

TEN CENTS

MAY 1930

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The American Home



10¢

Little shingle house shown on page 167

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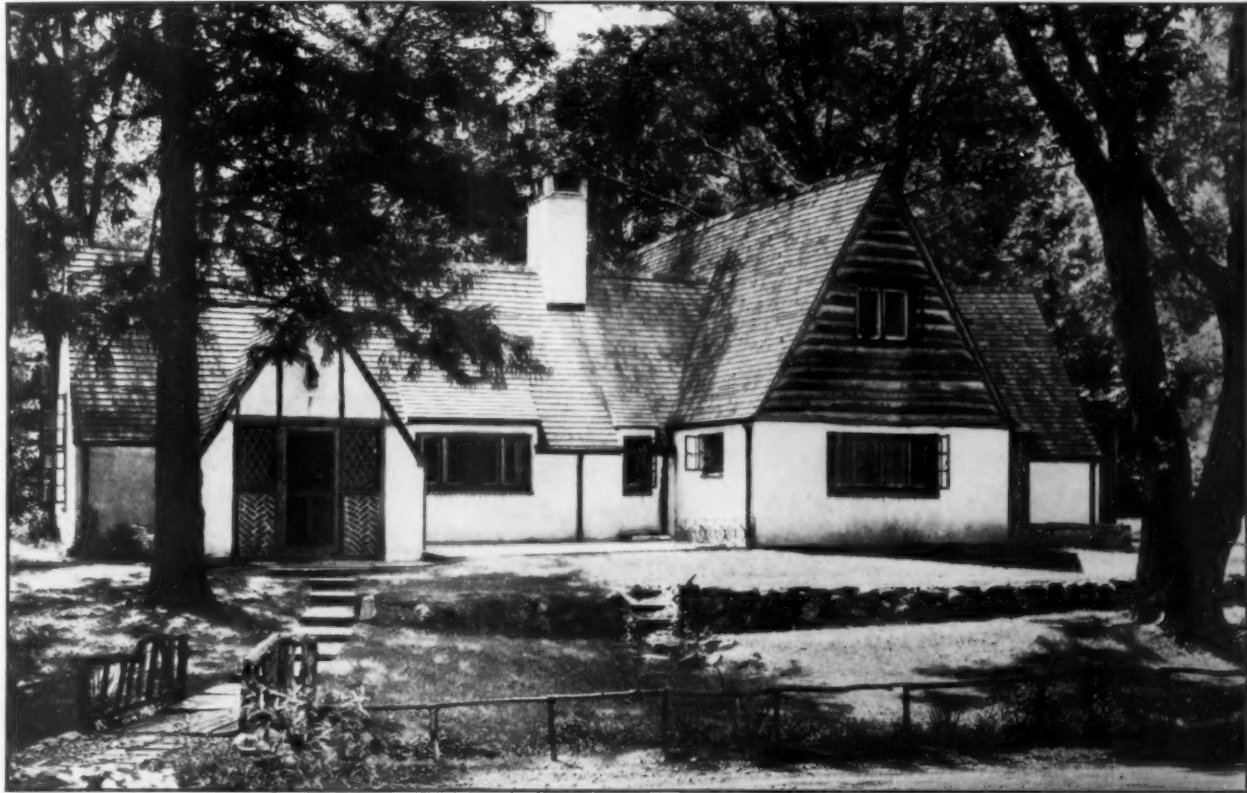
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Photograph by Harold Holiday Costain

When house and setting harmonize beauty results. The residence of Mr. Thomas Barclay. H. E. Woodsend, architect

The American Home for May, 1930

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The architect, Arthur T. Remick, New York, employed the same rugged lumber in the beautiful new home of Arthur W. Wood, Westchester, N.Y.

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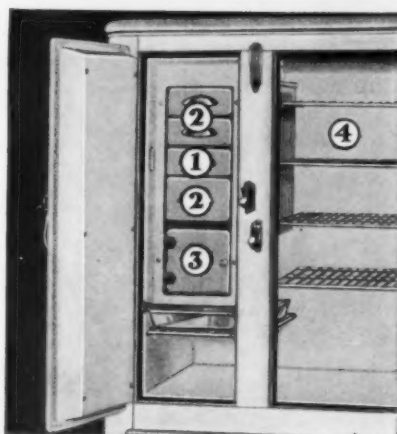
They saw immense strides being made in the development of methods for shipping frozen fruits, meats, fish—*fresh* from packer to consumer.

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Harold Holiday Costain

An Expression of
SPRING

The Flowering Dogwood

THE AMERICAN HOME

MAY

1930

The kitchen that became a house

Separated from its large, old, sheltering farmhouse, it evolved into the quaintest of homes

ELLEN D. WANGNER

ONCE upon a time—over a hundred years ago, in fact—there was a large country home on Long Island—an old, old farmstead. This farmhouse had a kitchen-ell, a long roomy addition that held big pantries and closets, a milk room, and a huge fireplace. And it had floors of very wide, hand-planed boards.

That was the inside of the kitchen.

The outside, also, showed the marks of another day when life moved at a more leisurely tempo. There were hand-hewn, hand-split shingles put on with hand-forged nails, shingles that had grown a soft, silvery gray with the passing years.

The kitchen had always expected to stay on that far side of the road and re-

main a vital part of the large house there. But the large house was sold. No one wanted huge kitchens with fireplaces any more; the kitchen-ell was to be torn down. It must go. Its usefulness had passed—at least temporarily.

Fortunately a woman with vision, and an eye that sensed its loveliness saw it and bought it. It was *not* to be destroyed but was to grow, instead, into the quaintest



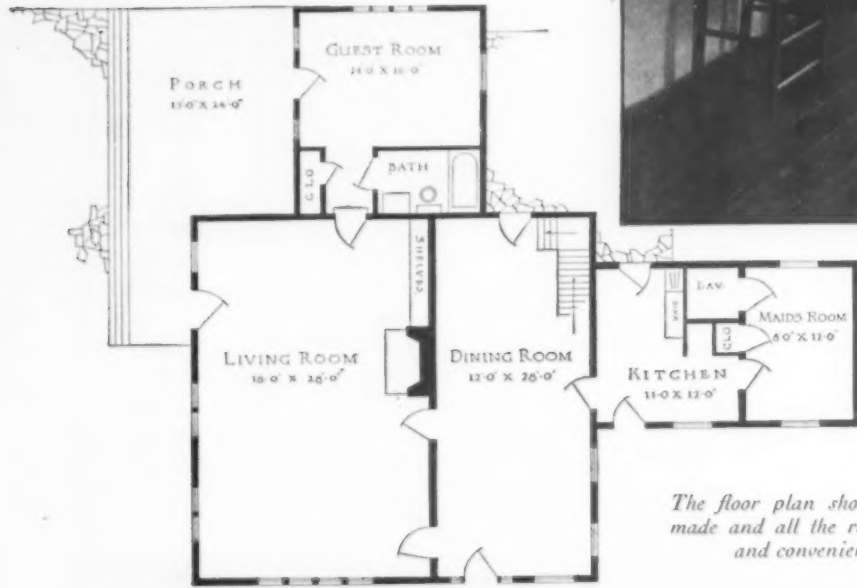
Spreading branches of the old apple trees peer into every window of this little house and in apple blossom time pink and white petals carpet the flagstone walk. (Photographs in this article by Richard Averill Smith)

of all quaint little homes, a house where Mr. Alfred F. Loomis, the well-known writer and yachtsman, lives. It was not torn down but moved—chimney and all—across the road and into the old orchard that had been bought to become the new resting place of the kitchen and the pantry and the milk room and the closets.

The gnarled apple trees made way for it; walls were dug about their roots. A dormer was put in the old roof; a porch was added beside the little room at the left of the house which had grown into a bedroom. *(Continued on page 206)*



With doors at either end of the dining room opening directly on the lawn and three sunny windows, there is a feeling of eating almost out of doors



The floor plan shows how additions were made and all the requirements for comfort and convenience were included

The living room below was the original kitchen. The grouping of furniture about the fireplace bespeaks genuine comfort



A comfortable home in one room

Where the furnishings are in harmony, the person living alone finds a small, but perfect, kingdom

ELIZABETH H. RUSSELL

THE most essential requirement of a one-room home is that it must look first and foremost like a living room, while carefully concealing its function of being also a bedroom.

First let us consider the wall. It is best to keep this neutral in tone, as you would probably tire of a surface with much figure. Most apartments have walls painted in a warm cream or light gray color, that make excellent backgrounds. If you have them done over, it is best to stick to a warm parchment tone if painted, or to a simple cream or neutral-toned wallpaper with small units. The wall may be neutral without being papered with oatmeal paper, or painted that muddy, yellowish tone which has been considered the "safety first" color by landlords for the past ten years. However, be careful not to get the walls too light, as furniture is apt to look too fragile and unpleasantly silhouetted against such walls. All parts of the room should blend together harmoniously, a

happy result which may be achieved only by a very careful selection of the background color.

FOR rugs, plain surfaces or those with inconspicuous figures are best, but this advice must not be taken to mean that the carpet needs to be drab and uninteresting. Too large figures in rugs or carpets seem to jump at you and upset the balance of the room. The floor should be dark with the colors growing lighter as they rise toward the ceiling. The simpler you keep your background the more effective your furniture and draperies become. The plain chenille or velours rugs may be in one of the many charming new shades now in vogue, which include rose-taupe, raisin, copper-bronze, grayish green, soft brown, old rose, deep rose, ashes of roses, and deep burgundy.

Many of the domestic carpet rugs with

small repeated units are very good looking, and if you do not wish to have a large rug to handle, either small domestics, two-toned velours or chenilles, or rich Orientals may be your choice. These may be spread on a bare floor, the surface of which we shall assume to be properly shellacked or waxed in as dark a tone as you are able to coax from your landlord. Rugs should be placed at the points in the room where they will best complement the furniture, a long one before the couch, smaller ones by the desk, etc. Never, never should they be laid cater-cornered. A rug should always follow the structural lines of the room, and the same rule applies to furniture. A restless, unbalanced effect is always brought about by furniture placed across corners, and rugs spread at all angles.

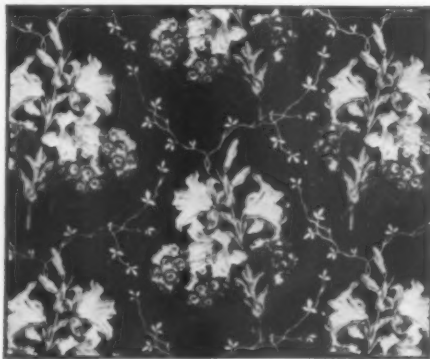
Having decided on walls and rugs, let us turn to the furniture. The first and most important piece of furniture is the bed. In many apartments you will



One room may become an inviting, livable home if each piece of furniture is chosen for a very definite purpose, and a harmonizing color scheme is carried out. (Drawing by Lurelle Guild)



A secretary desk is undoubtedly one of the best purchases one can make for a one-room apartment as it provides a writing surface, book shelves, and drawers for storage. (Courtesy, Lord & Taylor)



An opportunity for the introduction of color and interest in the room is through the draperies. Chintz such as this sample brings a garden into a room, especially appreciated by the city dweller.

not have to buy this piece, as the architect has already incorporated into a wall space one of the admirable built-in beds. If you do not acquire one of these modern inventions with your apartment, you will have to buy a substitute, and there are so many excellent models it is difficult to know which one to choose.

THERE is always the "studio divan" made from a box spring mounted on legs. These couches are comfortable for day use, and are easily converted into beds at night. Some couches open and have storage space for blankets and extra clothing inside. The box springs of a di-

A Duncan Phyfe reproduction with drop leaves is a delightful solution to the table which must do double duty, that is, answer for both living room and dining room use. (Courtesy of Lord & Taylor)



van should be at least eight inches deep, and the top should have a layer of curled hair over the springs. You may have these divans made by a local carpenter or cabinetmaker, or buy them complete at a department store or from a dealer in this type of furniture. Period feet may be made, if you wish to take that trouble, and six ball feet will give quite an air to an otherwise commonplace couch. Turned legs are usually used, and may be stained to match your furniture. As good a mattress as you can afford is then placed upon this spring. You may choose your couch cover from a variety of materials, but whatever you decide upon should be strong, and capable of hard wear. Denims, linens, velveteens, monk's cloth, are all good. It is best to have zipper fastenings on the seams of the couch cover. Both the couch cover and the covers in which you conceal the night pillows should be of the same material. Taupe denim, with a small figure in colors, is an excellent cover for a couch which is to receive hard wear.

IF YOU can use a lighter material, chintz, printed linen, or cretonne is excellent. Color may be introduced in the pillows piled on the couch, and it is best to use some of the same fabric which forms your curtain material, or plain colors which repeat some dominant note in it. The studio of a well-known woman artist in New York has a day-bed covered with heavy black sateen, piped with firecracker red, and at either end is a pile of pillows in black, vivid red, and gold color, the two latter piped with black. As the couch stands against a wall covered with silver and pale gray wallpaper, the effect is striking.

Do not have a couch cover so long that it rests on the floor. Any effect of dustiness or untidiness in a (Continued on page 220)



Table lamps with metal bases are very popular at the present time. (Courtesy, R. H. Macy & Co.)

Light—imaginatively handled

Must combine decoration and utility in the home

JACQUELINE VERNEUIL

“**W**HAT cannot be accomplished with electric light imaginatively handled! You can flood it, spot it, diffuse it; you can make it brilliant, intimate or meditative; you can show it through large rippling sheets of beautiful frosted or etched glass; throw it back through glass or metal mirrors; reflect it from burnished copper, nickel or brass; and you can make it cast fantastic or tranquil shadows.

