in the Eastern States and the middle West. It is more satisfactory to use plants which have been propagated vegetatively.

The following list mentions a few desirable varieties. Those marked with an asterisk can be used only in the South and in the Pacific Coast region. Amphion, *catawbiense*, *grandiflorum* and *everestianum*, hardy varieties, are also desirable in that section on account of color and habit.

All the varieties are obtainable in the United States.

LIST OF DESIRABLE VARIETIES

The letter following the name indicates the way they grow.

H. high, M. medium, L. low.

WHITE

Album elegans, H. White with yellow spots, blush when opening.

Catawbiense album, M. Pure white.
**Madame Carvalho*, M. Pure white with greenish spots.
**Madame Masson*, M. Pure white.
**Mrs. John Clutton*, M. One of the very best whites.

LIGHT ROSE

**Alice*, M. Very fine rosy-pink, enormous trusses.
Delicatissimum, H. Blush rose.
Lady Grey Egerton, H. Very light rose.

**Pink Pearl*, H. Flesh pink, unopened buds deep rose, large trusses, very free flowering, very early.

**Prince Camille de Rohan*, M. White and rose, well shaped, large trusses.

DEEP ROSE

Amphion (syn. *F. L. Ames*), H. Bright rose, large white center like American pillar rose, enormous truss.

Charles Bagley, M. Clear bright rose.
**Cynthia*, M. Rose crimson, very beautiful.

**Kate Waterer*, M. Clear rosy-crimson, yellow blotches.

**Lady Eleanor Cathcart*, H. Bright clear rose, crimson spots.

RED

Caractacus, M. Rich purplish crimson.

**Doncaster*, L. Deep brilliant red, very effective.

Edward S. Rand, L. Bright clear carmine.

Ignatius Sargent, M. Bright crimson.

**James Marshall Brooks*, M. Fiery red, bronze blotches.

**John Walter*, M. Fiery rich crimson.

Kettledrum, H. Rich dark crimson.
Mr. Dresselhuys, M. Crimson-red.

**Sir Henry Havelock*, M. Very fine red.

PURPLE

Catawbiense grandiflorum, M. Light purple lilac.

Everestianum, L. Rose lilac, daintily spotted and fringed.

**Fastuosum flore pleno*, M. Very fine mauve, semi-double flowers.

Parsons Gloriosum, H. Rose-lilac.
Purpureum grandiflorum, H. Rich purple.

An intimate little section

Turn to The Garden Mart for all manner of rare plants and unusual garden gadgets. It is the meeting ground for those who want distinctive items not commonly found. For the dyed-in-the-wool horticulturist, The Garden Mart will prove a most useful department.

If you do not find what you want, write to us. We will be glad to advise you. The Garden Mart of House & Garden, 1930 Graybar Building, 43rd at Lexington, New York.

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COLCHICUM BULBS—Autumn blooming, require no soil or water. Large bulbs, 50c each—\$3.50 per dozen, \$25.00 per 100 postpaid. George Lawler Bulb Grower, Tacoma, Wash.

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FLOWERING SHRUBS

TREE-SHAPED WISTERIA. An outstanding novelty; 6 varieties. Save 10% by ordering now for spring delivery. Write for free booklet "Worthwhile Flowering Shrubs." A. M. Leonard & Son, Piqua, O.

"SPRINGSCENT. Vernal Witch-hazel, Two-seasons Lilac" (blooms Spring & Fall); "Royal Vine of Korea"; "Bird Attractors"; these new plants tested for hardiness. Free Book. A. M. Leonard & Son, Piqua, O.

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PACHYSANDRA—To clear ground we offer this plant at \$4.50 per 100, \$30.00 per 1000; also Vinca Minor, Honeysuckle, English Ivy, Eunymus in variety, and an extensive assortment of Rock Garden Plants. Write for catalog. Hugh B. Barclay, Narberth, Pa.

IRIS

8 NEW SIBERIAN IRIS—\$2.75 postpaid. Unexcelled for cutting. Catalog contains valuable information. Large divisions at moderate prices. Kenwood Iris Gardens, R. R. #10, Cincinnati, Ohio.

LILACS

FRENCH LILACS. 60 best varieties available from our collection of 180 kinds. Write for catalog giving full description and prices. Farr Nursery Company, Box 106, Weiser Park, Penn.

