

TEN CENTS

SEPTEMBER 1930

# The American Home



10¢

Saving Steps in the Kitchen—Page 555

Published by Doubleday, Doran & Company, Inc.



# "Our new neighbors are the nicest people"

WHEN THE HOME that was planned so carefully is really open—you realize as never before the significance of all its refinements. Pleasant people drop in to welcome the newcomers, and go home to discuss them. Your tastes and living habits are local news of first importance.

Quality tells—quality shown not so much by the coat you wear and the car you drive, the things the grocer's boy can see, but in the more intimate evidences of training and insight. In the vital corners of the home that expose your whole philosophy.

No room in the house is more expressive than the bathroom. This truth has always inspired Kohler craftsmen. Kohler baths and lavatories and closets are graceful in form, pleasing in color, flawless in finish. Their masterpiece quality goes straight

through, to the inner details of water flow, to all the hidden particulars that mean so much in efficiency, safety, permanence.

Many of the big advances in fixtures and fittings were made by the Kohler Co. Color in the bathroom was a Kohler development. So were the one-piece built-in bath, the one-piece lavatory, the electric dish-washer sink, the Duostrainer for kitchen sinks, and other innovations of equal importance.

An all-Kohler bathroom

... without extra expense Kohler fixtures, in color, with Kohler fittings to complete their beauty and usefulness add little to the price you might have paid for ordinary design and temporary service. Whether you plan a \$500 bathroom or a \$5000 one, Kohler quality costs the same to own and saves money later on.

You will find Kohler bathroom and kitchen fixtures in the finest new homes

you visit. If you plan to build or remodel, a talk with your architect will confirm your high opinion—and your plumbing contractor's figure will show the good sense of an all-Kohler installation. Meanwhile, write for free Booklet C-9, which has a number of attractive groupings and various bright ideas on home plumbing. . . . Kohler Co. Founded 1873. Kohler, Wisconsin.

*Branches in the principal cities. Look for the Kohler mark on every fixture and fitting.*

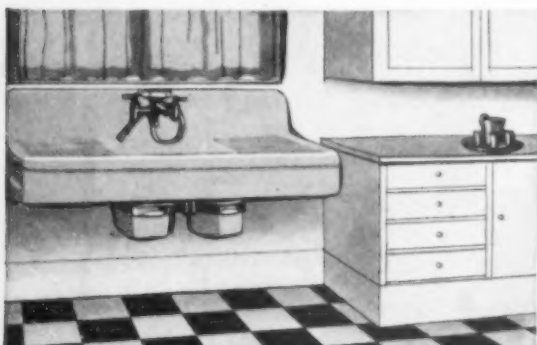


*A complete Kohler bathroom with fixtures in the Tuscan shade . . . VICEROY bath with Octachrome four-valve shower, STANDISH lavatory with Octachrome combination fitting, ROCKBOURNE closet with Conant Hygienic seat.*

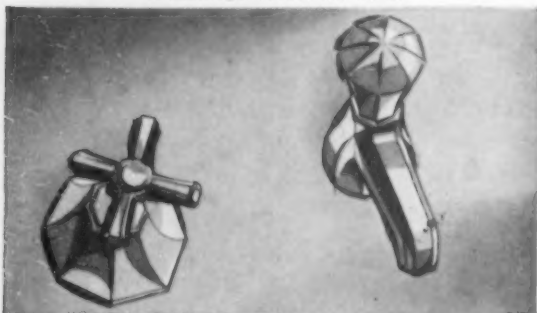


## ELEVEN IMPORTANT POINTS

- 1 Kohler designs are decorative, purposeful, correct.
- 2 Enamel—fused with an everlasting bond . . . keeps its smooth, glistening surface.
- 3 Vitreous china—armored with a flat, lustrous, lasting glaze.
- 4 Kohler colors are soft, livable pastels. The white is a perfect white.
- 5 Metal fittings match the fixtures in style, character and quality.
- 6 Made of finest materials . . . show craftsmanship and care.
- 7 This year's Kohler products are next year's new ideas in plumbing.
- 8 Kohler quality extends to kitchen and laundry.
- 9 Kohler quality costs no more . . . and saves money later.
- 10 Handled and installed by qualified plumbers.
- 11 Backed by an entire community . . . beautiful Kohler Village.



*Enameled BRISTOL sink, with Octachrome swing spout mixing faucet and rinsing hose. Equipped with Duostrainer and swing arm containers for utensils and waste.*



*Octachrome lavatory valve and spout, heavily chromium plated.*

# KOHLER OF KOHLER





The protecting branches of the venerable native Elm, New England's pride, tower above the charming Colonial house. This Elm is the vase form, the best type for lawn planting. (Photograph by H. A. Strohmeyer)

# The American Home

VOLUME IV

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A GARDEN IN BEVERLY HILLS, CALIF. A. E. HANSON, LANDSCAPE ARCHITECT



*Is your garden  
as well furnished as  
your home?*

Many a home is judged by its garden—and many a garden gets its beauty from concrete. Garden walls of masonry units in odd shapes and rugged surfaces—pergolas, with sturdy concrete columns—ornamental walks and grass-bordered flag stones—lily ponds and pools, of concrete.

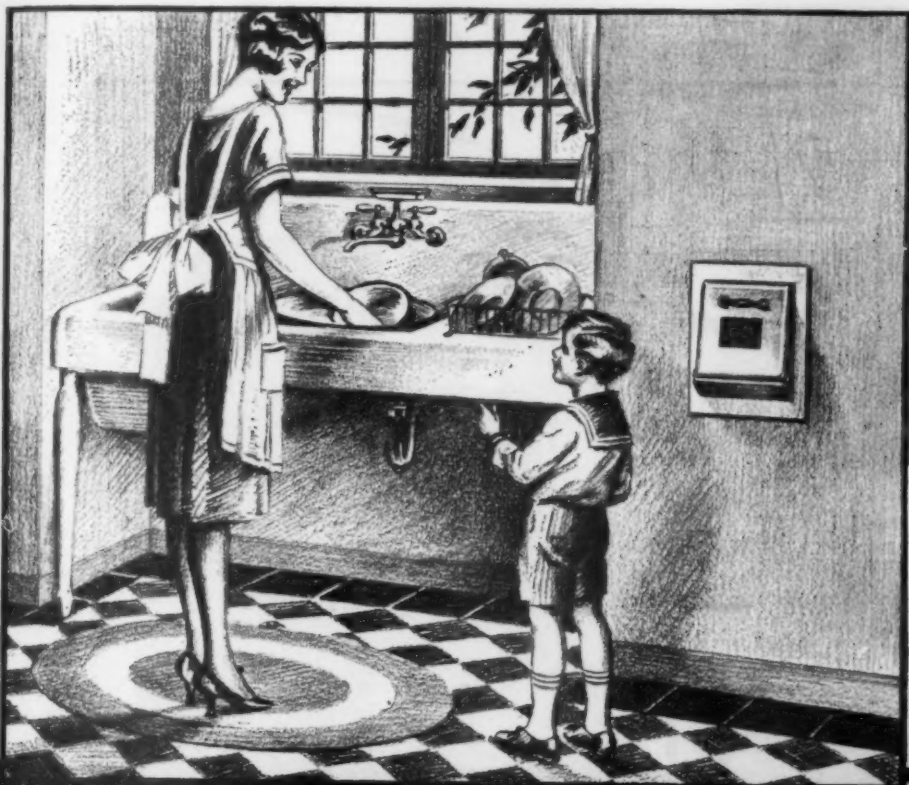
In almost every community there is a concrete contractor who will gladly work with you in designing and constructing the furnishings for your garden. Very likely he will have many interesting ideas to offer which will add much to your garden, and to the value of your property.

PORTLAND CEMENT *Association*

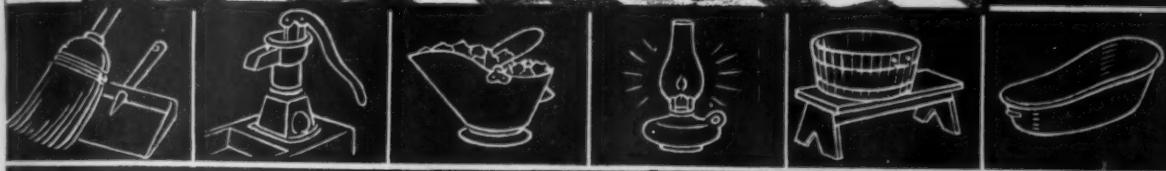
*Concrete for permanence*

33 WEST GRAND AVENUE  
CHICAGO





WITH OIL OR GAS FOR HEATING—  
WHAT ABOUT WASTE DISPOSAL



# KERNERATOR has abolished the last great housekeeping INCONVENIENCE

Progressive improvement of household utilities has, long ago, wiped out even the memory of most old-fashioned items of home equipment. The dust-pan, the cistern pump, old-style heating and lighting, primitive laundry equipment are just history.

The domestic incinerator is an accomplishment among modern "wife savers". It is demanded in the better home and apartment and its presence is more and more the usual thing in even the modest cottage.

The Kernerator is the modern way. It does away with the inconvenient, unsightly and unsanitary garbage can, and solves the problem of rubbish disposal that is so serious with modern fuels.

*Ask your architect about Kernerators or send for attractive booklet.*

KERNER INCINERATOR CO., 1222 North Water St., Milwaukee  
OFFICES IN 150 CITIES

WITH OIL OR GAS FOR HEATING—  
WHAT ABOUT WASTE DISPOSAL



FOR NEW AND EXISTING BUILDINGS



*Courtesy, Herald Tribune Institute*

*Richard Averill Smith*

## KITCHEN CONVENIENCE

*The modern kitchen may now be fairly rated as the housekeeper's office as well as her laboratory. Here in her desk unit she has a radio so that she may take down recipes that come via the air, a telephone, reference and cook books, and all the other necessary equipment that makes for the smooth running of her household*



## Saving steps in the kitchen

*By well-designed equipment and careful routing of work*

ELIZABETH H. RUSSELL

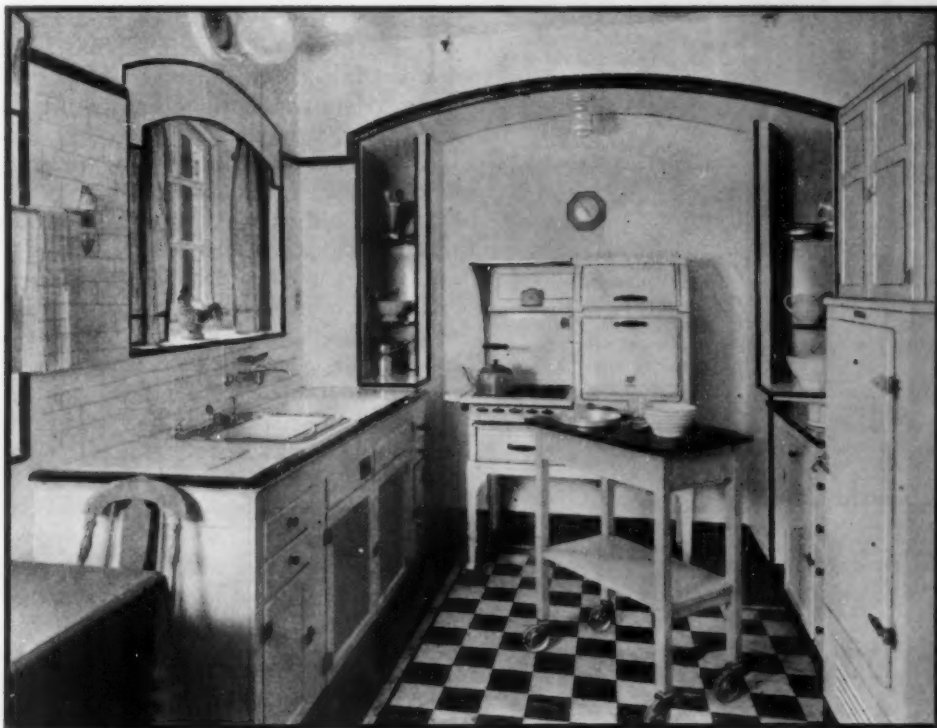
WHEN we wish to go quickly from one place to another in this modern world we no longer walk, ride, or motor—we fly. In other words we take the straightest line between two points, a principle that is being applied to many phases of present day life and has even penetrated housekeeping. We hear a great deal to-day about “efficiency,” and this word, says an authority on the subject, means “standardizing the work to be done.”

Therefore, efficient modern kitchens are planned with carefully thought out routes in order to standardize the work which formerly took so much of the housewife’s time. With mechanical equipment substituted for domestic

service she has discovered that she may run her household easily and well and still have time for outside interests.

The architect of a house and the home maker should study carefully the plans for the kitchen before the final drawings are made that each feature of it may be worked out as scientifically as possible. A sunny corner is the best location for this workroom that there may be windows located on two sides for cross ventilation, and the exposure sunny that the room may be cheerful.

There should be convenient planning and arrangement of the following elements, considering them both as groups and in relation to each other: The range and its accessories;



*Courtesy, Herald Tribune Institute*

*The equipment here has been arranged to carry out the circular work space idea, shown in the diagram at the end of this article, thus minimizing the steps required in the preparation of a meal*



Photographs by Richard Averill Smith



*In this kitchen the gas range is installed in an alcove, with the sink, refrigerator, worktable, and cabinet conveniently arranged in relation to each other. (Photographs on this page courtesy Consolidated Gas Co.)*

*This gas kitchen has been planned for a small apartment. The stove and oven fit compactly over the refrigerator, while the little sink and cabinets are most ingeniously planned to use every inch of available space*

the water supply, sink, dishwasher, and the various appliances having to do with cleaning, preparation of vegetables, garbage disposal, etc.; the worktables and kitchen cabinets; the refrigerator and cold closet; heat for the kitchen and the water supply; storage for groceries, vegetables and fruit, milk, and cleaning preparations; and provision for receiving delivery parcels, supplies, laundry, etc. If there is no separate room for the purpose, the laundry arrangements must also be considered. A pantry between kitchen and dining room is an excellent feature if you have

space for it as it gives storage room, prevents noise and odors from passing from kitchen to dining room, provides room for shelves for dishes, and for wide working shelves with drawers underneath. China closets de luxe now have double sinks, plate warmers, towel dryers, racks for trays and platters, and many other features. These may be bought separately, if you wish, in wood or in metal, and built into the house, adding immensely to its comfort and convenience. Kitchen units have tops of monel metal or of zinc so that hot dishes may be placed on them without injury, while china closet surfaces are often covered with battleship linoleum or rubber tiling which prevents breakage.

There should be a rear hall to give indirect connection with the back door when possible, and it is well if this outer room is large enough to permit a closet or two for brooms, mops, vacuum cleaner, etc., as well as for the coat and hat of the laundress, the childrens' overshoes, extra umbrellas, etc., and a cold closet with a screened opening into the outer air will save much on the ice bill. A ventilated vegetable bin may be here, also, with a flat top where delivery men may place parcels. A package receiver with openings both outside and inside the house is an admirable device as milk, laundry, and groceries may be placed in it at such times as it is not convenient to answer the door bell. This outer room will also save much tracking into the kitchen, and will protect it from cold winds and drafts in winter.

The kitchen plan, to be really efficient, must be carefully studied and adapted to individual cases. If you are just starting to build, its arrangement may be fairly simple, but if you are remodeling, conditions are more difficult. However, in the latter case, although you may have to keep



to certain boundaries, much may be done to develop an up-to-date kitchen from an out-of-date one, and, with the addition of modern equipment, the service portion of the house may become as perfect as though it were new. The large, old-fashioned kitchens which were popular before labor became a problem are often remodeled into two rooms nowadays, one a compact mechanical kitchen, and, opening out of it, another room developed from the extra space which may take the form of a "rest corner" or sitting room for the cook, a breakfast nook, small dining room, screened porch, or a laundry. In the house on a farm this space often makes a welcome office for the man of the house.

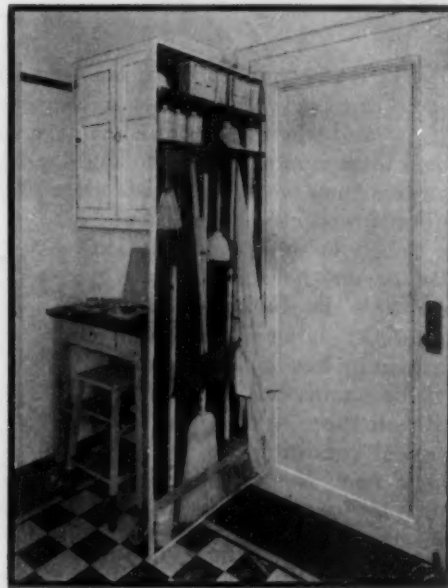
If, on the other hand, you are building a new house you will plan the size of the kitchen to accommodate the family and the work which has to be done in it. If you have a small family, a small laboratory will adequately take care of its needs, while a large family which requires much equipment to carry on its daily work will need kitchen space large enough to house the various pieces comfortably. The owner and architect should make plans to scale, and small paper models of the different pieces of kitchen equipment may be moved around until the ideal spot for each one is found, when the final plans and specifications may be done. Your plan will provide space and the best location for range, sink, and worktables, dishwasher, refrigerator, cabinets, rest corner or planning desk, closets, chairs, doors, windows, and all the mechanical appliances which you intend to install. If the kitchen is also to be the laundry the tubs, built-in ironing board, possibly a drying closet, clothes racks, etc., must be planned for, while an incinerator, ventilator, and sockets for smaller mechanical aids will add much to the facility with which the housework is done. Since plenty of light is essential a careful study of this

problem must be made, and sufficient outlets for adequate lighting provided. A 60-watt bulb in the middle of the ceiling is usually sufficient for a small kitchen, but more lighting fixtures should be installed where they will give the best results in a large room. Sockets for telephone and radio must be considered, too, if you plan to have these two very important up-to-date adjuncts for good house-keeping in the kitchen.

Modern manufacturers are providing something new each day for the ease and convenience of the home worker, and a trip to the various demonstration kitchens which are open to the public in any large (Continued on page 594)

*A unique and most compact closet for cleaning supplies and equipment consists of a curved metal door whose depth is only six inches attached with hinges to the kitchen door. (Courtesy, Herald Tribune Institute)*

*In this electrically equipped kitchen the electric range, worktable, and sink are within close proximity for convenient working operations. The cooking utensils also are hung within easy reach. (Courtesy of Edison Electric Company)*



# Now is the time to build

*A golden opportunity for the home builder*

ROGER B. WHITMAN

**F**OR every seller there must be a buyer; an employer for every employee; a borrower for every lender, and when sellers must sell low in order to sell at all, when there is more money to lend than to be borrowed, more workers than work—then is a time of profit to the shrewd.

For prospective home builders, such is now the situation. One or another of the three essentials in building—money, materials, labor—has been at bargain prices in the past and will be again; but to have it so with all three at one time is too rare a condition to overlook. *Build now*, is sound advice indeed for one can get a better house for one's money to-day than in any other period of recent years.

Consider the conditions and the rationality of the opportunity—the unexpectedness and the effect on industry of the slump of last fall, the dropping of prices in the struggle to dispose of stocks to disappearing markets and for the bare holding together of organizations, the spectre of unemployment, the withdrawal of money from speculation and its piling up as it awaited safe investment. We have had this situation for months. To some it has brought pessimism and gloom. But for the home builder, it offers too great an opportunity to be overlooked. To some the cloud may be dark, but to prospective home owners is the silver lining—the good that is blown by the ill wind. What to your neighbor may seem disaster is for you a lucky break. *Build now*, for materials will not remain at their present low prices with supply greater than demand; not for long will labor consider the job more important than the wage.

**B**UT, you ask, “is it wise to build in a time of depression?” In this particular time of depression, yes, and emphatically so, for the cause of depression is not in loss of our national assets but in an unsound mental conception of them. You should build now as you would buy your favorite tooth paste at a bargain sale or take advantage of any other chance to get what you want at a reduced price. With no lowering of quality, house building is now on the bargain counter, within easy reach of most of us, and it is unwise not to take advantage of this opportunity.

Important in the situation is the surplus of money for building operations and the greatly broadened use of it that is permitted by the lenders. A property mortgage being to many the most desirable form of investment, to it turned the lenders on the bursting of the bubble of speculation. But building was then at a low ebb; outlets for money could be found only through the making of concessions, and where in the past the interest of lenders was chiefly in new construction, money is now offered for alteration, modernization, and repair. As an example, the Railroad Co-Operative Building & Loan Association not long ago sent its many thousand members a letter part of which read as follows:

“Do you need a new heating plant or a new bathroom? Is the wiring of your house adequate? Do your gutters and leaders need rehabilitation? Are your cement walks and brick work in need of repair? Do you need a new roof?

“We have money available for these or any other modernization program. . . .”

Through the realization by its home building members of the opportunity offered by the present conditions, this association released twice as much money

for mortgages during the first six months of 1930 as during the second six months of 1929.

Building money now has unprecedented value and this is the building season. Furthermore, in building now you will be helping the country in its time of stress.

There is unemployment? Yes; and in building you will be giving the unemployed their chance to work, thus raising the general moral which is a very important factor in the unemployment situation.

Money is scarce? Yes; but will be less so by what you will put into circulation.

People are timid? They are not taking any chances just now? True, but you, in starting your house, will be proving your belief in the inherent stability of the country and doing much in the reestablishment of confidence. In addition you will be setting an example for others whose timidity is the only thing that stands in the way of their building.

For your own best interests, for the general good, truly, you Dreamers of Homes, now is the time to start your building plans and to make your dreams come true.

## A Word to the Wise

*The nation is at present going through a period of readjustment. Prices which had soared to unprecedented and uneconomic heights are returning to normal. Wages are steadier and labor is more plentiful. Money is easier to borrow for legitimate purposes, such as building, and can be had on better terms. Therefore, all these things considered, we would urge any of our readers who are contemplating building a home not to delay further but to grasp the golden opportunity and put their ideas into execution by building now.—The Editor.*





*Sketches by Frank Fleming*

*A mirror hung above a bureau offers an excellent opportunity for an interesting grouping. By hanging a picture of smaller size on either side of the mirror, perfect balance is produced. The oval pictures also lend a pleasing effect*

## The art of hanging pictures

*Pleasing effects obtained through balance and symmetry*

EDWARD LONGSTRETH

THE proper or improper hanging of pictures will make or mar any room even though otherwise harmoniously decorated. As a result of years of study and centuries of examples, certain principles based on good common sense have been evolved and are practiced by the best decorators to give the best effects. You can easily follow their lead and with the help of their experience it is possible to go through a familiar room with a fresh and critical eye and achieve an arrangement which will give the most pleasing result.

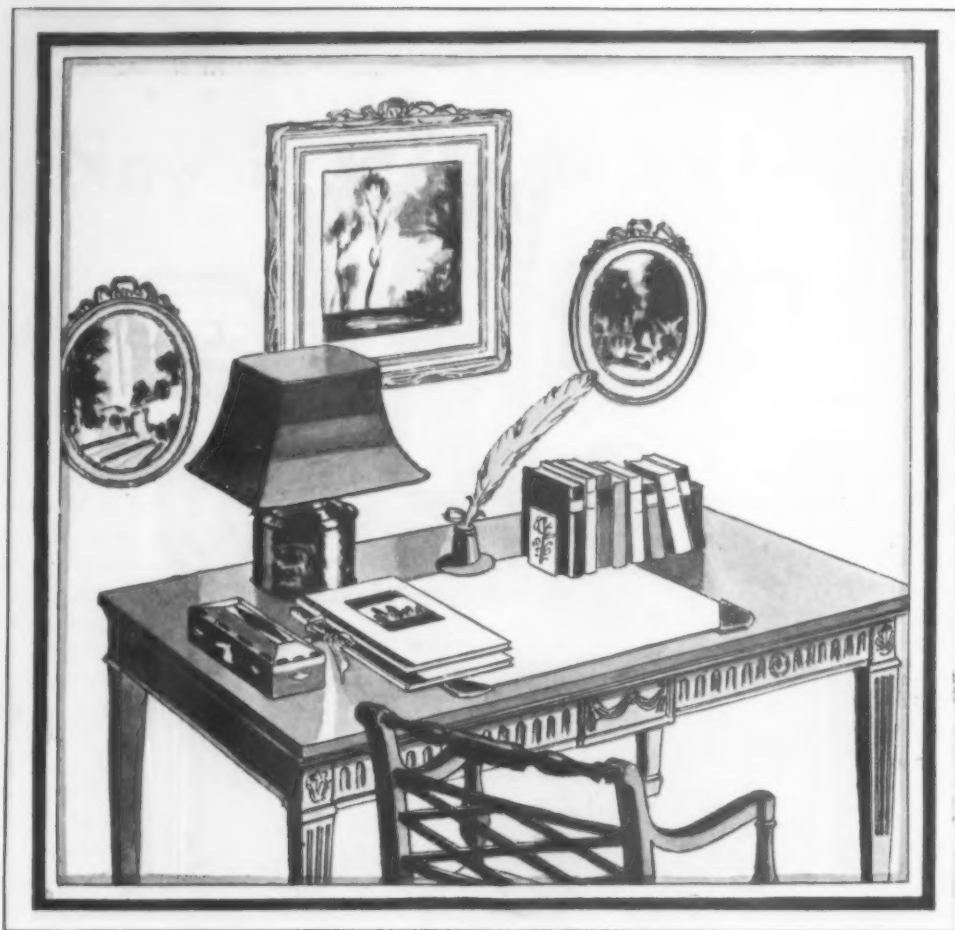
It is not necessarily a case of buying new pictures, but of using to best advantage those you already have. Perhaps some rooms suffer because there is too much on the walls rather than too little. It may be necessary to exercise some selection. A wall that is overcrowded makes the room look smaller than it really is. On the other hand, a sparse but adequate hanging will increase the apparent size of a room.

A most important objective in decorating any room is to give it a feeling of repose through balance and symmetry.

A balanced scheme of hanging pictures is much more restful and pleasing to live with than a disordered hodgepodge, restless to the eye and unconsciously disturbing to the spirit.

It is easier to talk about "good taste" than it is to illustrate it, for, in the matter of taste, circumstances alter cases. It is fairly safe to say, however, that if we use common sense and prefer simplicity to gaudy display, the question of taste will usually take care of itself.

There is nothing mysterious about any of the factors involving good decorating with accessories. For instance, take the problem of decorating a wall by hanging pictures on it. The important thing is the picture, not the mechanical device that holds it in place. The ideal way to keep a picture on the wall is one that is invisible. Little bracket nails of various sizes come for this purpose and can be used when there is no objection to putting a small hole in the wall. Otherwise, wire should be used, and it should be the thinnest wire that will bear the weight of the picture. It is a mistake to attract attention to the wire for, after all,



*A great wall space over a desk, divan, table, or other large piece of furniture is particularly suitable for grouping pictures. Oval frames, charming and symmetrical in themselves, contribute these characteristics to a group*



*By arranging a number of small pictures according to their shapes and sizes on either side of a large one, an important group is formed of items which, taken by themselves, might be entirely too trivial to use*

it is only a device for hanging the picture; a means, not an end in itself.

Since most pictures are rectangular or oval, the picture wire should avoid making the inartistic inverted V, for this is a sharp, unpleasant angle, subtly distracting to the eye. Instead of the inverted V, there should be two wires for each picture, one on each side, leading straight up from the sides of the frame to the picture molding at the top of the wall and parallel to each other. The wires are usually fastened to the back of the picture frame about one quarter to one third the distance from the top. The nearer the top of the frame the wires are fastened, the flatter the picture will hang against the wall, but a slight canting forward of the picture presents it more squarely to the line of sight and lessens reflections on the glass.

The vogue of hanging pictures on colored silk cords with rosettes and tassels to conceal the hooks on the picture molding, is not considered good practice by the best decorators. The reason for avoiding the use of such showy contraptions is that they distract attention from the picture to the hanging apparatus, and are too elaborate to harmonize with the furnishings of the average home. Colored cords and tassels give an effect of fussiness and showiness without having any meaning in themselves. Thin, inconspicuous wire with hooks painted the same color as the woodwork of the picture molding are in best taste because they are the most inconspicuous and do not detract from the picture.

A single picture is hung in a proper place on the wall when it is most comfortably seen by those (Continued on page 584)





Richard Averill Smith

*Maple furniture that is attractive, comfortable, and practical, together with suitable accessories, are used in a room which will be a kingdom all his or her own to the child of school age. (Courtesy of Gimbel Brothers)*

## When the child grows older

*Furnishing the room for the nursery graduate*

DOROTHY STACEY BROWN

ONCE in the life of every child there comes a time when the nursery is outgrown. It may happen any time between the ages of six and ten, but just as soon as school days begin, little boys and girls alike decide that they are too old for rabbit-decorated furniture and animal or fairy tale haunted walls. "That's all right for Baby!" Junior will remark scornfully, "but I'm a big boy now!" So for the once adored—and still secretly beloved—rabbits and pussy cats there must be substituted furniture and decorations more suitable to a serious minded young person taking a first taste of the business of life.

Many mothers may feel that the preparation of a room for the in-between ages must be an extravagance, since a

growing child will necessarily require new furniture again in a very short time. This need not be true by any means, for there is furniture to be found that is neither too large nor too heavy looking for the child still so young as to need help in any case with the minor details of dressing and the finding of clothes in bureau drawers. Thought and careful selection will make it possible to furnish a room for the child just starting school in such a way that it may be used through the early teens and even much longer.

This was the principle used in putting together the room shown in our illustrations. It is appropriate for either a boy or girl as it stands, but a few accessories of more masculine or feminine type may be added as the (Continued on page 592)

## PICTORIAL FABRICS

*Add a gay note to the fall ensemble*



*"Moby Dick," the great white whale, made famous by Melville and Barrymore, gives his name to a striking black and white hand-blocked linen, designed by Dorothy Trout. On it whaling ships, seals, Arctic icebergs, and sailors in open boats are dramatically grouped around the leading character. (Photographs, with exception of center design above, courtesy of Lord & Taylor)*



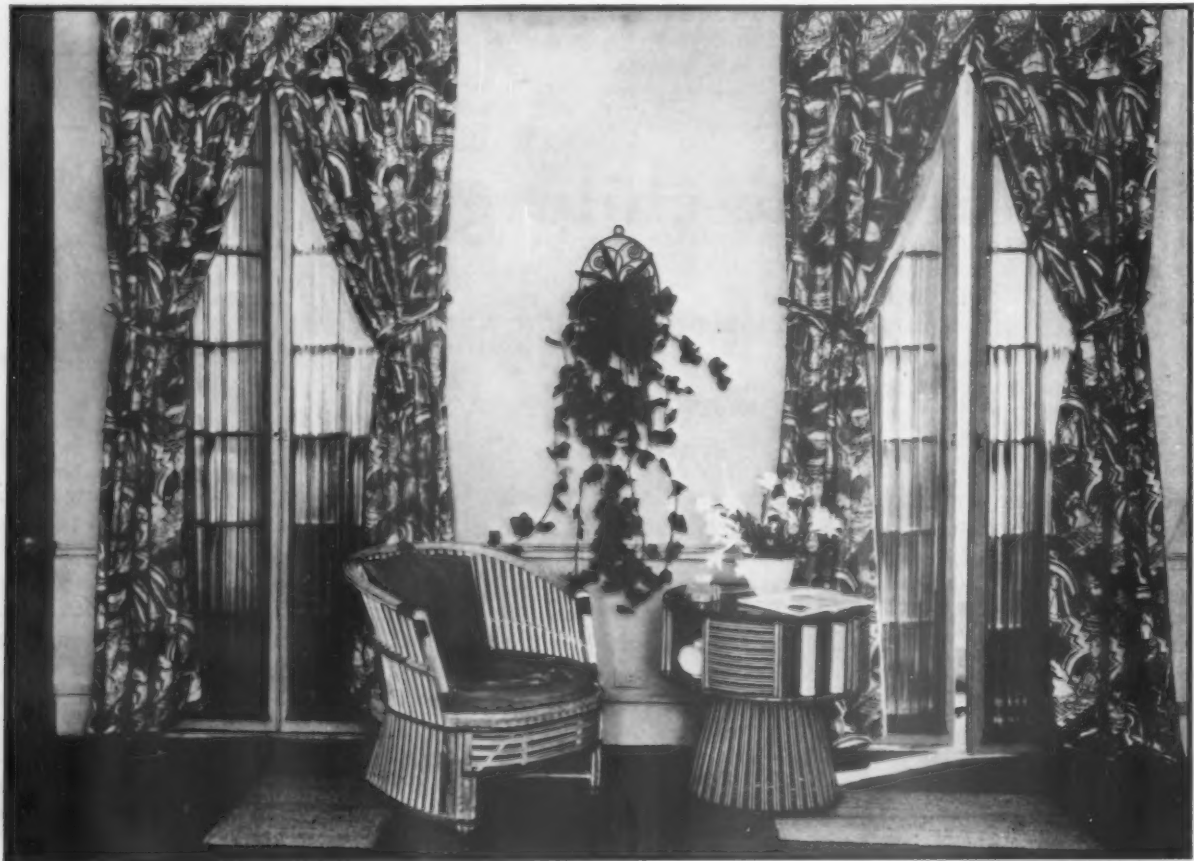
*The sunroom has French windows amusingly draped in the black and white hand-blocked linen with a Dorothy Trout design called "After Dark." Its pattern, composed of villains and heroes, was adapted from Christopher Morley's melodrama by the same name. It is extremely effective and one would never be devoid of conversation in a room where it was used*



*The printed linen above in varying shades of lettuce green has a decorative design of does and stags in fawn color strolling in an exotic landscape with an orange or sapphire flower introduced here and there. The fabric is 30" wide*

*Above center: Design inspired by the Battle of Agincourt comes in two backgrounds. One is natural linen with tones of taupe, blue, scarlet and gold; the other has same colors on background with blue all over design. (Courtesy, Glendale Linen Co.)*

*This pictorial and decorative black and white linen "Uncle Tom's Cabin" displays that famous structure, as well as Topsy, Simon Legree, and his bloodhounds, the venturesome Eliza, with Uncle Tom and his little angel Eva*





# Built-in bookshelves

*Practical and decorative for the small house*

HAROLD DONALDSON EBERLEIN

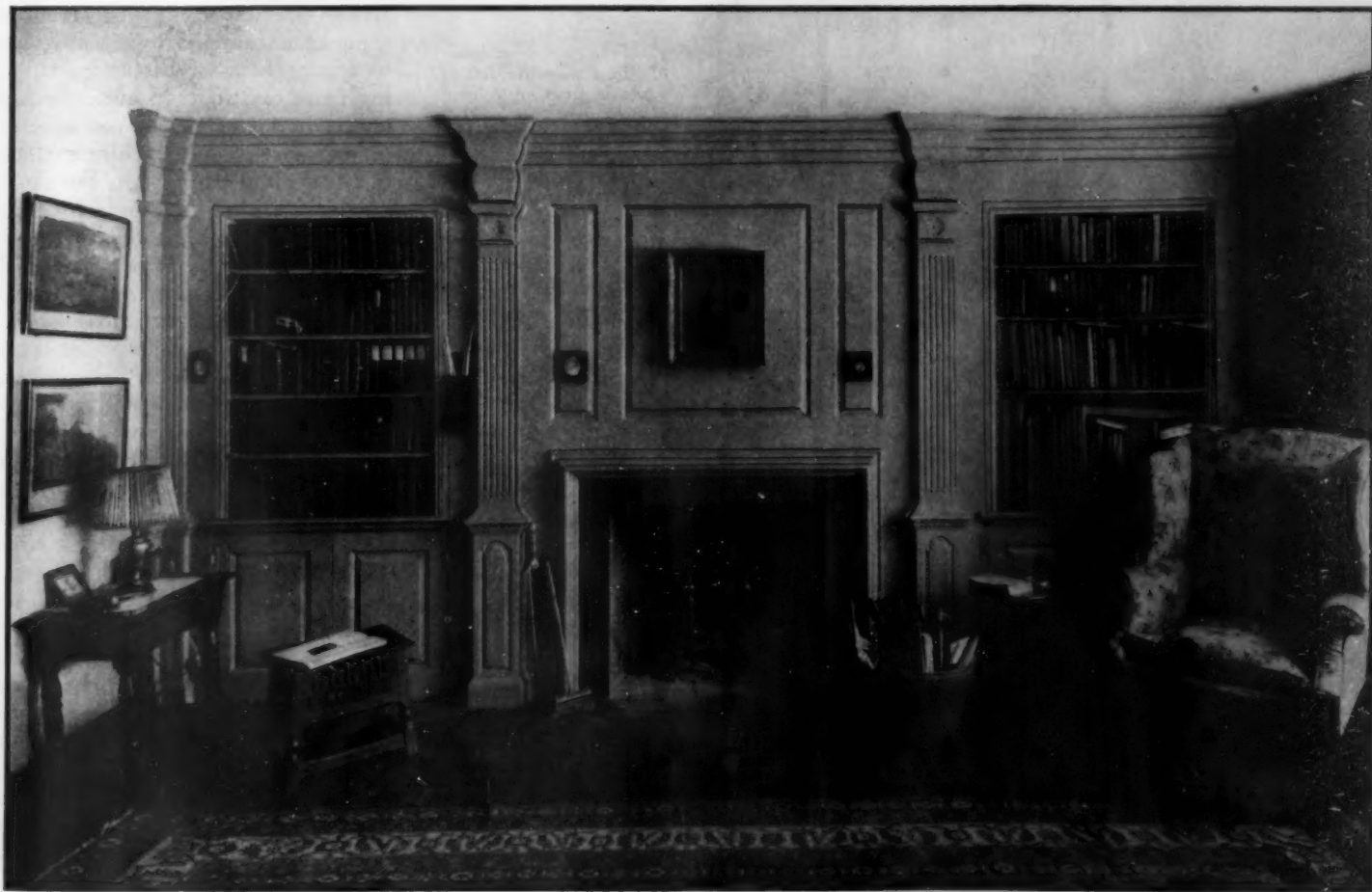
**B**UILT-IN bookshelving for the small house has to be considered from two separate points of view. One is concerned with the purely practical and constructional aspects, the other with the subject of interior decoration. Under the first head we have to think of space or measurements to determine how the shelving can best be fitted in, of the material to be used for the shelving and how it shall be constructed, and of the general relation the shelving shall bear to the structural composition of the room. Under the second head we must think not only of the decorative quality imparted by the ranges of books, but also of the decorative treatment to be given the built-in shelving and of the decorative balance to be maintained in the entire scheme. The constructional aspect must be dealt with first.