“Electric light is the most volatile and pervasive, the quickest on the emotions and the most powerful of all expedients the designer of modern rooms controls. Is it not silly that lighting fixtures in the home should seek to do nothing but ape old models—the candles for tallow, the bowls and vases for kerosene, and the vast candelabra whereby our less



A table lamp such as the one above fits in beautifully in a room of Colonial atmosphere. (Courtesy, Lord & Taylor)



The base of this lamp is very colorful and is well adapted to the decorative scheme in this room. (Courtesy, Frederick Loeser & Co.)



The Italian pottery lamp at left with parchment shade is both useful and ornamental on an end table. (Courtesy, Stern Brothers)

Spanish influence is shown in the student lamp below. It has one light, a chimney, and a wrought iron base. (Courtesy, Stern Brothers)



Small lamp at right comes in pewter finish or English brass. It is Colonial in style. (Courtesy of Stern Brothers)



fortunate ancestors managed to get their feeble units of light painfully multiplied into effectiveness?"

Surely Mr. Douglas Haskell, whom I quote above, is justified in pleading for a more imaginative and modern use of electric light in decoration! In spite of the amazing strides we have made in practically every other phase of decoration, many of us have been content with the most mediocre sources of light in our homes. As a nation we spend fortunes in buying the latest electrical

terior decorating house considers modern lighting so necessary to successful decoration that it is adopting this type of lighting wherever possible. In this country it is only in the larger and more luxurious homes that we find lighting fixtures especially designed for the individual house. However, our American manufacturers are now producing fixtures that are not only beautifully designed but in such variety of styles that there is something suitable for every type of house.

A few years ago there was great inter-

labor saving devices yet, with very few exceptions indeed, our lighting fixtures are the least thought of and the least attractive objects in our homes. We allot just as little as possible to them and, even in otherwise perfect rooms, get along with ugly wires crisscrossed around the baseboards rather than spend a little money for more floor plugs or new outlets. Light that draws more attention to itself than any other object in the room, and that can be a source of endless delight when beautifully handled receives but scant attention. Even when we redecorate the walls and put up new hangings, how many of us think of bringing the lighting fixtures up to date, too?

A LEADING architect in Paris believes that lighting is an integral part of the architecture of a room, and should come from the walls, moldings or ceilings themselves in such a way as to throw the shadows where they are architecturally important; while every important in-

The English Cottage chair lamp at left has a wrought iron base and square twelve-inch shade with appliquéd flowers. (Courtesy, Stern Brothers)



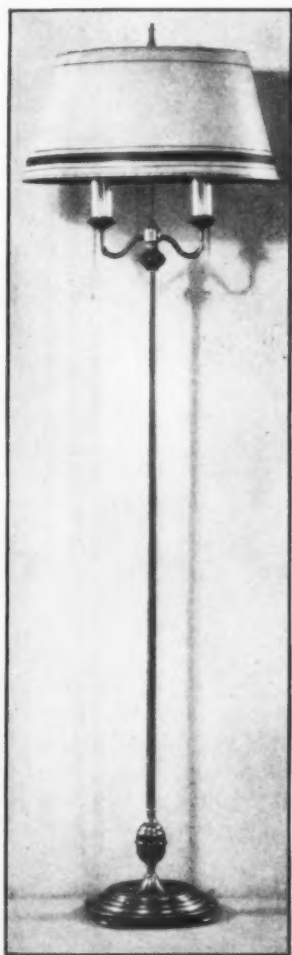
Georgian influence is shown in this junior English floor lamp with brass base and parchment paper shade. (Courtesy, Stern Brothers)





The table and floor lamps in this room are Early American in design. (Courtesy of Lord & Taylor)

For a Colonial interior the lamp below with purple glass and white porcelain base is lovely. (Courtesy of Gimbel Brothers)



est in indirect lighting, but at that time indirect lighting meant only one thing—arranging a row of lamps around the molding and throwing the rays of light toward the ceiling. However, in small rooms or those having low ceilings this type of illumination is very hard and trying, for the light is too close to the eyes. But the attractive new lighting fixtures which partially reflect and partially diffuse the light now make indirect lighting possible. Fixtures of this type are often (Continued on page 228)

Lamp at right has a tole base in green or red with parchment shade in natural color. (Courtesy, Gimbel Brothers)

The floor lamp above with two candle lights and oval parchment paper shade is good looking. (Courtesy, R. H. Macy & Co.)

Table lamps used in pairs on end tables give balance. These are effective against this unusual background. (Courtesy, Lord & Taylor)



The American Home furnishes a house

Part VIII—The sunporch

ELIZABETH H. RUSSELL

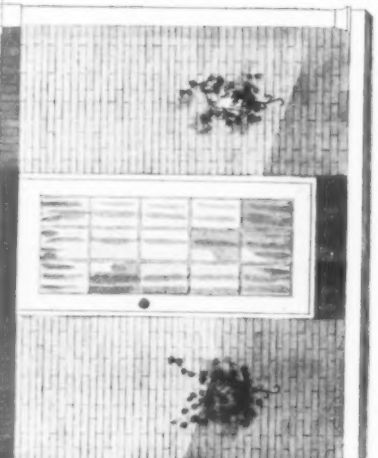
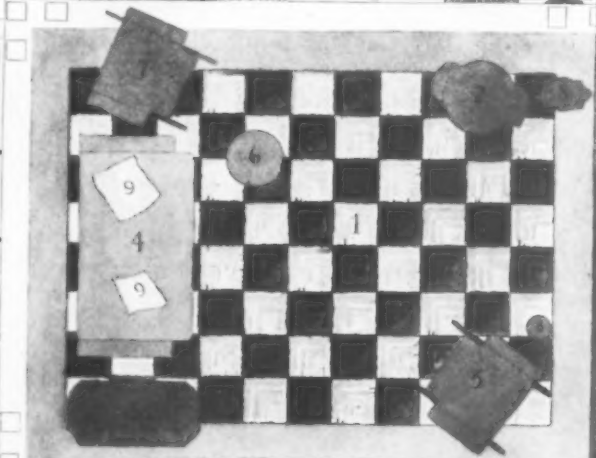
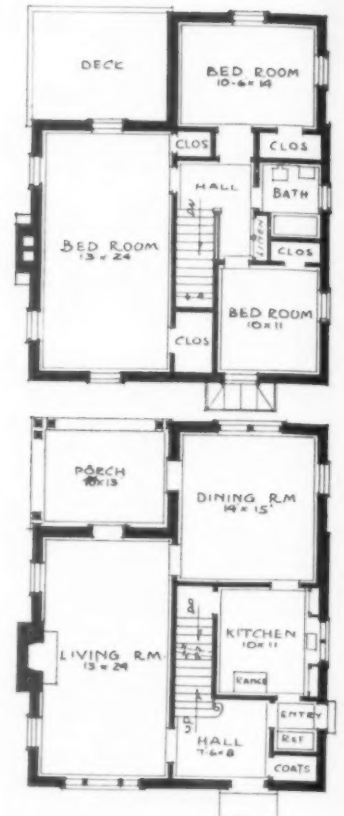
Drawing by Lurelle Guild

WE HAVE finished the furnishing and decorating of our small Queen Anne house inside, and, to close the series, we shall give you a few suggestions for equipping the sunporch which opens onto the enclosed garden in the rear of the house. With spring at hand, we shall begin to use our outdoor rooms more and more, and designers and manufacturers have been busy providing us with lovely new furniture and accessories for both garden and porch.

But first let me tell you that the porch, which is 10 by 13 feet in size, has a floor of Portland cement, marked off while it was wet into nine-inch squares which is an inexpensive and effective

form of decoration. The work is done with a sharp pointed stick, which leaves a little groove in the moist material. If you wish, tiles may also be set in it before it hardens. A small colored tile set at the intersection of the squares is an effective touch.

There is a central light in the ceiling



Full descriptions (including names of shops and samples of curtains and wall-paper), will be sent for three two-cent stamps for each room in this series



KEY FOR PLAN

1. Rice fiber rug; 2. Peacock Oriental chair;
3. Steel and rattan armchair, with red waterproof cushions; 4. Steel and rattan settee, with red waterproof cushions; 5. Table with black Formica top and steel legs; 6. Oriental hourglass tabouret; 7. Steel and rattan armchair; 8. Smoking stands; 9. Cushions covered with Java prints

overhead, controlled by switches at the living room and dining room doors. Floor plugs make it possible to connect bridge or reading lamps, as you need them.

THE porch is screened according to specifications drawn up for us by a screen manufacturer, the stiles being of metal and the wire cloth of bronze. Screening is essential to comfort in enjoying your sunporch, since nimble flying insects can make life intolerable, especially during the twilight and early evening hours when you are most likely to want to sit in peace and enjoy the vista of your garden.

The porch floor is covered with a thick rug of Lunar rice (Continued on page 204)

Colorful awnings suitably chosen

Add individuality and personality to a house

DOROTHY STACEY BROWN

THE principles of style that rule our interiors have found their way outside and to-day awnings may now be as harmonious a part of a well planned house as the roof or the woodwork. Good makes are now so carefully designed as to construction, pattern, color, and fabric that they give an effect of having been included in the architect's plans and built in one piece with the house.

IT MUST be remembered that every awning will not suit every style of house, and to dress a dignified Georgian residence in stripes and colors suited to a bungalow would be in exceedingly poor taste. A house that is restrained and conservative in style must have restrained and conservative awnings. If it is happy and informal and welcoming, its awnings should have brilliant colors, varied stripes, and fluttering valances. They may be chosen to make the house seem nearer or farther away, quiet and retiring, or calling wayfarers to come in. The art of designing them has been carried so far that their choice is like a fascinating game.

When you have classified the style of the house, the next point is the correct type of awning construction for it.



A dignified red brick Georgian residence wears awnings with plain green tops and sides whose wide cream and green stripes are separated by a narrow tan line. (Courtesy, Otis Awning Co.)

Awnings are made to fit windows with either round or square tops, while for casements there is a "humpback" style that allows the window to open outward without rubbing against the awning. There are several general types from which to choose, the awning with or without sides, the type with or without

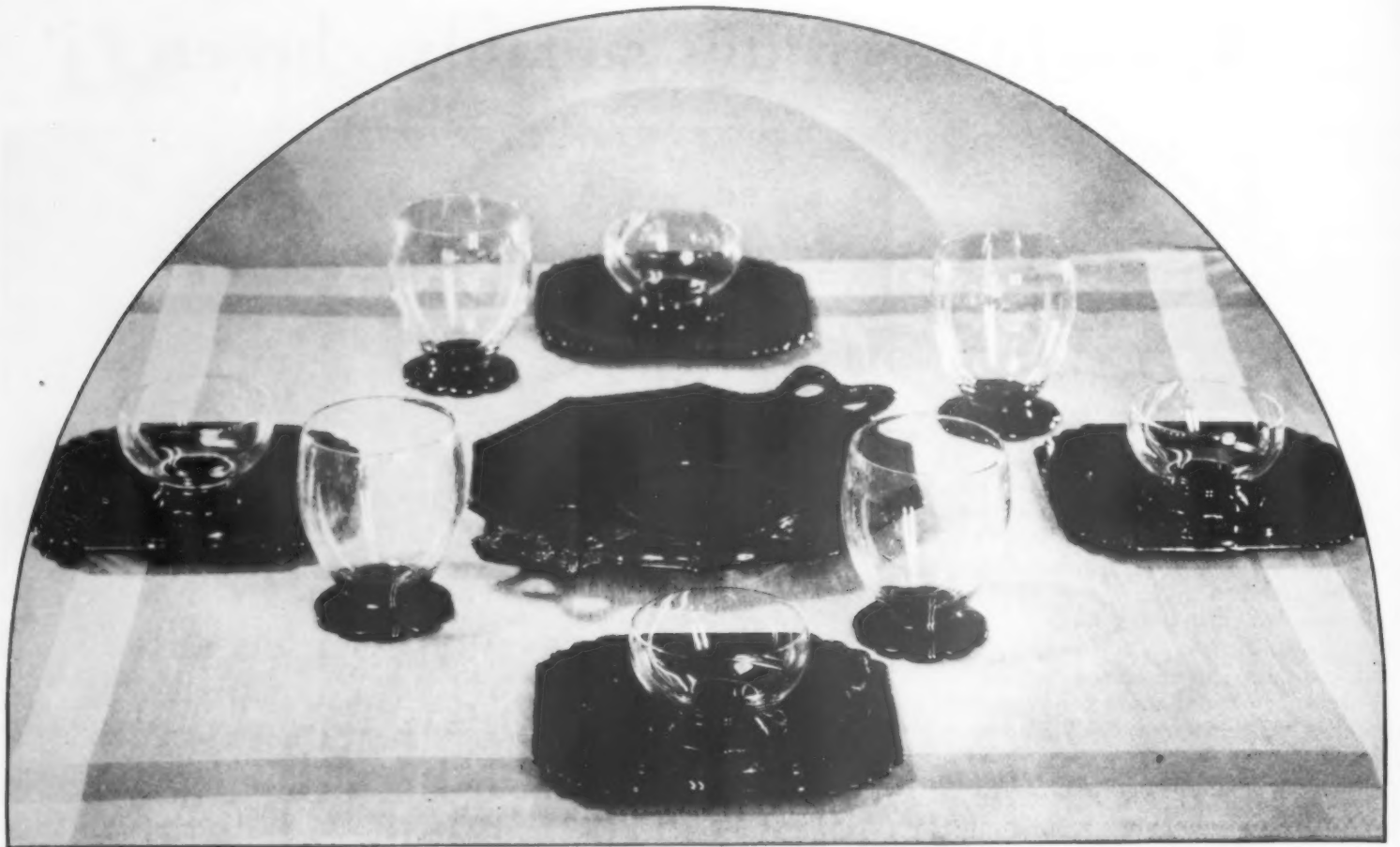
decorative hardware, the roller type which is a combination awning and shade, and still others that are like curtains. When fabric colors contrast sharply with the house, the awning without sides is most suitable. The style with sides, though somewhat bulky, will, of course, give more complete protection. When it is chosen, however, the color must harmonize or contrast pleasantly with the house walls or the awning will appear out of place.