MISCELLANEOUS

2 YEAR HARDY ROSEBUSHES field grown \$3.50 dozen—150 varieties—12 Rockplants \$1.—100 varieties. Grape Hyacinth Scilla \$1.50—100—all postpaid. Lilies, Iris, Peonies, free list. Suhl's Flower Farms, Troutdale, Oregon.

ORCHIDS

ORCHID PLANTS EXTRA FINE. Carolina Orchid Growers, Southern Pines, N. C.

PEONIES

TREE PEONIES. Comprehensive assortment at \$3. to \$65. each. Catalog free, giving full description and information. Farr Nursery Company, Box 106, Weiser Park, Penn.

PEONIES: Tree, European & Japanese, finest named varieties, all colors. Herbaceous, best varieties. Send for catalog & reduced prices. Oberlin Peony Gardens, Sinking Springs, Pa.

PERENNIALS

CHOICE HARDY PERENNIALS. Amy Hore, Green Brook Gardens, Scotch Plains, New Jersey

ROCK GARDENS

OVER 100 VARIETIES of NEW Rocky Mt. Wild Flowers—Fine for Rock Gardens. A Big Pkg. of mixed seed Prepaid to you for only \$1.00. H. D. Belcher, Brook Forest, Colo.

ROSES

ROSES—"A Little Book About Roses", 28th annual issue, sent free on request East of Rocky Mts. 25 cts. elsewhere. This year's special collections of the world's best outdoor varieties are offered at very moderate prices. Late Autumn-planting strongly recommended. George H. Peterson, Inc., 30 Paramus Road, Fair Lawn, N. J.

"STAR" ROSES—GUARANTEED TO BLOOM! The quality product of Rose Specialists with 35 years experience. When you plant "Star" Roses success is assured. Every "Star" Rose is trademarked. Send for Catalog. The Conard-Pyle Co., West Grove 230, Pa.

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We complete a little house

(CONTINUED FROM PAGE 65)

both sides of the drive to the garage. At the corners of the house is a Tara Vine (*Actinidia arguta*), with a Silver Moon Climbing Rose each side the Palladian window. The path to the latticed kitchen yard is flanked by two narrow beds headed by a Morrow's Bush Honeysuckle. Behind this are Currants and Blackberries with Onion sets and Cucumbers grown between the rows.

At each corner of the property stands a Maple. A California Privet hedge forms the front boundary. Brick walks intersect the grass in the front area, and directly in front of the window is a shallow star-shaped pool. This can be built either of cement or made of heavy tin covered with waterproof paint.

REAR TERRACE PLANTING. The brick-paved dining terrace that is reached through a door in the rear Palladian window is protected on two sides—by the lattice of the kitchen yard and by the wall of the garage on which the lattice is repeated. Concord Grapes are planted along these lattices. A narrow bed between the paving and the house supplies enough soil for a low hedge of Thunberg's Barberry with a Dorothy Perkins Rose climbing each side the window.

THE BACK GARDEN. On the main axis of the rear door is a path leading to

a circular paved area called a "Sitting Out Place." This is surrounded by Lindens clipped in the Continental fashion. A perennial border runs each side the path. In fact this garden consists of a succession of long brick walks between flower beds, with a cross walk at the back. The paths on each extreme side have beds for vegetables so that this rear garden contains four flower beds and four vegetables, the humble Carrot mingling with the lordly Hollyhock as they do in gardens abroad.

The rear of the property is marked by a California Privet hedge with a Maple in each corner, thus repeating the front yard boundary design.

In making this garden the structural elements are the first expense. An approximate estimate on the brick walks, front pool and lattice is \$456. The next expense is for trees, shrubs and perennials not grown from seed. These come to \$200.20. For the seeds of vegetables, perennials and annuals we allow \$15. For the picket fence, \$30.60. Tools and incidentals at \$48.20 bring the total costs of the garden to \$750, exclusive of the labor item.

In studying these plans for the grounds it will be noticed that they provide for a surprisingly complete layout, albeit on a small scale. The garden is a real one and offers a considerable variety of plant material and effects.

BULBS



For Autumn Planting

Few Spring-flowering plants rival the May-flowering Tulips for brilliance of bloom. Planted in clumps in the shrubby border, the hardy border, or in formal beds, they are a wonderful addition to the garden.