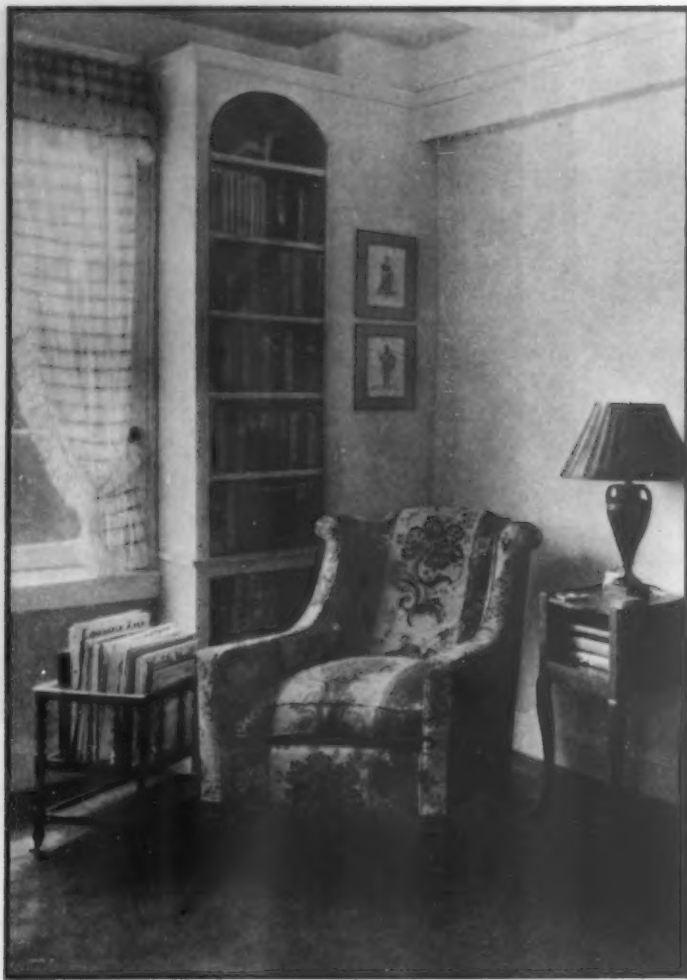
The first consideration is space. In a small house, where it is imperative to practise all the space economy possible, the building in of bookcases becomes a matter where pros and cons have to be carefully weighed. Every detail has to be definitely calculated and determined before work is started, and when once the shelves are in place, we have to abide by the consequences. Built-in shelving is a permanent feature that will not stand experimental placing to see how it works out. Experimenting with it would involve endless



*In this Early American living room in the home of Mrs. Anna Van Nort, Yorktown Heights, New York, with its beamed ceiling and natural pine walls, bookshelves have been ingeniously planned. Miss Elizabeth Coit was the architect*

*There is no more permanently satisfying wall decoration than the backs of books for they possess a decorative quality full of character. Leigh French, Jr., designed the room shown below*





expense and mean utter confusion in the house. Settle everything on paper, therefore, before starting work.

Built-in bookshelves appear to take up a very appreciable amount of space and seem to make a formidable demand on the area of a small room. Their apparent bulk often causes a good deal of hesitation about installing them. As a matter of fact, built-in shelving is actually more economical of space than free-standing bookcases. A free-standing bookcase inevitably projects farther from the wall than is necessary for built-in shelving. Built-in shelving has to be gauged by the average sizes of the books to be held. Depth of shelf in excess of room for the books is not only unnecessary and wasteful of valuable space, but is also objectionable as it only makes a place to catch dirt and serves as a catch-all for things that do not belong there.

AT ONE time it would have been possible to give pretty closely the measurements of duodecimos, octavos, quartos, and folios, when virtually standard sizes were observed; now the sheets of paper stock vary so greatly in dimensions that the books also vary considerably in their measurements. For books of ordinary size, however, a shelf eight and a half inches or, better, nine inches deep is amply sufficient. For quartos and folios twelve inches is plenty deep enough;

ordinarily eleven and a half inches would answer unless some of the volumes to be shelved are of rather exceptional size. In any event, the very large books are numerically in the minority and demand comparatively few feet of shelf space.

*The placing of built-in bookshelves must be determined by the particular constructional features of the room. In the room at the left a small space beside the window, which otherwise would have been wasted, offered an opportunity for some bookshelves which proved a very decorative spot in the room. (Photograph by Richard Averill Smith)*

The height of the shelving, or the distance apart at which the shelves are spaced, must also be gauged by the average size of the books—their height when standing upright. If the shelves are to be fixed in their construction, it is advisable to space them at distances varying from one foot to nine inches apart, that is from the top surface of one shelf to the under surface of the shelf next above it. For most books the nine-inch interval will be quite enough. A great many books would stand between shelves eight inches apart with as much free space as is necessary above them.

*In the living room below of Mr. Philip Roberts of Farmington, Connecticut, the built-in bookshelves were planned with cupboards at their base for storage purposes. The decorative quality is more effective when books are arranged on open shelves. Leigh French, Jr., was the architect*

For one reason or another, some people seem to prefer fixed shelving. It is far better, however, and in every way more satisfactory to have adjustable shelving. It will cost but little more to do this if it is done when the shelving is being built, and it will then be a simple matter to put the shelves as close together or as far apart as you like so as to suit the sizes of the volumes you have to fill them. The adjustment is made by vertical rows of holes in the upright supports or divisions, back and front, with pegs stuck into the holes to hold up the ends of the shelves. The shelves can then be moved up or down at will; it is merely a matter of sticking the shelf-supporting pegs into the desired holes. The individual shelves ought not to be longer than three or four feet between uprights. If they are longer than that without support, the weight of the books is apt to make them sag in time.

If provision has to be made for a number of large books, quartos and folios, it can readily be done by making the two lower shelves eleven and a half or twelve inches deep. Above these lower shelves, the shelving (Continued on page 586,





# Useful scatter rugs

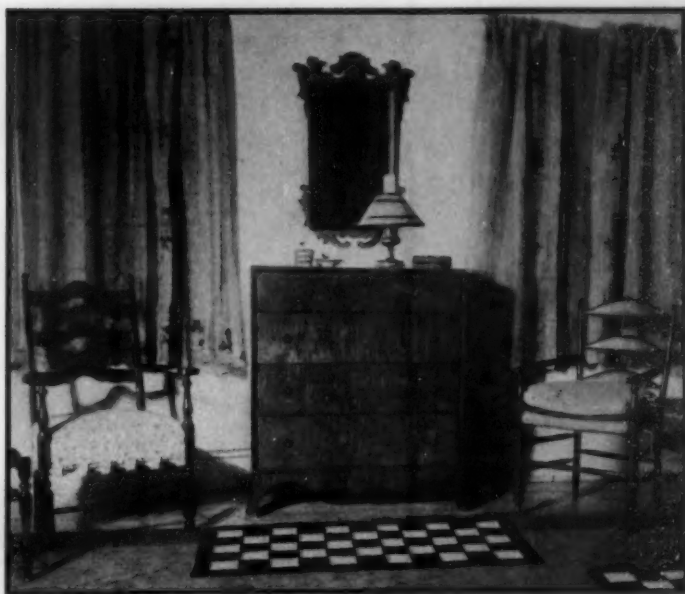
*Find a place in every room*

MARGARET HARMON

**E**XCLUDING oriental rugs, familiar to all of us, there exists an infinite variety of small "native" rugs which have found their way to the American market from all the countries of the world and which are particularly useful in the small home. Several of these rugs are indigenous to the United States, and their beginnings are contemporaneous with the history of this country.

The native rugs of every nation have, in common, qualities of naïve sturdiness and a fearless use of color which make them peculiarly appropriate for use in the modern home. To-day, we have emerged just far enough from the primitive in craftsmanship to be able to view it with appreciation and understanding. Provincial French and Early American furniture are vogues of the moment, and the native rug is a companion-piece of unquestioned suitability.

From Morocco come two kinds of rug that are very different in type but equally decorative, each in its own distinctive fashion. The first of these is interesting because it is so intimately identified with Arab life. It is closely woven, in the fashion of homespun goods, slightly hairy in texture, and decorated with horizontal bands of brilliantly colored wool-tufting at uneven intervals. Viewing it developed in white, with occasional black bars woven into the fabric, and the (Continued on page 586)



*A new type of washable and colorfast cotton chenille reversible rug which comes in many colors and patterns. (Courtesy of Valway Rug Mills)*



*The small rug with floral pattern harmonizes beautifully with the chintz slip covers in this Empire bedroom. Edwina Houts was the decorator. (Courtesy, Benjamin Moore)*

*A passage way is one of the many places where a scatter rug is useful. The one below is of cotton chenille. (Courtesy of Valway Rug Mills)*





H. Victor Keppler

## FILLING THE SCHOOL LUNCH BOX

The panels on either side of the above photograph show the great variety of attractive accessories for the school lunch box which may be bought at the five and ten cent stores. Here are plates, napkins, spoons, forks, cups, covered jars and bottles, salt and pepper shakers, as well as many other things that add immeasurably to the tempting aspect of daily luncheons which have to be carried to school. The middle panel shows in the upper part a vacuum bottle in

a leather case and a nickel sandwich box of just the right dimensions, both from Hammacher, Schlemmer & Co., Inc. The first open box, showing a compartment for sandwiches and a vacuum bottle held by a clip is also from this firm. The small tin box like a suit case and the lower container with vacuum bottle are from Gimbel Brothers, and the three decorative tin lunch boxes with tightly fitting covers are from Mitteldorfer Straus, Importer



# Three meals—and one to grow on

*How to fill the school lunch box and satisfy the four o'clock appetite*

LETTIE GAY

**M**OTHER! I'm terribly hungry. May I have something to eat?"

Lucky the mother whose children herald their return from school in mid-afternoon with such demands. For a keen appetite almost certainly signifies glowing health and vitality. I don't mean, mind you, that indiscriminate eating is a good thing. But the after-school lunch may be counted a regular fourth meal, an essential one for hungry, growing children, especially when the evening meal is a family affair and not served until after six o'clock.

I have always felt that advice on school lunches should include some mention of that important after-school "little meal" as well as suggestions for box-luncheons and so, right here, before I go on to new recipes for sandwiches, I shall consider the four o'clock appetite.

It is best not to rely on the child's judgment as to the extent of the after-school "snack." Better than letting a nine-year old do his own foraging is to have waiting for him a small sandwich or some oatmeal cookies and a glass of milk. Have a special place set aside in the refrigerator where he can always be certain of finding his lunch and there will be far less temptation toward pantry exploration. Alternate the glass of milk occasionally with a glass of cool tomato or orange juice, particularly in warm weather.

The mother having a child whose interest in food is all too delicate whatever the time of day will find that a small glass of tomato juice or lemon and orange juice mixed together is a good stimulant, that the supper table appetite is likely to be more brisk than not if there has been an after-school "cocktail" of this sort.

In one well-regulated family that I know of, the three children have been trained not only to clear up any crumbs ensuing from the afternoon lunch, but to get ready at this time for next day's box luncheon.

**F**IRST of all, their lunch boxes are emptied of crumbs, rinsed with cold water and then in warm soapy water. Vacuum bottles are filled with cold water and let stand to loosen the film of milk, then filled with warm soapy water and scrubbed vigorously with a bottle brush. Small jars and spoons are similarly treated; all are rinsed in hot water and left in the dish drainer to dry. Since, in this family, the children take turns doing the supper dishes, it is deemed wiser to split up the work by this pre-supper wash up.

While one child washes up the boxes and equipment, another gets apples or other fresh fruit for next day's dessert, cleans the skins or, in the case of oranges, removes the peeling, divides the fruit into easily handled sections and, fitting the sections compactly into the original shape, wraps each prepared orange in waxed paper—all ready to pop into the lunch box next morning.

In this household there is not only a table, with a commodious shelf over it, kept free for lunch box supplies, but a special shelf appointed in the refrigerator for this purpose.

This arrangement of space makes for a minimum of confusion in the kitchen at that busiest hour of the day just before the children get off to school.

Another task which may be done ahead of time is the preparation of sandwich fillings. The mother of this family tries to have ready the makings of the next day's sandwiches—a pot of baked beans which require only mashing and mixing with mayonnaise to make a nutritious sandwich filling between slices of brown bread; stewed prunes to be mashed with cream or cottage cheese and a few chopped nuts; celery to be chopped fine and mixed with diced apple and cream cheese for a salad sandwich; the remains of a roast fowl to be cut into slices or diced and eaten with a lettuce leaf and mayonnaise between slices of graham bread.

Yes, mayonnaise! I know that it was once thought to be indigestible. So also were bananas, sweet potatoes, and many another food which doctors are now recommending for infants. Why not mayonnaise? After all, it is only a mixture of good pure oil, eggs, and lemon juice, any one of which is a food in high standing.

**B**AKED beans, too, were once on the black list as "heavy" and "indigestible." And, no doubt, too many would be hard to digest—that is true of most everything—but we now know that baked beans have value not only because they are a good substantial vegetable-protein food, but because of their high iron and sulphur content. Don't be too sparing of baked beans either in the school lunch box or for Saturday luncheons at home.

Speaking of bananas, have you ever tried a banana sandwich? Sounds pretty bad, doesn't it? But it is amazing how a ten- or twelve-year old takes to this viand, especially if the bread is spread lightly first with peanut butter moistened with mayonnaise. Squeeze a bit of lemon juice over the bananas to keep them from darkening too much and slice or mash lightly to make the sandwich adhere.

Ground or chopped nuts, kept fresh in a tightly closed jar in the refrigerator, are a great help in preparing box luncheons. You can almost make a sandwich out of thin air if it is seasoned with nut meats. Many people do not know that nuts are remarkable not only for flavor but as a rich source of iron, and in these days of the high cost of liver a new iron-rich food is worth knowing about.

Nuts function well in the salad-desserts that most children love. The old familiar Waldorf mixture of chopped apple, celery, and nuts is only a beginning in the list of salads which can be packed in a glass jar for the school box. Add to that recipe a bit of left over pineapple, fresh or canned, or a few slivers of pear, a few halved cherries, some canned apricots or peaches and you have—well, there are five different salads right there. And then, when celery is expensive, or you wish variety, you can use shredded cabbage instead of celery and a tiny bit of green pepper. Stewed prunes, pitted, stuffed with a whole pecan or with cream cheese; dates stuffed with finely (Continued on page 588)

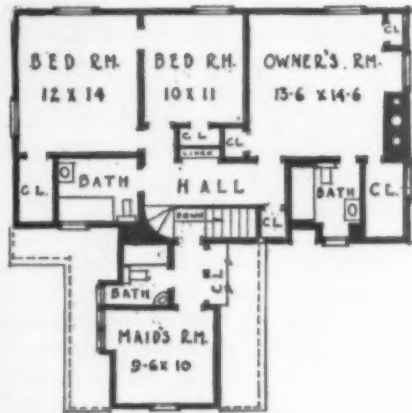
# The costs of building a house

*We consider the specifications*

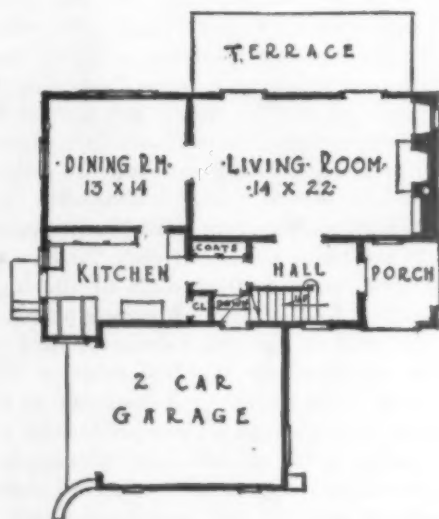
JULIUS GREGORY, A. I. A.



*The house designed by Mr. Gregory as the model for this series of articles on building costs*



*The floor plans of the house remain unchanged, while the house itself may be built of brick, stone, wood, or stucco*



*This is the last installment in the series of articles describing the various phases and costs of building a house*

**I**N PREVIOUS articles we have shown how the price of a given house may vary through the use of different materials and different forms of construction.

It is evident that while the various items of the specifications are not large when taken individually, when taken collectively they can represent a considerable investment. Therefore, it is extremely important that the specifications be gone over with the greatest care and the numerous important decisions made only after the home builder has acquired a thorough understanding of each material and its relation to the whole, as regards both price and utility.

It is the architect's business to see that his clients understand every phase of the plans before proceeding with the working drawings and that they have a thorough understanding of what is to be specified before the specifications are written. Of course, there is much that need not be considered, but when it comes to details of finish the owner should have every opportunity to see materials, know their costs, and make his decisions. With thoroughly studied plans and a knowledge of the various details including those of plumbing and heating clearly in the mind of the client, the plans and specifications can go out for estimate with the sure feeling that the house is going to be built with but few extras or changes.

In addition to the study necessary on the plans and specifications, and before this can be intelligently made, the home builder should list the expenses which are outside the cost of the house itself, but quite necessary before he can consider the house livable. These additional items which do not form a part of the usual building contract are landscaping, roads, walks, shades, electric light fixtures, stove, refrigerator, screens, fire insurance, rock excavation, oil burner, and in some cases water and sewer connections.

**I**T IS not unusual for the owner to pass lightly over these "extra expenses" and look only at the cost of the house as represented by the general contract. But these items have to be paid for and they are just as important to the total investment as the cost of the house itself. Some clients say, before building, that they will have these things done later, but they usually find that pride of ownership impels them to have them done right away. The result is that their finances are disrupted and their building venture causes them needless worry. It is only natural, once the plan has been decided upon, that the home builder is anxious to see work started and is the target for every builder in his vicinity. Each builder tries to "sell" himself and in the resulting excitement it is very hard for the owner to go through the tedious process of deciding on a definite specification before asking for figures. The more definite the specification, the more definite will be the estimates and by taking the time with his architect to make these specifications definite, the owner has the opportunity to save more money than at any other time during the whole program. (Continued on page 588)

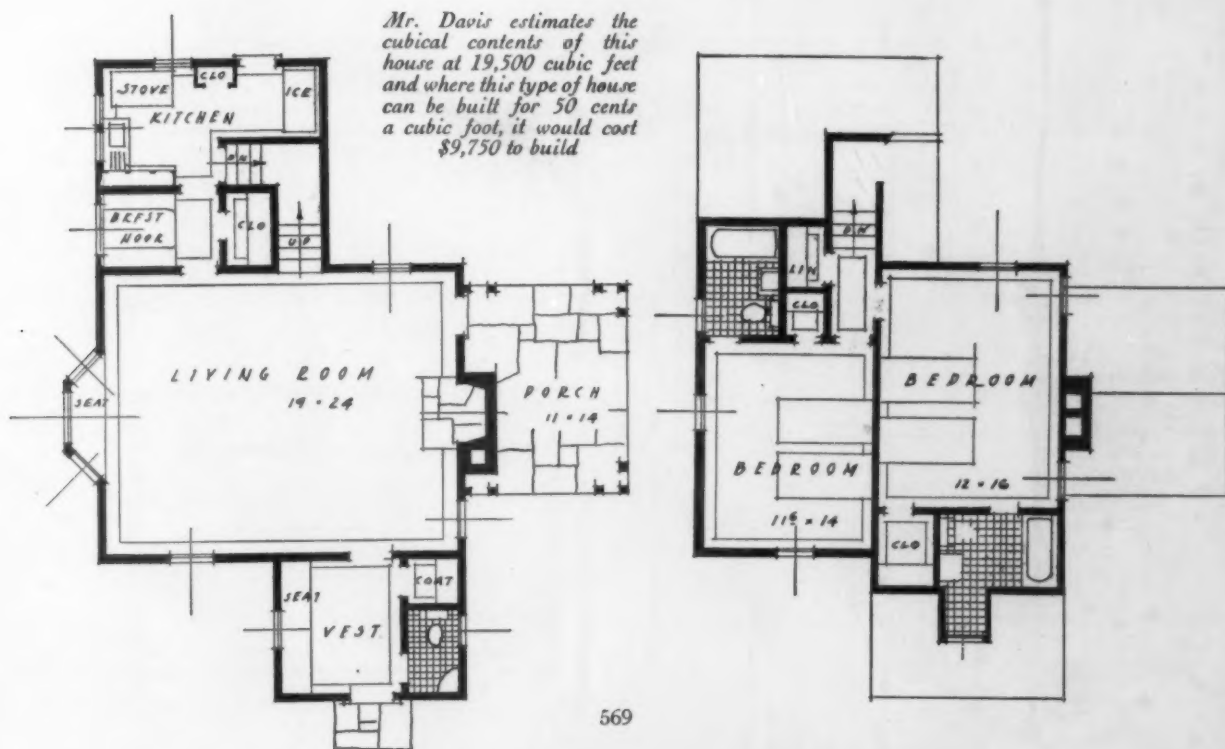


The designer of this charming four-room house in the Greek Revival manner, Theodore Whitehead Davis, suggests that shingles be used for the walls, wide shingles on the main body of the house, and narrow ones on the vestibule. These should be stained gray. Mr. Davis suggests that the shutters of the house be blue, the trim a cream color, and the roof stained brown. The chimney should be painted white with a black band encircling the top



## A HOUSE BUILT AROUND A LIVING ROOM

*A spacious cottage for less than \$10,000*



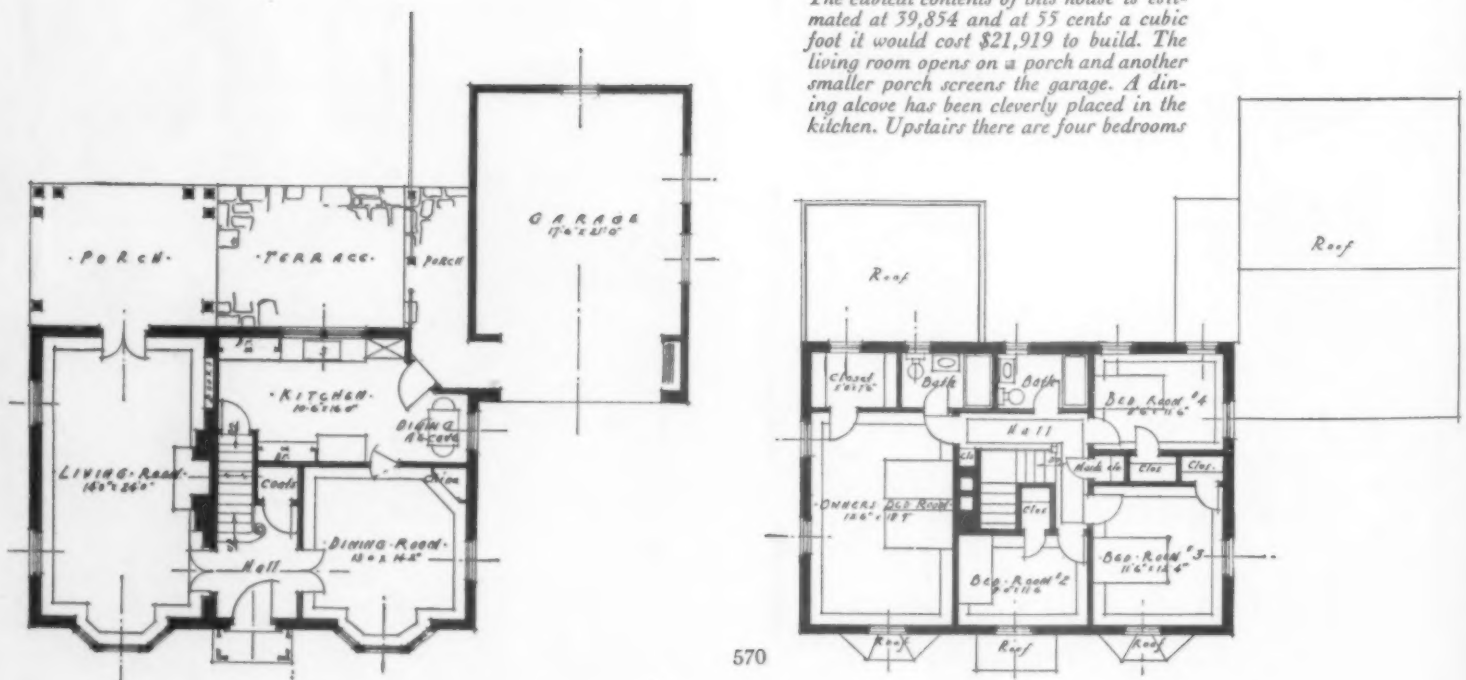


*Our forefathers of the early Georgian era, before the sombre days of Victoria, seem to have loved sunshine and fresh air as we do. Their houses had the big bays and large scale windows which have only recently returned to fashion. A noteworthy example of this style is shown above. It was designed for us by Godwin, Thompson, and Patterson*

## THE SIMPLE BEAUTY OF GEORGIAN ARCHITECTURE

*Brick walls and bay windows are charming features*

*The cubical contents of this house is estimated at 59,854 and at 55 cents a cubic foot it would cost \$21,919 to build. The living room opens on a porch and another smaller porch screens the garage. A dining alcove has been cleverly placed in the kitchen. Upstairs there are four bedrooms*

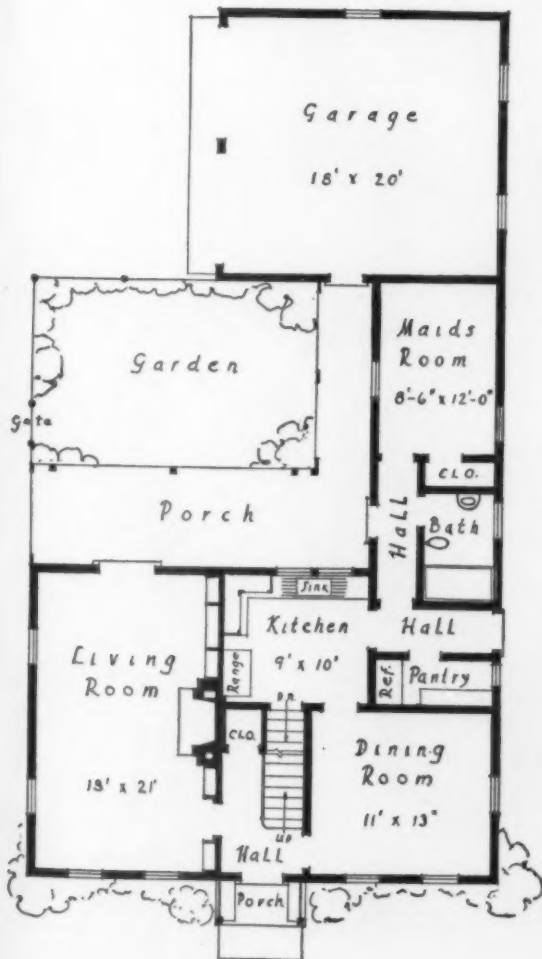






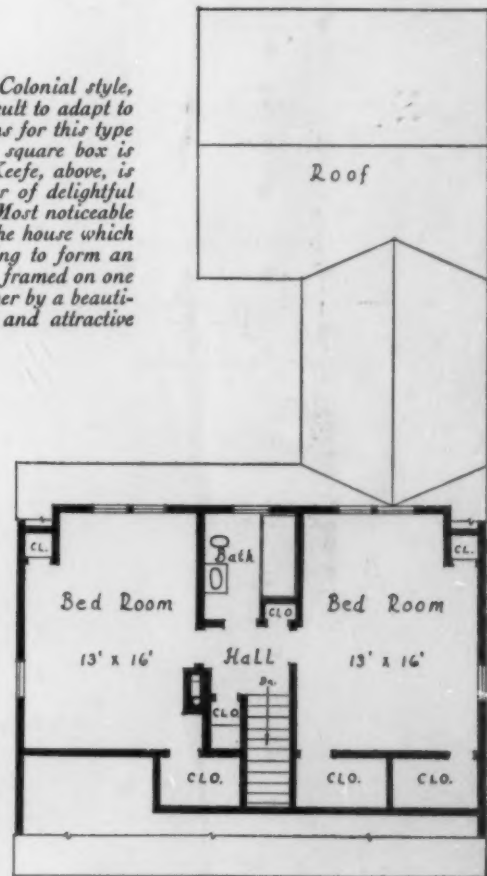
## AN INTERESTING AND UNUSUAL COLONIAL PLAN

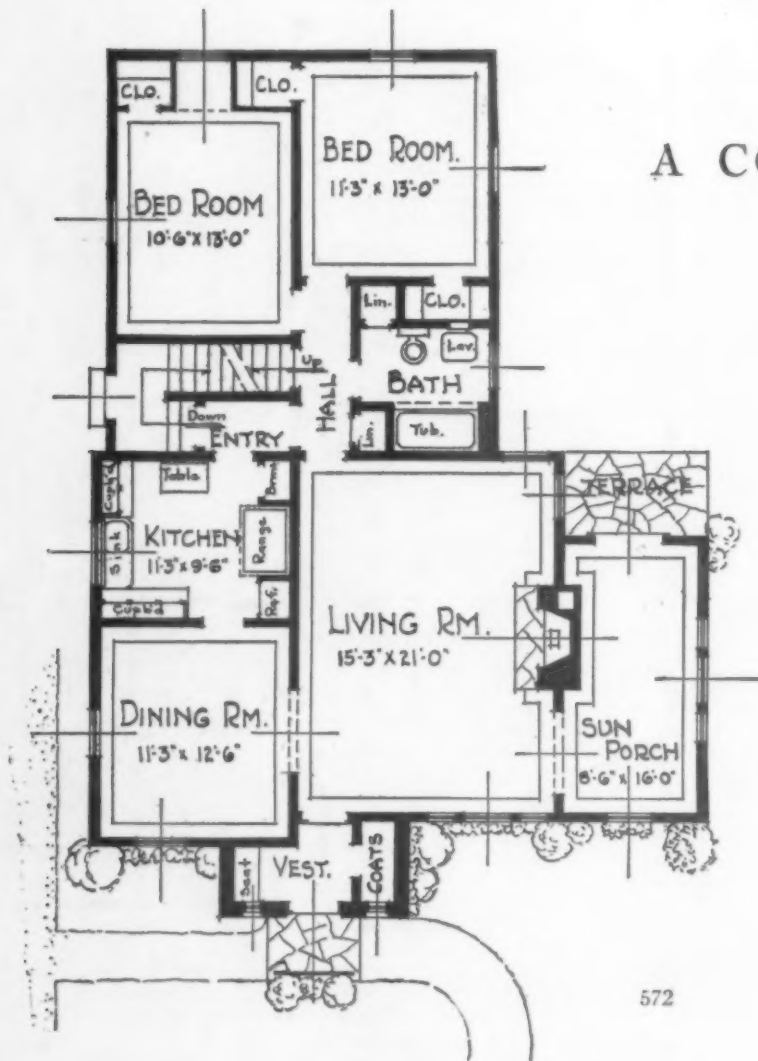
*Designed for THE AMERICAN HOME by Charles S. Keefe*



*The complaint is often heard that the Colonial style, while it is quaint and charming is difficult to adapt to modern needs. The critics say that plans for this type of house are always rigid and only a square box is possible. The house designed by Mr. Keefe, above, is pure Colonial and yet it has a number of delightful features that bring it right up to date. Most noticeable is the living room porch at the rear of the house which extends along the one-story service wing to form an arcade to the garage. Thus the garden is framed on one side by a low picket fence and on the other by a beautifully designed arcade, both practical and attractive*

*Mr. Keefe's house could be shingled or clapboarded and the color scheme would probably be the usual Colonial one of white or cream walls, a brown stained roof, and shutters green or blue. The architect estimates the cubage at 19,538, the house being 14,958, the service wing 2,080, and the garage 2,520. At 50 cents a cubic foot it would cost \$9,769*





## A COMPACT BUNGALOW

*Stone and wood lend beauty*

*to the design*

*Bungalows have always been popular in this country, probably because the plans are so practical. There is no restriction put on the layout of the rooms and the design builds itself up in a natural way. At the same time the low lines of the roof make the house seem to cling to the ground and give it an added charm*

*The entrance vestibule in this bungalow, which was designed by Willard B. Smith, has been particularly well handled. Fieldstone has been used for the walls and a wrought iron railing and lantern are attractive features. The living room is of good size and has a large fireplace. Opening off this room is the sun porch. It would be possible to develop the attic space in this bungalow, if desired. The cubage is estimated at 20,000 cubic feet and, at 50 cents a cubic foot, it would cost \$10,000 to build*





*The brightly plumed cock proudly greets each new day, but is apt to veer with the wind*

## A little house at the foot of a hill

MARJORIE LAWRENCE

*The dark Litchfield hills and green valley of the Housatonic River provide an entrancing setting for this little white house with blue shutters. Charles Wellington Walker was the architect*

ALMOST every day in the year someone buys an old Connecticut farmhouse and proceeds to bring it into step with the times in which we live. Often these efforts are crowned with success. More often still, the native simplicity and pioneer character of the house do not survive the changes it must undergo in order to satisfy modern requirements.