FOR the exotic Spanish or Moorish house or one with rather elaborate detail, the awning whose decorative struts end in battle-axes or spear heads makes a delightful addition. However, this is a detail to be used cautiously and eliminated in case of doubt. The roller awning is a simple and practical type which, once in place, demands no more care than a window blind. In winter it need not be removed but can be rolled up under a hood to stay in place forgotten until returning heat reminds one of its existence.

Valances are cut into so many and varied shapes that this detail must be watched carefully. Some have shallow scallops or follow a dignified, curving line. Others are deeply cut in an elaborate geometrical pattern. (Continued on page 200)



An effect of piquant charm gained by the use of drapes and awnings of a new style made from Italian sailcloth. Home of Mr. F. J. Twails, at Beverly Hills, California. (Courtesy, Swanfeldt Tent and Awning Company)



The combination of crystal and black, the square plates, and wide footed, stemless glasses are smart new notes in this very decorative bridge set. (Courtesy of R. H. Macy & Co.)

The fragile charm of glassware

*Lovely sets come to us in many modern shapes as well
as colors and patterns reviving an old art*

ELISEBETH RUTHERFORD



Etched poppies meander over this graceful set of clear glass. The salad plate, finger bowl and plate, sherbet glass, and three stemmed glasses all match. (Courtesy of Ovington Brothers)

THERE is, perhaps, no medium in which the spirit of to-day is expressed so perfectly as in glass. Modern as it is in spirit, the new glass for the table shows very little influence from those experiments in solid geometry called *art moderne*. More than any other, the old English and Colonial motifs are important in design.

Yet glass is usurping functions that we used to consider sacred to china or metal—being used now for service plates, and finger bowls. Even our beloved china tea cups have their rivals. It is, indeed, a far cry from the early days of the seventeenth century when in the more isolated communities of America people lived and died without ever seeing the substance called glass. We of the twentieth century are at the opposite pole; our windows have increased in size and number until we may almost be said to live in glass houses; many of the loveliest of house ornaments are made from glass by artists numbered among the great

names of to-day. And this season, if we choose, we may eat and drink from vessels of glass whose shapely beauty, color, and workmanship might well put the golden ones of a Belshazzar's feast to the blush.

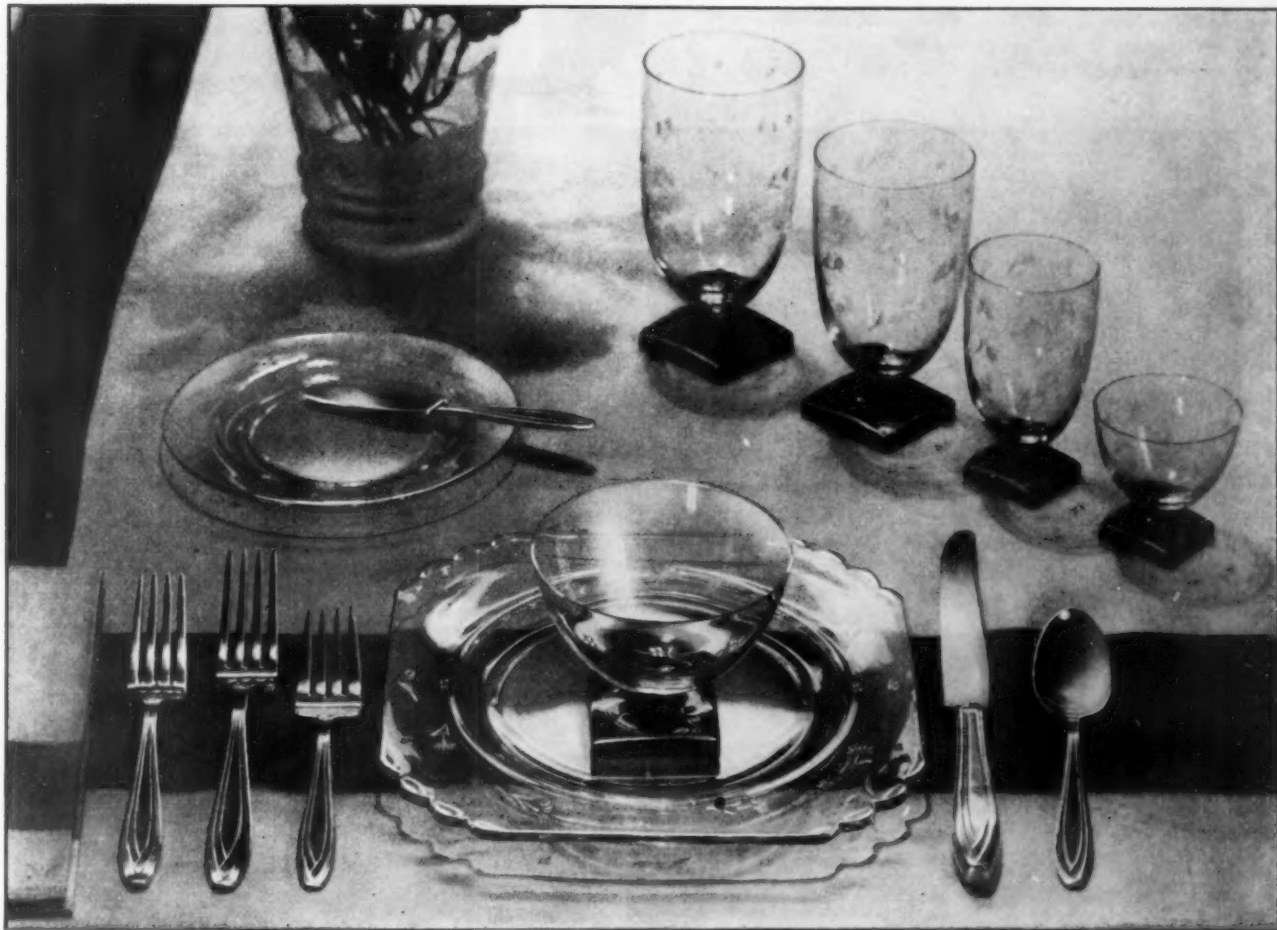
BEST of all, great wealth is not needed to possess this new beauty. If our purses are lean, it is possible to dress our tables in glassware at an extremely low price, each piece costing only the humble quarter of a dollar or even less. On the whole, however, there is more lasting satisfaction in buying the better pieces, even though it means acquiring them (Continued on page 252)

Right: Topaz glassware, a complete dinner service including platters, vegetable dishes, and the soup cups shown, is featured on this Spanish walnut table. Fruit and ivy are the chief decorations, Spanish lace runners and squares, yellow candles and silver completing the picture (Courtesy, Fostoria Glass Co.)



Left: After-dinner coffee by the fireside is served in modern silver with sparkling topaz cups. The nut dish and mint compote match the cups. (Courtesy of Fostoria Glass Co.)

The charm of crystal and black is here developed in "Millefleurs" glass. The sparsely sprinkled cut flowers on the goblets are echoed on the plates. (Courtesy of R. H. Macy & Co.)



China for the very, very young



Should be selected to tempt the wee one's appetite

JANE WARREN

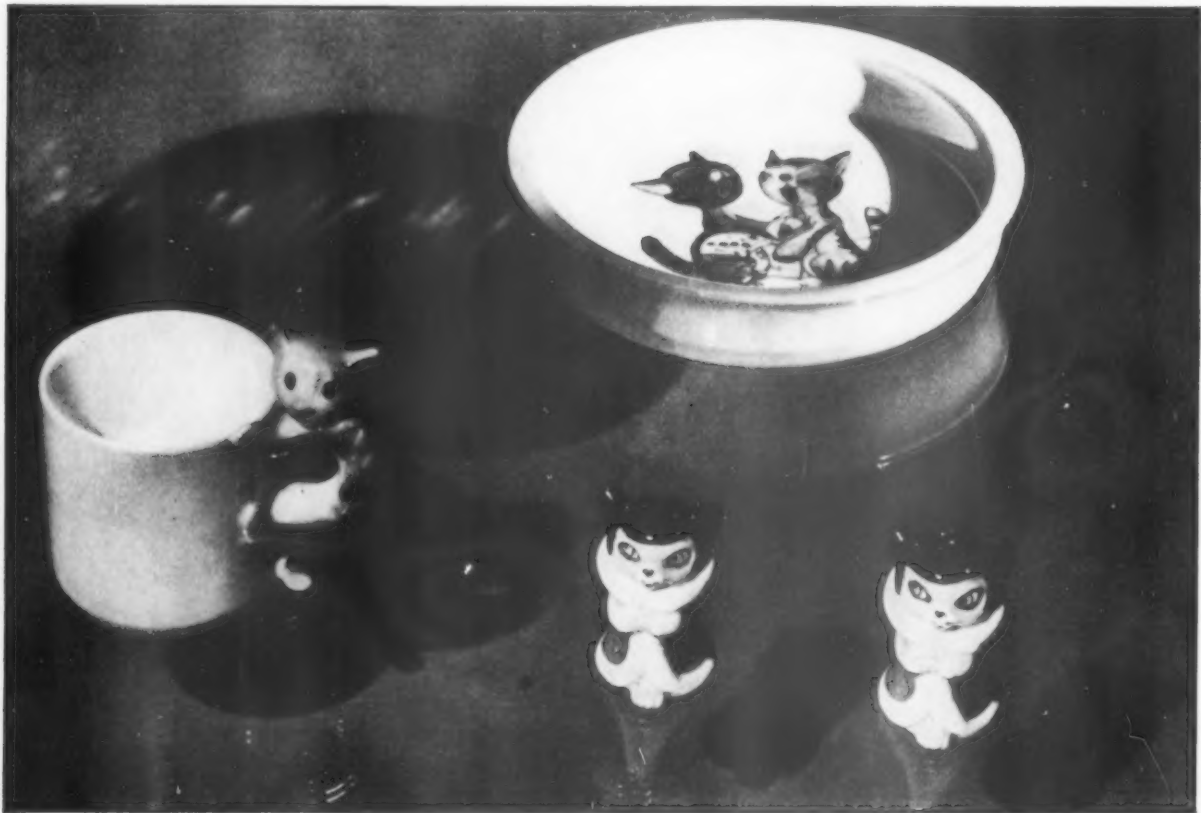
SINCE eating and everything connected with it are so important in a child's life, it behooves the grown-ups who rule the world to make meals just as interesting as they can possibly be. Little people should have little dishes, mugs that are easy to hold, plates with high rims to keep the cereal or spinach from escaping. And, what is more, the decoration of such ware must be chosen with thought for its owner's tastes.

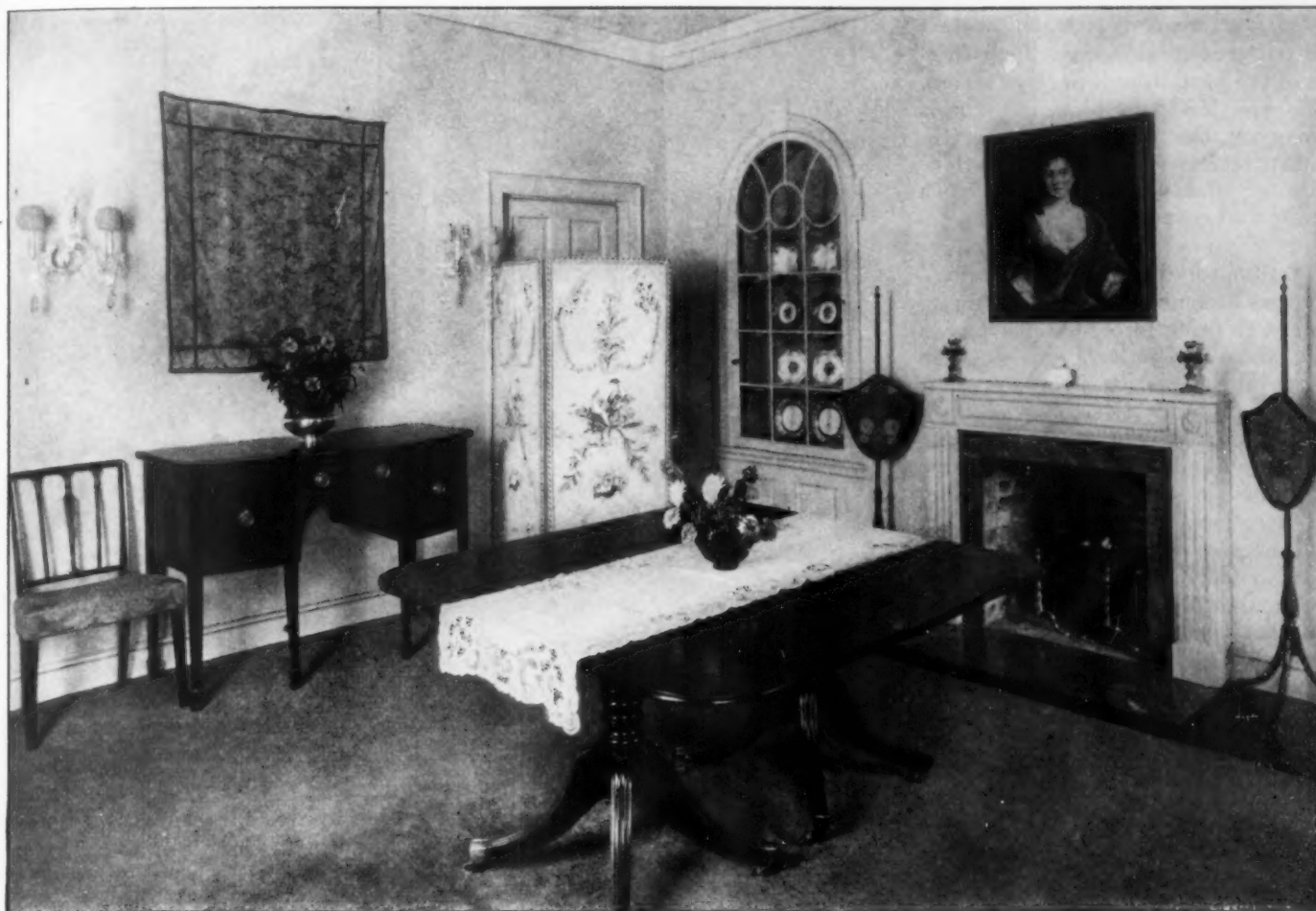
(Continued on page 218)

On this delightful set Uncle Wiggily capers along, paw in wing, with Grandpa Goosey Gander, Baby Bunting, Bob Cat, and Nurse Jane appear too. This set will please any child loving these nursery characters. (Courtesy, James McCreery & Co.)