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The care that good house plants need

(CONTINUED FROM PAGE 29)

growing plants a quart of pulverized sheep manure, and for slow-growing ones a quart of bone meal, should be incorporated in every bushel of the general formula. For an eight-inch pot two tablespoons of either of these stimulants will suffice.

If it is a question of stimulating growth or hastening bloom, a liquid fertilizer, which is an immediately available plant food, is good. Horse, cow, poultry, or the more readily obtainable pulverized sheep manure may be mixed with water, left standing for a time, and then diluted for application to the color of weak tea.

Dormant plants, on the contrary, are not benefited by this treatment but are only rudely awakened from their necessary rest. The actively growing plant, however, after first being thoroughly watered, can be safely stimulated by such feedings every three weeks.

And where only a few plants are grown, the florist's fertilizing tablet is useful. Tea, coffee, castor oil, beef tea, raw meat, oysters, and cigar ashes, however, were never meant for plant diet lists!

REPOTTING

Nature always supplies adequate space. Yellowing foliage is often a signal for the need of more root room. Again there is no rule. The seedling requires several shifts in a season, while well developed specimens, such as the Chinese Rubber Plant, may need a larger pot only once in two years.

Most house plants, however, need an annual repotting in the spring. At the height of their vigorous growth, with a beneficial summer outdoors just ahead, they easily withstand the shock of repotting.

On the other hand, the plant shifted in the fall, with artificial indoor conditions soon to be faced, will not react so quickly. At any time, however, a three-day period of shade hastens recovery.

All plants do not require proportionally the same size containers. The Geranium and other flowering plants bloom better if they are a trifle pot-bound, while the Pandanus is really quite healthy when it thrusts up its roots to the top of the pot.

Yearly examination of plant roots is a wise precaution. If a plant is first well watered, its pot can be easily lifted when rapped sharply against a bench or table. As illustrated, the plant should be inverted over the left hand with the main stem firmly supported between the second and third fingers. If the lifted pot then reveals a fine network of roots on the outside of the earth ball, a pot a size or two larger should be supplied.

The Pandanus shows the proper method of placing a plant in an eight-inch pot. Above the drainage layer

rests the plant. Here it should be firmly held in one hand while the other fills in the earth. Several sharp taps against the potting bench will firmly settle the new soil below and around the root ball.

After the spring repotting is accomplished, plants renew their vitality by summering in the fresh air. Where a variety of conditions is possible, the plants should be sunk in their pots in the garden. A piece of broken flower pot, placed concave side up in the bottom of each planting hole will help to keep the drainage open. Sunny locations should be selected for the flowering plants, the moderate shade of fairly open-leaved trees for most of the foliage ones, and the dense shade of the Maple or Oak for the majority of the Ferns.

Well before frost the plants should be lifted, the pots washed, the drainage replaced, if on examination it appears faulty, and an application or two of lime water given to drive out worms.

A piece of builder's lime the size of a tea cup may be dropped into two gallons of water to prepare this solution. When the mixture settles, the clear top water may be bottled for use at any time. It is also helpful in driving away the white worm whose occasional presence among roots is indicated by tiny flies about the surface of the plant.

If Nature's conditions have all been duplicated, clean, healthy, actively growing plants will result. These are not as a rule troubled by pests. Occasionally, however, black, white, or green aphids and the fuzzy white mealy bug do appear, but a spraying or dipping of the plant in a nicotine solution will drive them away.