On the other hand, the newly built house that is not in keeping with the New England tradition is apt to be, quite literally, a blot on the landscape. Something along these lines must have passed through the mind of Mr. Allan McDowell when he decided to build the little white house which he and his family now occupy at Kent, Connecticut.

Mr. McDowell has abiding affection for the staunch, simple farmhouses that dot the peaceful valleys of the Housatonic river and snuggle among the Litchfield hills of Connecticut. His understanding of these dwellings, deep-rooted in New England soil, has been brought to bear on the task of creating a home which should meet his own requirements and yet become an integral part of the peaceful rural background he has grown to love.

The little white house is silhouetted against the dark mass of the hills which rise steeply just behind it. Smooth, green lawns lie at its doorstep. To the east, almost at its door, the swift-running Housatonic glides by.

In such surroundings, anything short of perfection would have been a crime against nature. The "rightness" of the house which was finally evolved is evident to the most untutored eye. It is built of white clapboard, with a steeply pitched roof of shingles, a brick chimney, and has two large dormer windows. The solid shutters and the panelled front door have been painted a pleasant shade of blue. Off the porch at the east lies a small, trim flower garden.

The detail of the house is its greatest charm and shows clearly its owner's interest in the old "land-lore" of the district. Across the façade, just under the roof, a frieze of reeding and scroll design has been applied which Mr. McDowell copied exactly from one he found on a Revolu-

*Photographs by George H. Van Anda*





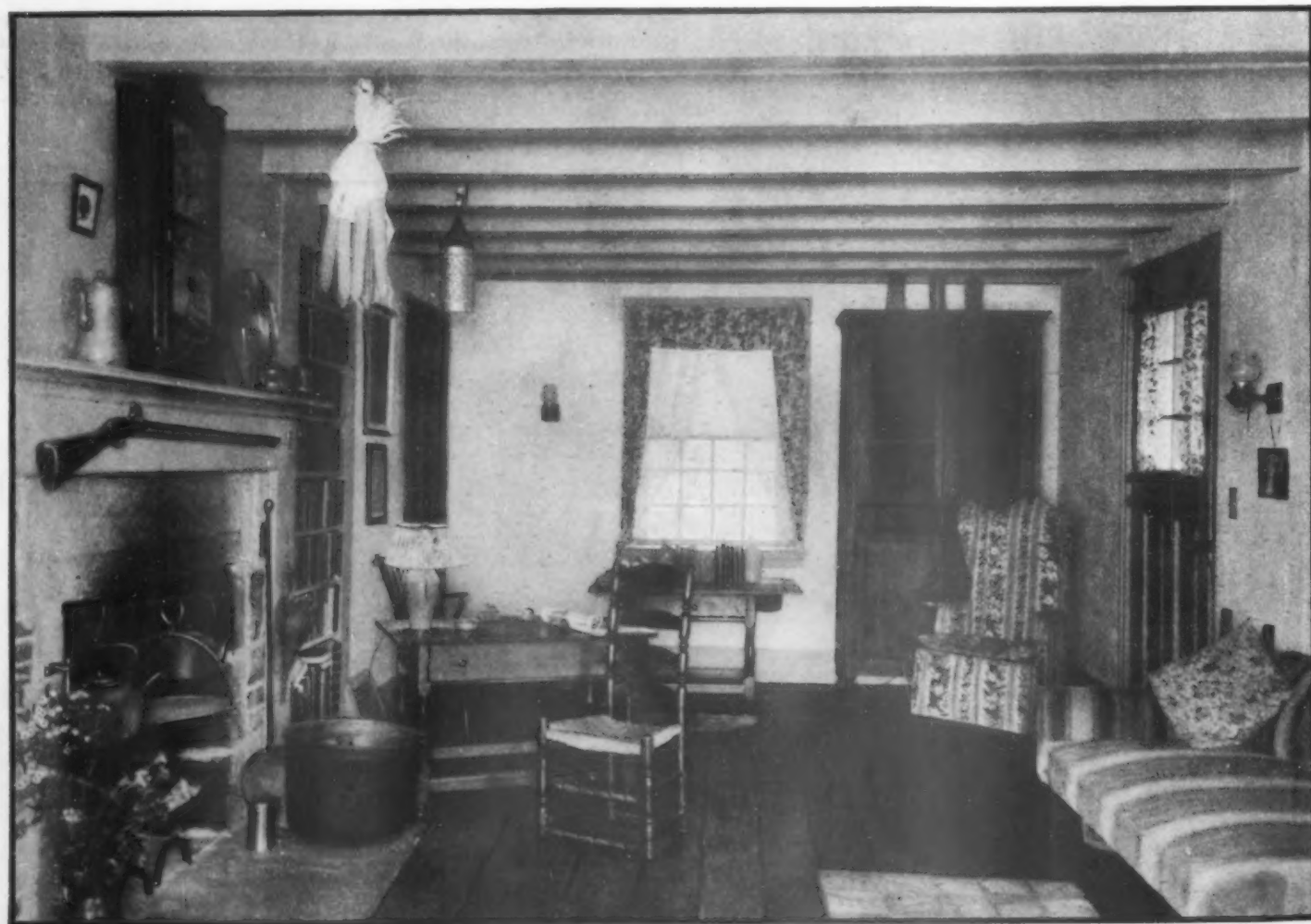
tionary house at Danbury. Directly under this frieze, over the doorway, a compass has been carved—symbolic of the profession of its engineer-owner. The date when the house was built, 1924, is also inscribed above the doorway, centered in the ornamental frieze.

When the front door opens and the visitor steps within, the boxed stairway rising steeply from the narrow entrance way is characteristic of many old houses in the district. The quaint, sprigged wallpaper with its prim scattered flowers on a creamy background has been cleverly selected to foster the illusion of antiquity. The living room is on the right of the entrance, and runs from front to back of the house, with a door opening onto the little stone-floored porch at the side.

The large, hospitable fireplace, occupying the central portion of one long wall is the focal point of the room, both in construction and arrangement. It has an aspect of mellow age that is surprising in a new house until one learns that Mr. McDowell ransacked the neighborhood for the "makings" of his hearth. The great hearthstone itself came from one of the oldest houses in the district (Continued on page 624)

*A fireplace constructed from portions of several Revolutionary hearths gives an air of gracious hospitality to this modern farmhouse. Bookcase and cupboards are nicely balanced*

*One end of the living room showing the livable arrangement of simple American furniture. Blue and burnt orange predominate. Even the wide floor boards suggest early Colonial days*





# The house that needs no repairs

*Securing permanency within the home*

TYLER STEWART ROGERS

**I**F HOUSES could be built so that they would never need repairs, Mount Vernon, Monticello, the old houses at Williamsburg, and the fine mansions of Salem would never have needed to undergo restoration in order to preserve them for this and future generations. The builders of these great manors and town houses built well in the European tradition, but they could not forever forestall the ravages of time. To-day, we think much less of building for future generations than did our ancestors. The modern objective in home building is to build more or less for the present, but to build well enough so that repair and maintenance expense during the subsequent years of occupancy is reduced to an economic minimum.

Last month, some practical suggestions were given for building the frame, the walls, and the roof of a house so that repairs on these parts would not be burdensome. Carrying the thought to the interior brings us face to face with another interesting set of problems.

Of these, the first is undoubtedly the construction of good plaster walls and ceilings. Plaster cracks and plaster stains quickly destroy the charm of an interior and demand immediate repair. It was explained last month that both of these faults may be attributed generally to defective framing and roof construction, for cracks are usually caused by warping or settlement of the frame, and stains come most frequently from a leaky roof or imperfect flashing. Nevertheless, with sound construction of walls and roof, perfect plastering depends also upon the use of a suitable lath or plaster base, and upon the craftsmanship of the plasterer.

**O**F the types of plaster bases, wood lath needs first mention because its use demands unusual care to secure perfect results. The lath used generations ago was far better than the commercial wood lath available to-day. The plastering itself was much thicker. Only these factors made the old walls reasonably durable. To-day wood lath is largely giving way to other materials. Among the less expensive forms are various types of wallboards and insulating boards. These materials are durable and serve their purpose very well. For best results, a strip of metal or wire lath

should usually be nailed across the joints before the plaster is applied. This serves as a reinforcement which might well be extended over the entire wall or ceiling area. Metal lath has earned a high place in home building, because of its fireproofness and relative durability. It holds the plaster in place by the keys or knobs of plaster that push through the

holes in the lath. A newer form of plaster base is composed of a welded wire mesh having a fibrous backing material, which comes in sheets stiffened with V-shaped steel ribs.

The use of these improved plaster bases will go far toward securing permanently attractive plaster surfaces. Nevertheless, it is somewhat disheartening to know that, with all of these precautions, perfection depends also upon the skill of the plasterer, because the material he works with is very temperamental and, unless the mix is just right and is laid on in the proper manner, it may dry out too rapidly or too slowly, or it may form fine hair cracks on the surface, or even blister here and there. These defects are not serious and indicate no structural weakness, but only skill and knowledge of good plastering can give assurance they will not appear.

Next in importance to the plaster surfaces are the floors which represent the balance of the visible areas within the home. It is not often that floors need to be repaired or replaced, because the materials generally used are quite durable in themselves. Nevertheless, a squeaky floor soon becomes intolerable, and one that opens up at the joints, leaving many cracks in which dust quickly collects, adds a burden on the housekeeper that surely should be avoided by proper construction methods. Squeaky hardwood floors are caused by looseness of the finished flooring which, in turn, is the result of a poor sub-floor and the use of improperly dried hardwood. If the underfloor is not thoroughly nailed, it will tend to curl slightly when heat is applied. This gradually loosens the nails which hold the hardwood top floor to the sub-floor. Likewise, if the hardwood dries out under heat, it draws the nails from their tight position until the boards rub against one another.

The problem is solved by using seasoned underflooring laid up tight and very thoroughly nailed to the floor joists, and then by laying a hardwood top floor of thoroughly kiln-dried lumber. Do not let the floor layer skimp the blind nailing of your floor and do not use less than  $\frac{3}{8}$ " hardwood flooring, unless you are surfacing an old hardwood floor that is in itself in fairly good condition. The drying out of hardwood floors is likely to occur even with the best of jobs, unless the air within the home is properly humidified during the winter season. There is a new type of hardwood flooring that is chemically treated to minimize the absorption of moisture and the consequent warping and shrinking. Such floors may also be laid in the form of blocks or tiles which are cemented to the underflooring, using a mastic that always retains its resiliency.

Linoleum and rubber tile floorings depend even more than hardwood floorings upon a firm, smooth underfloor. They are best laid upon hardwood strip flooring, even though the latter is a cheap grade of yellow pine. The reason for this



is that eventually there will show through on the surface any cracks or defects in the underflooring, unless a heavy felt layer is interposed.

Floors of ceramic tile, brick, stone, or the modern compositions resembling stone in appearance, seldom require repair. They demand a firm foundation of cement.

Of next importance are the doors, windows, and trim. The beauty of interior trim around doors and windows, along the baseboards and chair rails, or in the form of paneling is readily marred if the wood dries out and causes the joints to open up. Proper humidification diminishes this tendency, but another precautionary step may be taken by having the builder paint the back of the trim with a priming coat of lead and oil before it is set in place. Of course, he should use kiln-dried lumber which has constantly been sheltered against exposure to excessive moisture to avoid possibility of warping.

Doors that do not fit or latch easily are an abomination to meticulous home owners. Troublesome doors may be caused either by faulty framing that allows settlement so that the doors no longer fit the frames, or it may be caused by warping of the doors themselves. For a matter of ten dollars or so, one can buy a well-designed door of solid wood with solid paneling. Such doors have only one fault—they expand and shrink with the seasons and the moisture content of the air, and they may warp in the process. When this occurs, the latch that seemed to work so well at first, no longer functions properly. Blame the door rather than the hardware. It costs considerably more to get a well-made door that is built up of many pieces of wood with veneered surfaces. Such doors may cost from fifteen or twenty dollars to more than a hundred dollars apiece, but they never warp or shrink the slightest bit.



The electric system should last a lifetime

A well-made window should neither rattle nor bind; it should operate silently, and its repairs should be confined to periodic repainting. To secure this ideal with metal windows—particularly the casement type—one should select the sturdiest types. Competition has forced the introduction of cheap grades which are made of light metal that may twist some day when closed against an obstacle, or when exposed in an opened position to heavy winds. Once a metal window ceases to fit snugly, it is indeed difficult to bring it back into alignment; the heavier forms are superior in this respect and they generally make a more weather-tight opening.

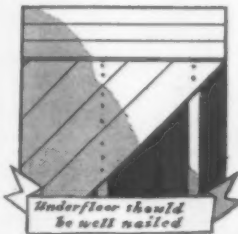


The film of paint keeps out moisture

Wood casements require special care to eliminate warping when the window is opened to showers and hot sunlight. The lighter weights of sash—usually  $1\frac{3}{8}$ " thick—should be avoided; the heavier weights— $1\frac{3}{4}$ " or more—are much better. The contractor should be required to paint them thoroughly as soon as they have been fitted. The film of paint keeps out moisture. With double-hung windows, the principal precaution is to paint them thoroughly and preferably to fit them with weather-stripping. The latter tends to keep them from rattling, whether opened or closed, and makes them more weathertight.

In spite of the importance of plastering, floors, and wood work, one cannot overlook the fact that the average home owner's idea of a repair man is a plumber! It is regrettable that the mechanical features of the home—

the heating, plumbing, and electrical systems—so often call for repairs and replacements when it is so easy to make these systems practically troubleproof. There is no secret about this matter. Pipes will leak at the joints if the joints are not made tight. Faucets (Continued on page 602)



Underfloor should be well nailed

Sketches by Harry Cimino





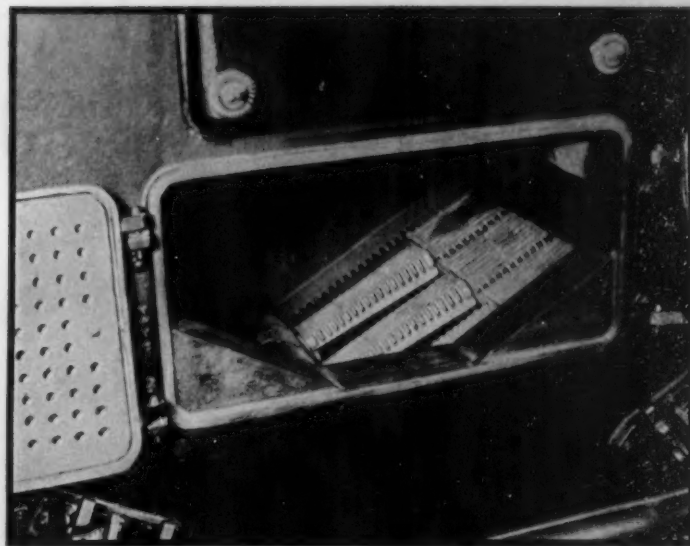
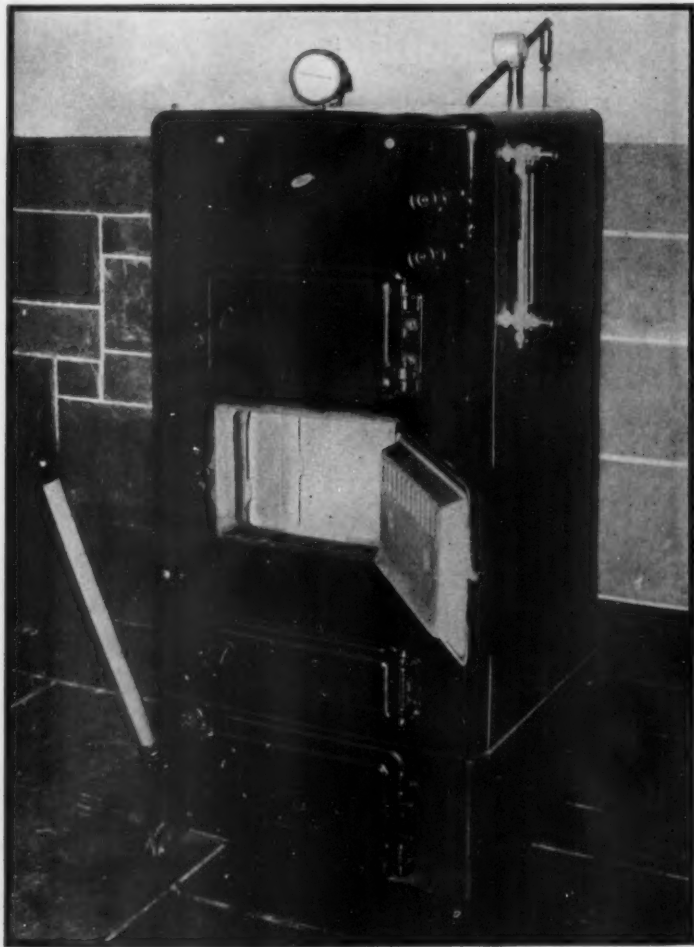
# A heating primer

*Essential facts about modern methods*

HENRY HUMPHREY

*Sloping grates are distinctive features of magazine-fed boilers in which a supply of small-sized coal is put in a hopper at the top of the boiler whence it feeds into the fire pot by gravity*

THE developments in the househeating industry have been so rapid in recent years that much of the equipment to be found in houses more than five years old is out of date, and a person building a new house must read current periodicals and advertisements to keep abreast of the times. In an article in the August issue of *THE AMERICAN HOME* the latest developments in oil burners were described. In the space allotted to us here, we shall try to pick out the high lights of heating equipment not mentioned in the previous article. It is, of course, an enormous subject, and we cannot enter into technical details. When a certain heating system has been decided upon, or an alteration selected for your present system, it is advisable



*Photographs by Mayer-Kuck*

to discuss the details with the heating engineer on the staff of a reliable manufacturer.

There are, of course, four principal heating systems: warm air, steam, hot water, and vapor vacuum. Each one of these systems has been so improved and refined in recent years that they are but little like their predecessors.

The first improvement came in hot water systems. The public noticed that the ugly cast iron radiators of other years were giving place to slimmer, more graceful models. At the same time, we realized that a hot air system working on the gravity principle could not force hot air into the constantly cold rooms which needed it most. Hot air, which had previously been the most popular system, began to lose ground rapidly. Hot water boilers were more scientifically planned and were beautified. Radiator valves, living room thermostats, and other little refinements combined to put hot water heating well in the lead.

HOWEVER, as is usually the way, competition only increased the quality of the competitive products. Hot air heating did not succumb. Its backers were certain that heating by air was a good method, in their eyes the best, furthermore it was admittedly the most healthful and was, besides, simple and flexible. Science entered the picture, and sought to eliminate the weaknesses of the system. The furnaces were redesigned to submit the air to greater heat, thus making them more efficient and less expensive to operate. At the same time, the distribution of heated air through pipes was more carefully studied, and it was found possible to deliver more warm air at less velocity than the previous hot air at high velocity.

Warm air heating found itself faced by one further obstacle. The heated air circulates through the house by gravity. Warm air is light and rises; cold air sinks. In most rooms in the house the heated air enters through a register on or near the inside wall, and flows toward the cool outside wall. As the air cools, it sinks, and is conducted back to the furnace by a register on or near the outside wall. In those

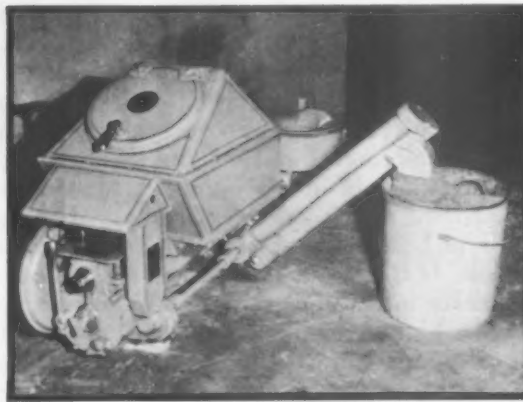
*Although beauty, in a boiler, is only skin deep, handsome is as handsome does. An attractive boiler is worse than useless if it is not efficiently designed to heat your home economically. But attractive exteriors make boilers presentable in any downstairs room*



*Experts are agreed that gas heating is efficient and practically automatic. In those sections of the country where gas rates are low, such a boiler as the one shown above, with a covering which completely hides the valves, is always popular*

disadvantages. A good gravity system is inexpensive, healthful, because the air is properly humidified, and quick to respond. Modern furnaces are coal gas proof, and the addition of an air filter cuts out the dust particles which, when scorched, made an objectionable odor.

The advantages of hot water heat are many. Water is easily distributed through the house and it is slow to cool. At the same time, hot water boilers are less bulky than warm air furnaces, and can be put away in a corner of the cellar. They do not need to be centralized as is the case with a warm air furnace. Boilers may be of the old, cast iron type or of the newer, steel type. The heating surfaces have been increased by scientific planning, so that less coal will heat the same amount of water. At the same time, the fire pots have been made bigger so that the boilers need less attention. They will hold a bigger charge of coal and will burn it more thoroughly, due to improved grates and drafts. Those which have colorful insulated coverings make an attractive addition to a downstairs playroom. (Continued on page 598)



*It is now possible to feed coal in small sizes to the fire almost like oil in an oil burner. In the model shown at left, the ashes are withdrawn automatically into the covered pail*

rooms that are on the north side of the house, this circulation is often less efficient, and in severe weather may break down altogether. This may also be the case in rooms that are far removed from the source of heat. The air may become too cool in its progress through the pipes to circulate in these rooms at all.

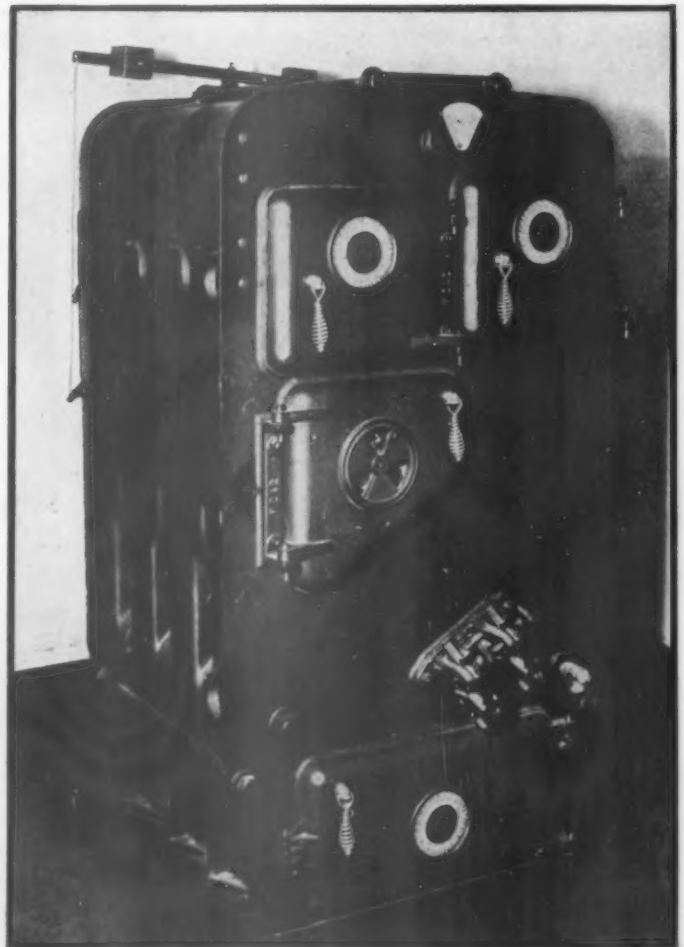
Hitherto the remedy for this deficiency in circulation has been to install a "combination" system, heating the cold rooms with hot water which is generated in a "water back," a supplementary boiler, installed in the warm air furnace.

It is now possible to get at this difficulty in a new and thoroughly scientific way. A fan, put in the cold air circuit, will pull cold air from the outside and force it through the furnace and up to the cold rooms. And, of course, in summer time, when you do not have the furnace going, the fan will force a current of cool air through your house.

There are two types of fan installations: those which are in constant operation, and those, known as "booster" fans, which go to work only in very cold weather, when there is a demand for their services. The former, when well designed and carefully installed, are not noisy, nor do they operate in such a manner as to burn out the furnace. The "booster" fans are, for small houses, perhaps the more practical. The difficulty with these is that pipes to second floor rooms in a gravity system are smaller so that they will exert a "chimney effect" on the warm air. If a fan is put in such a system it will blow more warm air through the larger pipes of the first floor rooms.

Heating with warm air, like every other heating system, has its advantages and

*Both the magazine-fed boilers and the automatic stokers use less expensive types of coal and require attention only once a day, or, in mild weather, perhaps once a week*





# The fall planting habit

*A good thing to keep in mind just now*

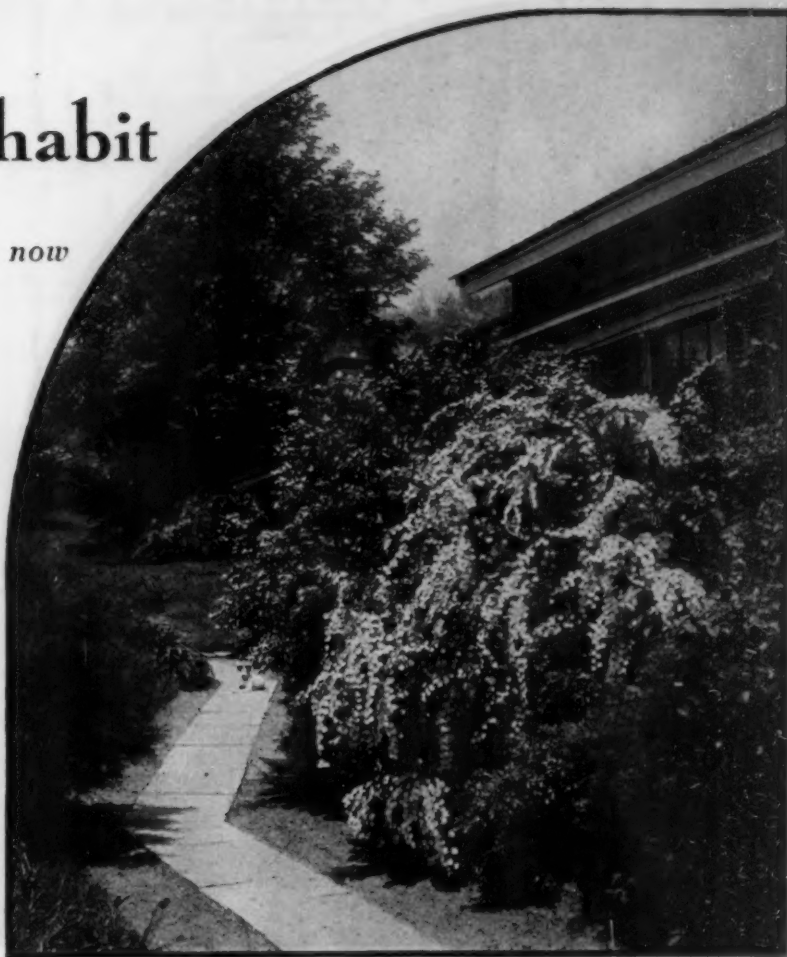
ROMAINE B. WARE

**F**OR the good of your garden get the fall planting habit. I know it does not seem like the natural thing to plant in the fall when the garden year is just about over and Mother Nature is already putting her children to sleep but nevertheless if you want the best results possible, fall planting must be the rule. Let us analyze the condition of plants in the fall and spring and see just why the experienced gardener recommends the fall of the year for planting.

Consider such a shrub as Spirea (or Bridal Wreath) for example. In the spring with the first suggestion of warm days the sap begins to flow, the buds are swelling, even while the soil seems cold and wet, every stem and branch is alive with the urge of the coming year. Soon it is time for branch and leaf and flower to burst forth, every rootlet is called upon to do its utmost in supplying the needed sap. Every part is functioning, everything is in perfect balance. All this takes place very early, so early that even the most enthusiastic gardener has hardly begun outdoor work, in fact under average conditions outdoor garden work would be impossible because the soil is not dry enough to work.

Now let us look at a similar plant in the fall. Conditions are very different, as the days get shorter and the nights cooler, all growth gradually ceases, the life giving sap ceases to "run," frost removes the ripened leaves and the plant is at rest. A plant at rest or dormant in the fall is somewhat like a human being under an anesthetic, you can do many things to it that could not be done while it was actively growing and full of vitality. While our plant is dormant it may be dug up and moved, even over long distances, with little danger of injury. Nurserymen take advantage of this and the majority of shrubs sold in spring are dug from their nursery row in the fall and heeled in (their roots covered with soil) in storage cellars where they remain dormant till spring.

**B**UT there is a difference during the fall and winter between the plant heeled in in the storage cellar and one which has been planted in the garden. Nature is far wiser than most of us realize and even while the plant seems to be perfectly dormant with no growth taking place, there is root activity. The newly planted shrub that had many of the fine rootlets destroyed by the digging and resetting immediately starts to grow a new set. Unless the ground freezes as deep as the roots of the plant, this root growth continues more or less all winter. Then when the days begin to lengthen and the sap starts to rise the fall planted shrub is already partially established and by the time it would be possible to do spring planting, most fall planted subjects (all other factors being equal) are growing vigorously.



*The shrubs that bloom in the spring are particularly grateful for fall planting as they can start early. (Vanhoutte Spirea and Bush Honeysuckle are shown in the photo)*

If, in the spring, you plant dormant stock that has been carried over the winter—heeled in and kept dormant till planting time—you lose the advantage of the late fall and winter root growth and the gradual awakening early in the season. Of course this kind of stock, with one exception, is best if planting cannot be done in the fall. The exception is the purchase of shrubs that may be moved with a ball of soil. Plants with the soil upon their roots intact, may be safely moved at almost any time of the year. If, however in the spring you try to dig up and transplant a shrub in the usual way without soil upon its roots, thus exposing them to the drying action of the air, you will check active growth that may even result in the death of the plant. Similar conditions exist with trees.

As for herbaceous perennials there is likewise a great advantage in fall planting, though a large part of our perennials are transplanted with a goodly ball of soil. Early fall planting gives them a similar advantage of fall and winter root growth and the spring awakening in their permanent places. Such late blooming things as Japanese Anemones, Chrysanthemums, and Fall Asters are best left till spring to transplant as they will then still have a long growing season to establish themselves before flowering time.

Another distinct advantage to fall planting is the great saving in time. No matter if the spring days get longer and longer there never seems to be enough time to get all the needed tasks done, while in the fall there is usually a lingering on of pleasant days even after an early freeze has ended all growth. In sections where there is danger of the ground freezing up before all the work is done it is frequently possible to cover certain areas with heavy layers of hay. The frost



*Of course you plant in fall the spring flowering bulbs. Tulips among Forget-me-nots in the garden of Dr. and Mrs. Harold Thompson, Laurelhurst, near Seattle, Washington*

will be slow in penetrating the hay, and thus much work may be done that otherwise would be impossible.

There are two most important points that must not be overlooked in the care of all fall planted materials. They must be kept moist till the ground freezes up, as root growth cannot take place in dry soil. Plants must not freeze dry. See that the entire garden, not forgetting the trees, receives a thorough soaking during the late fall, but not so early that it may stimulate new growth which will not be matured and so will winter kill. A great deal of winter injury is due to freezing dry.

The other important point is applying a substantial mulch after the surface is frozen. While the plants make some root growth after they are set out, there is not the firm anchoring to the soil that is found in thoroughly established material. Alternate freezing and thawing has a tendency to lift the plants out of the soil; the mulch keeps them frozen and largely prevents such injury. You must not apply the mulch till the ground is frozen because if applied earlier it will prevent natural freezing and by keeping the ground warmer may stimulate plant activity that would be detrimental to its wintering properly. Have all your mulching material ready before it is needed because when the time arrives to apply it, there should be no delay. Hay, straw, leaves, cornstalks, and similar material are suitable for mulching. Be careful how you use leaves from soft-wooded trees as they mat down when wet and are inclined to smother the peren-

*Delightful summer bloom in a New England garden. Peonies are always best when fall planted; White Phlox and Larkspur are also often set out then*



nials. Around shrubs and trees they are all right. Hay and straw are best though the latter breaks up badly, is generally full of chaff, and for this reason difficult to clean up in the spring. Coarse wild hay is the ideal material and it may generally be bought by the bale at feed stores.