From Germany comes the new enameled steel ware, extremely durable for children's dishes. The tray has a groove to catch crumbs and spilled milk. The rounded knife and dull pronged fork are of stainless steel. (Courtesy, R. H. Macy & Co.)

For the child who loves cats, there is a mug with a spotted climbing kitten for a handle, a cereal bowl with two kittens and a grasshopper singing on the bottom, and a pair of prim salt and pepper shakers. (Courtesy, Gimbel Brothers)





Over a serving table or buffet in the dining room is an excellent place to hang a rare old piece of silk as an interesting decoration. (Photograph by Mattie Edwards Hewitt; Marion Sims Wyeth, architect)

Filling the great open spaces

*Rugs, wallpapers, and India prints that
bring relief to dull walls*

LEE McCANN

THE wall hangings of mediæval days, things of beauty that they were, had a definite mission in covering up cracks and keeping out the cold. The modern wall panel, while not physically necessary, is nevertheless important in warding off that chilly sensation induced by a room that is cold in feeling and effect, though its heating apparatus may leave nothing to be desired.

Wall panels provide big spots of warm, bright color, which lift and humanize a room that is too set and neutral. They are equally good in pulling together, with a big quiet area of tone, a room where colors are badly used.

Analysis of rooms where the effect is too cold will nearly always show the deficiency to be in the treatment of the walls, or in a lack of treatment. Imagination that is adequate in planning attractive floor coverings, furniture, and cur-

tains seems to run short when it comes to walls. Many decorators suffer from the delusion that they have remedied this when they hang small mirrors and place ornaments at about the level of the eyes, and for the higher reaches depend upon lighting fixtures for points of interest. Such things as these are usually too small to be important in the larger scheme of the room and themselves need some definite background or complement to set them off.

WALL hangings will achieve this, conforming to the spaces for which they are destined, so that the eye is rested and pleased as much by the perfect proportion and balance as by the color and design of the hanging.

The particular kind of wall panels and

draperies to be chosen is, of course, always governed by the kind of room and space to be filled. One presupposes that the walls are in a plain tone, either painted or papered. Once in a while a panel of some solid colored textile is required to tone down a room that is papered in an unquiet pattern, but for the most part it is more variety (not less) that is suggested by the use of wall panels.

Old shawls, such as Paisley or embroidered silk, and old pieces of brocade and damask or chintz are not only delightful in a decorative sense, but like a family portrait convey an implication that one has ancestors. Old things have a subtle feeling about them of tone and texture that seems to lend them a special beauty. It is quite the style now to frame a treasured bit of silk (all that is left perhaps from a radiant gown of a century ago) or a motif from an original toile de

Jouy print. Even rare laces show their choice patterns in this way. Such fragments of the past, appropriately framed, make a new kind of "picture" that is charming on the wall, placed directly against its surface or against a length of brocade or damask that provides a becoming and emphatic background.

"WHEN in doubt, use an India print" has become a maxim with many who want to bring into a simple room a certain amount of pattern and who like the Oriental contrast that these popular low-priced draperies give. Most of them are printed on Manchester cotton and, while colorful and effective, do not have the softness of the old prints. Quite lately there has come into New York a limited number of India prints made entirely in the Orient and having the texture and tone of old prints because they are made by the old process. The natives of India first weave the cotton by hand. Hand weaving gives the cloth a certain body and roughness that closely resemble a lightweight, natural linen. This is printed in old patterns with vegetable dyes. It is then ready to be carried by camel train hundreds of miles to the nearest shipping depot. According to size, they can be found from the smaller squares to the large two and half by three yard sizes for prices that range approximately from sixty cents to fourteen dollars.

Many simple rooms with the quiet, somewhat standardized type of furnishings that people of limited means and conservative taste instinctively assemble



What could be more suitable above this desk than a strip of wallpaper with a map design. (Photograph by Richard Averill Smith; both illustrations on this page courtesy of James McCreery & Co.)

This interesting piece of tapestry in lovely soft colors adds warmth and personality to the room and fills a great expanse of wall space. (Photograph by Mattie Edwards Hewitt)

are improved by an exotic note introduced in an Oriental wall hanging.

Numdah rugs from India can sometimes be purchased for as little as \$11.50. These rugs come from Kashmir and are made of goats' hair and decorated with bright primitive embroidery of the type one sees in India crewel work. They are just as attractive on a wall as on a floor. If one requires special dimensions it is better, however, to buy India crewel work by the yard. It can be bought in a fifty-four-inch width, embroidered on cotton, as were the old pieces, for \$8.50 to \$15.00 a yard, with a wide choice of patterns.

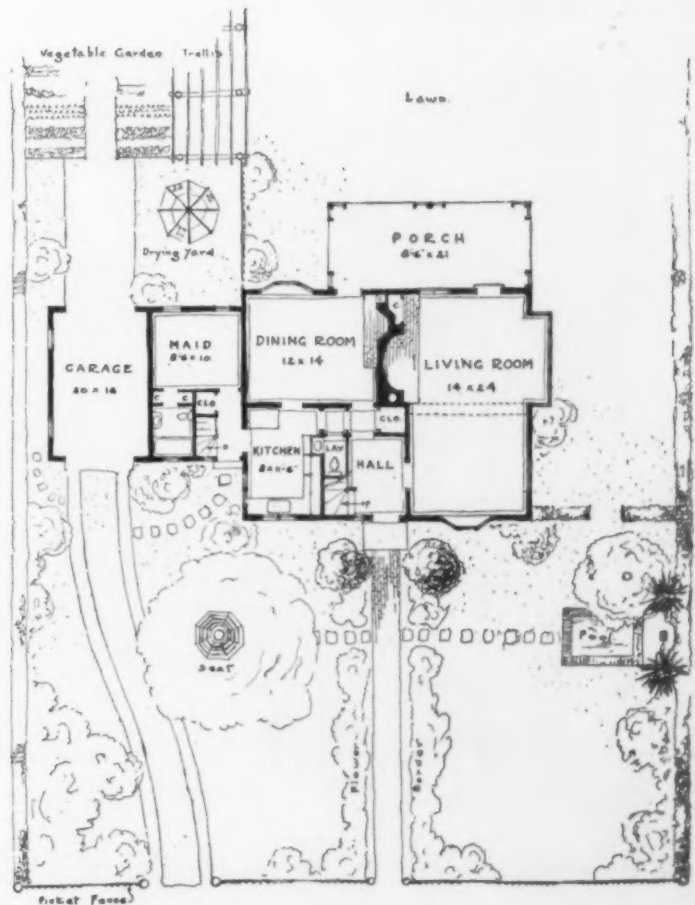
FROM the South Seas come fascinating tapu panels made from woven tree bark. Rich brown, dull red, and black are usually the colors used in these. Tapu panels look particularly well in rooms furnished in oak or walnut. They come in three sizes of which the smallest, seventy by thirty inches, costs only \$10.00. The larger sizes are \$20.00 and \$30.00.

All-over embroidered Chinese portières are quite soft and lovely in their coloring and are in keeping as wall drapes with almost all of the simpler styles of furnishing, looking their best perhaps in rooms where there is something of the Chippendale influence. A limited number of these are now on sale for \$20.00. If you have ever bought any, you will remember that they always sell for about \$45.00 a piece. The ones which come on a white ground are only \$12.50. All are full length. Textiles of rayon or rayon mixed with linen or silk also provide effective wall hangings.





Roger H. Bullard, architect, and Louis C. Jaeger, associate, designed for us this excellent reproduction of a very early Colonial type of house. The architects suggest painting the exterior walls, which are of thin clapboards only 3 inches to the weather, a dark old red, and painting the window sash a cream white. While this color scheme is entirely proper and very effective, a less striking scheme may be substituted. The whole house could be stained a warm weathered brown, with the roof a darker shade of the same color. In this case, the window sash would be a dark red. The cubical contents are given as 26,000 cubic feet, which at 55¢ a cubic foot would make the house cost \$14,300 to build



A HOUSE IN RED AND WHITE

Colonial colors might be used with this house

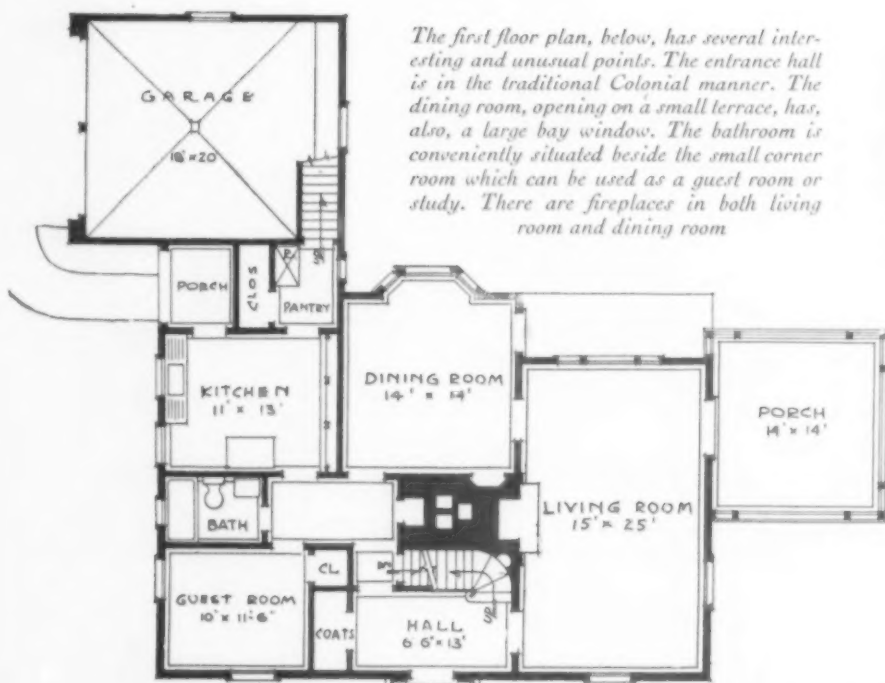
designed for THE AMERICAN HOME

James Renwick Thomson, architect of this attractive New York Colonial house, suggests white-washed, hand-split shingle walls, gray wood trim, and bottle-green blinds for the exterior. The roof should be stained in two harmonizing colors

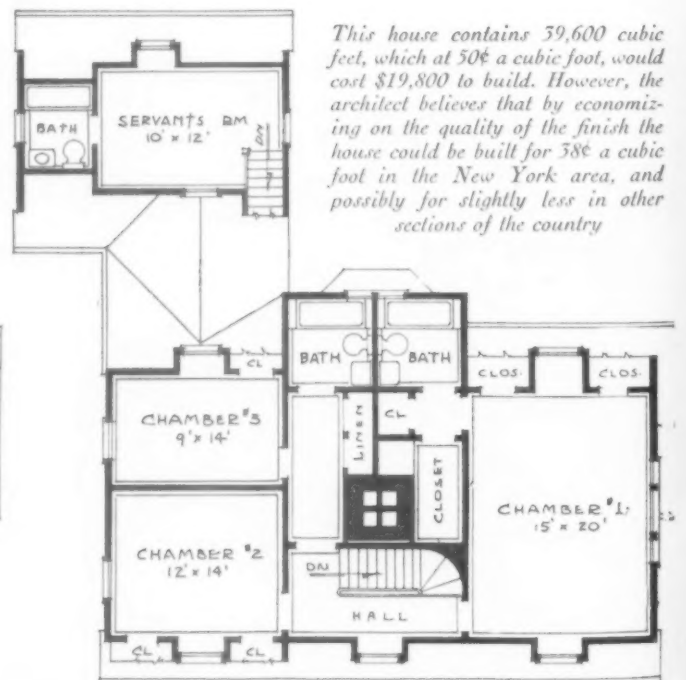


ECONOMY OF PLAN AND CONSTRUCTION

The architect estimates \$15,000 would build this 8-room house with attached garage designed for THE AMERICAN HOME



The first floor plan, below, has several interesting and unusual points. The entrance hall is in the traditional Colonial manner. The dining room, opening on a small terrace, has, also, a large bay window. The bathroom is conveniently situated beside the small corner room which can be used as a guest room or study. There are fireplaces in both living room and dining room