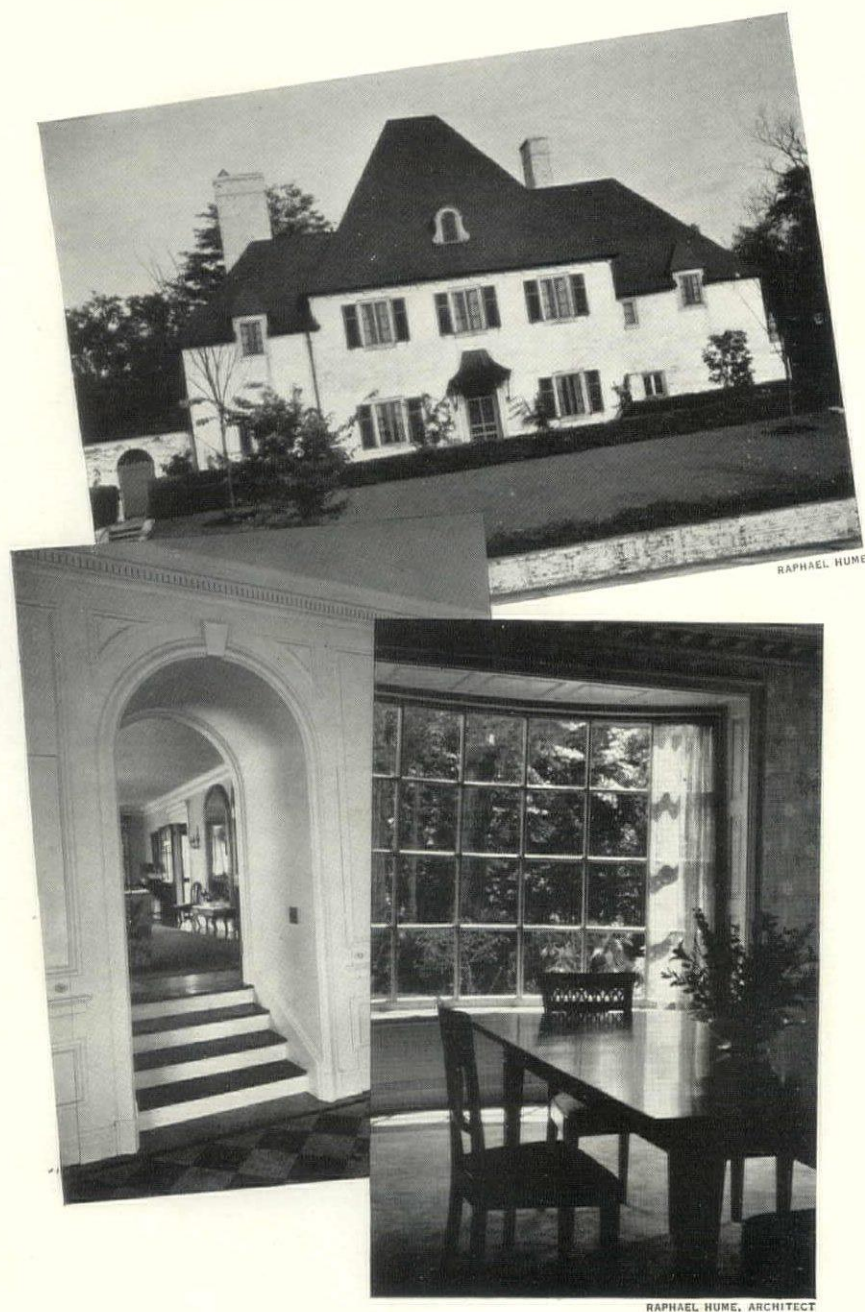
COMBATting SCALE

However, scale, which is the tiny pest sometimes seen on the Fern, will not budge under this treatment but must be lifted off with a toothpick or scrubbed away with a tiny brush. When frequent subsequent water sprays do not prevent its return, a spray of a quarter ounce whale-oil soap dissolved in a quart of warm water should be left on for two hours. A rinsing spray should then be given. And the day following any of these treatments a clear water sprinkling should be given, as only in this way is the leaf of the plant made free to breathe again.

If, then, you reproduce in the house Nature's outdoor conditions, and if you are faithful in your attention, you will soon replace those dejected specimens that previously have eked out so brief and doomed an existence on your window sill with fine, flourishing, green house plants. In a word, yours will be the "luck" of that legendary grandmother.