Where buckwheat hulls are available, they are an excellent mulch as is also peat moss, though neither of these will take the place of a straw or hay mulch where severe winters are the rule. One of the important functions of a mulch is to keep the snow from blowing away and cornstalks or the boughs of trees are valuable here.

THE use of fertilizers with fall planted material is little understood by the average amateur. Something should be used that will become available gradually during the spring as it is needed. If well rotted barnyard manure is available it may be mixed with the soil down below where the roots can reach out to it as they grow. Never mix it with the soil in immediate contact with the roots. In lieu of barnyard manures, bone meal has long been a favorite, but its use is little understood. Raw bone meal and coarse ground bone or button bone make an ideal combination to use when planting things in the fall. The raw bone meal becomes gradually available supplying nitrogen in small quantity beginning about sixty days after being applied while the coarse ground bone will become effective later. The bulk of the substance is phosphoric acid that is very slowly liberated for some years subsequently.

The difficulty with bone meal and also with all commercial fertilizers is that they do not add any humus to the soil. Humus plays a most important part in the upkeep and fertility of the soil and by our modern methods of cropping is sadly deficient. It may be supplied by the addition of leaf mold, compost, green manuring, commercial humus, and peat moss. Humus makes soils more porous, improves drainage, and at the same time aids in retaining moisture, but one of its most important functions is the increase of bacterial action so necessary in making plant foods available.

Fall planted Rose bushes will make substantial root growth during the open weather of fall and winter and be already for an early awakening in the spring. They will be substantially ahead of plants set out in the spring, provided, of course, they are properly protected over winter. Unless you attend to them correctly you had better wait till spring to plant them as Roses do (Continued on page 618)



# DAHLIAS RECLASSIFIED

As recommended by American  
Dahlia Society



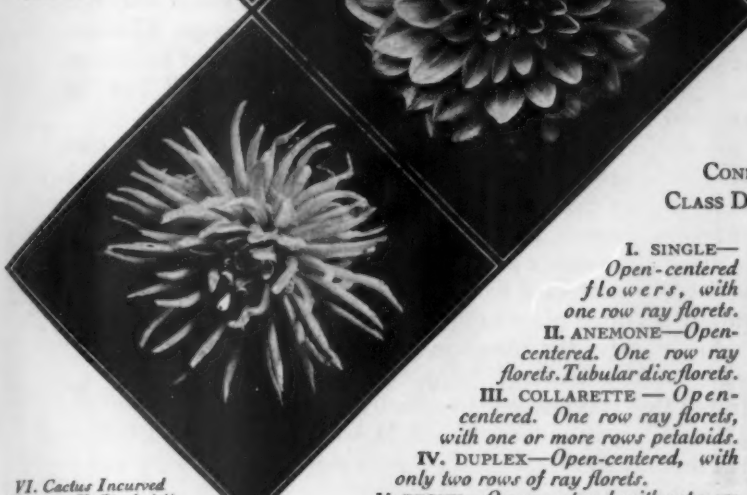
X. Informal Decorative  
(Kathleen Norris)

IX. Formal Decorative  
(Dr. John H. Carman)

V. Peony  
(Dahliadel Glory)



IV. Duplex  
(Rarely seen)



VI. Cactus Incurved  
(Florence M. Stredwick)

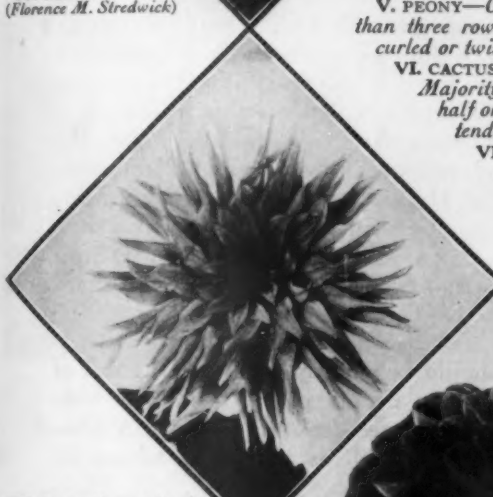


II. Anemone  
(Ada Finch)

## CONDENSED CLASS DEFINITIONS

- I. SINGLE**—Open-centered flowers, with one row ray florets. *of the rays revolute less than one half of length.*
- II. ANEMONE**—Open-centered. One row ray florets. Tubular disc florets. *IX. FORMAL DECORATIVE—Fully double. Slightly or not revolute, rays somewhat regularly arranged, pointed or rounded. Outer rays tending to recurve; central rays somewhat cupped.*
- III. COLLARETTE**—Open-centered. One row ray florets, with one or more rows petaloids. *X. INFORMAL DECORATIVE—Fully double. Margins slightly or not at all revolute, rays generally long, twisted or pointed, and irregular in arrangement.*
- IV. DUPLEX**—Open-centered, with only two rows of ray florets. *XI. MINIATURE DECORATIVE—Like IX or X, less than three inches diameter.*
- V. PEONY**—Open-centered, with not more than three rows of ray florets. Smaller curled or twisted rays around disc. *XII. BALL—Fully double, ball-shaped or flattened, rays in spiral, blunt or rounded at tips, quilled or with involute margins. Two inches or more diameter.*
- VI. CACTUS INCURVED**—Fully double. Majority of rays revolute for one half or more of their length, and tending to curve toward center. *XIII. POMPON—Same as Ball, but less than two inches in diameter.*
- VII. CACTUS RECURVED AND STRAIGHT**—Fully double. Majority of rays revolute for one half of length or more. *XIV. UNCLASSIFIED—Not in I to XIII.*
- VIII. SEMI-CACTUS**—Fully double. Most

Photographs collected  
by D. W. Hart



VII. Cactus Recurved and  
Straight (Ambassador)



I. Single  
(Scarlet Century)



XII. Ball  
(Mr. Chamberlain)

III. Collarette  
(Mt. Lesser)



VIII. Semi-Cactus  
(Oriental Beauty)



XI. Miniature Decorative  
(Little Jewel)

THE proposed new classification is submitted in an effort to clarify the difficulties that have developed with so many varieties that straddle the border lines of the old Cactus and Decorative definitions. The word Hybrid as part of a class description is abolished and the new Ball class includes the old Show and Fancy. The full definitions of the classes I to XIV will be found on page 388 of *The American Home* for June. The really essential points are given in a very condensed form above.

# Aristocratic Delphiniums

*Why don't you grow them too?*

LINDA C. HINES



*Late summer and early fall sowing will give Delphinium plants which are strong enough to carry through the long, cold winter months. It is quite important for successful results to use seed just as fresh as it is possible to get it*

CAN you imagine a really wonderful garden lacking this aristocrat of the flower kingdom? Most of us, at last, know that the vital requisites of a success-venture with the regal Larkspur are a porous sweet soil, rich in fertilizing elements, and with perfect drainage. Climate, of course, plays its part, but Delphiniums are not fastidious and seem to acclimate themselves readily to all but the tropical belts.

A really honest-to-goodness Delphinium fan sows his own seeds and grows his own plants. The beginning gardener is wise to buy his Delphinium stock the first season from a specialist grower. Back in the storehouse of my own garden memory is an ounce package of Belladonna Delphinium sown moist and protected from the sun's rays with lath shades. It produced three plants only.

Frequently, the question is asked, "What is an average yield of Delphinium?" Barclay, a specialist, has demonstrated that it is possible to grow from nine to twelve thousand plants from an ounce of seed. However, this grower fails to tell us that a certain rather low temperature is necessary to perfect germination and that only the ordinary acclimated and standardized varieties give this yield. One is fortunate to obtain from the very doubles or the highest pedigreed strains as many as three hundred plants. Even this number will contain a small percentage of super-plants, however.

Any experienced nurseryman will disclose that the Delphinium in such varieties as Belladonna, Bellamosum, Formosum, Gold Medal Hybrids, also the Chinese strains will germinate as satisfactorily in outdoor beds as in flats under glass. This does not mean haphazard sowing in carelessly prepared seed beds. There are provisions. First of all, one's seed should be the harvest of a recent season and alive with vitality. Again, the sowing must not be in torrid weather. And lastly, the beds should be slightly elevated, the soil of ash-like consistency and a litmus paper test (the blue color turning to red) giving proof of non-acidity. A Delphinium hates acid soil as much as a Lupine adores it.

THERE is a generally prevalent idea that midsummer is the accepted season for sowing all perennial seeds. This should not apply to Delphiniums in the warmer belts of the country. All members of the Larkspur family whether blue-blood or plebeian are extremely cold-blooded. Delphinium seed will not germinate satisfactorily during excessively hot weather unless artificial means of lowering the temperature is resorted to. The cool nights and days of early September give good results especially if the seed has just been harvested.

Remember though, there is one disadvantage to promiscuous fall sowing in most localities—the wintering over of seedlings. However, this can be successfully accomplished provided the seed bed is a coldframe which can be covered with glass or canvas. If seed beds are prepared in the fall, outdoor sowing may be made in the very early spring. The heaviest germination I ever accomplished was from seeds of an improved strain of Belladonna and Gold Medal Hybrids sown on February 14th (here in North Carolina) in the open. The plants were showing before the fruit trees bloomed and were absolutely indifferent to late spring frosts.

In making up a list of varieties, we Americans, unlike our English friends, are more inclined to select strains rather than named individual kinds. (Continued on page 618)



# Gorham presents

# "THE HUNT CLUB"

The distinguished new  
1931 Sterling inspired by  
the traditional elegance of  
the Hunt Breakfast



### Masters of these Famous Hunts

*Harford... Middleburg  
Norfolk... Onwentsia*

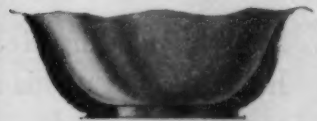
... are now using the "Hunt Club"  
Sterling in their beautiful country estates



The New "HUNT CLUB" Sterling is as smart for the intimate dinner as for the most formal entertaining. Dinner knife and fork and tablespoon shown.



Coming home after the hunt at Harford—Harry I. Nicholas, M. F. H., in the lead.



Gorham artists designed this beautiful punch bowl as a trophy for the Autumn race meeting of the fashionable Harford Hunt at Monkton, Maryland.

**I**N the sparkling elegance of the Hunt Breakfast, Gorham artists have found inspiration for this suave, distinguished new Sterling—the "Hunt Club."

Already, masters of the smartest hunts in America are using the "Hunt Club" pattern in entertaining at their magnificent country estates.

Among these renowned sportsmen-hosts are Harry I. Nicholas, Esq., Joint Master of Fox Hounds of the famed Harford Hunt—Daniel C. Sands, Esq., Master of Middleburg—Henry G. Vaughan, Esq., Master of Norfolk—Austin N. Niblack, Esq., Master of the Onwentsia Hunt.

Like the ceremonial of the hunt, Gorham's new "Hunt Club" is in the high tradition, inheriting from the elegance of silver created in the days of great manors and princely hospitality. Yet its clear, cool simplicity of line is as unimpeachably modern as the smart men and women who today ride to hounds.

When you see the "Hunt Club" Sterling at your own jeweler's, you will appreciate the elegance of decorative detail—notice in each lovely line the mark of the master... in subtle, long curve of knife handle... lovely contour of spoon bowl... delicate fluting of stem.

Yet Gorham's "Hunt Club" is quite within your means, for a complete service for eight may be bought for only \$227. Beautiful hollow ware to match is also moderately priced. Each piece is identified by the name "Gorham" on the back or base.

Your own jeweler will gladly give you a beautifully illustrated 18-page booklet, "The Hunt Club," showing all the popular pieces in the new 1931 Gorham Sterling. Or send this coupon to The Gorham Company, Dept. J-12 Providence, R. I.

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## The art of hanging pictures

*Continued from page 560*

using the room and also has some relation to the surrounding wall spaces and furniture. A tiny picture alone in the center of a large wall is obviously ridiculous, for a picture, or picture group, ought to bear some relation to the proportions of the walls and furniture in the room.

The correct height of a picture from the floor is determined by the line of sight of an average man standing in the center of the room. The center of the picture should be about on a level with his eyes.

If it is desirable to hang three pictures of different sizes in a line on one wall, they should be hung so that the centers are all on a line regardless of the tops or bottoms of their frames. This makes an arrangement that is balanced and in repose. The smallest picture may be in the center and the two larger on the flanks or, as in figure 1, where the order is reversed, the large picture may be in the center flanked by two smaller ones. But the centers of all are an equal distance from the floor.

A similar arrangement to the one in figure 1 is often very handy and effective in bedrooms. The glass hung above the bureau may be considered as though it were a picture in the center of a group and two pictures of smaller area may be hung one on each side of the mirror, as on page 559.

Mirrors are generally too heavy to be hung except by wire from the picture molding. The lightest wire strong enough to support the weight is best and the place where the wire is attached to the back determines the angle at which the mirror will tilt forward from the wall. This should be arranged to suit the needs of the individual.

In rooms with high ceilings, a picture may be hung above the mirror if it is a subject that can be easily identified from the floor, but it is absurd to hang pictures with small figures too high for anyone to see clearly what they are.

The rule governing the height of a picture—that it be eye-high from the floor—is a sensible one and therefore controls the key position of any group of pictures. It is often highly desirable

to group pictures so as to form one large important and related group. For instance, suppose you have one fairly large picture and several small ones, and a large wall space with a divan or table in the center of it. Obviously, a grouping of all these pictures in the center of the wall over the article of furniture is going to be more effective than using just one. By hanging the large picture in the center and arranging the small pictures around it according to their shapes and sizes, an important group is formed of items which, taken by themselves, might be too trivial to use.

This grouping is very familiar in old colonial houses with pictures in oval or round frames, like old silhouettes, daguerreotypes, and the like; or with some of the colored French prints. One successful arrangement of six small pictures grouped around a larger one is illustrated on page 560. Etchings should generally be grouped.

Two groups sometimes seen in rooms that are restless and thoughtlessly decorated are shown in figures 2 and 3. An arrangement which is "staggered" is by its very definition out of balance and uneasy. Pictures hung in steps make the wall on which they are arranged seem oddly lopsided and disturbing. Divided into triangles, they fail to fill the space in a balanced repose; one picture is too high and the other two too low with the attention scattered instead of focused on the center.

If the picture is a brown print, the frame should be a dull gold or sepia in color; if black or gray—a gray, dull silver, or black molding will be suitable. In the case of colored prints or paintings, the frame may be a dull gilt with perhaps a tint of color in it harmonizing with some color dominant in the print.

The smaller and more refined the details in a picture, the more delicate may be the molding of its frame. When the subject of a print has several large masses, or is strong in color, the frame may come close against it, otherwise a mat is put between the picture and the frame.

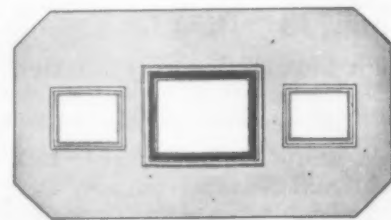


FIGURE I

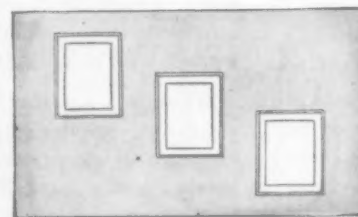


FIGURE II

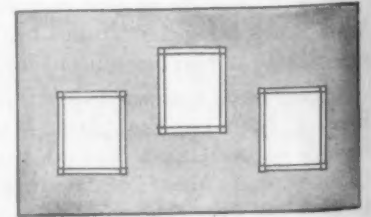


FIGURE III

When grouping three pictures on one wall, hang them so they are on a line, as in Figure I. Figures II and III show arrangements that are out of balance



# "You can do more with Tables . . .

For Less Than \$50 . . . Than  
With Any Other Furniture  
You Buy" . . . says  
**ADELINE DE VOO**



Adeline de Voo, prominent New York home furnishings authority, lectures at the New York University, contributes to leading periodicals, and has developed settings for the Metropolitan Museum

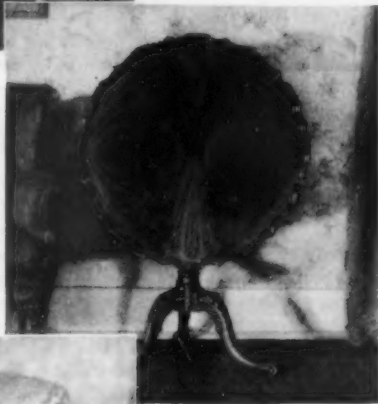


**THE CLOPTON**  
The chair-side table is as essential to the "well-being" of the living room as favorite books and magazines. The Clopton is ideal in every respect. The carving has been done by hand. Walnut or mahogany . . . \$27.50

Price slightly higher  
in West and South

**THE BELMORE**  
The aristocrat of all tables, the tilt-top is at home in every home. The Belmore has few peers. Beautifully grained, matched-figured top, molded pie-crust rim, gracefully shaped legs, exquisitely hand-carved. Mahogany or maple . . . \$49.50

Price slightly higher  
in West and South



**THE REGNIER**  
The last word in sophistication, the Regnier is a delightfully proportioned coffee table with a removable glass tray which protects the beautifully grained top and is so convenient when serving after-dinner coffee, or cocktails. Mahogany or maple, with handmatched, figured top . . . \$30.50

Price slightly higher  
in West and South



It is positively astonishing, as Miss de Voo suggests, how much you can accomplish in beautifying your home with a few dollars invested in tables.

Tables, comparatively, are so inexpensive—even when created by a master like Imperial. And so many lovely things can be done with them, when properly selected and arranged! They brighten nooks and corners—add smartness and hominess to your chair and davenport groupings—lend dignity and charm to the halls—provide exquisite settings for lamps, ornaments, books—and serve numberless other practical needs while winning the admiration of your friends and guests.

To illustrate these points, Imperial has created a special group of 12 charming tables. Tables for every room and of all sorts, from the strictly formal to the daintiest colorful novelty. And all priced under \$50! Many for much less. Three are illustrated on this page.

Leading dealers everywhere are now featuring the entire group. See them by all means! Like every Imperial creation, they are stunningly new, fashionable and well made. And each, for your protection, bears the famous trade mark *Imperial* on the green shield—for 27 years an accepted guarantee of superior design and quality in this special field.

An interesting booklet, "Tables in the Home" will be sent on request.

IMPERIAL FURNITURE COMPANY, GRAND RAPIDS, MICHIGAN

# Imperial Tables

GRAND RAPIDS

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You will be just as delighted as this Philadelphia society matron if

you insist on Ambler Asbestos Waltile for your own home whether remodelling or building. Waltile is furnished in rigid fire-proof sheets 32" x 48"... stainproof... fadeproof... many charming colors with a beautiful lasting finish. Ideal for kitchen, pantries, bathrooms, and many other places. The little coupon below will bring you an interesting booklet in colors.

You will also be interested in our famous Ambler Asbestos Shingles,—beautiful, wear-proof, fireproof. Send for illustrated booklet—no obligation, of course.

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Please send me without obligation, your booklet on Waltile for bathrooms, kitchens, pantries, laundries, dinettes, sunrooms, children's playrooms, etc.

Name.....  
Address.....  
City..... State.....

**AMBLER ASBESTOS WALTILE**

## Built-in bookshelves

Continued from page 564

can be set back so that the depth of the upper shelving is not more than nine inches. If desired, the two lower shelves can be shut in with cupboard doors and the shelf space not occupied by books can be used for other purposes. The set-back of the shelving should occur at a height from the floor of from 2' 9" to 3'.

While built-in bookshelves entail actually less projection from the wall surface than free-standing bookcases, another thing to remember is that they hold more books than movable bookcases that would occupy the same wall space, and they likewise allow more leeway for expansion in the quantity of books to be accommodated. Furthermore, the books are easier of access and easier to rearrange especially with adjustable shelving, whenever rearrangement is desirable.

The only really satisfactory way of installing built-in bookshelves is to give them a distinctly architectural treatment.

It will generally be found best to carry the built-in shelving all the way to the ceiling or, at least, high enough up to where a suitable frieze or cornice treatment can begin, this cornice flush with the face of the shelving being a continuation of the cornice around the rest of the room. In other words, wherever there is built-in shelving, the front of the shelving ought to be regarded and treated as part of the room's wall surface. Built-in shelves that extend only about four feet to four feet, six

inches, from the floor never seem to be really structural. Such shelves, besides being materially restricted in their holding capacity, offer tops that are apt to become "junk roosts" and invite the deposit of all manner of gimcracks and odds and ends that had better not be there.

There is no better and no more permanently satisfying wall decoration than the backs of books. They possess a decorative quality that is full of character and in its effect unlike anything else. They afford an infinite diversity of color and pattern and, in different lights, color and pattern seem to vary as continuously as the fragments in a kaleidoscope. And this sort of wall decoration possesses the rare advantage of always blending harmoniously with all the other contents of a room, no matter what their nature. Likewise, the decorative effect of books is most vital and at its best when the books are ranged on open shelves and not confined behind a barrier of glass doors. The interest of built-in shelving can often be increased by painting the space behind, above, and at the sides of the books. Vermilion, jade green, gold, silver—all these and others are suitable for this purpose. This will help to neutralize the light-absorbing effect of rows of books, and the occasional glint of bright color or metallic reflection to be caught is always agreeable. There need be no fear of getting this back space too bright.

## Useful scatter rugs

Continued from page 565

gay reds, yellows, and blues of the woolen knotting, it is easy to visualize its origin as the saddle trappings of a bold Arab sheik. These rugs are used also as couch covers by the natives, and they make attractive wall hangings in American homes. In fact they are adapted to many uses. They are usually square, and sell for \$35 in a 4' 6" size.

The other Moroccan rug is made on the principle of an Oriental but is very much coarser in weave. In design, it shows the Spanish influence through its geometric lines of yellow and red and other crude but attractive color harmonies. The women of Morocco weave this rug and use it in their homes and it is made in the sizes and shapes of our own carpets. It sells here from \$25 to \$30.

A rug which most of us prize for its decorative quality is the Numdah, from India, made from the hair of the Himalayan goat which is pounded together by the natives in the mountains until it is transformed into a felt-like substance. It is then sent down into the valleys where it is treated with vegetable dyes and imprinted with a design drawn in black. Other natives then proceed with the hand-embroidery of the fascinating patterns which have been inscribed on these fringed rugs. The tree of Heaven, jungle birds, exotic flowers of India—all of these and more are developed in pleasing, contrasting colors on the felt-like background which has been dyed one of the many

shades that fit so well in American decorative schemes. These rugs come in circular forms, as well as the more usual oblongs. One round rug, about three feet in diameter, is priced at \$6.95. An oblong, six by four feet in size, costs \$14.50.

America and Canada continue to produce the historic rug of Colonial days which was hand-hooked by the wives of the early settlers. The vogue for authentic old hooked rugs has swept the continent but, apparently, the supply continues inexhaustible. The modern products of this old craft can challenge comparison with the originals in everything but the mellowness which age alone can bequeath.

Early American furniture and hooked rugs are inseparable and the popularity of the former insures the desirability of the latter. The question of pattern is one of personal taste. The modern Canadian hooked rugs show the French influence in their preponderance of floral patterns. The American rugs, made mostly in the Carolinas, may have either geometric or naturalistic designs. The former type usually features a repeat pattern, the naturalistic rug may depict flowers, animals, or landscapes.

A characteristic American rug is woven by the Navajo Indians in Arizona, and has been a tribal accomplishment for generations past. Black and white are the predominant colors, representing the wool of the black sheep and of the white sheep.





ENTRANCE TO THE HOME of Judge William E. Hirt, at Erie, Penn. Brick as well as wood homes are made more beautiful by painting with Outside Barreled Sunlight.



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BOTH FORMS OF BARRELED SUNLIGHT are sold in cans of all sizes, 5-gallon buckets, and large drums. Extremely easy to tint any desired shade with oil colors. Quantities of 5 gallons or over tinted to order at the factory, without extra charge.

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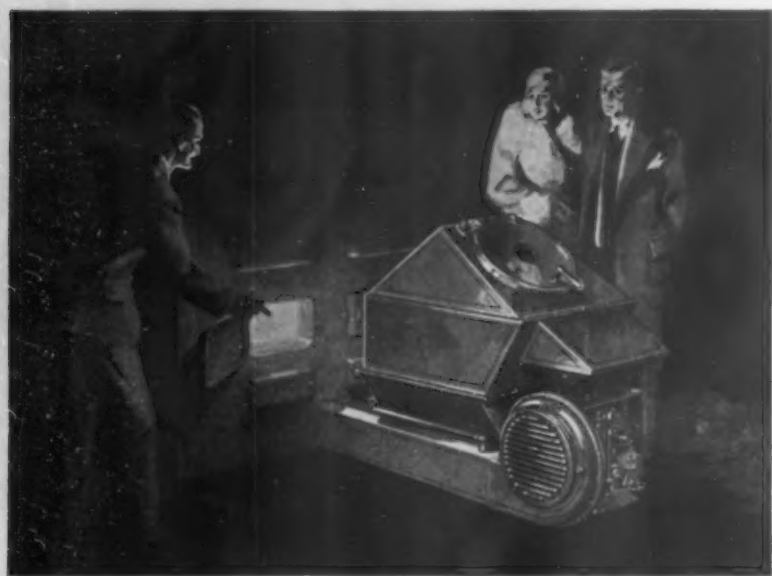
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7-J Dudley Street, Providence, R. I.  
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 Your booklet "The Whitest White House in Town"  
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Send free can of Outside Barreled Sunlight to my painter. His name and address are given in margin below.



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...not another winter for  
us without automatic heat"

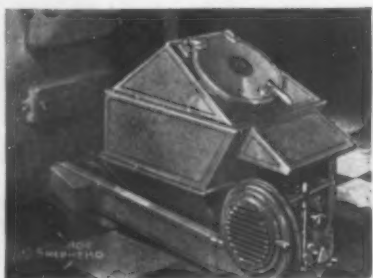
MANY THOUGHTFUL home owners are looking ahead to next winter by installing an Iron Fireman Automatic Coal Burner now.

When another season of snow and ice rolls around they will have all the advantages of automatic heat. Iron Fireman, feeding coal to the furnace automatically, will take over the job of maintaining steady, even heat no matter what the weather changes outside. It will make the task of early morning fire kindling a memory. It will end, for all time, those many basement trips to feed the fire.

These Iron Fireman homes will not only experience the comfort and convenience of automatic heat, but they will have the satisfaction of reduced fuel bills. Iron Fireman burns the smaller, lower-priced sizes of coal. It produces better heat for less money—how much less is best shown by figures taken from a recent survey of Iron Fireman homes. Annual fuel cost savings in these homes averaged

45.61 per cent. In terms of money, these Iron Fireman owners reduced their yearly fuel bills an average of more than \$90 per home!

Investigate Iron Fireman. It is easy to install, easy to operate, easy to pay for on the Iron Fireman finance plan. Don't go through another winter without automatic coal heat. Your Iron Fireman dealer will be glad to survey your heating system and submit an estimate. Literature will be furnished on request. Iron Fireman Manufacturing Company, Portland, Oregon. Branches in Cleveland - St. Louis - Chicago - New York. Dealers in principal cities of United States and Canada.



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**IRON FIREMAN**  
AUTOMATIC COAL BURNER



...the machine that made coal an automatic fuel

## The costs of building a house

Continued from page 568

An architect's success is not gauged wholly by the plans he draws on paper, but by his ability to give beautiful form to these plans through the hands and minds of men and the materials of construction. The time spent on the plans does not compare with the time spent discussing the house with the contractor and the client. Inasmuch as at least 50 per cent of the cost of the building is represented by labor the personal equation is always present and it is the knowledge and ability the architect displays in working with these factors which bring about successful homes.

A good contractor is essential to the well-built house and the owner should allow the architect to select the contractors who are to be considered. If the owner has some particular contractor he favors, the architect includes him in the list. The presentation of the plans and specifications and any explanation necessary in connection with them should be made by the architect, thus avoiding any misunderstanding at a later date growing out of verbal agreements between owner and contractor. Haphazard agreements always lead to trouble and, strange as it may seem, these are more likely to crop up when the owner is a friend of the builder.

I have never found a bargain in the building business, but I have found some builders who can build a better house for the same amount of money than other builders and this is due to their experience.

Successful houses cannot be built on theory nor can a successful contracting organization be built up on theory. They both need the personal guidance of a man who through experience knows construction, has the respect of the men working for him, and takes pride in his work. I have found that men of this type welcome

working with the architect because they know that through close cooperation they are able to capture almost instinctively that feeling the architect is working towards without any additional cost to themselves.

Another and very important consideration regarding the selection of the contractor is his ability to finance his job, his credit standing with the trade and his reputation with the sub-contractors who have worked for him.

The owner should pay promptly money due the contractor but, on the other hand, the contractor should be able to satisfy the architect at all times that his bills are being paid when due. A careful check should be kept throughout the job and a complete accounting given before the final payment is made.

When it has been decided which builder is to do the work, the contract is drawn up by the architect and this, with the plans and specifications, represents the actual starting of the building. Any changes after this point should be clearly worked out, drawings made, and a price decided upon before any work on them is done. As the building takes form one will realize more and more that study of the plans saves many changes, such as the swing of doors, changing of electric light outlets, making room for certain pieces of furniture, not much in themselves but all holding up the job and all costing the builder money.

I cannot emphasize too strongly the importance of employing a competent contractor. They are not difficult to find. The contractor, as a rule, is a much maligned person. I have found that while it is seldom necessary to watch for inferior workmanship, it is essential for the architect to keep in constant touch with the contractor in order to explain the various phases of the plans.

## Three meals—and one to grow on

Continued from page 567

chopped celery and cheese; apricots stuffed with finely chopped apple moistened with mayonnaise are other fruitier salads that help to keep the box luncheon from being a dry one.

Vegetable salads are another practical possibility for the lunch box, easily prepared from cooked vegetables left to marinate in French dressing over night. When the lunch box dessert consists of a cup cake or fruit cookies, a vegetable salad makes for a better rounded meal, perhaps, than the lighter fruit salads. Green beans alone or with canned asparagus tips are an all-year-round salad. Be wary of too much dressing in the salad jar, though the vegetable should be well covered with it for soaking over night in the refrigerator. And, if the children are not used to French dressing, be wary of too much oil at first. Better a dressing with a little more lemon juice than your adult taste calls for—the tartness can be softened with sugar—than one which is too oily for the children. Of course, mayonnaise or a home-made cooked salad dressing may be used, if preferred.

Sandwiches, though not the *sine qua non* of the lunch box that they used to be, are still an important feature. The many good soft cheeses and commercial sandwich mixtures now available in grocery stores simplify the making of sandwiches and insure greater variety than we used to know. Each sandwich should be wrapped separately in waxed or parchment paper (moistened first) and secured in some way.

In addition to the sandwiches, a simple dessert adds a great deal to the child's interest in his lunch box, and each day he looks forward eagerly to a surprise at the end of his school meal. This may take the form of cup cakes, simply frosted perhaps, sponge drops, or cookies. Ginger snaps in the shape of figures or animals are always popular, and even saucer pies may appear once in a while if made with a filling that is easily digested. Cup custards, baked in heat-proof containers, and carefully packed, may be added if the child likes them, or a baked apple with the center filled with apple jelly may be more of a treat.



# Don't ask your architect to include RUST



WHEN YOU ask your architect to "save money" by using rustable metal, you add to the upkeep cost of your home. For sooner or later, rust *will* destroy gutters, rain-pipes, roof valleys and flashings of rustable metal. Roof leaks that damage walls and ceilings and cause expensive repairs are often traceable to rusted valleys and flashings.

Make sure that the house you build or buy will be free from costly rust. Insist on gutters, rain-pipes, valleys and flashings of Anaconda sheet copper . . . They cannot rust and leak, and always cost less in the end.

For your protection, every sheet of Anaconda Copper is trade-marked. Your sheet metal contractor can obtain gutters and rain-pipes bearing the Anaconda trade-mark and the words "Standard 16 oz." from leading fabricators.

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# KITTINGER

## When the child grows older

Continued from page 561

owner develops a taste for them. It is a room which the child will feel is his very own and be proud to display to young friends; it is equipped for doing homework in quiet and comfort and for holding books and other treasures. It has no unnecessary or easily broken pieces, the furniture is solid, simple, and of such good design as to be an influence in guiding youthful tastes. Also, prices on everything used are so moderate that the whole room is within reach of even a very modest purse.

The cheerful, clean color, and sturdy unpretentious excellence of modern versions of Early American furniture seem suited to a youthful room, and these have been used throughout with decoration and accessories chosen to suit. The walls are covered with paper whose flowery sprigs, scattered in rose and green on a cream ground, are reminiscent of a Colonial chintz. Against this background the window drapes of glazed rose calico, unpatterned, strike a definite and charming note of color.

The floor is covered to the wall with carpet of a warm taupe shade against which three copies of old hooked rugs stand out gaily. If it is felt that this is too much carpet in a room where small shoes are certain to bring mud occasionally, the floor might be covered with one of the interesting new linoleums which are an excellent imitation of pine boards. The three rugs use rose, green, yellow, beige, and black in soft, blending tones. These rugs may be bought for \$6.85 and up.

In the center of the room is a strongly made maple table, large enough for spreading out several school books when homework time comes, and so steady and firm that no annoying "wobbling" will disturb the young penman. It is priced at \$12.75. School books when not in use, and story books too, will find a home in the bookcase which is shown fitting snugly into one corner. When the library grows and overflows this might be supplemented with hanging bookshelves in maple finish which cost only \$3.95.

The use of a center table seemed a

suitable substitute for a desk in the arrangement of this room, but many a child will insist on a real desk with hinged top, pigeonholes, and all the accessories found in furniture belonging to "grown ups." One of the most suitable for the room is in a child's size and costs \$15.74. It is in maple finish with maple veneer front, has a hinged front that really locks, pigeonholes, and one long drawer. Another very business-like little desk has a roll top and two side drawers. Still another type is a beautifully made piece in maple finish with hinged top, one roomy drawer, and graceful spindle legs. The cost is \$23.89.

The maple chest which stands at the foot of the bed, although it is in small toy chest size, is so well made and of such fine wood that it might very well be prized not only in childhood but for a lifetime. For the present purpose, however, it must be considered as a treasure chest in which skates, games, paint boxes, and other such necessary but somewhat difficult objects may be concealed with great advantage to the appearance of the room. The price is \$24.75. Other less expensive styles might be used, such as one of the real toy chests made in maple finish which are set on large casters so that they may be easily moved about. Another style is finished with washable wall covering with Tony Sarg designs in red, green, and yellow on cream. The price is from \$6.95 up.