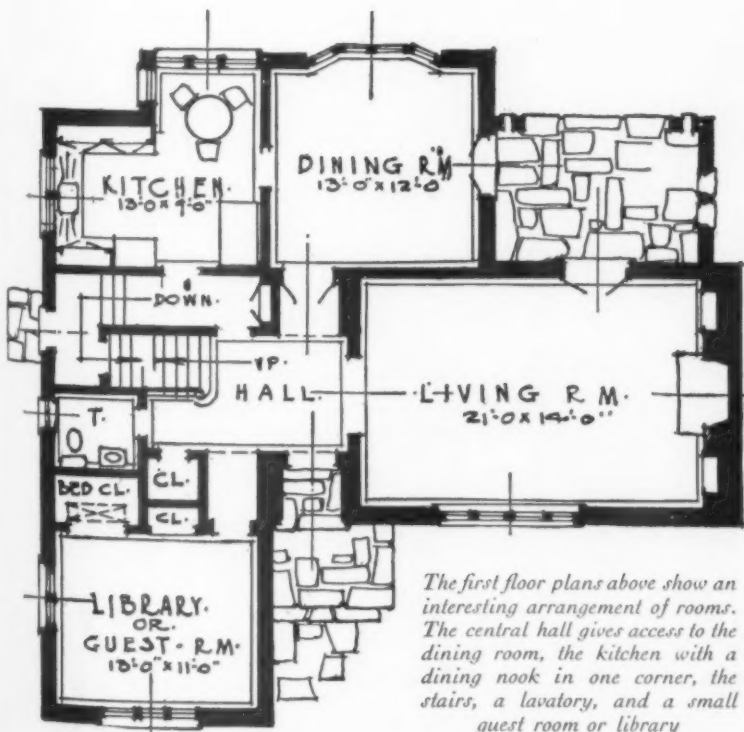
This house contains 39,600 cubic feet, which at 50¢ a cubic foot, would cost \$19,800 to build. However, the architect believes that by economizing on the quality of the finish the house could be built for 38¢ a cubic foot in the New York area, and possibly for slightly less in other sections of the country

A house in the best traditions of the Cotswold style is this one designed for us by Otho McCrackin, an architect of Hutchinson, Kansas. It contains approximately 25,000 cubic feet, which, at 55¢ a cubic foot would make the house cost \$13,750 to build

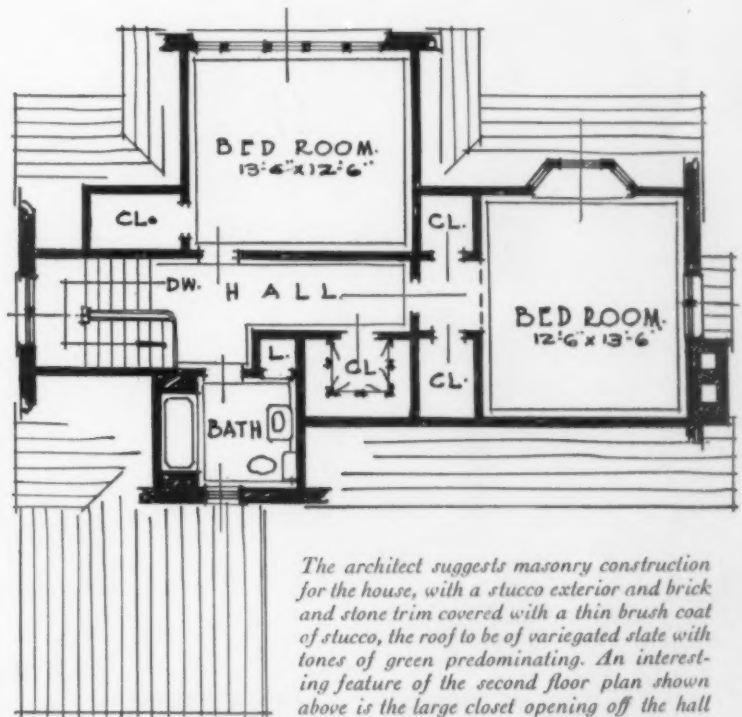


THE SIMPLE BEAUTY OF THE COTSWOLD

A house designed for THE AMERICAN HOME



The first floor plans above show an interesting arrangement of rooms. The central hall gives access to the dining room, the kitchen with a dining nook in one corner, the stairs, a lavatory, and a small guest room or library



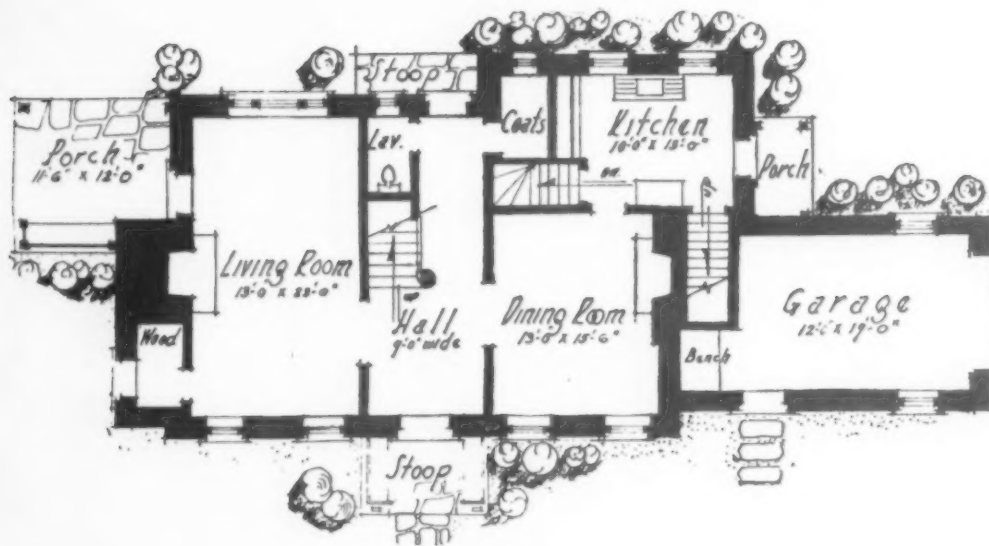
The architect suggests masonry construction for the house, with a stucco exterior and brick and stone trim covered with a thin brush coat of stucco, the roof to be of variegated slate with tones of green predominating. An interesting feature of the second floor plan shown above is the large closet opening off the hall



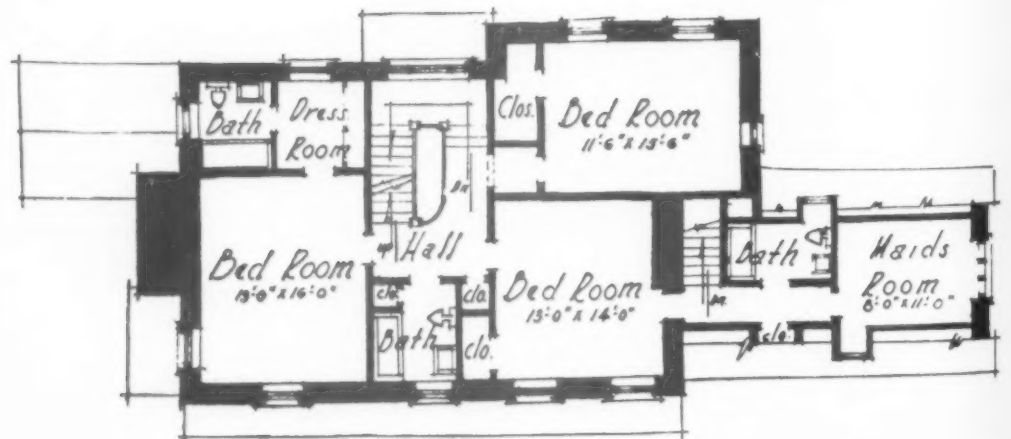
THE PENNSYLVANIA COLONIAL TRADITION

Designed for THE AMERICAN HOME

by CARL A. ZIEGLER



Fieldstone walls and a pent eave over the first story, as described in the article on the facing page and illustrated in the photograph, are customary in the Pennsylvania Colonial house. Mr. Ziegler estimates the cubical contents of this house at 55,000 cubic feet, and at 60¢ a cubic foot, the house would cost \$19,800 to build. The small house at the right in the drawing can be used for garden tools



The first floor plan, above, preserves the arrangement of the traditional plan. The wood closet, with a door leading to the outside, is an interesting feature. The second floor plan, at right, contains three bedrooms, two bathrooms, and a maid's room and bath. The latter is over the garage and is reached by a separate stair. The master's suite includes a comfortably sized dressing room. Each room is well supplied with closets



Photograph by P. B. Wallace

An old Pennsylvania Colonial house used as a model for the modern adaptation shown on the facing page. Certain recent additions made to this house are not suited to the style. The general proportions, however, are typical

Colonial precedents for the American home

*The third in a series of five articles dealing with regional traditions—
this month the Pennsylvania Colonial house*

LURELLE VAN ARSDALE GUILD



Some of the chairs had a carved, shaped back and chamfered legs

THE town house found in the vicinity of Philadelphia was usually rectangular or square in shape and built of brick.

In the rural district brick appears in the more pretentious homes, but most of the country houses were of stone.

Native stone in quantity led to a distinct type of stone house which we may classify easily as Pennsylvania.

Brick and stone are sometimes combined.

On timber houses stone or brick ends are not uncommon. (Continued on page 210)



The ladder-back chairs had heavy ball stretchers and rush seats

At the right is a fireback that depicts the head of Stiegel who made the finest glass of his time. Fireplace implements, also usually of iron, surround it. The pipe tongs, at left were used to pick up coals with which to light pipes



Water benches consisted of a small, flat cupboard with doors and parallel drawers in shelf form above. (Courtesy of L. & J. G. Stickley)

A Chippendale style of chair. Chippendale served as the model for the greater number of Philadelphia cabinetmakers. (Courtesy of Wallace Nutting)



Open and closed dressers were found in every house. They had the characteristic rat-tail hinges as shown on the doors of the dresser at the right

Another type of ladder-back chair with the rush bottom seat and the curving slats so popular in Pennsylvania homes. (Courtesy, L. & J. G. Stickley)

In the provincial furniture one finds painted chests. Emblems, and religious or symbolical designs were used. (Courtesy, L. P. Aardrup)



The costs of building a house

We consider the construction of roofs as well as foundations and terraces

JULIUS GREGORY, A. I. A.

Editor's Note: This is the third in a series of articles by Mr. Julius Gregory in which the effects on architectural character and on costs of construction caused by the use of different building materials are described and commented upon. Mr. Gregory is a well-known architect of New York and he designed for The American Home a house that can be built of stone, stucco, brick, or wood. This we have taken as the model for the series.

IN OUR first article we outlined the specifications of our "model" house and quoted contractors' estimates to prove that, in the neighborhood of New York City, it would cost \$17,000 to build in stucco. This price we took as our standard, and last month we showed how the other materials for walls, brick, wood, and stone, would affect this base price. The tables of price variation previously published are repeated at the end of this article. This month we shall consider other features of the exterior design and construction.

ROOFs are important architectural elements and should be determined by the style of the house. Their selection is a matter to discuss with your architect. It is not necessary that a roof be costly to be attractive, although there is no doubt that a direct ratio between cost and beauty exists. But a good architect can do wonders to make the least expensive roof look attractive.

Wood shingles are particularly suited to houses of Colonial origin, but they may be used on practically any type of house. In some cities, however, the building code forbids the use of wood shingles. Houses of Mediterranean precedent usually have roofs of tile, while other styles, such as English, French, and Norman, use all types of roofs with, perhaps, a preponderance in favor of slate or simulated slate roofs.

There are five general types of roofing materials: shingles, either wood or composition; slate or simulated slate; tiles, either flat or half-round; rolls of com-

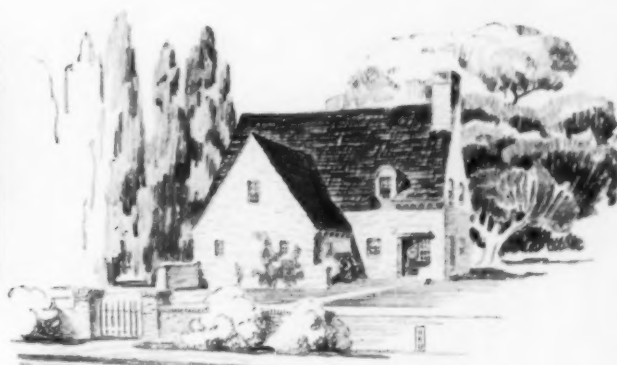
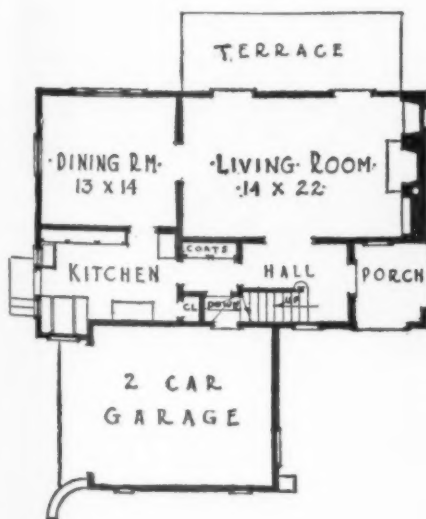
position material which resembles, shingles; and metal, either flat or molded. Wood shingles are usually of red cedar and the best grades are edge grain, cut so that they will not warp or curl. Cypress also is used for shingles, although more for side walls than roofs. Slate, or thin stone quarried from the ground, comes in different qualities and colors. Shingles resembling both slate and wood are made of asbestos mixed with cement and of asphalt covered with a mineral or metal surfacing. Tiles are made of burned shale and of concrete mixed with asbestos. There are other materials and other types of roofing on the market, but those mentioned are probably the most common.