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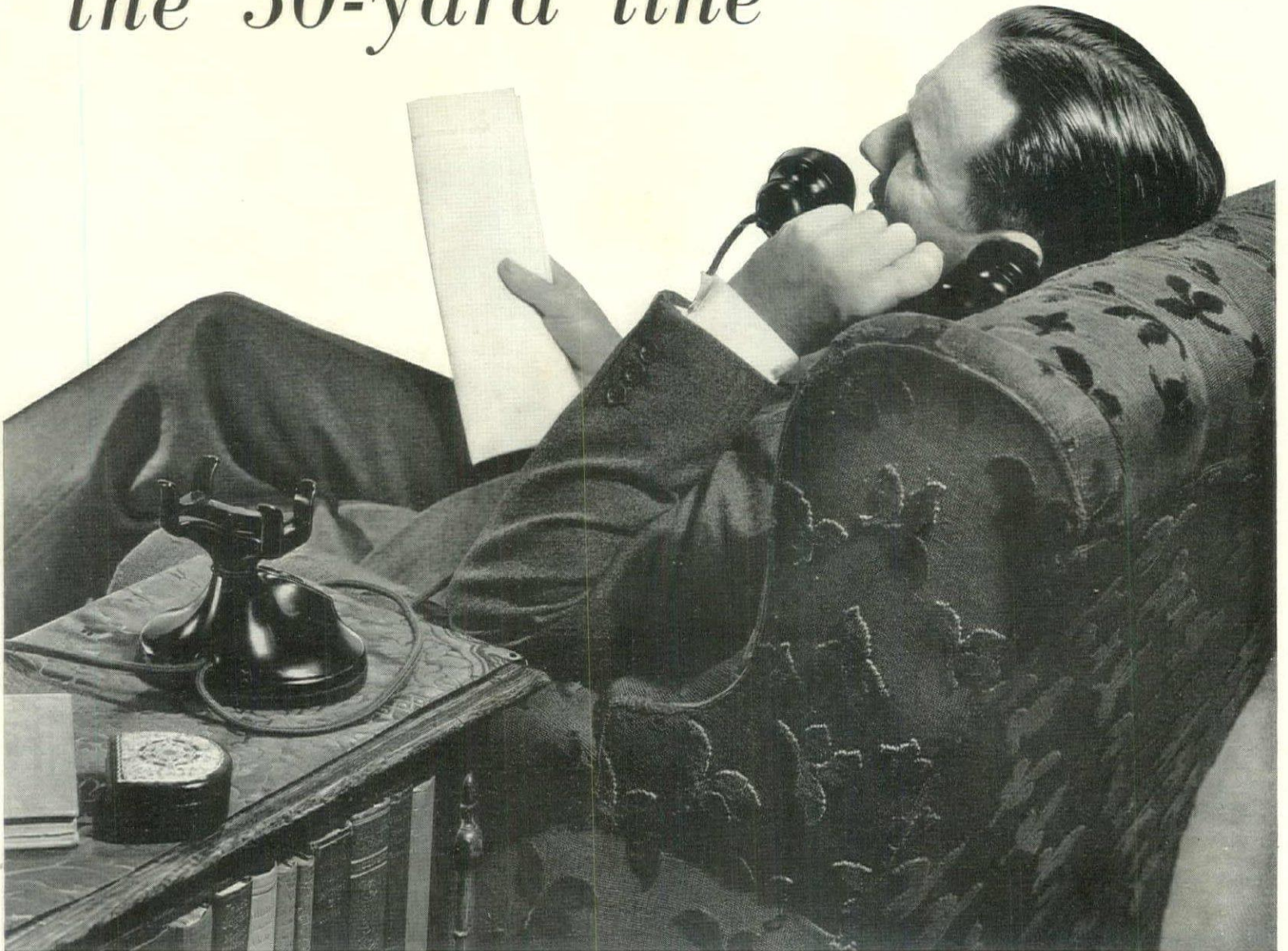
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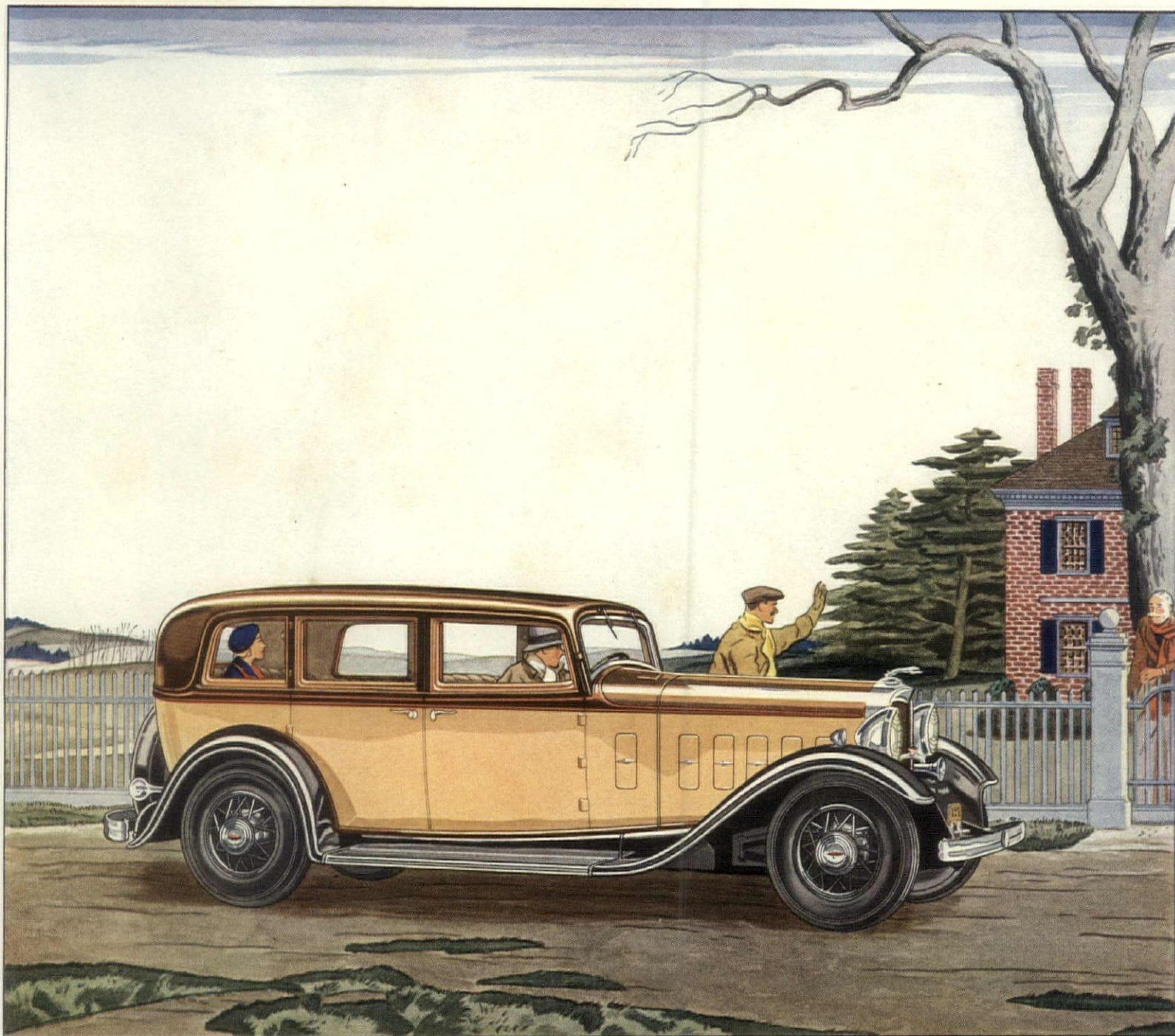