On the dresser is one of the gay new "flower pot" lamps which will delight a child owner. The wood base imitates a flower pot and saucer. The floor lamp, which also adopts the oil lamp shape, is of polished steel, guaranteed not to rust. The cost of the three lamps was \$17.50.

On the walls is a group of silhouettes from Pickwick, representing Mr. Micawber, Little Nell, and Oliver Twist, and a modern reproduction of an old pictorial map. These, together, with a pale green glass bowl for flowers, a cushion or so, a pair of appealing dog bookends, and a few other trifles added the finishing touches to an inexpensive room.



The chintz-like wallpaper and the copies of old hooked rugs lend gay notes. (Courtesy, Gimbel Bros.)



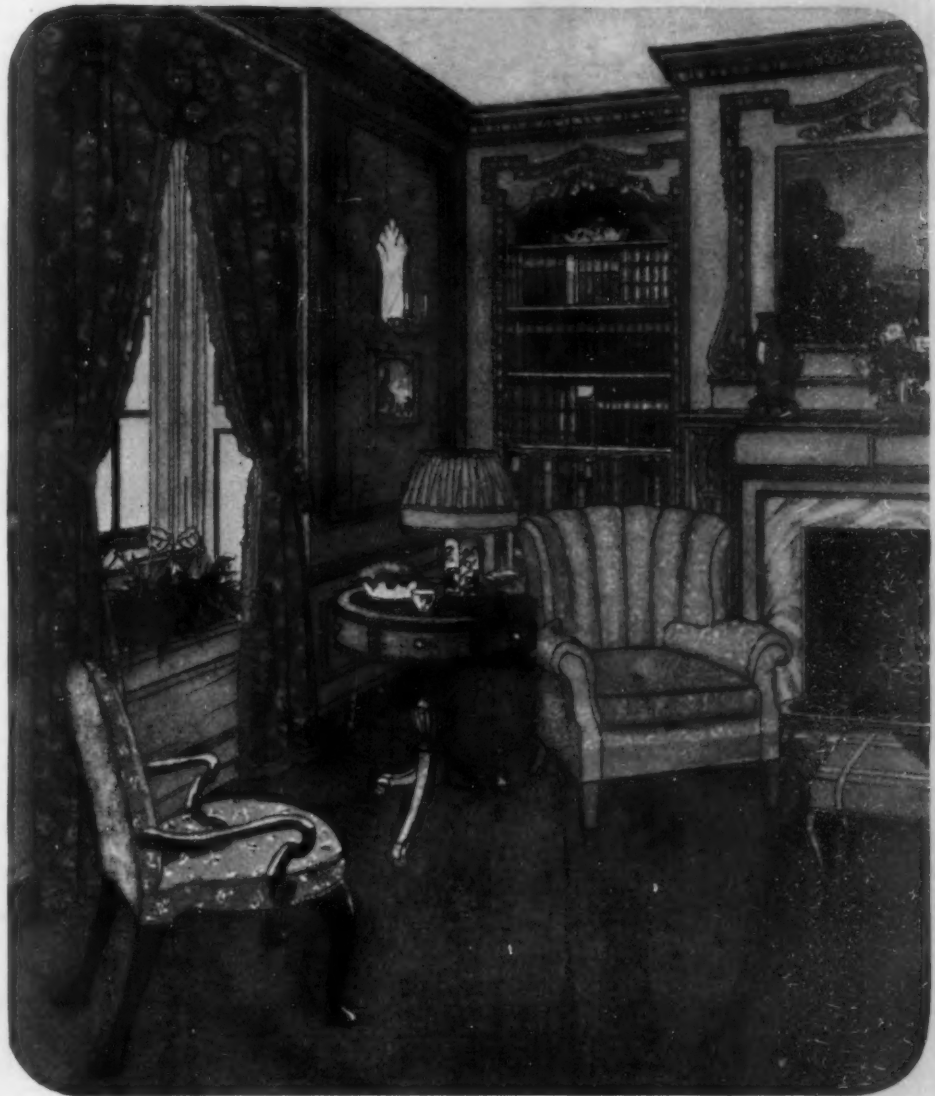


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MOUNT VERNON's broad lawns roll to the Potomac still, and Monticello crests its "little mountain." . . . In these and many other famous Eighteenth Century houses we have a faithful picture of a romantic and a decorative age. It is not surprising, then, that the Georgian style in architecture has become the most popular in America today!

But the complete beauty of the Georgian or Colonial interior depends on more than paneled walls and classical detail . . . much more. Hangings and upholstery, too, must reflect this spirit of cultured elegance. And Orinoka gives you fabrics in charming harmony. The wide, deep windows of the drawing-room may be curtained with rich brocade which will fall to the floor in stately "organ-pipe" folds. Graceful Queen Anne chairs will take an Elizabethan damask, patterned attractively with birds and branches, or antique velour in a soft, old shade. Case-ment curtains may be of the sheerest Raylawn gauze.

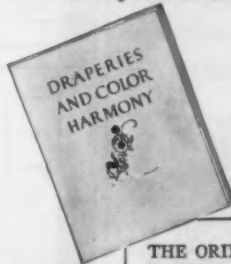
It is reassuring to know, as you plan your decorations, that Orinoka colors are enduring. However subtle or brilliant the tints, they will keep their original depth. Your carefully considered color values will be permanent, for these materials are woven of hand-dyed threads, treated by a special process. They cannot fade. And every purchase of Orinoka Colorfast Fabrics is protected by the guarantee which you will find attached to every bolt. The Orinoka Mills, 183 Madison Avenue, New York City.



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## Saving steps in the kitchen

Continued from page 557

city will be a revelation to a house-keeper of the ingenuity of the modern inventor and manufacturer.

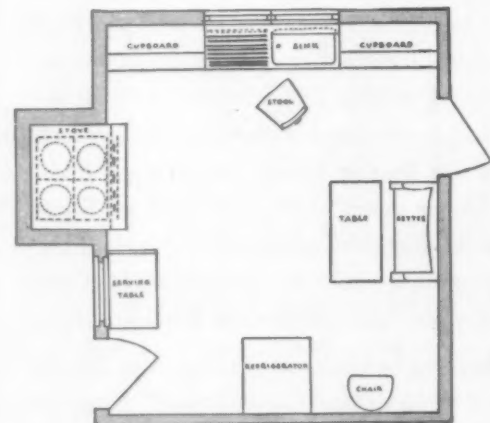
After the plans are made, the housewife will begin her search for the best materials to use in equipping the kitchen. Floor coverings will be one of the first things to be settled, and she will study the suitability of tiles, ceramic and rubber, wood, and the different types of linoleum. Walls come next and she will have to decide between the possibility of covering hers with enamel paint, tiles, or one of the great variety of fabrics now on the market which present not only charming colors and designs for her choice, but all have the advantage of being washable, and color proof. These include wallpaper, as well nowadays, which, like the other washable fabrics, may be kept spotless by wiping off with a damp cloth.

Kitchen cabinets have been so perfected that the home builder hardly knows where to begin in choosing, or, perhaps, where to stop would be nearer the truth. They come in wood, built according to the best architectural specifications, of metal enameled, and of metal and tile combined, in designs which would add to

the convenience and charm of any kitchen.

Electrical equipment now covers machinery for washing clothes and dishes, for ironing, drying, heating, refrigeration, fireless cooking, ventilation, incineration, running motors for minor household tasks, as well as for telephone and radio connections, while the newest methods in the use of gas provide cooking units of many varieties, perfect refrigeration, washing and ironing machines, dryers, fireless cookers, broilers, and a hundred and one smaller devices which may be run economically.

Routing the kitchen is the latest idea in getting the utmost in service from it, and a real home laboratory which has been carefully worked out along the most scientific lines has just been opened to the public in New York City. It was designed by Dr. Lillian M. Gilbreth, one of the foremost home engineers in America, and a world-wide expert in efficiency. She says this should not be called a "model kitchen" since one of the first rules of efficiency is that each plan must be adaptable, and "each kitchen arranged to suit the individual height, working habits, taste in decoration, (Continued on page 596)



Floor plan of the kitchen illustrated on the cover of this issue



No. 1

No. 2

Floor plans of the kitchen shown on page 555. The advantage of the circular work space arrangement is shown in plan number 2. Here the worker may stand on one spot and prepare any given dish with about half the motions used in the unrouted arrangement shown in plan number 1



**W**HEN September frost probes your memory of last winter's heating troubles—outch and double outch! That nasty twinge is a warning that if your boiler troubles are to be banished before next winter, you had better be about it. Can you laugh at these probing questions? Did your cost of heating last winter make you groan? Was your boiler exasperatingly slow to heat the house on cold mornings, and did the family have to shiver until mid-forenoon? Did your boiler let you down completely on extra cold days and flatly refuse to make the house comfortable no matter how much fuel you burned?

Fundamentally all heating troubles are due to a lack of efficiency in the boiler used. The only remedy is to get rid of the inefficient boiler and install an efficient one in its place. That means a boiler with plenty of Fire Surface. Economy and comfort alike depend upon it.

The New Smith "16" Boiler for small-to-medium size homes has more fire surface than any other boiler made of the same grate area—enough to absorb economically all the heat your house



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BOILERS & RADIATORS  
*Used in fine homes and buildings since 1860*

The H. B. Smith Boilers for steam, hot water and vapor heating; radiators; and hot water supply boilers; for every type and size of private home, office building, factory and public building.

# of Last Winter's HEATING TROUBLES



THE NEW SMITH NO. 16

will ever need. It makes available for small-to-medium homes the same welcome comfort and economy that the H. B. Smith Mills Boilers Nos. "24", "34" and "44" have been giving owners of large houses and mansions for over fifty years. Burn coal, coke, oil or gas as you please. The results are the same.

Don't take our word for it. Ask your Architect, Engineer or Heating Contractor about H. B. Smith Boilers. Only, do it now before winter begins. Meanwhile, send for free copies of our two books, "The Smith 16" and, "Does it Pay to Install an Oil Burner."

←————→  
THE H. B. SMITH CO.  
Dept. L-17, Westfield, Mass.

Gentlemen: Without cost or obligation to me, please send me a free copy of your two books, "The New Smith 16" and "Does It Pay To Install An Oil Burner."

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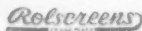
WINDOW SCREEN  
 CONVENIENCES  
 FOR THE HOME  
 >>>> BUILT IN

No fall storing or  
 spring hanging

Rolscreens, the modern conception of window screens, are attractively unobtrusive. There are no wide frames and a specially woven electro-plated "AluminA" (double life) wire is scarcely visible—a harmonious part of the windows.

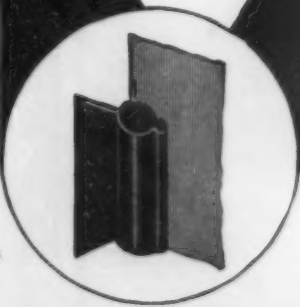
The performance of rolling up to completely disappear in the top of the windows fascinates the home owner with the realization that fall storing and spring re-hanging are no more. What a saving of labor and expense! Rolscreens may be rolled away whenever the windows are closed.

The trade marked "Rolscreens" are the world's first successful rolling window screens and carry fifteen patented features that are most important to the operation and life of the screens. For those who insist on the best, look for the trade mark >>>



Illustrated Rolscreen  
 Booklet Mailed  
 Upon Request

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 COMPANY  
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Fifteen Patented Features of Rolscreens are essential to practical rolling window screens.

A section through guide showing lug in sledge of screen wire which prevents sagging. "A non-sagging" feature found only in Rolscreens. « « « FULLY GUARANTEED

Saving steps in the kitchen

Continued from page 594

and pocketbook limitation of the woman who is to use it." This new kitchen, built after her plans, however, is as near perfection as we are likely to see in small kitchens for some time. It was designed for the Herald Tribune Institute, which is maintained by the newspaper of that name, and is used by them for demonstration and cooking lectures which are eagerly attended by many women. The feature of the kitchen is its circular work space in which a plan has been worked out whereby the equipment is arranged so that the housewife may stand on one particular spot and prepare any given dish with about half the motions generally used in an unrouted kitchen.

The plans of the kitchen showing the usual haphazard arrangement, and the new circular work space arrangement are shown on page 594, and a careful study of them will be full of inspiration for new arrangements in your own kitchen. The time is coming soon when all kitchen furniture will be made with adjustable legs so that the usual tasks may be accomplished without bending over. The food expert of the Herald Institute is five feet, seven inches tall, so the top of the stove, the rim of the sink, and the working surfaces of the cabinets and tables are all thirty-six inches from the floor, this having been found to be the ideal height for her.

This kitchen is nine feet by sixteen feet, an admirable size for a kitchen where there is no laundry equipment as it allows space for all the necessary furniture as well as for a small breakfast table and chairs, and a planning desk corner. As it is in a city building it is impossible to have windows on opposite sides, but an electric ventilator above the window over the sink keeps a stream of fresh air coming in, and removes all cooking odors at once. The color scheme is ivory, turquoise-blue-green, and black with touches of orange. The floor is covered with black and cream marbled linoleum, with a black marbled border outlined in bands of cream and narrow black. The walls are tiled to a height of six feet, six inches, and an effective finish of black curved tile molding outlines the alcove where the range is installed, and the tops of the tiled and working surfaces around the room. The baseboard is also of black tiles, and the top of the cabinet by the sink is made of ivory tiles to match the walls. The cabinet and table tops are of black bakelite which cannot be burned or stained. The ivory porcelain sink unit contains a dishwasher whose grooved metal top may also serve as a drainer when desired, drawers for small utensils, a vegetable bin, a swinging garbage container raised from the floor, and the various cleansing preparations used about the sink. The garbage container is concealed behind the metal-cane panels, and the vegetable racks are back of the doors on the left hand side of the sink. The open corner cupboards on either side of the range hold the cooking dishes and mixing bowls. The kitchen cabinet at the right hand side of the picture holds the dry groceries (with the spices in a revolving rack), and flavorings. On the same wall (at

the extreme right of the photograph) is the mechanical refrigerator. If you will examine plan number 2 on page 594 you will see two small silhouettes of foot prints near the range, and these foot prints are an important feature of the circular space kitchen. If the worker stands on them, without once stepping off, she may reach the refrigerator, the kitchen cabinet, the closet where the bowls and cake pans are, the work table which is drawn up before her, and, when the cake is mixed, still without moving, she may light the range by pressing the automatic lighter, open the oven door, and put in the cake.

This kitchen is provided with several strong electric lights, and with electric sockets where mechanical aids to housekeeping, a toaster, percolator, fireless cooker, iron, etc., may be connected when wanted. A hexagonal wall clock in an ivory finish is installed over the range.

The breakfast table and chairs are painted a beautiful blue-green, picked out in black and orange, and having seat pads of orange oilcloth, tied on with tapes of the same color. The curtains are blue-green linen, finished with stitched-on bands of orange cotton tape, and installed under a painted wooden valance board, outlined in black. The trays which stand on table and refrigerator ready for instant use are of orange lacquer, and the second worktable and the stepladder which fits under it are both blue-green with black tops and legs.

The planning desk in the corner of the room is an interesting innovation, and one which allows the kitchen to be fairly rated as the housekeeper's office as well as her laboratory. Here is a desk unit in which is installed a radio that she may sit at her ease and take down the recipes and household hints which come in every day, a row of cook books and other volumes of household lore, a telephone giving instant connection with the sources of supply, order pads, a calendar, a box containing a card file of recipes, pencils, ink, paste, clips, blotting pad, and two small drawers for bills, one marked "Paid," and the other "Unpaid." In the long drawer directly under the lid is some equipment for making minor repairs, hammers, tacks, screw driver, glue, while hanging on the right hand side of the desk is an oilcloth case containing a ruler and yardstick.

The back door has a unique feature which turns it into a closet. There is a second door inside of curved metal, and fastened with hinges to the rear door. When opened it reveals the brooms, brushes, cans of cleaning fluids, ammonia, mops, aprons, and dusters. This outer surface extends only six inches out from the rear door, and is painted black inside, and ivory outside to match the rest of the kitchen, making it inconspicuous.

A study of these plans and photographs of carefully thought out kitchens should be helpful to any housewife, and provide her with inspiration for new equipment and new arrangements in that important laboratory where she does so much to provide for the comfort and happiness of her family.



*An old-timer of the Old South. The Tidewater Red Cypress on this plantation dwelling in Southern Louisiana has served well over one hundred years. Photograph by Tebbs & Knell.*

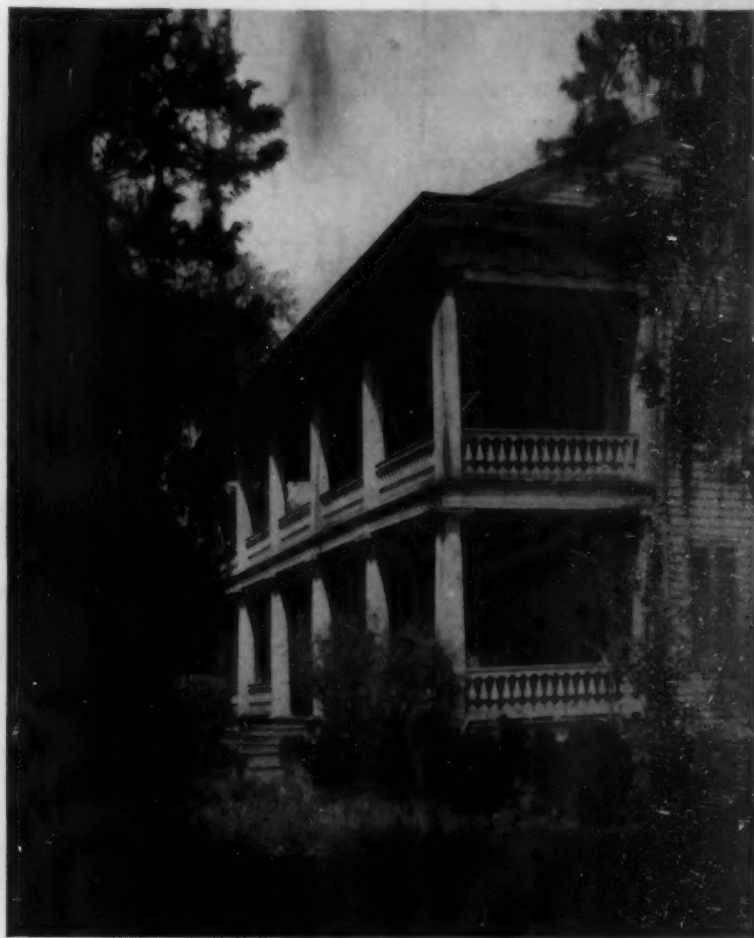
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*The Tidewater Red Cypress on this charming residence in Montclair, N. J., should still be young and repair-free one hundred years from now. Arthur T. Remick of New York was the architect.*

## TIDEWATER RED CYPRESS

(COAST TYPE)

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Cummer Cypress Co., Jacksonville, Fla.

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A.H. 9-30

## A heating primer

Continued from page 578

Boilers, and warm air furnaces, of course, may be fired by oil, coal, or gas. Oil burners have obvious advantages, but they are expensive. It is possible now to feed coal to the furnace almost as automatically as oil. Mechanical stokers and magazine feeds put coal on the fire with only daily, or, in very mild weather, weekly, attention. And a distinct advantage of both types of automatic firing is that they use small sizes of coal which are much less expensive than the regular anthracite.

In the case of magazine-fed boilers, small size coal is put in a hopper in the upper sections of the boiler. From there it feeds, by gravity, to the sloping grates where it burns thoroughly. There are no moving parts, and the equipment can be adjusted to take any size of coal. These magazine feeds are efficient and not particularly expensive.

The mechanical stokers can be attached to any furnace or boiler in much the same way as an oil burner. You put the small size coal in a hopper and by means of a motor it is fed into the burner in the fire pot. These need to be fired every day or every week, depending on the temperature.

Any type of heating equipment can be fitted with a thermostatic control to eliminate the necessity for constant supervision. A thermostat will keep the house heated within a few degrees of a desired temperature all winter long. The thermostat will not supervise the firing of the heating plant, except in the case of the automatic burners, like oil and gas, but it will supervise the actual burning of the coal. It will also start the furnace going at a predetermined time in the morning and cut it off at night. The thermostats operate the drafts which make the fire burn fast or slow, either by means of an electric motor or a mechanical apparatus run by clockwork or gravity. The thermostat is usually placed in the living room, but a supplementary one may be put on the boiler or furnace so that no dangerous heat will be

generated when the living room thermostat fails to function.

We have said nothing thus far about gas burners. That is because there is little to say. Criticism of gas burning furnaces is almost nil—except that they are expensive. They are entirely automatic and extraordinarily efficient. Of course the cost of operation of gas burners can be greatly reduced if the house is skillfully designed to prevent heat loss. This is true of any heating plant.

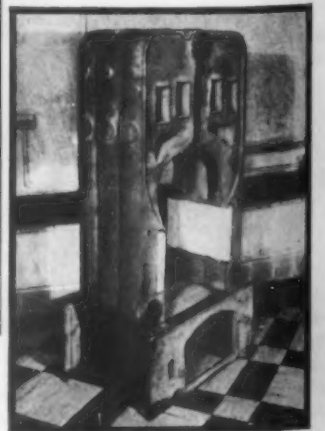
There is much to be said for, and little against, vapor vacuum heating systems, too. They have the good points of steam heat and few of its bad ones. They are, in fact, glorified steam heat. A vacuum is created in the radiators and pipes of a vapor system so that steam is produced in the boiler at lower temperatures than normally. You know that water under atmospheric pressure will boil at 212° F., while at less than this pressure, that is, on a high mountain or in a vacuum, it will boil at a lower temperature. In other words, in a vapor system, you can produce steam at 133° F. This is enough for mild days, but in severe weather you can run the temperature up to 271° F., much higher than you can go with hot water. At the same time, you do not have the "water hammer" and sizzling valves which are noisy.

Steam, like warm air, is an inexpensive system to install, and has always been a popular one. A two-pipe installation is to be recommended. One important feature of the steam system, as of the other water systems, is the radiator valves and traps. These must let the air out quickly as the steam enters, and, at the same time, keep the steam in. The proper steam valves will keep heat in the radiators long after the fires are banked, and will accelerate the heating of the radiators when the fire is started.

The most desirable valves are those which regulate the flow of steam into the radiator exactly. Thus you may set the valve at any desired position, and with the same amount of fire in the furnace you may have one room semi-cool and one room hot. Where a thermostat regulates the heat for the entire house, these radiator valves regulate it according to individual preferences. The thermostat can be used to keep the fire in proper condition but you must depend on radiator valves to suit particular needs.



At the right is shown the interior section of a boiler, with a firebrick lining around the firepot. Above is the same boiler insulated and jacketed





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In 1820, Gov. DeWitt Clinton of New York wrote: “I find cabinet-makers in full employ all over the country, and it is an occupation which deserves encouragement. It adds greatly to our comfort to sit down at a table which reflects like a mirror—and I always judge of the housewifery of the lady of the mansion by the appearance of the sideboard and tables.”

—From “Furniture of Our Forefathers,” by Singleton

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*Though Housewifery Standards Change*

**S**TANDARDS of “housewifery” have most likely changed since the good Gov. Clinton judged it by the lustre of the furniture. But nobody can visit a home today, whose furnishings are influenced by the Early American tradition, and fail to be impressed with the charming liveableness, and its quiet spirit of open-handed hospitality.

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Please send me free descriptive literature on the T/N One Piece Water Closet. I am interested in  
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## The house that needs no repairs

Continued from page 576

will drip if the washers are not renewed. Water-closet tanks and flush valves will cease to function properly if they are not of high quality and properly adjusted. Radiator traps will block up and the valves may stick or leak if inferior products are used. The fact remains that good plumbing and heating installations merely depend upon the use of first class materials and accessories and their intelligent and painstaking installation. The use of brass or copper pipe will quickly pay for itself in sections where the water has a corrosive action on iron or steel pipes. The home owner may readily learn how to replace washers in his faucets if he will ask his plumber to show him how to take these fixtures apart.

An annual check-up of the heating system each fall, including the draining and refilling of the boiler and the cleaning out of soot from furnaces and flues, should represent the sum total of heating repair expense. As a further safeguard on new installations, an association of heating and piping contractors now stands ready to guarantee the work of its members through careful checking of the installation plans and inspection of the system when completed.

If one does not care to replace washers in faucets that leak, one can form the habit of calling in the plumber once a year (just as you go to your dentist every six months) and have the plumber in one visit inspect every faucet and valve, adjust the water-closet tanks, or flush valves,

and clean out the water-heater. This annual care should prevent the need for any other plumbing expense unless one is careless and allows pipes to freeze.

The electrical system is far less likely to cause trouble for, if the installation is carefully made in accordance with the provisions of local building regulations and is properly inspected upon completion, it should last a lifetime. To be sure, there are different qualities of electrical installations, and the more costly ones have advantages over the cheaper types. For example, if your wiring system is installed in a form of conduit the utmost in protection is afforded and, at the same time, any defective or inadequate wiring may readily be withdrawn and replaced without tearing up the floors or harming the plaster. This system might cost from one hundred and fifty to two hundred dollars more than a cheaper installation, but its use would diminish repair bills to a minimum if any defect in the wiring system should subsequently develop.

If you would build a house that needs no repairs, study the homes of others and learn from your neighbors' experiences any difficulties they have encountered with their own properties. Examine houses that are offered for sale or to let, and list the things you would want to do with them to put them in condition for occupancy. Then when your list seems complete, plan with your builder or architect to eliminate these expenses.



This early Georgian design is in the manner of Sir Christopher Wren.

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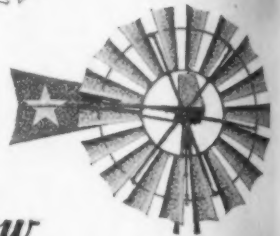


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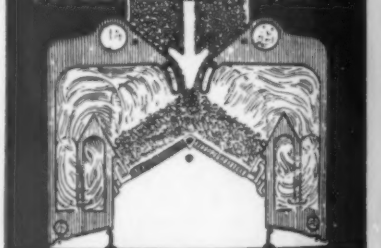
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who would love this hallway!*

Simplicity and gracefulness of design . . . beauty of color and finish . . . true New England Reproductions that any one would love to own. Choose the pieces that suit your fancy from this most interesting booklet, "The Beauty Secret of a Colonial Home," published through the courtesy of two of New England's oldest furniture makers. **C** You will find charming examples of unusual Colonial Reproductions, quaint decorative ideas and color schemes, suggestions from the very heart of old New England, whence came the originals from which this reasonably priced furniture has been so accurately reproduced. **C** Whether you are furnishing a house or buying a single piece, this booklet will be a distinct help to you. It can be obtained free of charge by mailing the coupon below.



The roomy chest-on-chest, the convenient trestle table are but two of the reasonably priced and superbly finished Salisbury Reproductions shown in this booklet. As a gift, or for your own home, they will be among the most useful and delightful of possessions.

These are the well-known Candleback Chairs, whose graceful lines, hardy construction, and surprising lightness, make them so indispensable everywhere. Note the candle and candlestick perched on the chair back as were the originals of prerevolutionary days.



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# In and About the Garden



[ *Edward Parson* ]

**A**NNOUNCEMENT is made of a National Flower and Garden Pageant to be held at Atlantic City, N. J., September 9th to 14th. It takes the place of what was euphemistically called the Beauty Show at that great recreation center, and it sets a new standard in garden activities. The meetings of the New Jersey State Gladiolus and Dahlia societies will participate and the annual meeting of the American Rose Society on September 11th. Thus comes into being a dream of mine for many years that the popular recreation resort offered almost ideal opportunities for a great flower show. This will also be the first time that a large representative floral show has been placed in the calendar in the fall season; other big shows are all spring events. No doubt but that the continuing ascendancy of the Dahlia is largely responsible. The show will be held in the new auditorium having an exhibition area of nearly 400,000 square feet.

It is timely in this month of Peony planting time to look at the records made by varieties at the national society's annual exhibition, which this year was at Duluth. A record of variety behavior on the exhibition tables may not be an infallible guide to variety selection, but it has its real interest for the amateur grower who wants to keep his plantings up to par. Taken by and large it is the blooms of quality varieties that win prizes. From the point of view of simple flower production, regardless of intrinsic quality, the exhibition table is hardly a guide; but nobody who wants real Peonies to gloat over can afford to ignore the several kinds that come to the front when the real fans get together. Unable to be in attendance at the American Peony Society gathering this year, I am glad to present below a really critical review by a well-informed Peony specialist.

NATIONAL PEONY SHOW

by EDWARD AUTEN, JR.

**M**INNESOTA, land of drifting clouds and sky blue water; Duluth, at the head of an inland sea; towering hills of the Northland, the gleam of changing blues, mystic purples and the green of distant forest—what a setting for the greatest of all hardy flowers, the Peony! And the Peony did not disappoint those who came from other states to attend the 27th national show of the American Peony Society held July 2nd and 3rd. Virgin soil and cooling breezes give size of bloom, no blistering heat lashes the buds to force them open too soon. Development is slow and even, and there the Peony blooms content, glorious in size, glorious in color, heavy in substance.

Blooms were sent from Iowa, Illinois, Portland, Ore., British Columbia, Quebec, and Massachusetts, but all the

prizes except one went to blooms from Minnesota. The light pinks reigned supreme, closely followed by the whites and dark pinks, while the reds were a very poor fourth.

The B. H. Farr medal for the best bloom in the show was won by the Fon du Lac Gardens, Duluth, with Solange, a large, fresh bloom, vibrant with color, and perfect. The judges considered fine blooms of Le Cygne, Therese, La France, Cornelia Shaylor, Pride of Essex, Kelway's Glorious, and Mr. Norton's seedling while picking the winner, and the final contest was Solange against a very fine Le Cygne.

Other pinks which were exceptionally fine were Sarah Bernhardt, probably the most consistent variety in the show, President Wilson, Marie Crousse, Walter Faxon (first in the 20 bloom dark pink class), W. F. Christman, June Day, Reine Hortense (first in the 20 bloom light pink class), Myrtle Gentry, Blanche King, Raoul Desert, Mabel L. Franklin. While shown in winning exhibits, Therese, Tourangelle, and Milton Hill were not up to the standard of most large shows, but many of the older kinds got near enough to the "super" class to make us realize that Duluth's claim to a nearly perfect climate for Peonies was justified. One bloom of Philomele was unusually large.

Fine blooms of Le Cygne and Kelway's Glorious brought up the old question as to which is better. There were just enough second rate blooms of Le Cygne in evidence to justify the preference repeatedly expressed for Kelway's Glorious on account of its dependability. Winners in the various classes for whites

were Mme. Emile Lemoine, Kelway's Glorious, and Enchanteresse, the latter just about as fine as a Peony could be. La Lorraine, grown from stock which has been freed from disease there in Minnesota, was also of unbelievable beauty. Nina Secor cannot be denied a place among the best. Duchesse de Nemours, Duc de Wellington, Mrs. A. M. Brand, Marie Lemoine, Glorious (Kelway), Grace Loomis, Mireille, and Avalanche were all well shown.

The reds were decidedly below par, possibly because of adverse weather, possibly because Duluth does not like red Peonies, or else because red Peonies do not like Duluth. There are many communities where the reds take a back seat, and others where everybody wants red and then more red. Best red bloom in the show was Karl Rosenfield; best twenty blooms Adolphe Rousseau; three blooms Mary Brand. A large bloom of Victoire de La Marne was good, provided one likes its color, but not one person in five will be found to favor it.

There were many exceptional blooms in the seven entries in the gold medal class for 80 to 100 varieties, double. Could a display of 100 varieties have been (Continued on page 624)



*The new white Seedling Peony (No. 2600) by Harry A. Norton, Ayers Cliff, Quebec, awarded a First Class Certificate at the A. P. S. Duluth show July 2nd*

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## September is by far the Best Month to Plant Rock Plants—And Here's Why



Nepeta Mussini

Here's the result of using a rock plant for an edging along a garden walk. Ordinarily not thought of, but note its delightful formal informality.



### Wayside Gardens

MENTOR, OHIO

THEY bloom among spring's earliest. Fall planting means you are sure to get all that early spring bloom abundance.

Here is another reason why September is one of the best months for rock garden planting. The plants are at their best then. They are resting and more or less dormant after the hot, dry summer. Transplanting now means you give them the least set-back shock, and allows them an ample chance to become thoroughly established in their new home before Winter. Which in turn insures their being ready to start growing the first warm spring days.

To make your rock garden doubly satisfactory and add to your pleasures of possession, we have a booklet on Rock Gardens lately written by our secretary. You'll find it full of meat and common sense. It's doubtful if 25 cents ever bought as much practical information on Rock Gardens, their plants and making. Send 25 cents for it. Deduct the cost from your first order. Our Rock and Hardy Garden Plant Catalog is free.

## Burpee's BULB BOOK



Tulips, Hyacinths, Crocus, Daffodils, Peonies, Iris and many others to plant in the fall... read all about them in Burpee's Bulb Book. It tells you of the Bulbs for winter blooming and gives complete descriptions of the best spring Bulbs for your garden.

Perennial plants to give a glorious display early next spring, as well as Shrubs and Climbing Roses for fall planting, are described in this little book. For those who delight in raising perennial plants from seed, a complete list, including old favorites as well as newer varieties, is offered. And as a good gardener, you will be interested in the page of annual flower seeds that can be sown outdoors late in the fall to give a display way ahead of spring-sown seed.

Burpee's Bulb Book will be mailed to you free.

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# Springtime Splendor

## Glorious Tulips

### Narcissi-Daffodils-Lilies

PLANT SCHLING QUALITY BULBS THIS FALL

**100 — DARWIN TULIPS — \$4.00**  
Choicest, first size bulbs, sure to bloom. Schling's special mixture of ten of the finest named varieties—not the ordinary field grown mixture. A \$6.00 value for \$4.00 or, if you prefer, 50 bulbs for \$2.25.

#### These Six Glorious Collections

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Virginia grown **DAFFODILS & NARCISSI** for naturalizing and lawn planting  
Airy and medium trumpets, short cupped and lovely Poet's varieties doubles and singles. All top size Mother Bulbs sure to bloom.  
100 for \$8.50      1000 for \$80.00

Also These Lovely Heralds of Spring! 500 Bulbs, a \$23.00 Value—\$16.00

- 100 CROCUS in 5 named varieties..... \$5.50
  - 100 SCILLA SIBIRICA (Blue Squills)..... 5.50
  - 100 GIANT SNOWDROPS..... 4.50
  - 100 BLUE GRAPE HYACINTHS..... 4.00
  - 100 CHIONODOXA (Glory of the Snow)..... 3.50
- \$23.00**

#### Madonna Lilies—at Attractive Prices

To secure their beauty in a maximum degree of perfection for your June Garden, the bulbs must be planted in September.