THE type of roofing will be decided on in consultations with your architect. The quality will depend on the owner's pocketbook. Also the architect should decide on the way the roofing material is to be laid. The Perfection 18-in. wood shingles which have been specified for our model house in stucco are generally laid five and one half inches

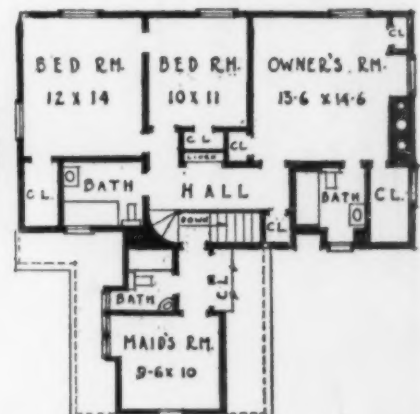
to the weather. This exposure varies with the climate and with the pitch of the roof.

THE roof color is important architecturally and must be selected to harmonize with the wall treatment and with the surroundings. How often as we drive about the countryside do we see roofs as obstreperous as billboards and as noisy as 5-ton trucks! The roof should not obtrude on the architectural composition nor on its natural background. Where the colors are variegated they should blend smoothly and not look blotchy. Furthermore, the roof should not have a hard or flat look such as may come from selecting the wrong colors or laying the material incorrectly. To emphasize the proportions of the walls, one should use a tone contrasting with that of the walls. For example, the beauty of a white house may be greatly enhanced by a roof of black slate. Wood shingle roofs should be stained not only for effect but for durability. It is wise to stain the wood a darker color than desired because the stain tends to bleach out. Roofing nails should be of galvanized iron when shingles are used and copper when slate or tile is used.

The following table shows how much the use of different roofing materials would add to our base price of \$17,000—which is the cost of building our model house in stucco with an 18-in. Perfection shingle roof. The unit of measurement for roofing materials as specified on page 234 is a "square," meaning 100 square feet. (Continued on page 234)



The house designed by Mr. Gregory which is taken as the model for this series of articles. It can be built of brick, stone, wood, or stucco



Our spring fabric fashion parade

Shows an unusual array of textures, colors, and designs and emphasizes the ensemble idea

THERE are fashion showings in the fabric as well as in the dress world. Spring and fall "openings" are followed by fashion reports such as this, telling just what the chic window and the smart chair should be wearing.

We started to limit this fashion forecast to the sprightlier chintzes, cretonnes, and linens which appear every spring, tempting us to a general freshening-up throughout the house, until we found a brand new idea in ensemblizing drapery and upholstery materials too good to be missed. We found, too, a tapestry of unusual design, and a lovely printed rayon satin, so new that it had not even been christened. These are all "personality" fabrics which may lift a chair or a wall or a whole room out of the commonplace.

Let us start with this new idea. The ensemble of hand-blocked and plain linen for upholstery, rayon rep for draperies,

LOUISE BONNEY

and sheer rayon taffeta, hand-blocked, for glass curtains was designed by Donald Deskey and used in the photograph on the opposite page. The glass curtain material is a new weave, sheer enough

to let in all the light in the world. Can you see that the design in these glass curtains is the same as in the upholstery? The ensemblizing has gone still further, tying up the eggplant of the linen with the same shade in the rep, and a pinky-mauve in the glass curtains—subtle harmony which spells repose and charm with no effort at all!

Suppose you should see in your favorite store the blocked linen

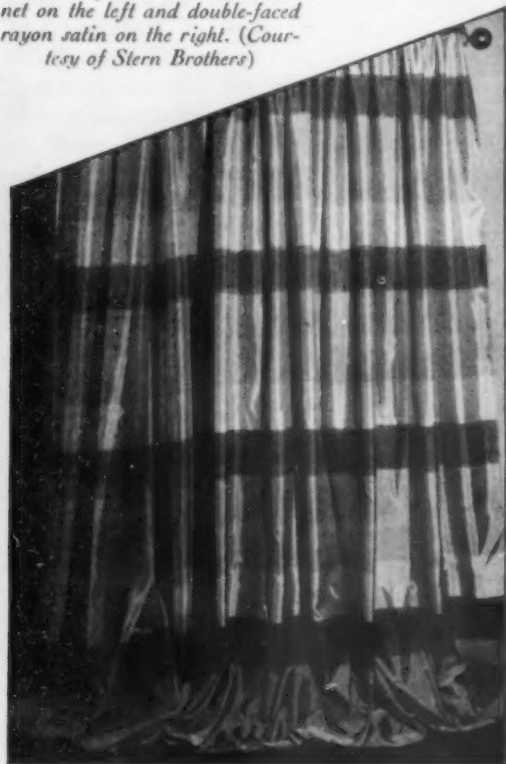
There is always a stripe in a fabric fashion show. The one below is in linen by Robert McBratney Co.



A Waverly print inclined toward geometry is used on this metal chair. (Courtesy, Stern Brothers)

The striped fabric in the center is rayon Shiki—rayon warp, cotton filling. (Courtesy, Lord & Taylor)

Below is an ensemble of rayon net on the left and double-faced rayon satin on the right. (Courtesy of Stern Brothers)

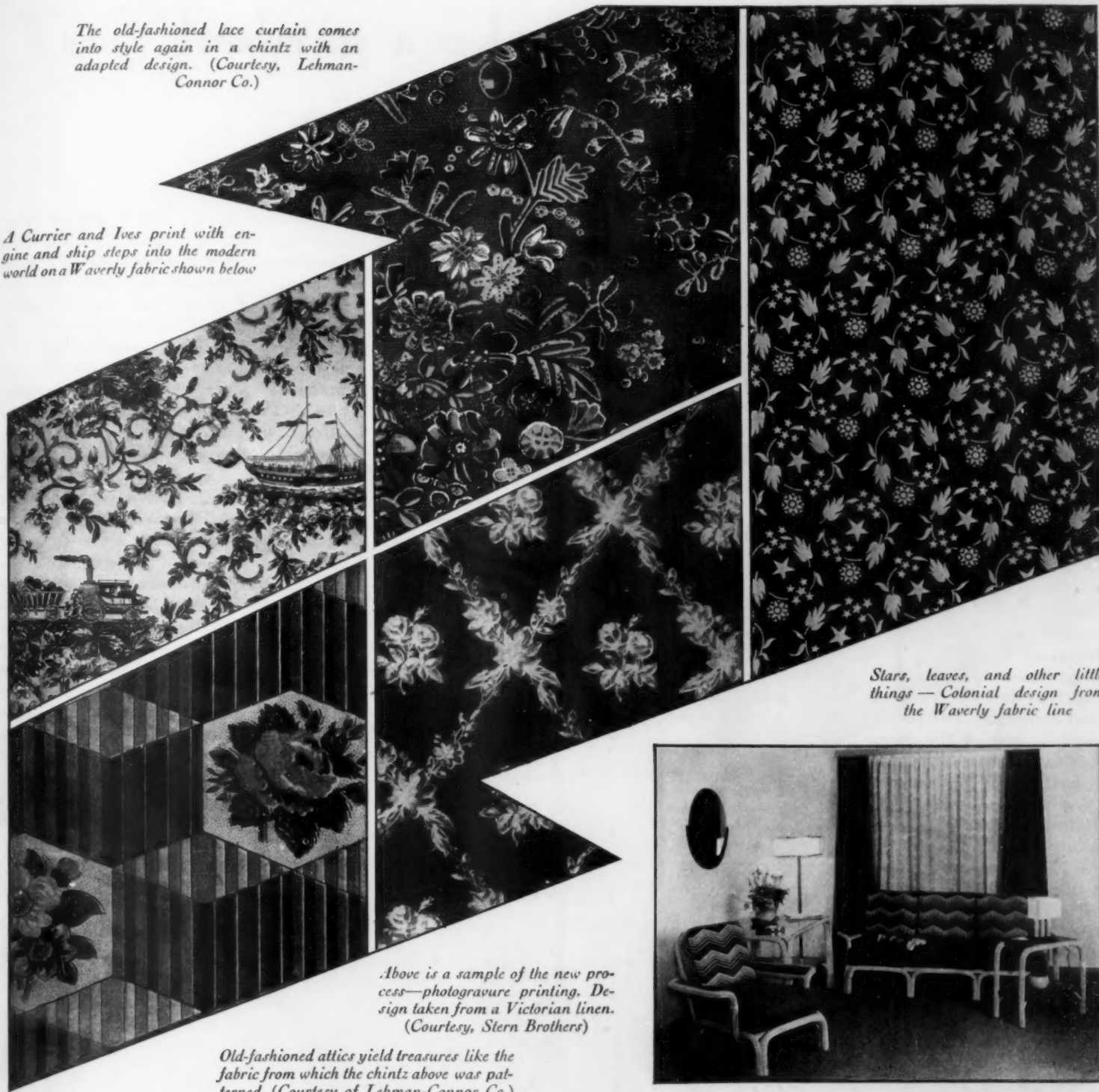


Above is a new Waverly fabric of the Vally Wieselthier variety with tempting fruits. It is cool looking for summer time

Diana and her agile playmates, designed by Tom Lamb, and printed on rayon satin, represents a new technique. (Courtesy, Dupont-Rayon Co.)

The old-fashioned lace curtain comes into style again in a chintz with an adapted design. (Courtesy, Lehman-Connor Co.)

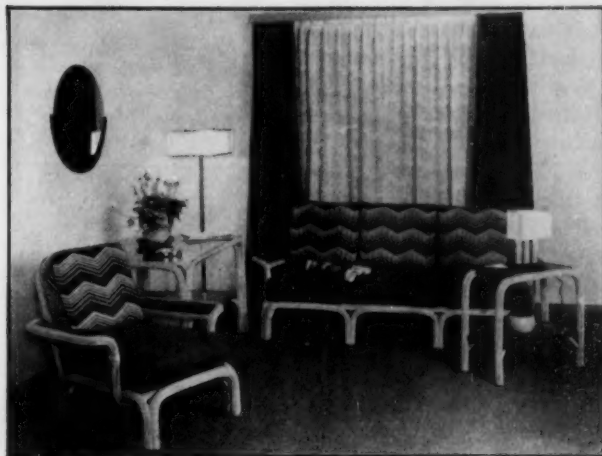
A Carrier and Ives print with engine and ship steps into the modern world on a Waverly fabric shown below



Stars, leaves, and other little things — Colonial design from the Waverly fabric line

Above is a sample of the new process—photogravure printing. Design taken from a Victorian linen. (Courtesy, Stern Brothers)

Old-fashioned attics yield treasures like the fabric from which the chintz above was patterned. (Courtesy of Lehman-Connor Co.)



The latest idea in ensembles. Fabrics designed by Donald Desky. (Courtesy of Lehman-Connor Co. and Ypsilanti Reed Furniture Co.)

illustrated, and should decide it was just what you needed for upholstery in your informal, much-used living room. In eggplant with the design in oyster white it would seem an acceptable choice for a room which must please everyone. Having selected the upholstery, then would come the major problem of finding draperies and glass curtains to harmonize—not at all a simple job, I need not tell you that!

TO MATCH the plum color and to find a harmonious foil for glass curtains, might take you hours and leave you defeated in the end! But in this combination the artist and the manufacturer have done all your matching

and all your worrying for you. It is the first time in American fabric history, as far as I know, that such a complete job of ensemblizing has been done. With the hand-blocked linen they have planned a heavy rayon rep for the draperies in the same color. The foundation of a successful room is thus obtainable with little effort. If you do not like the eggplant and want to be a little more daring, you can try a vibrant green or a warmer rust-orange combination.

We have been afraid of color in our homes. No doubt of that. But goaded by the decorators and the magazines, we have also splashed around too violently in it. The vivid cretonnes of a few seasons ago were an example of our

laudable, but hardly livable, attempt to break away from neutral and safe colors. So this effort of the artist, the manufacturer, and often the stylist of the store to help us out by ensemblizing may save us the agony of indecision.

ANOTHER interesting example is the ensemble of rayon satin draperies and rayon net glass curtains stylized by one of our leading stores. The colors of the draperies are repeated in the net, and the color harmony is agreeable and calculated to (Continued on page 224)

Still time to make a garden!

*Even in hot dry places ambitious Annuals
answer the season's summons*

ALFRED PUTZ

THE pleasant days of May make garden work a real pleasure and nature usually sees to it that warmth and moisture are just right to make seeds sprout and grow so that there may be flowers in plenty throughout summer and fall.

All Hardy Annuals, often sown in early April, may still be started in early May; and, as though they knew that they were late in starting, many of these plants grow with astonishing activity and, before late summer, catch up with those that were sown earlier. If you live in a region where the summer weather is likely to be quite hot and dry, however, some care must needs be given to the selection of what to grow.

Petunias, of course! In beds or borders massed together, the free and continuous blooming Hybrid and Balcony (single, large-flowering) types will make a showing that few other Annuals can equal, and none excel. Petunia Rose of Heaven, pink, is one of the showiest while for a richer color Balcony Rose is very good, Balcony Blue and Balcony White rank with

those in size of flower and quantity of bloom. This Balcony type of Petunia is all too little used for beds and borders, and is unusually good when grown in porch and window boxes where the pendant, flower laden branches will gracefully drape the sides and front of the window box, covering it entirely.

The Tickseed (*Coreopsis tinctoria*), golden yellow with dark mahogany-brown blotches borne continuously for many weeks, is both a responsive border plant and also good for cut flowers. But the Cape Forget-me-not (*Anchusa capensis*) and a new variety of this showy Annual named Blue Bird having indigo blue flowers are highly desirable for sandy warm soil.

IS THERE indeed any Annual that will thrive and bloom, even during prolonged periods of drought, like the Large-flowered Pimpernel (*Anagallis*)? Its dainty five-petaled flowers come in pastel shades of blue, lilac, scarlet, and crimson.