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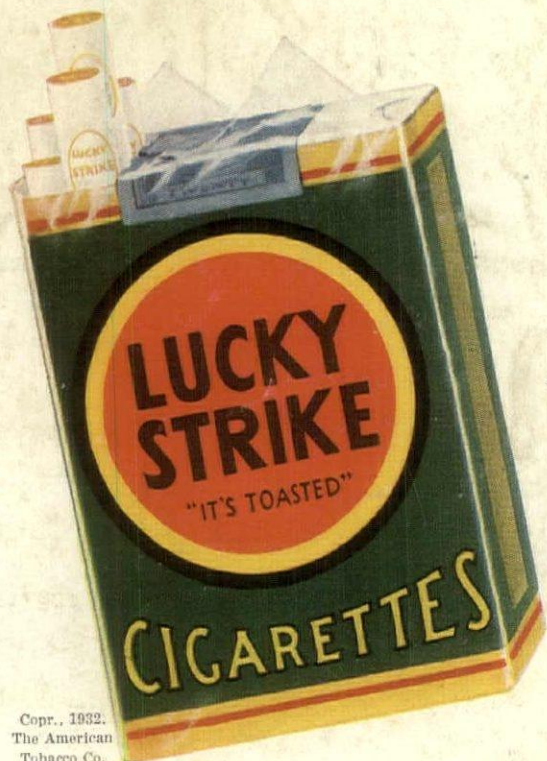
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