Mammoth Bulbs—Doz. \$4.50; 100, \$35.00

Our new Bulb Book—Lists of choicest bulbs for indoor or outdoor planting—Free on request.

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MAX SCHLING, SEEDSMEN, INC.

## Peterson's Perfect Peonies

EASIEST of all hardy flowers to grow, as well as the most permanent, the modern varieties of the Peony will prove both a revelation and rare delight to the flower lover.

The large, undivided roots, for which the House of Peterson has long been headquarters, will "come through" triumphantly next spring. But they must be planted from September to November for best flowering results.

The whole story of Peterson's Peonies is told in the 26th annual issue of

### "The Flower Beautiful"

sent free upon request. This year's issue presents the Peony in such a manner that both the beginner and advanced amateur may profit by reading it.

Our Peonies, like our Roses, are recognized by experienced planters everywhere to be the very best that a lifetime of skilled and loving effort can produce.

Geo. H. Peterson, Inc.  
Rose and Peony Specialists  
Box 50 Fair Lawn, N. J.  
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## Early Birds for Your Rockgarden



—and for your border too! Grape Hyacinths and Blue Bells, sweet-scented Jonquils and chaste Snowdrops—all these lovely little harbingers of Spring should be in every garden of the land. Create more color in your earliest Spring garden by making liberal plantings of the following:—

	per doz. postpaid	per 100 postpaid	per 1000
Chionodoxa Luciliae (Glory of the Snow)	\$.40	\$1.00	\$20.00
Muscari Botryoides Alba (Pearls of Spain)	.75	5.00	40.00
Jonquil, Single Sweet-Scented	1.00	7.50	70.00
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Snowdrops Single	.50	3.50	30.00
Scilla Sibirica (Blue Squills)	.75	5.00	40.00

**Special Combination Offers:—**

1 Dozen each of the six varieties	\$ 3.50 postpaid
25 each of the six varieties	6.50 "
50 " " " " " "	12.50 "
100 " " " " " "	24.00 "

**Dreer's Autumn Catalog**  
lists and illustrates hundreds of other varieties of bulbs, including the choicest among Tulips, Hyacinths, etc., besides Hardy Perennial Plants, hundreds of finest varieties of Roses, etc., etc. Everything for fall planting is yours to command through this free catalog for which please ask, and mention this publication.

**HENRY A. DREER**  
1306 Spring Garden St.  
Philadelphia, Pa.

## Aristocratic Delphiniums

Continued from page 582

We include Kelway Hybrids, Barclay's, Shaw Gardens, and Pudor Hybrids; Blackmore & Langdon, Vanderbilt, Wrexham Hollyhock strains, and all the Gold Medal family that each American seedsman puts out under his own name. There is wisdom in our choice as so few named hybrids come true and the distinguishing marks are so nearly identical in so many that only the most skilled specialist can distinguish them.

Did you ever see a Mrs. James Kelway Delphinium? This flower is exquisite—good stalk, not too heavy, splendidly filled, well-shaped blooms, outer petals of the bluest sky blue and nestling close the most glorious lavender-pink inner petal. The center of the flower is a great velvety bee. There is a new American Delphinium, Fanny Stormouth, which has found considerable favor in commercial floral circles. It is an improved Belladonna as to size of bloom and coloring and possesses the added virtue of a very slender stem which branches from the base of the plant.

Many private growers prefer to use their Delphiniums in combination plantings. It is wise to remember that the Delphinium should have first consideration in planning such a bed.

In localities where all soils are porous with subsoils that drain effectively, trenching is not so essential. These mediums should be spaded eighteen inches or more and a top dressing of lime applied. Frequently one is asked, "Why do you always recommend lime? Is it to release the nitrogen of the fresh animal manures?" And this brings the inevitable reply, "Who is daring enough to use green animal fertilizers on Delphinium?" When barnyard manure is so well decayed that it is no longer manure a cautious gardener uses it with impunity, but at no other time.

There are those who believe that lime has a tonic effect that stimulates the growth of the regal Larkspur plant. It is evident that some forms of plant life have demonstrated a selective intelligence as to their foods and are able to reject those not agreeable to their demands. However, it seems that the prime necessity of lime in a Delphinium bed is that it helps

to ward off fungoid troubles greatly. Since some of the diseases to which Delphinium succumbs have their origin in the seed bed, it is well to consider this first. Whether flats or coldframes are used for seedlings the mechanical preparation of the soil is the same. It must be light and porous. The addition of peat and leaf loam for this purpose is legitimate so long as a sufficient amount of lime or pulverized plaster is incorporated to counteract the acidity of these two elements. A small amount of soot and tobacco dust is beneficial. But most important of all, the seed before sown should be treated with Semesan or some like fungus preventive.

Mildew, one of the commonest maladies to attack the Larkspur family has been found not nearly so prevalent among the newer and rare varieties of Delphinium as among the old. A certain garden wag has said, "Belladonna and Bellamosum Delphiniums are as likely to have mildew as a dog is to have fleas." The moral then would be: Plant the better kinds. Failing this, preventive measures are more efficacious than curative ones—dry lime-sulphur sprinkled about the crowns of the plants in fall, periodic spraying with liquid fungicide, or applications of a dust preparation.

The most insidious of all diseases is black root rot, in that it takes the plant away before its presence is suspected. One of the state experiment stations has succeeded in effective control by cutting the plants back in August and spraying the soil with a mercuric chloride solution (1 to 4000). One investigator thinks that by means of microscopic examination he has discovered the dreaded blacks disease of the flower heads to be identical with conditions caused by cyclamen mite. Therefore the nicotine sprays should eliminate the trouble.

In tobacco belts, where tobacco dust or better still tobacco stems can be bought, there is no better winter cover for Delphinium crowns. Lacking this, the commercial tobacco fertilizers are next best. A bed in which the nicotine product has been used will be a bed free of sow bugs, borers, or other like pests which give serious trouble at times.

## The fall planting habit

Continued from page 580

not thrive upon neglect. Under average conditions all they require is hilling up of soil around them to a height of eight or ten inches. In severe sections in addition to hilling up the soil they must have about a foot of straw or hay on top of the soil and over this a layer of tar paper to keep them dry. None of this covering or hilling up should be done till just the last thing before the final freeze up. Early covering will seriously injure the plants.

There are some things that may only be planted during the fall months, the principal items of which are the spring flowering bulbs and Peonies. September and October and in the less severe sections November and December are the only months during the year when it is wise to plant Peonies.

Be sure in planting trees or shrubs to make the holes large enough to accommodate the roots without crowding and have the soil immediately contacting the roots fine and friable and of good quality. It is this soil which will give the newly planted material its start and if poor the plant will have a struggle to establish itself. Firm the soil carefully around all newly planted material and water thoroughly. All shrubs and trees, excepting evergreens, should be pruned back somewhat at planting time. Fall planted material does not need as much pruning as that set out in the spring but to neglect this important part of planting, means handicapping the plant. One can hardly transplant a shrub or tree without destroying a part of the roots and replanting without pruning leaves the plant unbalanced.

## "Bulbs in a Class All Their Own" —And Why!!



Tennis, so far, has produced only one Tilden, Golf only one Jones. It is the consistent effort, skill and prize-winning that counts. Among other trophies won by Zandbergen customers last Spring, in strongest competition, at the International Flower Show in New York, Zandbergen Tulips won for them the Holland Gold Shield for a garden, the Gold Medal for a Tulip border and many other First Prizes and Blue Ribbons.

### "Greetings from Tulipdom"

is the title of our free catalog for which please ask. It is really a book "chock full" of suggestions how to make and maintain better bulb gardens. Freely illustrated from photographs, with truthful descriptions devoid of all exaggeration, it is worthy of a place in every garden library. Write for it TODAY and please mention American Home.

**Our Catalog Tells:—**  
How to make a Tulip garden. Culture of Tulips outdoors. Indoor growing of Tulips. Color combinations. Daffodils for outdoors. How to grow Daffodils and Hyacinths indoors, etc., etc.

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# I Offer You A Collection of The Most Beautiful Iris in the World

Regular price \$25.00 to \$50.00, Now only \$9.75. For orders received not later than September 30.

I have gathered Japanese Iris from world-wide sources for many years. From these the world's best have been selected. Some of the flowers are nearly as large as dinner plates. These are doubles, selfs, mottled and striped effects, soft tones and brilliant colorings. They bloom at a time when flowers are greatly needed in the garden.

I am offering this low price to popularize these wonderfully beautiful, hardy flowers. Also my space is limited and

I need room for replanting, so I am accomplishing a double purpose. Every one of these collections would cost from \$25.00 to \$50.00 if purchased at regular catalogue prices, as the varieties are listed in my catalogue at from \$1.00 to \$5.00 each. The plants will not be labeled, as the price at which the collection is offered is so very low that all unnecessary labor must be eliminated. The flowers will be no less beautiful and the plants will be received in prime condition.



JAPANESE IRIS

### RAINBOW COLLECTION

\$25.00 Worth of Fine Bearded Iris for \$6.75  
While I cannot label the varieties in this RAINBOW COLLECTION, I guarantee that each of these collections will contain such "Prize-winners" as Ambassador, Lent A. Williamson, Lord of June and others of equal value. Certain stocks must constantly be moved to make room for the propagation of new varieties—hence this RAINBOW COLLECTION contains many choice varieties; in fact, I grow nothing but the best.

50 Choice Bearded Iris, my selection, without labels, for..... \$ 6.75  
100 Plants, choice assortment, without labels, for..... 12.00

25 Choice Japanese Iris, assorted..... \$ 9.75  
50 Choice Japanese Iris, assorted..... 15.50  
100 Choice Japanese Iris, assorted..... 25.00

### Labeled Varieties

25 Plants, in 5 varieties, labeled, my selection..... \$14.50  
50 Plants, in 10 varieties, labeled, my selection..... 27.50  
100 Plants, in 10 varieties, labeled, my selection..... 50.00

### Siberian Iris

Some eminent authorities consider these the most elegant of all Iris. They are prodigious

blooming and the flowers are excellent for cutting. They are rugged, hardy, easy to grow, in sun or semi-shade, in any kind of soil or location.

The collections will contain many fine named varieties in a good selection of colors, but will not be labeled. They would cost several times the price, if bought at catalogue prices.

50 Siberian Iris, my selection, unlabeled \$ 7.50  
100 Siberian Iris, my selection, unlabeled 12.75

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24 Siberian Iris, my selection, 6 choice varieties, labeled..... \$ 6.00  
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### A Valuable Present with Each Collection

To still further stimulate the interest in the beautiful garden Iris, I will include without charge, one or more gorgeous Iris Germanica, according to the size of the order. For some of these I have paid as high as \$50.00 for a single plant. This offer applies only to orders received on or before September 30, in direct reply to this advertisement. Now is the time to plant them.

My 120-page catalogue contains a vast amount of Iris information and lists the World's Choicest Varieties. It is free for the asking. Write for it.

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SIBERIAN IRIS

## Insect Pests of every kind are quickly and easily

destroyed by the use of WILSON'S O. K. PLANT SPRAY... for over a quarter of a century the nationally recognized standard insecticide. Recommended by the Officers of the Garden Club of America. Half-pint 40c; Quart \$1.00; Gallon \$3.00; 5 Gallons \$12.00; 10 Gallons \$20.00.



Wilson's O. K. Plant Spray is sold by leading stores everywhere and the genuine may be identified by the famous Trade Mark. Write us, if your dealer cannot supply your requirements.

Kill weeds the Wilson way... simply dilute Wilson's Weed Killer (1 Gallon to 40 gallons of water)... sprinkle... that's all. The modern way to exterminate all weeds, poison ivy, vines, etc. One good application a year is sufficient. Inexpensive... clean... odorless. 1 gallon \$2.00; 5 gallons \$8.00.

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**FREE CATALOG**  
in full colors, pictures a great variety of Tulips, Narcissi, Hyacinths, Crocus, Peonies, Lilies, etc. A helpful guide to gardening, free. WRITE TODAY!

You will have a beautiful springtime garden if you plant Shumway's "Pedigreed" Bulbs this fall. They are Holland grown and carefully selected for particular planters. Largest sizes guaranteed.

Our 60-year record of business integrity is your assurance of quality bulbs that will produce gorgeous blooms. Reasonable prices. Delivery charges prepaid.

**Superfine Mixtures—Largest Size Bulbs**

100 Darwin Tulips	17 Varieties	\$ 3.85
100 Breeder Tulips	15 "	4.00
100 Cottage Tulips	12 "	4.00
100 Early Single Tulips	12 "	4.25
100 Early Double Tulips	12 "	4.25
100 Parrot Tulips	5 "	4.00
100 Hyacinths	10 "	11.50
100 Crocus (1 1/2" - 2" dia.)	5 "	3.90
100 Narcissi, U.S. Grown	5 "	8.75

**50 Bulbs at the 100 Rate**  
Extra Special 12 Louis XIV Breeder Tulips, Purple, Gold Margin, 90c; fifty for \$3.50; 100 for \$6.25  
All varieties grow 2 to 3 feet tall, Giant bloom.

100 Princess Elizabeth	Rose Pink	\$ 4.75
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100 Bartigon	Carmine Crimson	4.75
100 Clara Butt	Salmon Pink	4.50
100 La Tulipe Noire	Nearly Black	6.00
100 Valentine	Violet	5.00
100 Scarlet Beauty	Scarlet	5.50
100 Inglescombe Yellow	Yellow	4.75
100 Golden Bronze	Name describes it	4.75
100 Farncombe Sanders	Rose Scarlet	4.75
100 Rev. Ewbank	Lilac-blue base	4.75
100 Cardinal Manning	Rosy Violet	4.75
100 Dream	Delicate Lilac	4.75
100 Pride of Haarlem	Carmine Rose	4.50
100 Mme. Krelage	Lilac Rose	4.75
1500 bulbs—100 of each		68.00
750 bulbs—50 of each		35.00
375 bulbs—25 of each		18.50

**R. H. SHUMWAY, Seedsman**  
119 S. First St. Established 1870 Rockford, Ill.

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### STAR ROSES

This Fall  
to insure unusual  
success next summer

Fall is the time to plant roses. No difficulty about it—just follow planting instructions that accompany each order, and enjoy these four benefits from fall planting:

- 1—Freshly dug plants from our own fertile fields.
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- 3—Unhurried planting on crisp, comfortable fall days, when the soil is in perfect planting condition.
- 4—Assurance of growth—Star Roses are guaranteed to grow and bloom or your money is refunded.

Plant "Star" Roses this fall; you run no risk. Make your selections now from our new "Fall Guide to Good Roses," 40 pages, 24 roses in full color. See the new novelties—Syracuse, National Flower Guild and Ami Quinard. The guide is FREE. Send for it.

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Several hundred thousand field-grown plants, in several hundred varieties, are ready for autumn shipment. These include many new and rare varieties of Hybrid Tea and Tea Roses, Hybrid Perpetuals, an extensive list of Climbing Roses, and Roses adapted to all parts of the country.

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New old-fashioned flowers for perennial gardens, rock gardens, ground covers, woodland plantings, dry soils, and moist places. Ask for our catalog "Hardy Herbaceous Plants" if you intend to plant old-fashioned flowers.

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Deciduous and Evergreen Azaleas, Kalmias, Chinese Magnolias, Kolkwitzia, Cotoneaster, Viburnum Carlesii, Barberries, and French Hydrangeas in blue, pink, and white.

In your request for catalog it is important to state definitely what you intend to plant. If west of the Mississippi River please remit 50 cts. for catalog desired, which will be credited on first order for \$5 or more.

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Our new catalog of Native Ferns and Wildflowers lists not only our own lovely New England plants but a great many from the Southern Appalachians, the Prairies, the Sierras and the Rockies. Plants for bogs and streams, for cool, moist shaded rocks and for the dry, blazing hillsides.

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## Garden Reminders

### North

**The Flower Garden.** Never should September pass without planting Peonies.  
Prepare beds now for bulbs to be planted next month. Meanwhile, plant Madonna Lilies.  
Start now to make corrections in flower beds and borders that have been proved necessary by the summer's showing.  
Plant Sweet-peas for next summer.  
Move perennials that have finished blossoming, so they will be ready for next year.  
Cut off seed pods, and keep weeds out of the garden.  
Save seeds of those flowers you want to propagate.  
Gather plenty of material for mulching. Prepare to protect annuals from frost.  
Divide Phlox and other perennial plants.  
Take cuttings of Rock Cress, Pinks, etc., and put them in the cold-frame.  
Transplant August-sown Bellis, Pansies, and Forget-me-nots.  
Spray Chrysanthemums and give them some liquid manure. Stake them.  
Take root cuttings of Anemone japonica.

**The Vegetable Garden.** Sow Cabbage and Cauliflower seed for the cold-frame.  
Sow Cress, Lettuce, Winter Radish, Turnip, Corn-salad, Mustard, Spinach, and Siberian Kale.  
Get rid of insects and spray for diseases.

Blanch and earth up Celery.  
Tie up Endive for blanching.  
Pick tomatoes if frost threatens, even if they are green.  
Gather onions and put them away for the winter after drying. Pick as soon as tops ripen.  
Dig hills as Potato vines die down.  
Pull up Tomato vines by roots as soon as frost approaches. Hang them in the cellar. Larger tomatoes will ripen.  
Harvest Melons, Squashes, and Pumpkins and put them where frost cannot get at them.  
Pull up Beets and Carrots before heavy frost.  
Cover tender vegetables as precaution against frost.

**Miscellaneous.** Cut out old canes of berries.  
Save old leaves, dead branches of healthy plants, etc., to make up compost heap.  
Pick apples as they ripen.  
Pick pears while firm. Don't let them ripen on the tree.  
Cut lawn before frost sets in.  
Water evergreens thoroughly.  
Sow lawn seed the first part of the month.  
Clip hedges for the last time.  
Transplant shrubs.  
Go over your garden, and note the changes you plan to make next season.  
Start Paperwhite Narcissus indoors this month for Thanksgiving blossoms.  
Take runners off Strawberries planted in August.

### South

**The Flower Garden.** In the far south start the garden this month.  
Clean up. Trim vines and summer-blooming shrubs. Spray the whole garden with lime-sulphur, or with an oil emulsion to kill scale insects as well as fungus.  
Plant Freesia bulbs; and Iris, Oxalis, and Hemerocallis.  
In the upper tier of states, you may set out Peonies. In the far south it is useless to plant them; Tulip and Hyacinth bulbs need more cold also.  
Change location of perennials that didn't do well the past season.  
Withhold water from Azaleas this month.  
Still time to repot Oxalis, Cyclamen, and white and yellow Callas.  
After September 15th plant hardy annuals and perennials, as you would in early spring—Pansies, Poppies, Sweet Alyssum, Pinks, Calendula, Columbine, Larkspur, Stocks, etc. Sow seeds of Nasturtium and winter blooming Sweet-peas.  
Stocks and Snapdragon should be cut back now.  
Stake and tie Dahlias and Poinsettias.  
Pick off foliage of Chrysanthemums at the bottom of the stems. Keep one head to a stalk, and water daily. Spray with soap suds.  
For perfect blossoms cover Chrysanthemums, with cheese cloth the last of the month to protect flowers from dust and rain.

**The Vegetable Garden.** Sow vegetables to be used for salads—Radishes, Parsley, Lettuce, Turnips, Cauliflower, Kale, etc.  
Keep ground between rows friable.  
Divide Onions, Shallots, and Chives. Still time to sow Beans and English Peas.

**Miscellaneous.** Spade deep, and transplant if the weather is not too dry. Get rid of weeds. Pile up leaves and branches for the compost heap. Get the garden in good condition.  
Get Strawberry bed ready for planting next month.

### The West Coast

Complete planting Freesias and Watsonias. Begin planting Spring bulbs. Protect Chrysanthemums from sun and dust; disbud and mulch beds. Propagate Magnolias by layers and Camellias by cuttings.  
Sow Sweet-peas for January blooming. In warm regions sow Linaria, Nemesia, Lobelia, and Bedding Petunias.  
Plant Anemones, Ranunculus, and dwarf Gladiolus; also Roman Hyacinths for succession of bloom. Set out perennials and annuals already started.  
Keep the tall Campanula pyramidalis well staked, and protect from frost. Set out young Cyclamen plants in shady location.  
Clear away all spent growth and rubbish, spade the beds, fertilize, and leave surface loose for early rains. Make cuttings of bedding plants.  
Plant Spanish, Dutch, and English Iris.  
Make cuttings of Rhododendron, Veronica, Berberis, Cotoneaster, Myrtle, and Japanese Privet.



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Catalog

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## A little house at the foot of a hill

Continued from page 574

and was drawn by a team of oxen. Its weight is such that it requires extra supports in the cellar.

The bricks are from a tumble-down Colonial dwelling and the hardware, with a few exceptions which were forged by a local blacksmith, dates from revolutionary times. The oven came from another dilapidated old homestead.

The wooden trim, the fireplace panelling, and the massive beams of the ceiling have been painted a soft tone of greenish blue which contrasts nicely with the creamy walls of rough plaster. The black hardware provides interesting accents. A quaint, old clock, several pieces of pewter, and one or two silhouette pictures are displayed to advantage on the mantel. From one of the beams hangs a metal pierced lantern, while the seed corn suspended from another adds a bit of farmhouse atmosphere to this delightful interior.

The wide-planked oak floors are characteristically uneven and are scattered with a few hooked rugs of time-mellowed tone and texture. The varied bindings of the books in the recessed shelves at the right of the fireplace add their note of color to the surroundings. The dominant tones of blue, black, and burnt orange are provided by the chintz covering of the large, overstuffed chair to the left of the fireplace. A daintily patterned chintz somewhat similar in coloring is used for the hangings, which are made with a

simple, shirred valance and straight sides. Tie-backs of dotted swiss are at the glass.

Against the long wall, opposite the fireplace, stands a nice old settee, rescued from dust and oblivion and covered in a cherry linen, widely striped in blue and orange. Directly over the couch, on the wall, hangs a delightful hooked rug, worked in the same colors.

The cupboard in the corner near the porch door is of the variety known as "kitchen safe" and has the unusual feature of set-in panels of pierced metal work. The woods employed are cherry and white pine. This piece is more than a hundred years of age and was made for Mr. McDowell's forebears in Virginia. A Cape Cod rocker, one or two Windsors, and a rush-seated ladder-back complete the chairs in the room.

The tables—which, by the way, are placed where they are useful as well as ornamental—have all been picked up in the district. Two of them are rectangular, with stretcher bases and a large drawer, and the one next to the settee is oval-topped. Hand-woven table covers and piano scarf in the bright, crude shades dear to the hearts of the early settlers, add a vivid note of color.

On the piano, near the front windows, is a huge bottle of green glass. The lamps in this homelike room are simple in shape, with chintz shades. Several interesting old prints hang on the walls.

## In and about the garden

Continued from page 616

set up, taking the best bloom of each in the show, the result would have been of breath-taking beauty, and would have given the Rose, the Gladiolus, Iris, and the Dahlia fans something to think about.

There were no entries of Singles, and only three small exhibits of Japs, Rashoomon, Fuyajo, Tomato-Baku, Tokio, and Isani Gidui were well shown, the latter winning for best Jap bloom. Exquisite, with green carpels, is almost an exact duplicate of Isani Gidui, but later and therefore very desirable. Cathedral is of an unusual type, and valuable.

The winning displays of Mr. C. W. Bunn of St. Paul, of Mr. John M. Kleitsch, and Mrs. Joseph Sellwood of Duluth proved that people can grow Peonies just a little bit better if they have an abiding love for them.

Mr. Harry A. Norton, of Ayers Cliff, Quebec, brought a box of blooms under his arm. In it were a 2-inch bloom of the yellow Tree Peony lutea, and an exceptionally fine 6-inch bloom of its hybrid, the lovely Souvenir de Maxime Cornu. This was a most interesting demonstration of the possibilities in scientific plant breeding. Also in his box was a big lump of Canadian summer snow on a green stem, or in other words, a magnificent full double 8½-inch immaculate white seedling Peony, Number 2600. This was later given a First Class Certificate.

The new seedlings are to many the most important part of a show, and while not many were displayed, some

very high quality was evident. A First Class Certificate was given to J. V. Edlund, White Bear, Minn., on A49, a shell pink-double, seeming to possess the points a fine Peony should have to an unusual degree.

Mr. A. B. Franklin, the veteran peony grower of Minneapolis showed a whole table full of his seedlings, many of them of high quality. For the most distinguished exhibit in the show he was given the first award of the James Boyd Memorial Gold Medal, recently established by the Pennsylvania Horticultural Society. The seedling Committee also gave him a First Class Certificate on his E 21, a double bloom, delicate flesh in the center, shading towards white at the edges, and Certificates of Honorable Mention on D 28, a fine even light pink double and on D 82, a striking light red double, which held its color well during the show. [THE AMERICAN HOME Achievement Medal offered for the best seedling was not awarded because the judges could not agree as between the Norton and Edlund entries! There were four judges evenly divided with a fifth, the chairman of the group, refusing to cast a vote. A really amazing and regrettable situation.]

One long table held a beautiful arrangement, having a basket with Peonies and other flowers in the center, the rest of the table covered with low flat dish arrangement of short stemmed singles and Japs, sparsely placed among foliage of a dwarf Dicentra.

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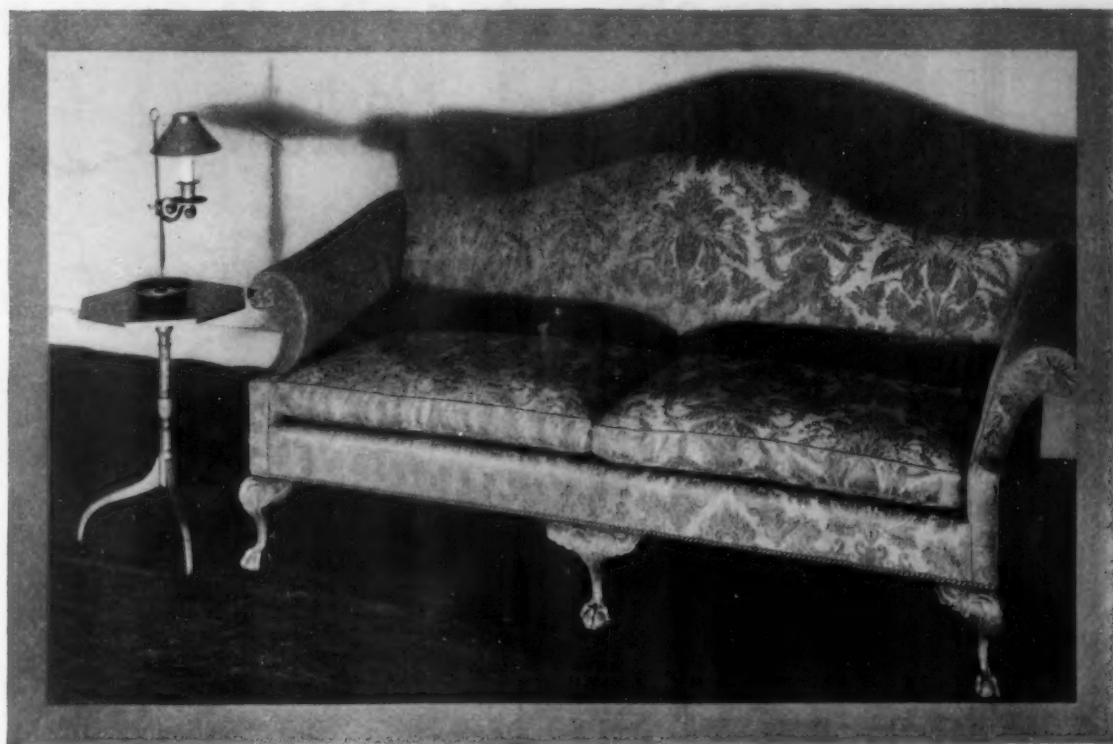
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### *How many times should a spring be tied?*

Each spring of a really fine sofa, such as the Danersk piece

pictured above, is first pressed down to the tension that provides maximum comfort and then is firmly tied down at eight or ten different points.

In sofas less worthy, mechanical spring units are often employed or fewer springs are used and the individual spring is tied only three or four times. Of course this may seem more comfortable at first but cannot give lasting wear and comfort.

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*Placing a telephone at their disposal is as much a part of hospitality as flowers on the guest room table*

1 1 1

MUCH of the charm of gracious hospitality lies in the little things you provide for the comfort and enjoyment of your guests. Fresh-cut flowers. Theater tickets. The latest novel. A breakfast tray. A guest room telephone for their personal use.

This last is a modern courtesy which adds the final note of convenience to the other arrangements you have made. It makes it possible for your guests to place outside calls whenever they want... or to receive them in the privacy of their own quarters. If your telephone system is intercommunicating, it enables them to talk with their host and hostess and various other members of the household.

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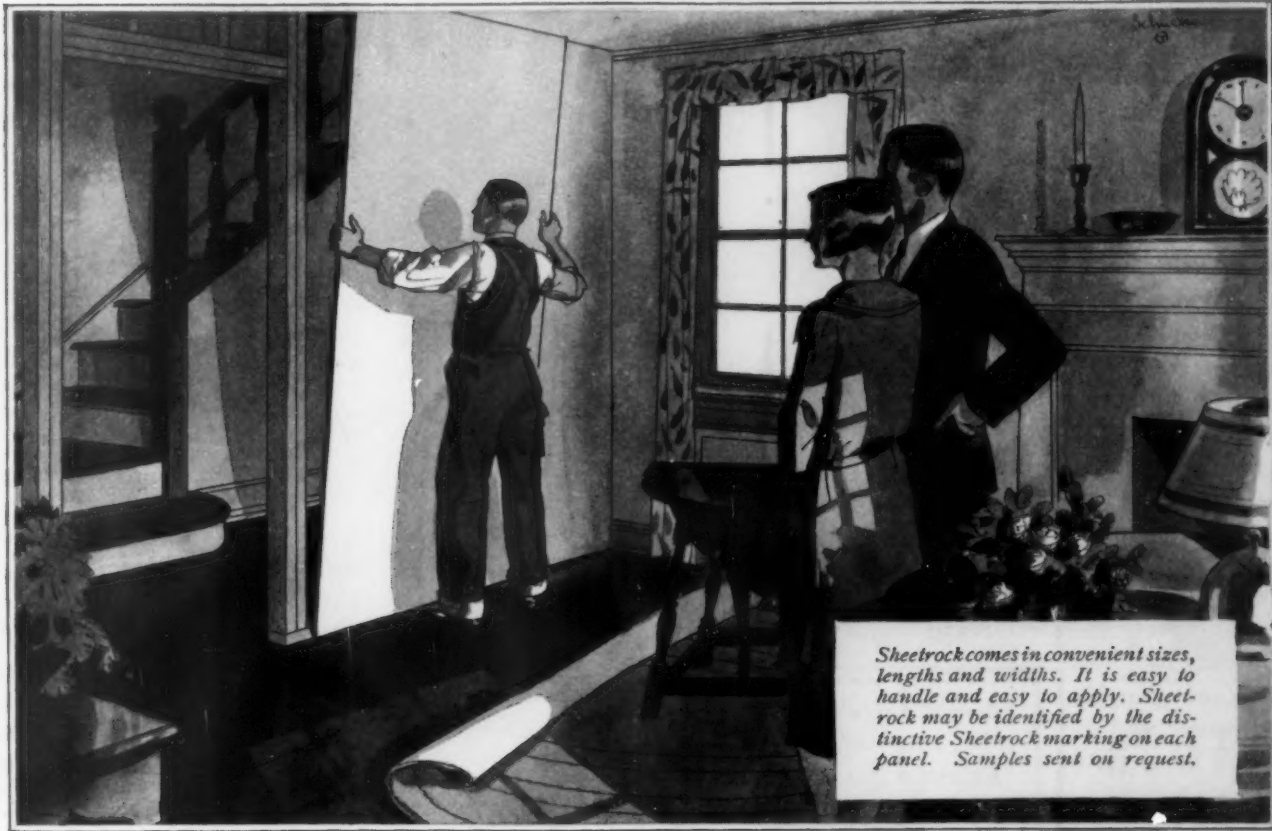
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A MESSAGE TO HOME OWNERS FROM  
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Every foot of this packaged lumber was clean and bright. It had been protected from



Completely identified and protected lumber could not be had three years ago. It is different today. 4-Square Lumber comes in labeled packages. It looks better, it is better, and it builds better.

damage at every step of its journey. It was properly seasoned, ready and fit for use in a well-built house. Each package was labeled with the brand name—4-Square Lumber—and

the maker's name—Weyerhaeuser. Robert Smith knew that he was getting his full money's worth because each package was plainly marked with the *species* and *grade* of lumber it contained. Each package was *guaranteed*.

Notice on the 4-Square package Label—the maker's name and trade-mark, the name of the product, the guaranteed specie and grade, and the guaranteed length of the lumber in the package.

Every piece was *exactly* the standard length specified on the label. And the ends of each piece were *precisely squared*. There was less waste, no needless hand-trimming.

And as John Smith watched his brother's house being built, he noticed the unmistakable respect of the carpenters for this better lumber and finer construction that resulted.

He felt that good as his own home was, his brother's was even better.

4-Square Lumber, the lumber with the *eleven plus values*, was introduced three years ago by Weyerhaeuser, the world's largest lumber producing organization. It is setting new standards in house construction. And it will have an even more far-reaching effect—bringing the ideal home still nearer—when the important developments now in progress are announced.

So when you build your new home, go to the 4-Square Dealer and see the lumber with the eleven plus values. And write for your copy of a book you should read—"Eleven Plus Values." It gives facts about lumber every home owner should know.

Every piece of 4-Square Lumber gives you these

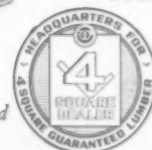
**ELEVEN PLUS VALUES**

- 1 FULL LENGTHS
- 2 SQUARE ENDS
- 3 PROPERLY SEASONED
- 4 BETTER CRAFTSMANSHIP
- 5 BETTER CONSTRUCTION
- 6 PROTECTED ENDS AND FACES
- 7 BETTER APPEARANCE
- 8 MARKED FOR SPECIES
- 9 MARKED FOR GRADE
- 10 TRADE-MARKED
- 11 GUARANTEED BY WEYERHAEUSER



This message to home builders is published by Weyerhaeuser as spokesman for

**4 SQUARE DEALERS**  
FROM COAST TO COAST



WEYERHAEUSER FOREST PRODUCTS  
Merchants National Bank Building  
St. Paul, Minnesota

Please send me a copy of "Eleven Plus Values."