*A lovely late spring garden
with all the favorite blooms
at their best. (Photograph
by Mattie Edwards Hewitt)*

There are many others just as valuable that must be given a thought: Blue Cornflower (*Centaurea cyanus*), Cosmidium, Cosmos, Chinese Forget-me-not (*Cynoglossum*); and sweet-scented Four O'Clock (*Mirabilis jalapa*) will add a gay note of abundant beauty to any garden. And then there are such old timers as Annual Larkspurs in shades of blue and rose and also white; Love-in-a-Mist (*Nigella*) with its blue flower nestled away in a mist of greenery; Nasturtiums, Drummond Phlox, Portulaca, Sanvitalia, Scabiosa, Sunflowers (large and small)—what glorious colors all or any of these will bring into the garden!

The Tender Annuals that usually are sown in May about the time the Maple leaves are unfolding include such gems as Blue-eyed African Daisy (*Arctotis grandis*) and Celosia in both its tall form known as the Magnifica type, and its compact Cockscomb form (*Celosia cristata nana*); Chinese Woolflower (*Celosia Childsi*) of intermediate growth is one of the best known of them all.

For garden houses, porches, and trellises, there are (Continued on page 238)



Yes! You can grow prize Dahlias

It's just the will to watch and tend—the plants are willing to grow

SAMUEL NEWSOM

GROWING Dahlias is no matter of mystery, although one who has just caught the Dahlia fever may think that the monster blooms seen at some show last fall, or even in some neighbor's garden, were the result of some mysterious secret of cultivation on the part of the grower.

First of all, consider the location. Dahlias must have sunshine, but in some localities many delicate varieties are likely to be injured if they are exposed to the burning sun throughout the entire day. In such cases place the dahlia bed so as to receive all the morning sun and be shaded, partially or wholly, from three o'clock in the afternoon. This matter of too much sunshine is not a problem in the majority of sections of the country and a sunny, well drained situation is, therefore, generally best for the Dahlia. By the same token, the matter of strong winds has to be taken into consideration (this is

Right: Penn Charter (Lyn-dora), Decorative. Golden Yellow, a Pennsylvanian novelty



Above: Eagle Rock Wonder (Broomall-Success), Hybrid Cactus. Orange and orange-buff, of California origin



Arthur M. Hyde (Mas-tick), Decorative, Orchid-pink with burgundy reverse. From Oregon

trash which later would interfere with cultivation and growth. At the first spading, a liberal coat of well-rotted horse or sheep manure can be used; or a good commercial fertilizer, in about the same proportions and quantity as used for a potato patch.

Stakes should be set out before putting in the plant or tuber in rows about three feet apart. Many a Dahlia experiment has ended disastrously in early September because the plants were not properly staked.

MY PREFERENCE is for stakes from two to five feet tall, depending upon the height which the variety attains. Those three feet high are the most successful for my use; the tall stakes were in the way of many of the blooms which switched against them. A three-foot stake allows the bush to be braced thoroughly at the main stalk, the blooms growing above the stakes and hiding them completely.

The time for planting varies; three or four weeks before the last spring frost is a general rule—I am speaking of planting tubers, of course, as green plants must not be put out until after all danger of frost is gone. In California, Dahlias may be planted from the end of February right up to June, while along the Atlantic seaboard, the planting time is usually from the first of May (Continued on page 282)

the case in California, for example) and it is likely that the same trees that will furnish partial shelter against late afternoon sun, will also serve as a windbreak.

In preparing the soil of the dahlia bed, spade as deeply as possible. This should be done at least twice before planting, to produce a well pulverized loam. After each spading, rake the surface and break up all clods; removing stones and

Chrysanthemums in the open garden

Relative hardiness of different types according to climate and season

CHARLES H. TOTTY

IF YOU now have growing in your garden Chrysanthemum plants that flowered last fall, there is no need to hurry working about them when spring comes. I have proof that 90 per cent of the losses in Chrysanthemums come from premature uncovering, usually during the month of March, before the cold weather has entirely gone. Very often, gardeners are deceived by a few warm days in the early part of that month, and the plants begin to show signs of life. Perhaps you were lucky this year and did not get things all cleaned up too early. As a matter of fact, this same rule applies to hundreds of other Perennials, that come through the winter unscathed, but to suffer and die in the first few days of early spring. However, if you have the plants now growing, pinch out the tips of the shoots two or three times in order to induce the plants

to make a dwarf and robust growth, rather than one tall straggly stem. If your bed is protected on the north

and west, the plants will be so much better.

Even if the first frost of fall does catch the few open flowers in the early part of the season, it will not hurt the unopened buds, and you can pick off the injured flowers from the plants, after which you will have quantities of perfect blooms for several weeks. Where your plants are set out in clumps in a mixed border of hardy Perennials, they can be protected from the first frosts by covering with a sheet or plant cloth.

Hardiness is relative, anyway, and when you think in terms of hardy Chrysanthemums, the exact type concerned depends very largely on where you live. Broadly, the term "hardy" means a plant that will bloom outdoors with practically no protection and persist outdoors through the winter and in succeeding (Continued on page 274)



The Anemone type having tubular central florets of the same color as the outer rays is a welcome variation. Mrs. Ballagh (above)

The Early Large-flowering type offers the gardener a great range of color and the blooms are most useful for cutting (below)





Peruvian Daffodil is an amaryllis-like plant with white fragrant flowers in June and July. Its proper name is Ismene Calathina

Summer bloom from spring set bulbs

Unusual, but spectacular flowers to adorn even the northern garden if planted now

JESSIE F. GOULD

WHEN summer blooming bulbs are mentioned, most of us think at once of the Gladiolus, Lily, Tuberous Begonia, and Dahlia. And indeed these are all most beautiful and we would not be without them, filling with beauty, as they do, certain gaps in our borders where earlier flowers have bloomed and faded. But there are a number of others that can also be grown even in northern gardens, that will add color, variety, and interest to the border, and which are no more tender or troublesome than those with which we are more familiar.

The Summer-blooming Hyacinth (*Galtonia* or *Hyacinthus candicans*) is a

most distinct addition to any border with its four-foot spikes of waxy-white bell-like flowers blooming throughout the summer. This is one of our plant immigrants coming to us from Southern Africa, and in the northern garden should be lifted in late autumn after the foliage has ripened, and then stored in a cool, dry cellar through the winter, just as Gladiolus are treated. Clumps of these can be planted among the Perennials, as their white blossoms will not clash in color with those of any other plants. Where it is difficult to winter Foxgloves (as is the case here in Minnesota) these

summer Hyacinths will be most useful when a tall, spirelike effect is needed.

IT BEARS quantities of seed which germinate readily, and if sown in early spring in a flat box with a woven wire bottom (for good drainage), and set on the ground through the summer, little bulbs about the size of peas will be formed by fall. Before the ground freezes the whole box can be put into the root cellar where the bulbs will remain dormant through the winter. The following spring they should be planted out in a well prepared bed, fertilized with bone meal, giving each little bulblet a space of two inches, with (Continued on page 270)



May-flowering Tulips have longer stalks than the Early and a greater variety of color shadings. Arethusa and Rosabella seen in the foreground

Tip-toeing through the Tulips

*While they are in bloom make your choice of kinds
to have at planting time*

C. J. VAN BOURGONDIEN

COLOR is, of course, the outstanding point of attraction in the Tulip—bright, gay, diversified color. Couple this with the practical assurance of bloom wherever the gardener chooses, and you have the reasons why the Tulip is the favorite of the spring garden. No other flower is so welcome, in our desire for gaiety after the long, dreary winter. Tulips give the climactic burst of warm color to the crescendo that started with the cool white Snowdrops, the yellow Aconite, the blue Squill, the golden and silver tinted Daffodils.

Nearly all Tulips succeed wherever any Tulip can be grown at all—and that is practically everywhere except in the real South. There are some few varieties that succeed well enough in Holland, although they have not been introduced successfully in America, but the general

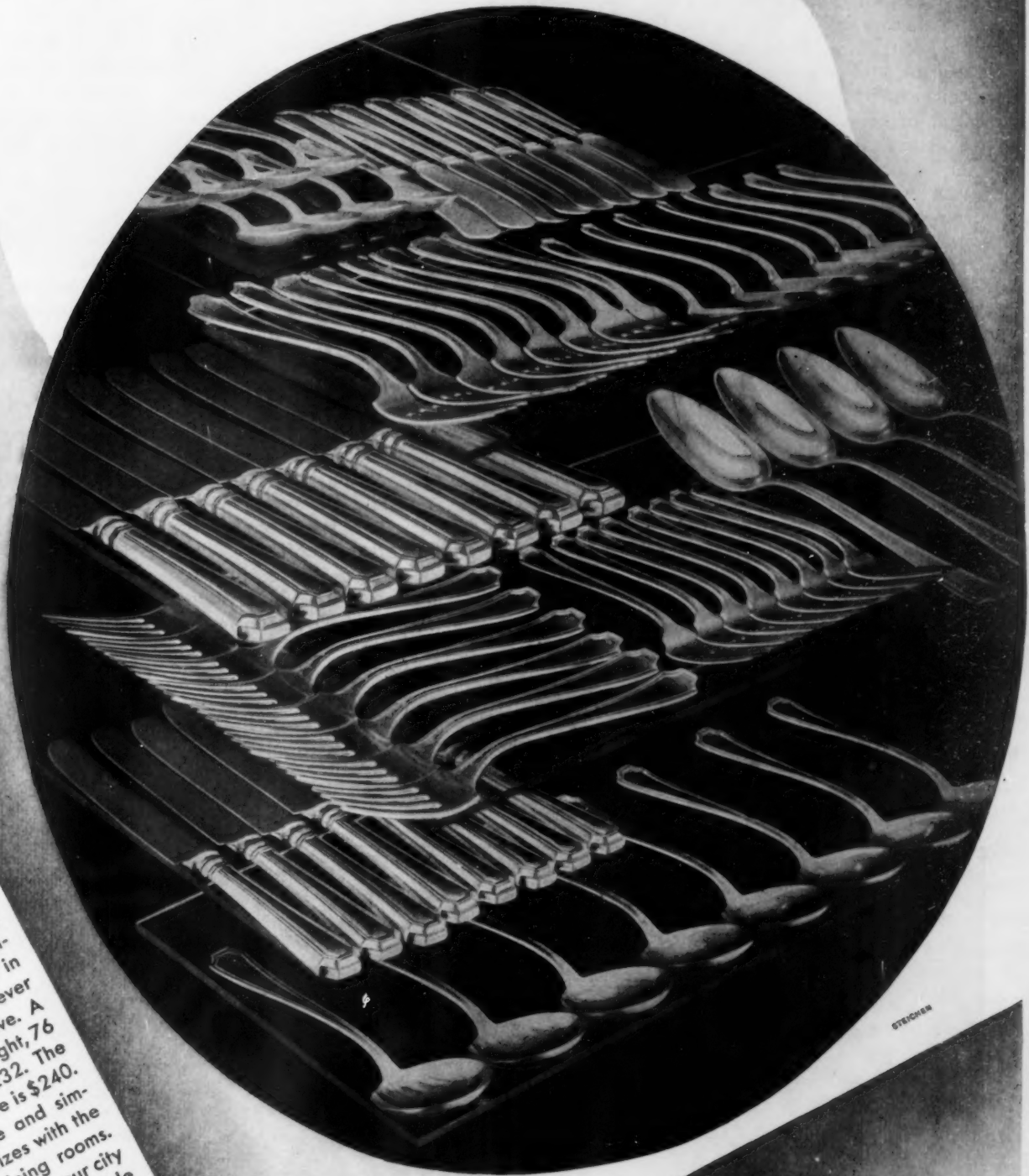
list of varieties included in the catalogues of the American dealers are successful from one end of the country to the other, and, after all, the vagaries of certain varieties that are lovely in Holland and will not succeed in this country constitute a scientific and, in a certain sense, trivial matter, when there is such a wide variation of type and color with which we can succeed.

THE way to make a success of a tulip garden is to gather together the spring bulb catalogues, and take them to a neighbor's garden, where there are Tulips in bloom; or go to some of the public parks where exhibition collections are planted; and there check up on the colors of individual varieties

seen in mass and make your own study in color combinations, deciding for yourself from the objects right before your eyes just what color schemes you want to carry out next year.

VERY likely you will see in one corner of such a garden a display of color, hemmed in by flowering shrubs, a rainbow to brighten the entire garden stretch. Last year we saw one particularly attractive planting—the rose-colored Hammer Hales, one of the popular Cottage varieties, alongside another beautiful Cottage variety Avis Kennicott, clear light orange with black base; then came Blue Celeste, double Darwin, one of the finest of the blue tints; next the brilliant carmine red Pride of Haarlem (Darwin); and then a tone richer, Faust, (Continued on page 258)

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Summer season vegetables to carry on

Particular varieties of special quality that fit home garden needs

ADOLPH KRUEH

IT IS the late varieties of vegetables after all that surpass in that most essential quality in anything you want to eat—flavor. This means the late type—you know, early, midseason, and late—not late sowings of early types. Late maturity with comparatively long season of growth and real flavor seem to be correlated.

To be sure, some of the midseason varieties are of as high quality as the later sorts: Stringless Green Podded Bean, Golden Bantam Sweet-corn, Thomas Laxton Pea, etc. But generally the finest qualities are stored in the late maturing kinds, though I have to qualify the term "late." For example, let us take Radishes. Here we find early, midseason, and late kinds in early and late classes. The late class consists of the Chinese and Spanish types—not sown until July for fall and winter use. The same holds true of Turnips, Carrots, and other familiar root crops.

SINCE we are on the subject of Radishes, the tidbits of the garden, there is one variety among the scores available that beats all of them for quality. The Chartier or Shepherd Radish is what I call a "good sport." When all the "extra early" and "midseason early" disappoint the gardener by becoming pithy, Chartier saves the day and gives crisp, solid, well-flavored bulbs for the best part of three weeks during late July and

early August when really good radishes are rarely found on the market bench.