Name .....

Street and No. ....

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

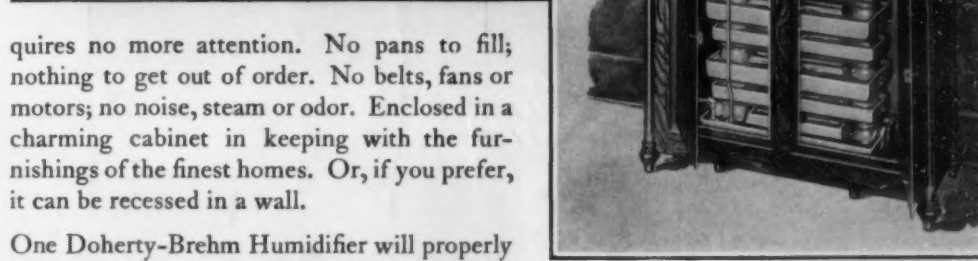
Lumber Dealer's Name .....

AH-9



# Thirsty air is conquered!

*Ingenious humidifier gives springtime balm to winter heat . . . .*



**THIRSTY AIR!** Kiln-dry and super-heated! A constant danger in our homes during the winter months. Ask your Doctor! He'll tell you it causes many winter ills such as colds, bronchitis, sinus troubles and mastoids. It irritates the nose and throat. It chaps the skin. It makes hair dull and brittle. Even at high temperatures, Thirsty Air feels chilly and uncomfortable. Ask your Architect, your Builder, your Decorator! They'll tell you Thirsty Air drinks the moisture from furniture, walls, floors and woodwork—shrinking, cracking and warping them out of shape.

But there is a way to conquer it! The marvelously efficient Doherty-Brehm Humidifier quickly eliminates Thirsty Air with all of its devastating effects. Instead of dry, enervating air, it fills the home with the fresh, balmy atmosphere of spring. Colds become unknown. Furnishings remain soft and shimmering. House plants thrive. Remaining indoors becomes a pleasure. And all because of proper moisture in the air.

In hundreds of America's finest homes, the Doherty-Brehm Humidifier is providing comfortable, healthful humidity throughout the months of winter. Those who have experienced its enjoyment marvel at its efficiency and value its benefits far beyond the measure of its moderate price. To provide this delightful, May-morning atmosphere in the home, it evaporates astonishing quantities of water—20 to 100 gallons daily—silently, automatically and economically. The insignificant amount evaporated from pans on radiators is not nearly enough.

It is both a heating and humidifying unit. It fits into the heating system—hot water, steam or vapor—like an ordinary radiator and re-

quires no more attention. No pans to fill; nothing to get out of order. No belts, fans or motors; no noise, steam or odor. Enclosed in a charming cabinet in keeping with the furnishings of the finest homes. Or, if you prefer, it can be recessed in a wall.

One Doherty-Brehm Humidifier will properly humidify an entire house or individual apartments. There is a size and type for every home.

*Sold through CRANE on easy payments*

The Doherty-Brehm Humidifier is sold by the Doherty-Brehm Co. and by Crane Co. through dependable heating contractors everywhere. You can buy it under the Crane Budget Plan and pay only 10% down, the rest in small monthly payments. Call in the near-by heating contractor and tell him to equip your home now. Mail this coupon for free booklet.

*\$150 to \$225, f. o. b. factory, installation extra, in beautiful metal cabinet. Other models in period wood cabinets. Supplied also for recessing in wall.*

DOHERTY-BREHM CO.

333 N. Michigan Ave., Chicago, Ill.

Please send your instructive booklet about humidity and the Doherty-Brehm Humidifier. I have \_\_\_\_\_ rooms in my house. I have steam \_\_\_\_\_ hot water \_\_\_\_\_ vapor \_\_\_\_\_ heat.

Name \_\_\_\_\_

Address \_\_\_\_\_

DOHERTY - BREHM  
HUMIDIFIER

## A House Sees and Breathes Through Its Windows



MORNING and night, you close and open your windows. They fill each room with clean, sweet, fresh air. Their importance, in the health and comfort of your family, cannot be overestimated.

How wise it is, then, to equip your residence with windows which operate smoothly, which can be adapted instantaneously to the changing seasons. We refer to Lupton Home Casements.

These exquisitely designed steel casements have the light touch of modern decorative design. And beneath this beauty is the enduring strength of steel. They will not stick or warp on damp days. The Lupton friction-hinge prevents all rattle. (There's nothing more provoking than a squeaky window at night!)

They embody every improvement that experience dictates. Frames are drilled for screen and drapery attachments. Screen and brackets—even plate glass—can be ordered, at minimum cost, with the window. Spring pivots permit screens being put up or taken down in a few seconds.

The varied advantages of Lupton Home Casements make them the logical windows of the future. They belong in every residence that wishes to remain modern. Their small extra cost is not to be compared with the extra comfort with which they invest your home. Have us send you a free copy of the interesting color booklet, "Your Windows Through a Decorator's Eye." David Lupton's Sons Co., 2267 East Allegheny Avenue, Philadelphia, Penna.



ABOVE: This living room is fragrant with the scents of September—led indoors by Lupton Casements.

UPPER RIGHT-HAND CORNER: Lupton Casements, effectively placed, give added charm to this side view of a gracious home.

LOWER RIGHT: These Lupton Casements contribute to the restful mood of this quiet corner.





# Why Did Hendrick Hudson Leave Home....

Placidly through the blue haze of the smoke spiralling from his meerschaum pipe, Hendrick Hudson gazed at the comfortable walls of his Dutch home... spotless they glistened with their blue and white Delft tiles. Why did Herr Hudson leave this peaceful quiet for his cramped quarters on the "Half Moon" and strange seas?

The answer is the pioneering spirit which

was to discover Hudson Bay and New York's Hudson River.

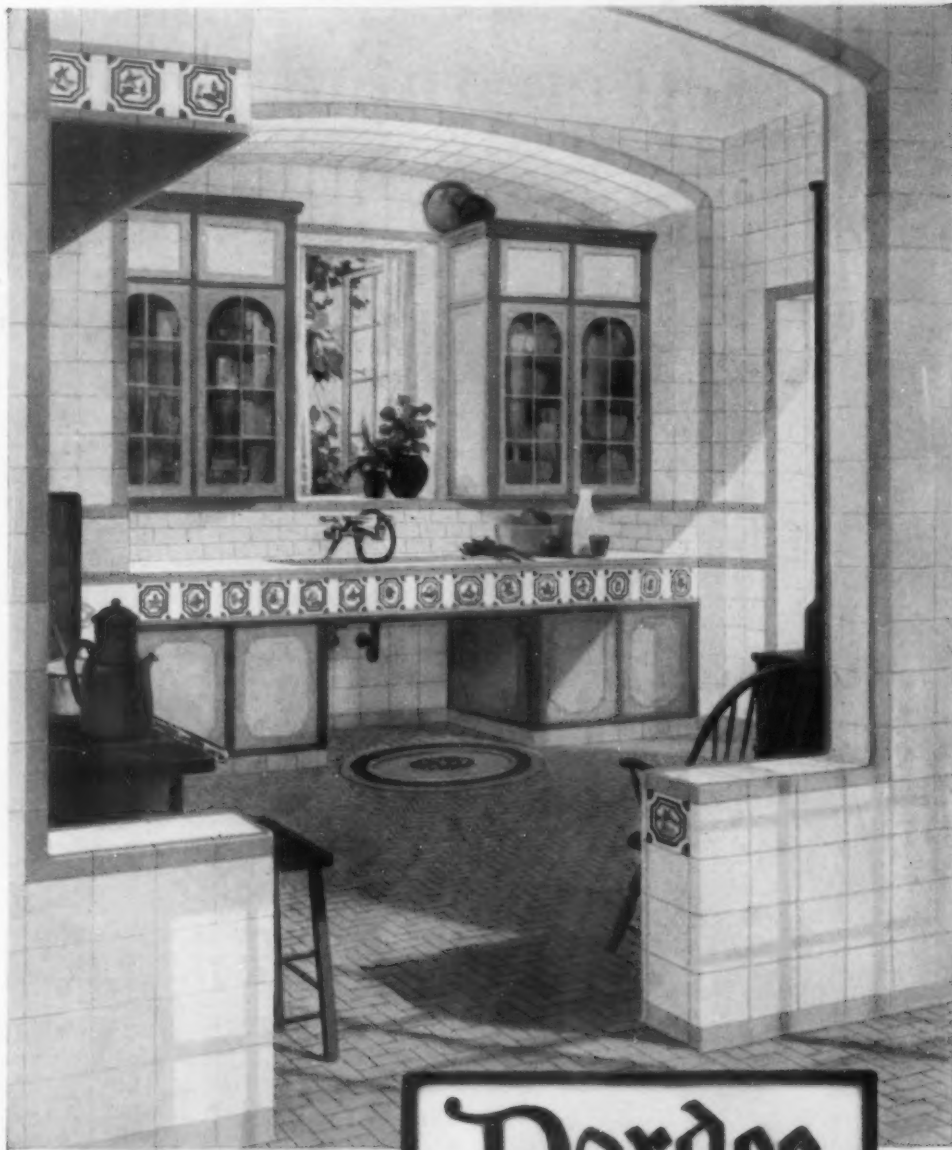
Likewise Pardee takes pride in its pioneering through which it can offer you today not only the original Delft tile with their quaint blue designs on gleaming white enamel background, but a wide choice of the finest tiles in America. The Pardee exclusive screening and high firing process insures

you an enduring beauty and real economy because with Pardee tiles you have no annoying signs of wear, no repairs—economical installations for every budget.

*Pardee tiles deserve a BONDED installation which is guaranteed by a large indemnity company. Architects consider this a remarkable tribute to Pardee tiles and their tile contractors.*

PARDEE SUPPLIES WHATEVER YOU NEED IN TILES

Pardee Tiles and Matawan Ceramics, both famous for their quality, are now sold by the Pardee-Matawan Tile Co.



MATAWAN



CERAMICS

PARDEE-MATAWAN TILE CO.  
101 Park Avenue, New York City

Kindly send me without cost or obligation:

- Folder in color.
  - Name of tile contractor for a BONDED installation.
  - Color sketch of enclosed area showing how it will look if tiled in Pardee.\*
- \*I enclose {  Sketch of tile area (with dimensions)  
                   Blueprint with area indicated.

Color scheme is.....  
Name.....  
Street.....  
City.....  
State.....



## It costs less to keep them well

Every mother knows that the "Dear Old Golden Rule Days" are not always the joyous, care free days of song and story. Thousands of mothers know that Spencer Heaters can do much to eliminate the constant colds and mercifully rarer serious illnesses that come from uneven temperature in the home.

It costs less for Spencer automatic fuel feed than for the annoyance of frequent firing demanded by flat grate heaters. The Spencer maxim, "The Lowest Cost Heat You Can Buy" is not merely a catch phrase, but an established fact, proved by more than thirty-three years of daily use, by thousands of satisfied owners.

This ingenious heater is made with grates that, instead of being flat, slope down from a magazine. Instead of frequent firing by hand, the Spencer fuel feed is by gravity—as the fuel rolls down from the magazine to feed the fire below.\*

It is this combination of Gable-Grates and magazine feed that permits the Spencer to use the small size fuels—No. 1 Buckwheat

anthracite and small size by-product coke—that are so low in cost. No. 1 Buckwheat anthracite, for instance, sells for about half the

price of large anthracite sizes—and you save all of this difference in price.

In addition to the Spencer saving, you secure a direct control of temperature at the fire—for fuel feeds only as fast or as slow as it is needed. The convenience of automatic fuel feed that needs attention only once or twice in twenty-four hours is an added Spencer feature.

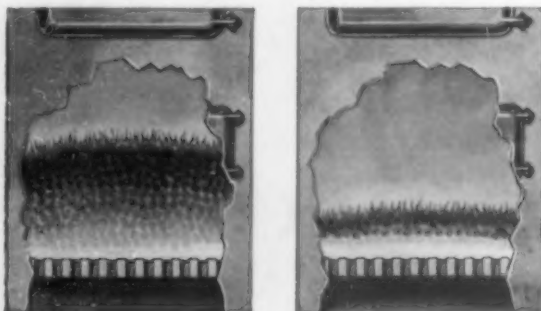
Write for the Spencer book "The Fire That Burns Up-hill." It describes in detail the operation of the Spencer Magazine Feed Heater that provides in any home, "The Lowest Cost Heat You Can Buy." SPENCER HEATER COMPANY, WILLIAMSPORT, PA. Division of Lycoming Manufacturing Company.

\*Everybody knows that ordinary heaters require refueling frequently as the fire burns to ash. With a Spencer, fuel is put only once a day into the magazine—illustrated below at (A). Fuel covers the grate to a sloping level controlled by the magazine mouth (B). The fire bed stays at the level shown at (C), for as fuel burns it shrinks to ash (D) and settles on the Gable-Grate (E). As the fire bed shrinks more fuel feeds down automatically from the magazine, which holds enough fuel to feed the fire for as long as 24 hours, with only one shaking of the grates.



Illustrated is the Spencer Magazine Feed Heater for the home of average size. Spencer Heaters for steam, vapor, or hot-water systems are made in cast iron sectional and steel tubular types, for any size home or building. Sold and installed by all responsible heating contractors.

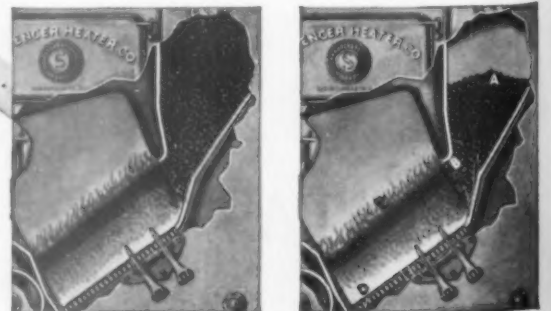
**FLAT GRATE HEATER**  
Showing how burning fuel shrinks away to ash  
—heater must again be refueled



FIRE BURNS UPHILL .. FUEL ROLLS DOWN ..

**SPENCER**  
Magazine Feed  
**HEATERS**  
for steam, vapor or hot water

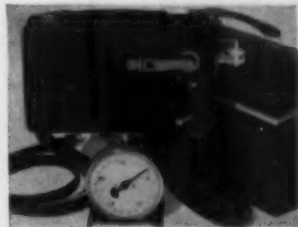
**SPENCER MAGAZINE FEED HEATER**  
The shrinkage of burning fuel lets more fuel feed  
automatically from the magazine.\*





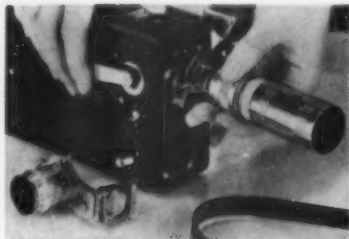
# A Wonderful New Movie Camera

THAT TAKES BLACK AND WHITE,  
KODACOLOR AND TELEPHOTO MOVIES



Weights only  
3 lbs. 11 1/2 ozs.

## Interchangeable Lenses—



It's a matter of seconds to slip one lens off and another on the new Model K Ciné-Kodak. Takes  $f.3.5$ ,  $f.1.9$ , and  $f.4.5$  (long-focus) lenses.

## Half Speed—



Pressing a handy button automatically reduces the speed from 16 exposures per second (normal) to 8 per second. A big advantage in dull light.



**YOU'LL** call it marvelous . . . nothing less! This new Ciné-Kodak Model K is all you can ask any home movie camera to be . . . yet hardly larger than a novel.

Two features of the new Model K give it this wide range of use . . . interchangeability of lenses, and half-speed operation at the press of a button.

For ordinary use, the  $f.3.5$  lens is completely satisfactory. But instantly interchangeable with the  $f.3.5$  is the faster, more versatile,  $f.1.9$  lens. The  $f.1.9$  is required for Kodacolor, home movies in color.

Still a third lens, fitting the Model K, is the  $f.4.5$  long-focus for telephoto effects.

The half-speed feature gives each picture a longer exposure, a great help in overcoming poor light.

The capacity of the Model K is 100 feet, though 50-foot reels may be used. Its spring motor is crank-wound.

The Model K is richly finished in beautiful leathers—black, brown, blue and gray—and is sold in a combination carrying case with room for extra film, Ciné-Kodak Filter Outfit, and long-focus lens. Equipped with  $f.1.9$  lens, the camera weighs only 3 pounds, 11 1/2 ounces.

## For Distance—Telephoto Effect



The  $f.4.5$  long-focus lens gives a telephoto effect by enlarging the image to three times the usual width and height.

## Takes Movies in Full Color—



Model K with  $f.1.9$  lens takes movies in full, natural color when used with Kodacolor Filter and Kodacolor Film. As easy to make as movies in black and white.

Your Ciné-Kodak dealer is now showing, in addition to the Model K, the new Model M Ciné-Kodak. Equipped with  $f.3.5$  lens only. The lightest camera taking 100 feet of 16 mm. film. It is finished in black only with carrying case to match.

Model K with  $f.3.5$  lens is \$110, with case . . . with  $f.1.9$  lens, \$150 with case. Long-focus lens for telephoto effect and Kodacolor Filter are sold as accessories. Model M, with case, is priced at only \$75. Complete outfits—Ciné-Kodak, Kodascope Projector, and Screen—as low as \$143. Eastman Kodak Co., Rochester, N.Y.

**Ciné-Kodak**  
MODEL K



## A SUGGESTION IN SANITAS FOR THAT COLONIAL ROOM

This dainty semi-Colonial Brocade pattern lends itself admirably to bedroom, living room or hall where choice Colonial pieces or even reproductions are part of the picture.

Combining the decorative virtues of Colonial and modern design, Sanitas adds its own features such as waterproof surface, non-fading colors and strong cloth back that discourages wall cracks.

There are one hundred and forty Sanitas styles from which to choose—modern and period designs for every room in the house, and a group of charmingly delicate plain tints in dull finish.

Sanitas, now in its twenty-fifth year, is sold by leading dealers and decorators. Protect yourself by looking for the Sanitas trademark on the back of each roll. It is not Sanitas unless so stamped.

The Standard Textile Products Company  
320 Broadway Dept. 30 New York



WRITE FOR  
YOUR COPY

Let us send you  
samples and a  
copy of this  
guide to good  
wall decorations

# SANITAS

MODERN  
WALL COVERING



Ask your dealer to show you the Twenty-fifth Anniversary Sanitas Sample Book containing the complete line of styles for every room in the house





*With warm beauty the CUSHIONED FLOOR in  
hallways extends the welcome of your home*

**Y**OUR hallway! It is the introduction to your home. Here you greet your guests. Here you say farewells. Here are formed those first and last impressions of a household. Such a place the *cushioned floor*, with order, dignity, and beauty, permanently transforms.

For Rubber Flooring combines efficiency with great beauty. It muffles sound. It will not stain. It can not scar or scuff. The smooth lustre of the finish remains always the same. Always the patterns, brilliant or dark, modern or in an older mode,

stay permanently fresh. Rubber Flooring is made in many colors and many textures. It can be patterned to agree perfectly with your present architecture. But whether Spanish, Louis Quinze, Early or Late American, the period finds a proper complement in Goodyear Rubber Flooring. With alert courtesy, with cleanliness, it guards your threshold always.

For every room in the house Goodyear Rubber Flooring is suitable. To dining

rooms it brings a sense of good living. To living rooms a generous hospitality. To bedrooms a quiet restfulness. Water does no harm in bathrooms or kitchen. No flooring is so easy to care for. Smooth and yielding underfoot, Rubber Flooring lessens the fatigue, increases the charm, the comfort, and order of the modern house.

For attractive booklet, descriptive of this comfortable modern flooring material, write to Goodyear, Akron, Ohio, or Los Angeles, California.

THE GREATEST NAME IN RUBBER

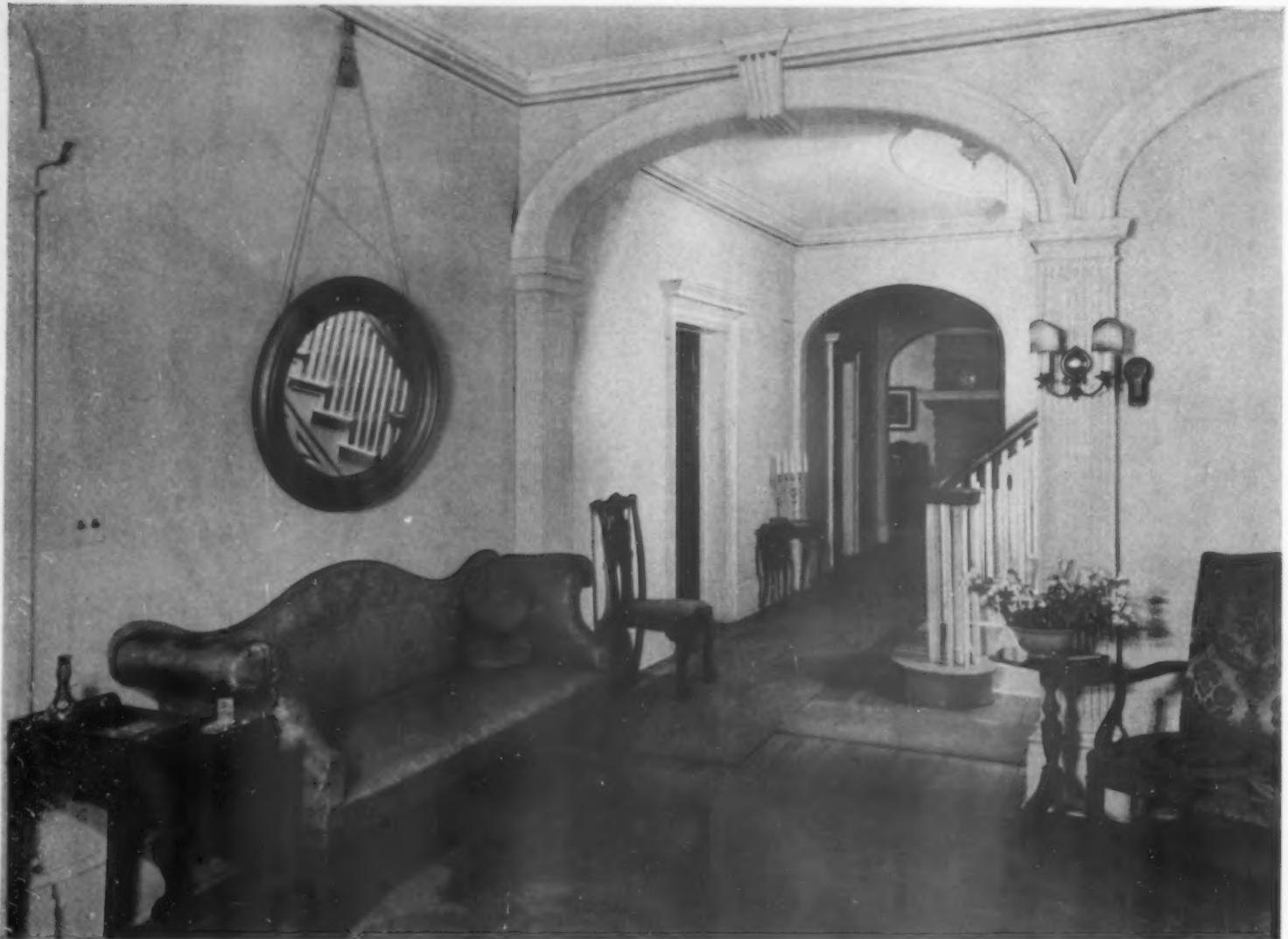
**GOODYEAR**

RUBBER FLOORING

NO FACTOR of protection is more important in your home than the pipe installed in it. Because it is in constant service and literally buried in the walls and under floors, inferior pipe is a liability which eventually reveals itself in personal discomfort and damaged property. On the other hand, Byers Genuine Wrought-Iron Pipe is lasting security. Install it once and protection is permanent. . . . Your architect recognizes the superiority of Byers Pipe, and your plumbing and heating contractor welcomes it. The name "Byers" imprinted in the metal and the famous

## ENDURING SAFETY FOR THE TREASURES OF HOME

Spiral Stripe are assurances of Genuine Wrought-Iron Pipe. Initially, it costs more than ordinary pipe because it is extraordinary. But ultimately, because



of the constant service and enduring protection, it is most economical. It is a lasting investment—not a temporary outlay. . . . Byers Genuine Wrought-Iron Pipe is a standard specification in better homes today. Its leadership in other fields of service is equally recognized. Wrought-Iron is the only ferrous metal that contains the *Vital Element* (silicate of iron) in sufficient quantity to resist corrosion decade after decade. In Genuine Wrought-Iron, this silicate of iron is present throughout the metal, 250,000 and more rust-resisting ribbons to the square inch. Like the companion-silicate from which glass is derived, this *Vital Element* offers lasting resistance to all forms of corrosion. . . . Remember, "Byers" is the trade name for perfection in wrought-iron pipe. It is readily identified by the

Spiral Stripe. If you wish, we will be pleased to send you Bulletin No. 38 which tells more about Byers Genuine Wrought-Iron Pipe and its uses. A. M. Byers Company, Pittsburgh, Pa.

**BYERS** GENUINE  
WROUGHT  
IRON **PIPE**



AN INVESTMENT — NOT AN OUTLAY





... has your home a pine room—

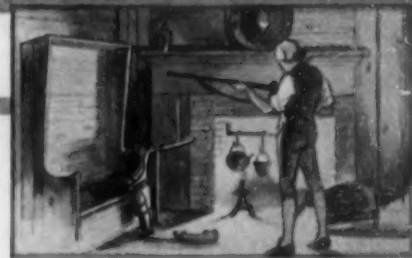
Speaking of living rooms, walls of knotty pine are now the thing in homes that are really lived in. Homes with children, with young people, where surroundings must be cheerful and not too stiff to stand wear.

Mellow, genial walls of Shevlin Pine naturally suggest hospitality. They are beautiful, intimate, homelike... and they can stand any amount of hard use.

Interior decorators and architects know from experience that knotty pine improves with service. Occasional bumps only add to its quaint suggestion of age. Fingermarks wipe off.

Your pine room can be moderate or lavish as you choose. The necessary outlay depends on the style of the room. It is even possible to install simple feather-edged Shevlin Pine yourself. Thoroughly dried, smoothly milled, accurately grade-marked, Shevlin Pine is easy to work with.

Whether you are building or remodeling, a pine room is possible for you. Just ask your architect, interior decorator or builder. He already knows all about Shevlin Pine — the pine that for more than forty-five years has fashioned America's fine homes.



*Knotty pine walls are found in the historic Hancock-Clarke House at Lexington, where John Hancock and Samuel Adams slept and were awakened by Paul Revere at dawn the day of the battle. Today knotty pine is found in modern living rooms such as the one illustrated from the home of William Hodge, Round Hill, Greenwich, Connecticut. H. W. Rowe, Associates, Architects, New York City.*

#### "Pine Homes and Pine Interiors"

Send One Dollar for this recently published book giving an authentic account of the use of pine in American homes. Invaluable to interior decorators. Introduction by Joseph Everett Chandler, eminent architect. Exclusive photographs of choice pine rooms, entrances, hallways, book nooks, corner cupboards. Invaluable to those building new homes or modernizing. Address: Shevlin, Carpenter & Clarke Company, 908 First National-Soo Line Building, Minneapolis, Minnesota.

There is plenty of Shevlin Pine in five varieties. Your dealer can easily get it for you by writing the nearest office: Chicago: 1866—208 South La Salle Street Building; New York: N. H. Morgan, Sales Agent, 1205 Graybar Building; San Francisco: 1030 Monadnock Building; Toronto, Ontario: 606 Royal Bank Building. If you have any difficulty getting Shevlin Pine just write us and our nearest branch will see that you are supplied.

**SHEVLIN PINE**

1880

GOLDEN  
ANNIVERSARY  
YEAR

1930

## DAVEY TREE SURGERY



Reproduction from a painting made on the campus of the Sweet Briar College, Sweet Briar, Virginia, by Frank Swift Chase

© The D. T. E. Co., Inc., 1930

## Half a century since John Davey originated the science of Tree Surgery

FIFTY YEARS ago John Davey began experimenting with his new theory that trees could be saved by curative processes. Were they not living things? Were they not subject to disease, injury and other ills? And yet to most men they were just trees, destined to die whenever circumstances took them.

Countless millions of people had seen trees die—if they saw trees at all—without ever a thought that they could be saved. John Davey saw sick and injured trees with understanding and sympathy. He conceived the idea that a system of methods and treatment could be

devised that would save innumerable trees that were being lost unnecessarily.

What gave him the idea no one knows. John Davey passed away suddenly nearly seven years ago without disclosing the source of his inspiration. He did a comparatively rare thing; he gave the world a new idea. As with most new ideas, John Davey endured the long and bitter struggle against ridicule and cynicism and inertia and established habits of thinking. He struggled forward with remarkable determination and with sublime courage. He lived long enough to see his new science a

proven success both from a practical and a commercial standpoint.

Like most geniuses John Davey did not care much for money. He had a profound love of nature and was not only thoroughly trained in horticulture, but was an eager student of the related sciences. He not only gave to the world a new idea, but he gave a fine philosophy also. To him the whole development became a great ideal of usefulness and constructive service. His spirit impressed itself indelibly and is a living force in the organization that he founded and inspired.

THE DAVEY TREE EXPERT Co., Inc.  
348 City Bank Bldg., Kent, Ohio  
MARTIN L. DAVEY, President and General Manager



JOHN DAVEY  
1846-1923  
Father of Tree Surgery  
Reg. U. S. Pat. Office

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**Build Your Own Home**



**MODERN HOMES  
World's Lowest Prices!**

Save \$500 to \$2000 at our amazing new prices. We furnish Plan-Cut materials, plans, with building instructions. Choose from 100 sturdy homes. Brick, stucco, or wood. No extras! Save 1/3 labor cost—18% waste. Send free coupon.

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Easy to build with our Plan-Cut materials. Saves you one-third.

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Design shown No. 464—size, 20 x 20—\$152. Planned for sunshine, warmth, ventilation. Easy to build. Plan-Cut.

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Get our free estimate. Mill prices. Quick service. Satisfaction guaranteed or money back.

**5000 Bargains**

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World's Largest Specialists in Home Building Since 1885  
1498 Case Street, Davenport, Iowa

Check:  Homes  Garages  Poultry Houses  
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**WRITE QUICK!**  
No limit to amount you can earn. Depends solely on you. John M. Nagle, Texas, made enough in spare time to buy expensive car; Mrs. C. B. Quinn, \$2,000; housewife, in 19 hours made \$193. Investigate! Write today.

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Dept. 9563  
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**A Good Start On The Road To Success**

MANY women have found this home study course in interior decorating the open door to a life work that is dignified—interesting and remunerative. Operated by Arts & Decoration, leading authority on building and decorating modern homes.

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This is the only absolutely complete course of its kind in existence. We have just combined our two famous home study courses—adding that on Modernistic Decorating to the course on Period Decorating—so that for little more than the cost of the old Period Course you now get a complete course on Modernistic Decorating as well.

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**More Important To You Than Tactics Are To A West Pointer**

**DURING** the four-year course at West Point our future army officers study the arts of war, in preparation for wars that may never come.

But you know only too well that November at the latest will bring the battle of the cold to besiege your home and assault your pocketbook.

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"Letters To and Fro" is the complete manual of defense against this unrelenting invasion. In this booklet you will find the formulae of security, heat comfort and fuel thrift.

Read it and see how to prepare the shock troops and have the reserves drawn up for the great fuel-saving, comfort-insuring battle of 1930-31.

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If your prestige as a home manager is sagging, you can take out the slack by making your heating system do a 100% job this winter. You can do it yourself, single handed!

Revive all of those "air bound" half-dead steam radiators by replacing the old valves with Cadwell No. 10 Air Valves. When the steam comes on, these valves will remain open till the cold air is all out, then close up tight and stay closed. This action allows the stubbornest radiator to heat from end to end. One or more Cadwell No. 10's will be sent you for \$1.00 each, guaranteed for five years, if not at your dealer's.

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**\$1** Anywhere in the U.S.

Allows the Radiator to Heat From End to End

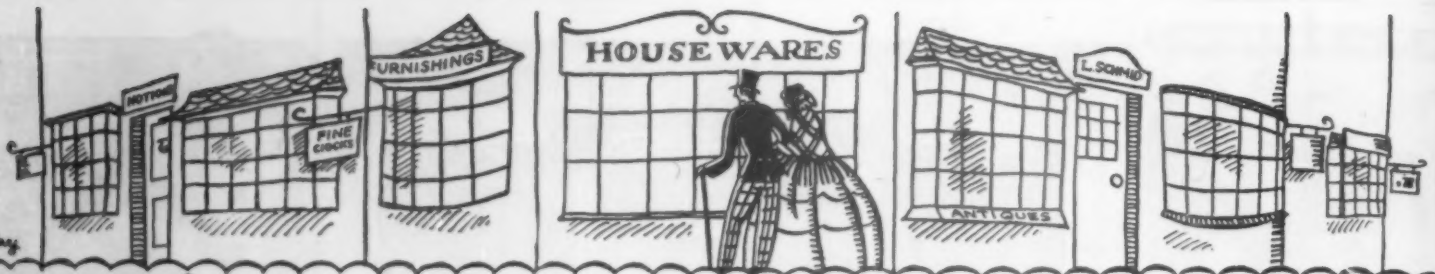
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Conducted By  
Shirley Paine



**AT LAST** we find a holder in attractive enamelled aluminum for household cleanser cans. The Arrowhead Specialty Company out in the Hearst Building, San Francisco, offers it in Nile green, jade, orange, jonquil, ivory, light or dark blue, coral, pink, or cherry red. All standard sized cleanser cans slip in. No more rust stains on tile or porcelain; easy to hold. A long-needed accessory in the kitchen sells for 65¢ postpaid.

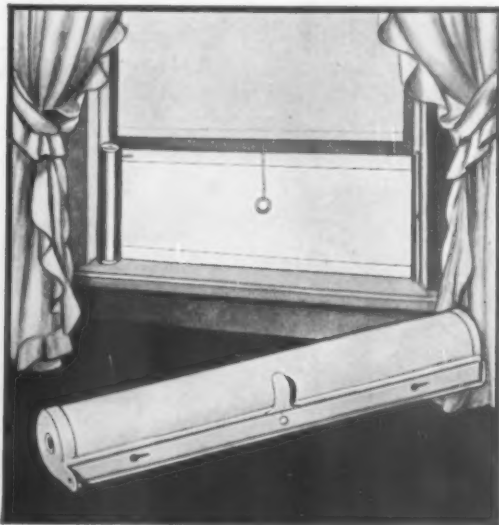
**FOR** September we show seven new household devices; each one unique, each one useful, each one well priced. To expedite delivery merely send your orders with check or money order to the firm names listed. For further information on household devices, just write Shirley Paine.

**ELECTROCUTE** mosquitoes! This device by New Invention Factories, 30-22 33d St. Long Island City, N. Y., does just that. Attaches to any 110 volt light socket; a wire screen winding makes contact when insect touches it, saucer (removable) catches them when they fall. Positively harmless to children or grownups. Insects are attracted to the light. Inquiries for price should go to the New Invention Factories.



**THIS** brand new juice extractor gets all the juice but not the rind. Green glazed porcelain reamer removes instantly for cleaning. A slight downward pressure causes reamer to revolve automatically and the rounded edges get every drop of juice. Full quart green glazed porcelain bowl. The Ade-O-Matic Co., in the Wrigley Tower, Los Angeles, is the maker. \$3.95, p'paid.

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**AN AMAZING** new ventilator cuts out drafts, dust, insects, rain, snow; admits an even flow of fresh air; vanishes when not in use! In white, ivory, light green, mahogany, or sky blue. The Roll-A-Vent Co., 151 West 40th St., New York, offers it in 36", \$3; 48", \$3.25. Refill screens of pre-shrunk linen, \$1. All p'paid. Screens wash easily.



**THIS** new magnifying glass has its own light—first real solution of the reading glass problem for books, maps, textile inspection, or home eye and throat examination. Made by the Lumilens Co., 26 Gaffney Place, Yonkers, N. Y., of aluminum, bronze finish. Price \$7.95 p'paid.

**A STURDY** long-handled brush of specially treated palm fibre for getting at out-of-the-way places—the bottoms of percolators, the squares of waffle irons. It was found at the Belroth Company, 355 West Ontario St. Chicago, and sells for 50¢ postpaid. Fibres are baked into the handle.





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# Washing dishes is no longer WORK! ...it's FUN with an "EBCO"



All because of the built-in dishpan—No more scouring and storing a bunglesome metal pan. The EBCO dishpan is deep, round, smooth and self-draining... equipped with pop-up type waste plug and removable strainer—it won't clog or overflow—15 1/2 inches in diameter and 8 inches deep—a commodious receptacle that offers many possibilities towards lightening the burden of kitchen tasks.

In addition, there is a drain board and drying compartment, also self-draining—and a special wire drain basket.

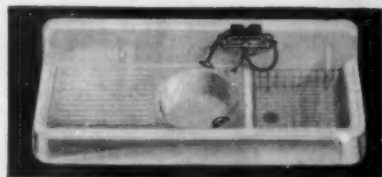
The "EBCO" is obtainable in all the wanted styles and sizes in two compartment models without drainboard and the same in flat rim type, for setting in tile. It is beautifully finished in choice of vitreous enamel or EBCO special acid resisting enamel—white or colors.

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## "EBCO" Kitchen Sink

"THE PRIDE OF THE HOME"



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BY  
**CONANT-BALL**



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**COLONIAL FURNITURE**

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ARE YOU faced with some problem in constructing, remodeling, furnishing, or equipping your home? So many helpful ideas and suggestions are contained in the literature of reputable manufacturers that you may find in one of the booklets listed here just the information you are looking for.

The American Home acts as a clearing house between reader and manufacturer, thus simplifying your search for products or information. You can order the booklets you wish on the coupon at the bottom of page 608. We will forward your name and address to the manufacturers involved, and they will send their literature direct to you.  
—HEARTHSTONE EDITOR.

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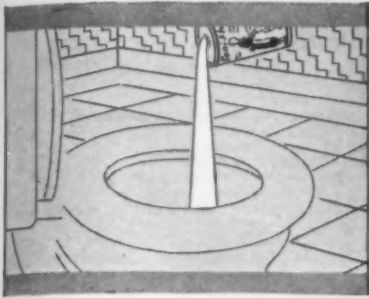
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is so unnecessary

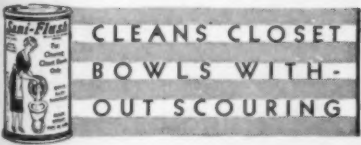


THAT hated task—scrubbing a toilet bowl—need never be performed in your home again! There is a modern way—quick, easy and far more sanitary.

Merely sprinkle a little Sani-Flush in the bowl, follow the directions on the can and flush. Watch the results. The bowl is snow-white. All incrustations are swept away. All odors vanish. All germs are killed. Even the hidden trap, which no brush can reach, is cleansed and purified.

Try Sani-Flush tomorrow. Sold by grocery, drug and hardware stores everywhere in convenient punch-top cans, 25c; in Canada, 35c. The Hygienic Products Co., Carton, Ohio. (Also makers of MELO—a fine water softener.)

**Sani-Flush**



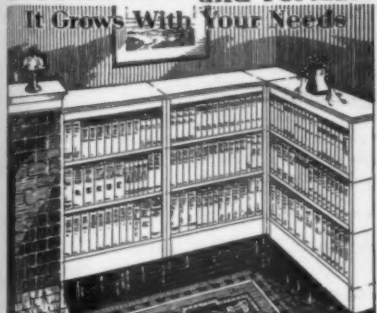
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**BONDED fireplaces NEVER smoke**



THIS

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**House-warming**  
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"What a beautiful fireplace!" exclaims a friend. Then the first match—which settles it for good and all. It smokes—and how! Coughing, choking, fuming, red-eyed guests. That first party goes down in local history as the "Bridge of Cries"!

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So you get "Statler Service" here, from employees trained in an interested helpfulness to guests.

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**Renew**  
them  
with the amazing  
**New Floorola**  
Method—Avoid  
expense and incon-  
venience of floor  
refinishing

FLOOR-REFINISHING jobs are expensive! They take time—labor—money! They disarrange the entire household! The same identical results can be obtained by RENEWING your floor surface with the new Floorola!

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ONLY with Floorola can you obtain the superlative characteristics of the marvelous, revolutionizing Floorola finish!

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No longer need you apply wax to your floors the obsolete, old-fashioned way. \*Floorola does it automatically! Floorola does it perfectly! No longer are waxed floors sticky and gummy.... Floorola uses but a minimum of wax which it burnishes into the floors. Only a beautiful rich lustre remains... the wax has vanished!

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\*This vital automatic waxing feature, exclusive with Floorola, applies Floorola wax direct to the floor thru the distributing brushes!  
If you could lift the Floorola finish from your floors, you would find it transparent as glass; thinner than tissue; tougher than leather; smooth as satin!

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Learn more about this revolutionary new Floorola process—send for our interesting booklet—"The Secret of Beautiful Floors!"

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Please send me your illustrated booklet, "The Secret of Beautiful Floors."

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**Now** PRICED WITHIN THE REACH of EVERY HOME OWNER

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Continued from page 606

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For my information only, will you please state briefly, the plans you have in mind which lead to your request for booklets. Be sure that you are making your selection from the latest issue of The American Home.

—HEARTHSTONE EDITOR

HEARTHSTONE EDITOR, THE AMERICAN HOME, GARDEN CITY, N. Y.

1. I am planning to .....

2. Please send (at no expense to me) the following booklets.  
(Insert numbers from list)

.....

Name .....

P. O. Address .....

City .....

State .....

SEPT.



# If your fingers just itch to plan rooms that are *different*



Here's  
a helpful hint from  
Hazel Dell Brown  
and an offer of a  
whole bookful of  
unusual interiors

"ALMOST every woman," says Hazel Dell Brown, "hides a longing to really venture a bit when she decorates. But habit holds back your hand, even when fingers itch to lift rooms out of the commonplace.

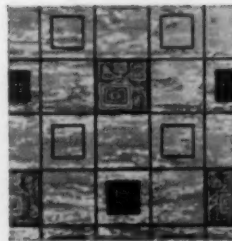
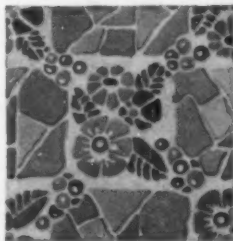
"It really doesn't take any daring. Merely discard some obsolete ideas, get a bright beginning, and go ahead.

"This girl's bedroom is a good example. Take that bold arrangement of beds. It's really not so bold, and is certainly very practical now that it has been done. And the plain blue linoleum floor with its sixteen-point star of autumn tan. *That* certainly upsets some old-fashioned ideas! But doesn't it *make* the room?"

"That's exactly what it did. It was the bright beginning I mentioned. Somehow, when you start with a floor of smart color and design, your room can't help but be delightfully different.

"And that start, that bright beginning, is not at all difficult to find. The hardest task is to pick out just *one* Armstrong Floor from the many fashionable effects now showing at local

Embossed Inlaid Design  
No. 6131



Armstrong's Arabesq Design  
No. 9311

linoleum, department, and furniture stores.

"It's very much like selecting draperies. Your new Armstrong Floor, too, can be installed with as little bother (cemented over linoleum lining felt). And then you'll make the happy discovery that these floors are different in many practical ways. Quiet and foot-

The bright beginning for this unusual room was a floor of original design. Plain blue Armstrong's Linoleum forms the field. A sixteen-point star insert completes the effect.

comforting. Warm, too. They even speed housecleaning, for dust can't find a single hiding place. Nor will the Accolac-Processed surface spot or stain. You keep it gleaming by a light waxing and polishing. Or simply renew the surface with Armstrong's Linoleum Lacquer. (Do not lacquer over wax.)

"I'd like to tell you more about these floors that give rooms bright beginnings. So please let me send you my latest book, '*New Ideas in Home Decoration*.' In it you'll find a free offer of my personal help when you decorate. Just send 10¢ for mailing. Address Hazel Dell Brown, Armstrong Cork Company, Floor Div., 933 Pine Street, Lancaster, Pennsylvania."

Armstrong's  
Product

## Armstrong's Linoleum Floors for every room in the house

PLAIN . . INLAID . . EMBOSSED . . JASPÉ . . PRINTED . . ARABESQ . . and ARMSTRONG'S QUAKER RUGS

# The refrigerator with the *monitor top*



The Monitor Top, which contains the hermetically *sealed-in-steel* mechanism, is the modern symbol of economical refrigeration. Its splendid performance record merits the name—MONITOR TOP.

**W**HEN you buy your electric refrigerator, look for the Monitor Top *first of all*. It is your assurance of efficiency, your guarantee of economy and convenience.

Within the hermetically sealed walls of the Monitor Top the simple General Electric mechanism moves quietly in a *permanent* bath of oil. Air, dirt and moisture are sealed out.

The dependable mechanism of the Monitor Top makes the General Electric Refrigerator a servant that lightens labor, saves money and above all guards the health of the family.

Prices now start at \$205.00 at the factory. You can have a gleaming white General Electric Refrigerator—striking in modern beauty—placed in your kitchen tomorrow by taking advantage of our time payment plan.

For booklet, write Section Q-9, Electric Refrigeration Dept., General Electric Company, Hanna Bldg., 1400 Euclid Ave., Cleveland, O.

• • •

Join us in the General Electric Program, broadcast every Saturday evening on a nation-wide N. B. C. network.

Its 4<sup>th</sup> BIRTHDAY

—and this remarkable refrigerator adds still another year to its matchless record of service.

GENERAL  ELECTRIC  
**ALL-STEEL REFRIGERATOR**  
ELECTRIC WATER COOLERS • COMMERCIAL REFRIGERATORS • ELECTRIC MILK COOLERS

Baby's net list and list from This kitchen which infanc square feet a nates tipping basket tables er in Wise buy it

Write free co book o niture

GEN



## IT'S NEVER TOO LATE TO BUILD A LODGE THAT'S UP BEFORE YOU KNOW IT

THIS IS A MESSAGE for the man who has wanted a shooting lodge, or a fishing lodge—and never had time to build.

Even now, with the fall sporting season upon us, there is still plenty of time to erect an attractive, comfortable lodge, and use it *this year*. After you've picked a floor-plan, we make your Hodgson House in sections, ship it ready to erect. In a few days it's up, and ready to occupy. You can erect it yourself, or we will send a construction foreman to supervise details.

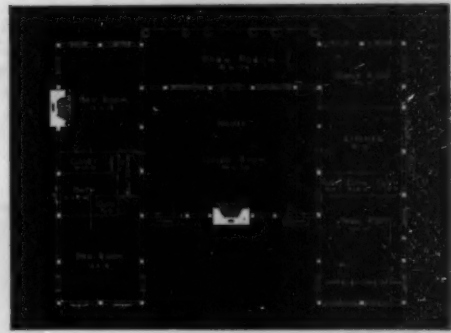
A Hodgson lodge is comfortable summer or winter. Lined with Celotex for insulation, it defies extremes of heat or cold. Well-planned fireplaces or a heating plant can be installed to afford generous warmth. And it lasts for years! Hodgson Houses everywhere have withstood the severest storms. Weather-proof cedar and Douglas fir are used in construction.

All the fuss, delay and unexpected expenses of building are eliminated. You can have a lodge as simple as the



one pictured above, or a very elaborate vacation home. Send for booklet K. It gives pictures, plans, prices, and also shows furnishings and lawn and garden equipment—bird houses, dog kennels, arbors, picket fences, poultry-houses, etc. Write to E. F. Hodgson Co., 1108 Commonwealth Ave., Boston, Mass., or 6 East 39th Street, New York City.

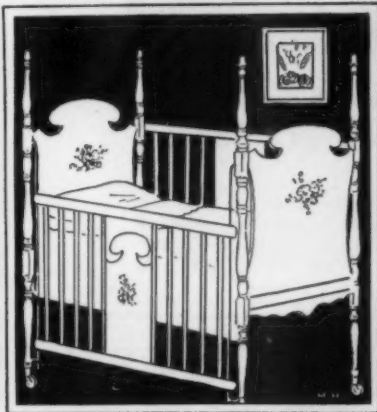
### HODGSON Houses



## YOUR BABY'S COMFORT



Gem Bassinet No. 3002 20" wide, 37" long, may be had in ivory, exquisite soft green enamel, or in walnut.



Gem Crib No. 3091, 30" wide, 54" long, comes in ivory or green enamel, or in many unusually lovely shaded finishes.

### Today and Tomorrow

Baby's first bed should be a small wheeled bassinet like 3002 pictured above. It is inexpensive and light and extra mobile and thus quickly moved from room to room wherever Mother is working. This keeps Baby comfortably under Mother's eye, which is so important for the first months of infancy. It stands squarely on its own feet and thus eliminates the danger of tipping improvised baskets, etc. from tables, chairs, or other insecure places. Wise mothers will buy it.

When Baby is ten months old, get him a Gem Crib that will serve him until it is safe to put him in a juvenile or an adult bed. Gem Cribs are not only beautiful, they are safe. Their paint is a carefully selected non-poisonous variety. Their bars are so narrowly spaced that not even the littlest baby can get his head between them. And in spite of their unusual virtues, they cost no more and often less than cribs of inferior makes.

# GEM CRIBS

and Matched Sets

Write us today for a free copy of our lovely book on Nursery Furniture.

It has valuable new suggestions on economical ways to furnish charming nurseries.

GEM CRIB AND CRADLE CO.

GARDNER, MASS.

## COLORFUL NATURAL STONE

Residence of W. D. McClintock  
Detroit, Michigan

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Our new Ashlar Wall Facing Booklet illustrates many Briar Hill houses, pictures the stone in its natural splendor and contains helpful ideas for prospective home builders. Ask for free Bulletin AHS. Blueprints of *your* dream home will be estimated without obligation.

THE BRIAR HILL STONE COMPANY  
Glenmont, Ohio

WRITE FOR THIS FREE BOOKLET

# SHOP WINDOWS OF MAYFAIR

BY SHIRLEY PAINE



Early fall is upon us with schools and colleges opening, summer homes closing, and thoughts begin to turn to seasonable things. We've found such cute and useful ideas this month, carefully chosen for good taste and value. Just send your orders with checks, and all inquiries, direct to the shop addresses given.

**W**HAT a jolly imported menagerie I discover at Pitt Petri, 378 Delaware Avenue, Buffalo. They are designed by a famous sculptor, really "work," and are so original that they delight the eye when idle. Merry Mule, Gleeful Giraffe, Capering Colt all—\$4 each; Sorrowful Scot-tie, \$3.25. Add 12¢ postage.

**L**ITTLE folk sick-a-bed will delight in this junior size hot water bottle outfit from Best & Co., Fifth Avenue, New York. The bottle is good quality rubber, and may be used plain, or for moderate heat one may slip it into the white flannel bunny through an opening in the back. Price \$1.95, complete p'paid.



**VIRGINIA**

**HAMS**

Sugar Cured and Hickory Smoked

From corn fed piggies direct to you by Parcel Post come these delicious Virginia delicacies.

Proper cooking of a ham in the Virginia manner is half the taste. We shall be glad to mail upon request a descriptive folder of our hams together with recipe for cooking.

**Virginia Settlers Cabin**  
Harrisonburg, Virginia



**U**P NEW ENGLAND way one finds some of the nicest pewter imaginable, and this general purpose tray was chosen from a large assortment at Daniel Low & Company, Salem, Mass. It is pure pewter of heavy gauge, 10 3/4" long and 7 1/2" wide; and may be used for bonbons, small cakes, nuts, hors d'oeuvres, olives, pickles, relishes—many, many things. I've seen it and have one myself proudly ensconced among other nice pewter things in an antique mahogany wall-shelf. Best of all, perhaps, is the price of \$3.95 postpaid.

A Catalog of Suggested Groupings and Individual Pieces of Hearthstone Un-finished Furniture will be Sent upon Receipt of Ten Cents.

**HEARTHSTONE FURNITURE CO., INC.,**  
224 East 57th Street  
New York

**3 MAPLE BEDROOM GROUPS**

Carefully selected to assist you in furnishing artistically yet inexpensively.

A choice of pieces in each group.

Sold UNFINISHED with instructions for finishing, in Maple finish or finished to order.

Visit our showrooms or send toc. in stamps for illustrations with prices.

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Faculty of leading New York Decorators  
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**NEW YORK SCHOOL OF INTERIOR DECORATION**  
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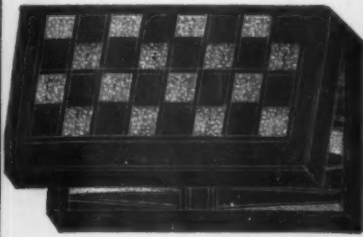
"New Artistry in Radiator Concealment" can help you. Write, phone (Murray Hill 8600), or visit us.

**TUTTLE & BAILEY MFG. CO.**  
441 Lexington Ave. New York City  
83 years' experience in heating and ventilating



# SHOP WINDOWS OF MAYFAIR

## Back, Back to BACKGAMMON



THIS old English Society Game is back again. And clever society hostesses in New York and the East are bringing out Backgammon Boards at smart gatherings and reviving this interesting and popular pastime.

BACKGAMMON Checker and other Boards come in many varieties of finish and at prices from \$1.75 to \$20.00 for fine leather sets.

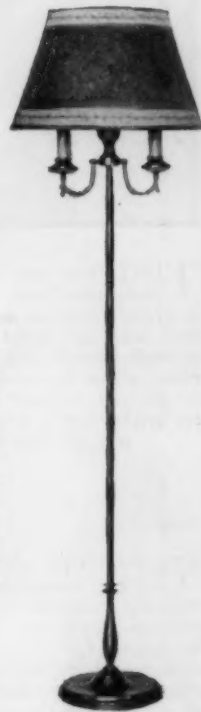
Ask For Our Summer Catalog For complete descriptions of Backgammon Boards, as well as Games and Playthings for in-doors and out-doors; the beach, playground and the home.

What You Buy at MAYFAIR Is Always the Best

**Mayfair Playthings Store**  
9 East 57th St. New York City

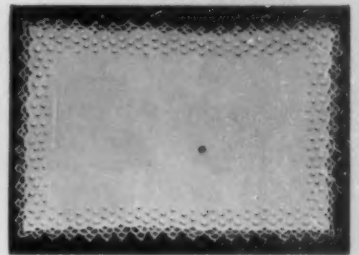


THIS fine Colonial solid pewter lamp was found at the shop of Robert Leavitt, 44 River St., Boston. It is 15" high, has an unusually nice hand cut frosted globe, and exquisite crystals. It is offered as a fall feature, \$15 complete; without globe, electrified, ht. 10 1/2", \$8.50. Prices are FOB Boston; this shop has many other Colonial lamps.



WHAT a well balanced Early American reproduction lamp in antique bronze, with a large rich orange shade with gold wreath design! But just wait—besides two regular candle reading fixtures Hilam Inc., 152 Farwell Ave., Milwaukee, has built in a fine hidden ceiling floodlight to avoid all shadows when such service is needed. \$50 complete.

## NEW—HANDMADE LINEN SETS



White hand embroidered dots and scallops on exceptionally fine quality cream colored linen.

Hand picoted edge.

A Charming and Practical Gift

<b>BREAKFAST SET</b>	<b>TABLE SET</b>
Scarf 14" x 20"	Scarf 18" x 36"
Two 14" Napkins	6 Mats 12" x 18"
\$6.50	\$25

ROUND PIECES AND NAPKINS IN SAME PATTERN

Write for Illustrated Catalog

**J. B. SHEPPARD & SONS**  
DEPT. X, 2012-14 Chestnut St., PHILA.

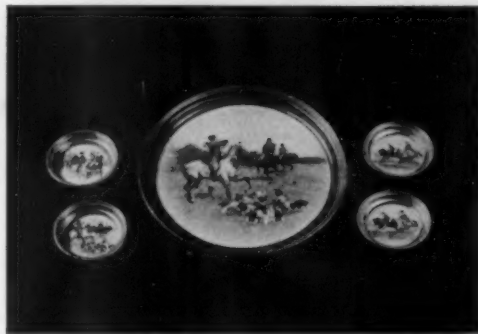
## BARREL CHAIR



Made out of a real barrel and surprisingly comfortable. Reversible loose cushion, 19" in diameter; height 20". Ten interesting materials or your own. **\$21.50**

**SOMERSET SHOPS**  
55 WATER ST. FAIRFIELD, MAINE

COLORFUL handpainted porcelain trays bound in stout pewter, imported. Three hunt scenes: "The Start," "Over the Rails," "The Kill." Large, 14" diam., small, 4". Complete set "special" at Three New Yorkers Inc., 8 West 47th St., New York; \$8.25 for 5 pieces. If purchased separate, large tray \$5; small \$1.75 pair.



## Our September "Special"

THE BEST PEWTER BUY IN AMERICA TODAY!



Special to American Home Readers: Large, very graceful candelabra reproduced in pure heavy \$4.95 pewter; 8" spread. Pair

Have you our Colonial Catalogue?

## three new yorkers

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new-york  
BRYANT 0285



THE AMERICAN HOME, a new quality home-making magazine that sells for only \$1 a year, will grace your table and supply you with some practical, helpful suggestions you've never found elsewhere. \$1 a year.

Published by  
**DOUBLEDAY, DORAN & COMPANY, Inc.**

## WEATHERVANES BY TODHUNTER



Rustproofed, ball bearing, complete with compass points, ready to install.

"OLD PEG LEG"  
28" high. \$28.00

"FORE"  
40" long.  
\$46.00



New illustrated catalog upon request  
119 East 57th Street, New York City

COPPER ... PEWTER ... IRON ...

## Quaint ...



No. MC564—Here is an excellent copy of a brass "Menorah" candelabrum with all the charm of the old ones. It is made of polished cast brass, 10" high and has a spread of 11". Express collect. Pair \$5.75

## B. PALESCHUCK

"The House of Metal Ware"

22 Allen Street, New York City

Send for Catalog M-9 Established 1897

ANTIQUES AND REPRODUCTIONS ... BRASS ...

## Two Exceptional VALUES



### TABLE LAMP

Exquisite pewter finish. 15 1/2" high including smart Parchment-like shade, decorated with an old New York print. Special \$8.95

VERY SPECIAL **\$8.95** each prepaid

Of sparkling white crystal with blue rim edged with gold. Also in green and gold. Units of 1 glass and 1 plate. 6 units to a set. Sets \$8.95 Units \$1.50 each.



### CANAPE SET

## HEATHER'S

THE HEATHER-MATHEWS CO.

411 Fifth Avenue (Near 37th St.)  
New York City

# SHOP WINDOWS OF MAYFAIR

## From Old Cape Cod



... come these lamp reproductions by Treasure Trail, wrought in Colonial brass, pewter or bronze.

The quaint glass founts and hand-made parchment shades in pastel colors lend an unusual touch of charm to these lamps; for desk or vanity use. Designed by a connoisseur in the art of their reproduction, they faithfully represent the period.

\$6.75 each. \$12.50 in pairs.  
18" and 13" high respectively

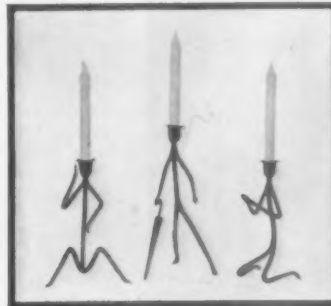
Illustrated folder of 25 new lamp treasures on request

**The Treasure Trail**

49 West 23rd St. New York City



THAT clever and original firm, The Melodelite Corp., at 130 West 42d St., New York, has designed one of the most novel and useful things possible—enamelled small cups in choice of six colors, which slip on one's teacup saucer for the wet tea-ball! No more spotted tea cloths. Use it for ashes! Set of 6 in nice gift box, \$1 p'paid.



IT'S true that the Guido Wrought Iron Shop, Inc., at 319 East 44th Street, New York is a trifle off the beaten path, still our pilgrimage over there was certainly rewarded by these very novel candlesticks at gratifying tariff—"Salute," ht. 10", \$3; "Promenader," ht. 12", \$3.50; "Prayerful," ht. 10", \$3. Without candles, express collect.



Decorative pottery of high-fired, beautiful Terra Cotta will add grace and color to your garden, sun-room and porch. Send 10c in stamps for catalog.

## GALLOWAY POTTERY

3214 Walnut Street, Philadelphia  
Also on display 509 Madison Avenue, New York

## HANDWROUGHT REPRODUCTIONS



### The Antonio

This exquisite lantern is a handwrought reproduction of an early Italian original. The simplicity of its lines relieved by the delicate leaf design at the top and bottom makes an ensemble wholly pleasing and in excellent taste.

This unusual fixture may be secured in pewter, brass, copper and tin, a range which assures complete harmony with any color or decorative scheme. Supplied with or without electric attachments at reasonable prices.

Send for illustrated catalogue

**INDUSTRIAL ARTS**

35Q N. Bennet Street Boston, Mass.

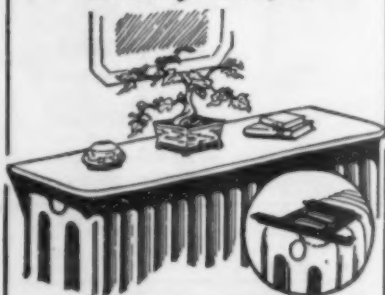
SILHOUETTE pillows will ever remind us of romantic Colonial days and one particular shop has dozens of pillows, samplers, rugs, handbags, and other fascinating things—all stamped in the exact colors for embroidery. T. E. Doelger & Co. 26 West 46th St., New York has especially priced these two, \$1.25 each postpaid, in your choice of any color linene, complete with floss and wool for embroidery.



HERE'S the famous early 19th Century London-Windsor Coach, richly hand-colored on hardwood under glass to protect from unexpected liquids. Strong walnut finished frame; size 13 1/4 x 17 1/2" ample for most serving. Handles metal and walnut; felt back and rubber feet prevent marring furniture. At Heather Matthews, 411 5th Avenue, \$7.50 postpaid. Gift cards may be enclosed.



## Make Your Radiators Doubly Useful



PROTECT WALLS AND DRAPERIES  
Beautify Your Home by Using  
**MILLER RADIATOR SHELF OR SEAT BRACKETS**

A pair of these strong, adjustable steel Brackets (easy to attach) and an attractive shelf or seat of warp-proof wood with rounded corners and edges, nicely sanded all ready for paint or stain to match your woodwork. Brackets hold wood securely. Brackets per pair ONLY \$1.50.

Shelves or Seats 1 foot wide by 2, 2 1/2, 3, 3 1/2, and 4 feet long, 50c. per foot. Special sizes on request.  
**THE MILLER SPECIALTIES CO.**  
Dept. N, VAN WERT, OHIO

Attractive folder on how to beautify your radiators mailed free.

## Unfinished Furniture

Bedroom Ensembles . . .  
. . . Dining Room Suites  
Occasional Pieces for every purpose . . .

You may apply your own finish or let us carry out your ideas of color and finish. Catalog mailed upon receipt of \$1, which is refunded on your first purchase.

### The Campbell Shops

OF NEW YORK INC.

216 East 41st Street N.Y.C.  
Vanderbilt 7226



THE NEAR EAST SPEAKS TO YOU FROM THIS EXQUISITE PILLOW AND RUNNER.

Made of pure natural color Irish linen with satin stitch in colors of henna, black and natural. Czechoslovakian design embroidered in Greece. Pillow 14 x 18 . . . \$4.00 postpaid. Runner 18 x 45 . . . \$4.25 postpaid.

An exceptional Kutahia ware ash tray of rich turquoise blue with black design. \$1.25 postpaid.

Have you seen our interesting catalogue?

**NEAR EAST INDUSTRIES**  
149 5th Ave., New York, N. Y.



## ANTIQUES

by Sarah M. Lockwood

Comprehensive, clear and handy, Antiques will solve your problem of getting the right furniture for the early American home.

Illustrated with 250 drawings \$3.50

**DOUBLEDAY, DORAN**





## Re-roof for the last time

**I**T is amazing how many people put off re-roofing until actual failure of the roof has allowed the rain to leak through and do costly damage to both ceiling and furnishings.

Attempts to economize by patching will not save you money. The leak pictured here compelled the owner to pay for replastering this ceiling as well as the one below, and refinishing the bedroom floor.

Don't let this happen to you! Fall rains and winter storms are close upon us. If there is any question in your mind about the condition of the roof you have provided for your family's protection, why not make certain about it by having a free roof inspection now?

Do as this family did after learning their lesson—ask your local J-M Dealer to bring samples of J-M Asbestos Shingles to your home.

Take the shingles in your hands. See what a contrast there is between these sturdy, unburnable, weather-proof J-M Asbestos Shingles and ordinary roofing. Compare the various colors and see

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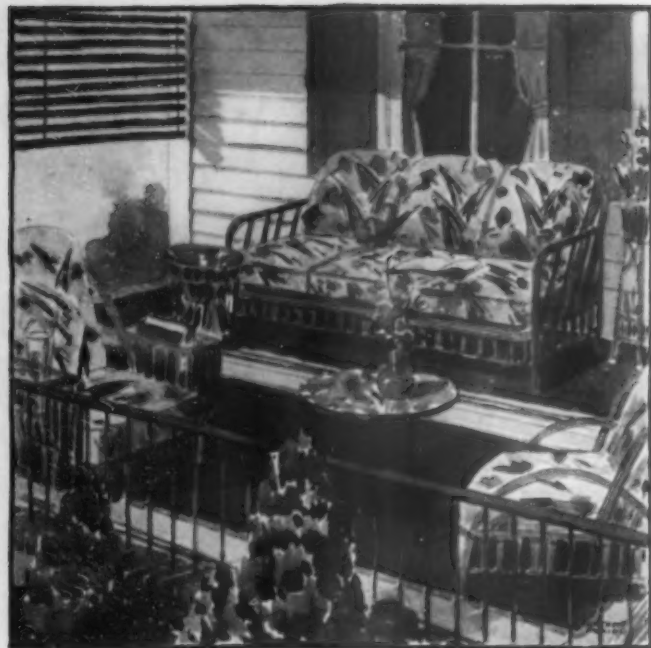
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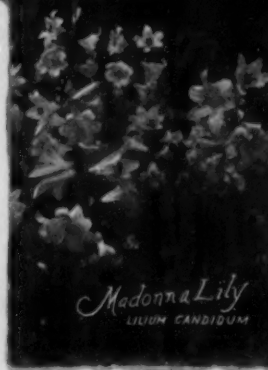
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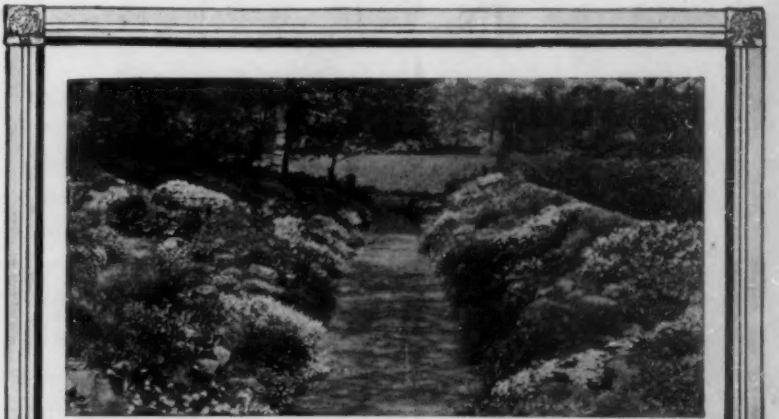
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### FLOWER AND GARDEN PAGEANT

[September 9th to 14th inclusive 1930]



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The first two days, September 9th and 10th,

will be devoted to garden displays, plant groups, gladiolus competitive classes, fruits and vegetables. September 11th and 12th will be devoted to the annual meeting and exhibition of the American Rose Society, and competitive classes for garden flowers and flower arrangements. September 13th and 14th will be competitive days for dahlias. During the entire week garden displays will be on view from America's leading seed houses, nurserymen, plant and bulb specialists and accessory manufacturers.

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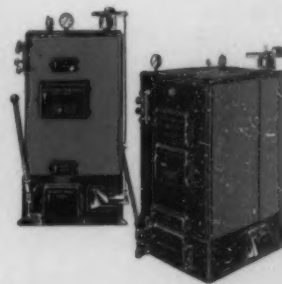
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\*We do not say smoking **Luckies** reduces flesh. We do say when tempted to over-indulge, "Reach for a **Lucky** instead."