You ask why? The market gardener raises a crop that quickly grows into money. When Radishes produce edible roots in three weeks from sowing and sell at five cents for a bunch of six small radishes, it pays. When it takes four weeks to produce roots five times the size of the early kinds and he only gets ten cents for a bunch of six of them, it does not pay. That is the real reason why Chartier Radishes are not found on the market bench. Yet it is the one Radish *you* should grow for a midsummer supply in your own garden; and to have at its best sow seeds during late June for a late July supply, and throughout July for August use. It takes just about thirty days for Chartiers to grow to normal size, an inch in diameter and five inches long. And the more rapidly summer heat makes them grow, the crisper you will find the roots.

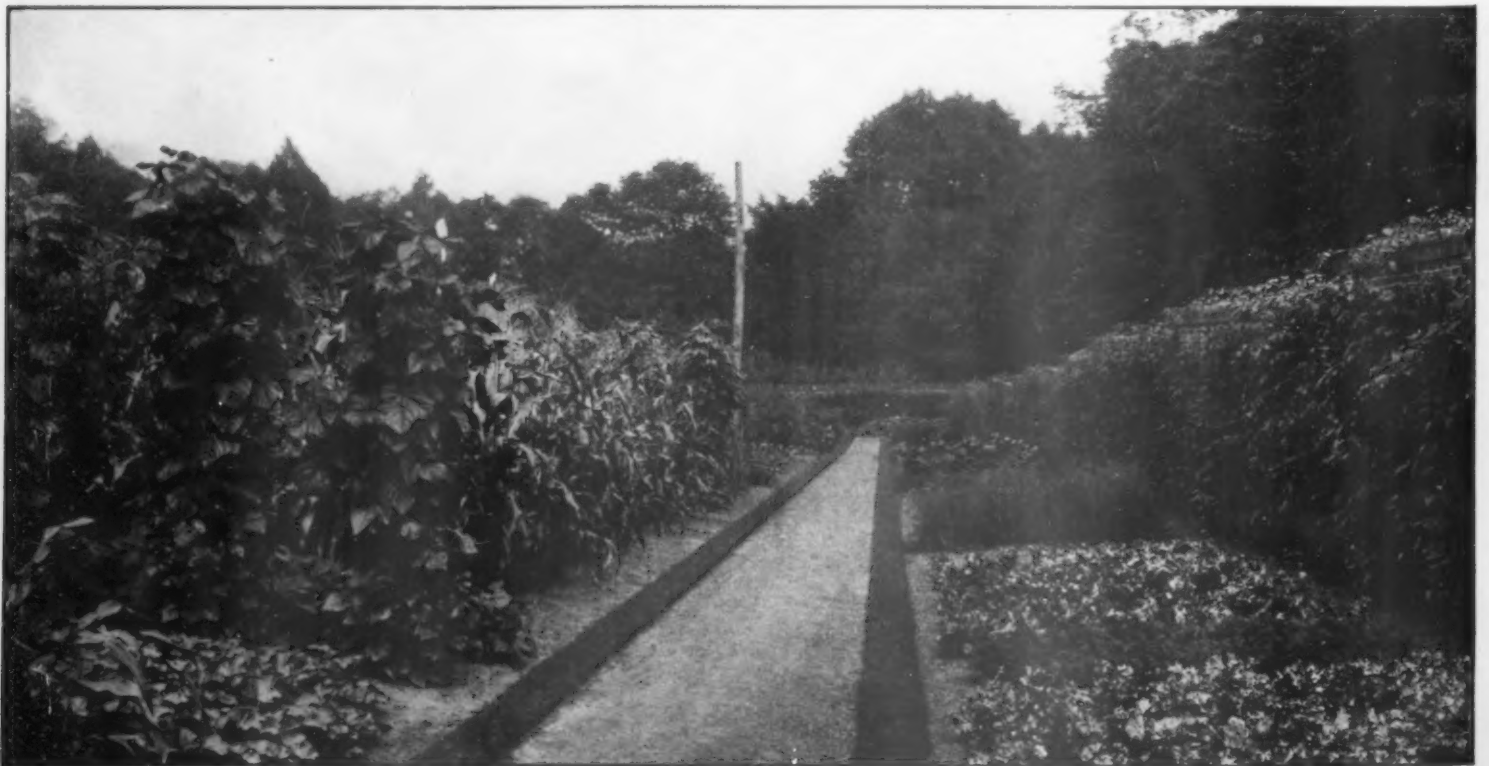
White Icicle, among the early long, pure white Radishes, has been called "absolutely insipid" by various friends of mine. But try Long White Vienna or Lady Finger, the midsummer type of Icicle. Long White Vienna is another Radish that gives the home gardener his money's worth within forty days after

seeds are sown, and the roots remain solid in spite of dry or hot spells.

To turn from a rather unimportant vegetable to one of outstanding merit and usefulness, take Lettuce—the most popular of all salad plants, full of vitamins, too! It also contains opiates in mild form, and as a result the eating of a head of a Butterhead variety may prove conducive to a good night's rest to people inclined to suffer from some kinds of insomnia. Please note that I emphasize Butterhead, for among several hundred varieties of Lettuce listed in seedsmen's catalogs, only about one fourth belong in that class. And in that class only two deserve mention as serving the gardener during the late summer season, when the rest simply will not "perform." California Cream Butter and All Seasons are the "star performers" for the home gardener who wants perfect Lettuce from the middle of July until early August, from seeds sown during the latter part of April.

THE subject of Beans recalls to my memory the days when I was the most ardent champion of the Dwarf or Bush type. I still believe in them as the ideal kinds to grow in gardens of limited space. But in all fairness to the tall-growing or Pole Beans, I must confess that none of (Continued on page 280)

Real splendid quality and full rich flavor in vegetables are the opportunity of the home garden, things the market supplies lack





On the Sun-Porch *Celotex* maintains an enjoyable temperature all year 'round and blends attractively with colorful furnishings.

In the Attic *Celotex* makes you a pleasant extra room, guarded from severe weather—and handsome in a natural buff color.



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Ask your contractor, builder or architect for further information on *Celotex*—and write us for our interesting new booklet, *Celotex Cane Fibre Insulation*.

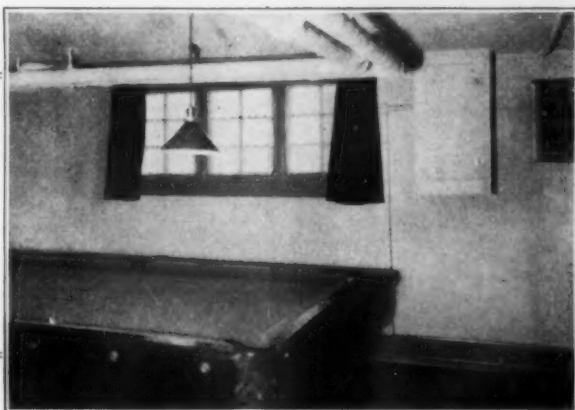
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Plan wisely and you plant well

Space allotment over the little plot is a thing for careful consideration

WALTER B. BALCH

THE small place is not a large estate in miniature but an individual to itself. One cannot have small pools, small streams, small parks, and small roadways on a city lot. He can have his formal garden, his service area, and his "out door room"—and that is about all. The house, garage, drive, and service area on a 50 x 150 ft. place will have to be about as big as on a 200 x 200 ft. place.

The first step, then, is to locate the house. In locating the house, consider the front yard first. The function of the front yard is as a foreground for the house. The house of one to three stories should be set as far back from the street as it is wide. That is, a house that is thirty feet wide should be about thirty feet from the street if it is to present the best first impression on the visitor or passer-by.

FEWER mistakes are made in the setback from the street than in locating boundary lines. It is usually considered better if the house is not in the center of a narrow lot for this leaves two rather narrow strips that cannot be used to any advantage. As a rule, the kitchen side of the house should be about fourteen feet from the boundary line. This fourteen-foot space would be taken up with four feet for a hedge, eight feet for

a drive and two feet between the house and the drive for a strip of grass. One may reduce that by having a wall or a fence on the line and no grass strip by the house. Then the drive should be nine feet wide and this is the nearest that the house should be to the boundary line. If the lot is seventy-five or more feet wide the minimum of nine feet should not be used as it gives an unnecessarily crowded appearance. If the lot is one hundred feet wide, sixteen to twenty feet should be allowed between the house and the boundary line.

THE rest of the service area, that area devoted to drying clothes, the garage, the garbage can, and the coal delivery requires thought. The problem is to place these where they will be convenient yet not obnoxious. Place the garage as near the street as you dare or can. There is no need to have a concrete drive running down the side of the lot, for the back part of the modern home is the play part

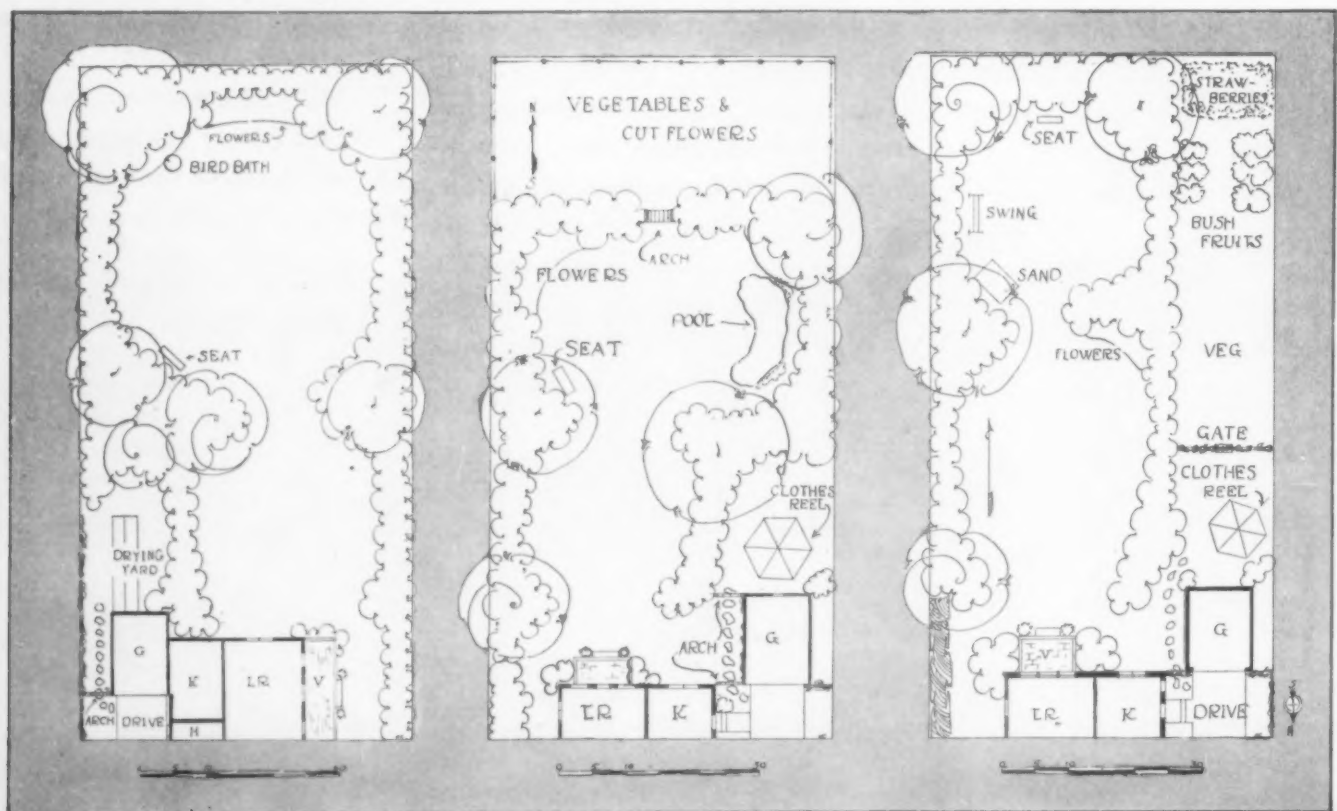
for the family. Have the kitchen, garage, driveway, and coal delivery window all on the side of the house nearest the boundary line. This is the service area and leaves the wider side of the lot and the rear to be planted to grass, flowers, and vegetables.

Planning and planting are two separate steps. It takes thought and care to do either, but one cannot do the planting till the planning is done. A very satisfactory way to accomplish the most for the least is to sit down quietly of an evening and do the planning. Draw the grounds to scale and draw in the house, garage, and drive. Next make an approach to the house. Concrete is never very decorative, so have as little of that as possible. Draw up a plan and send it to the nurseryman for a quotation. If it costs more than you want to invest the first year, put in only part at that time and add to it as time, funds, and inclinations indicate.

ONE may work up a section at a time. However, it is better to plant first the slower growing plants so that toward the end of the building of the gardens all will be maturing about together.

In planning the plantings, consider the house. Around the (Continued on page 276)

Typical developments of an average 50 x 150 ft. plot with the simplest on the right. Shade, service, and beauty are combined to fit varying conditions



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PYROFAX brings real gas service . . . no matter where you live

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At once you will have gas for cooking, a blue, intensely hot flame. Each cylinder holds enough Pyrofax to last an

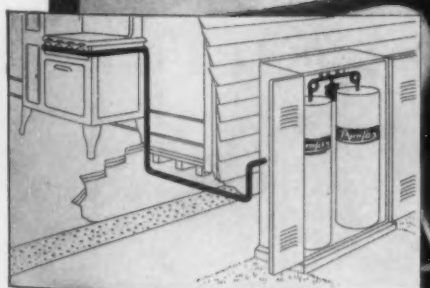
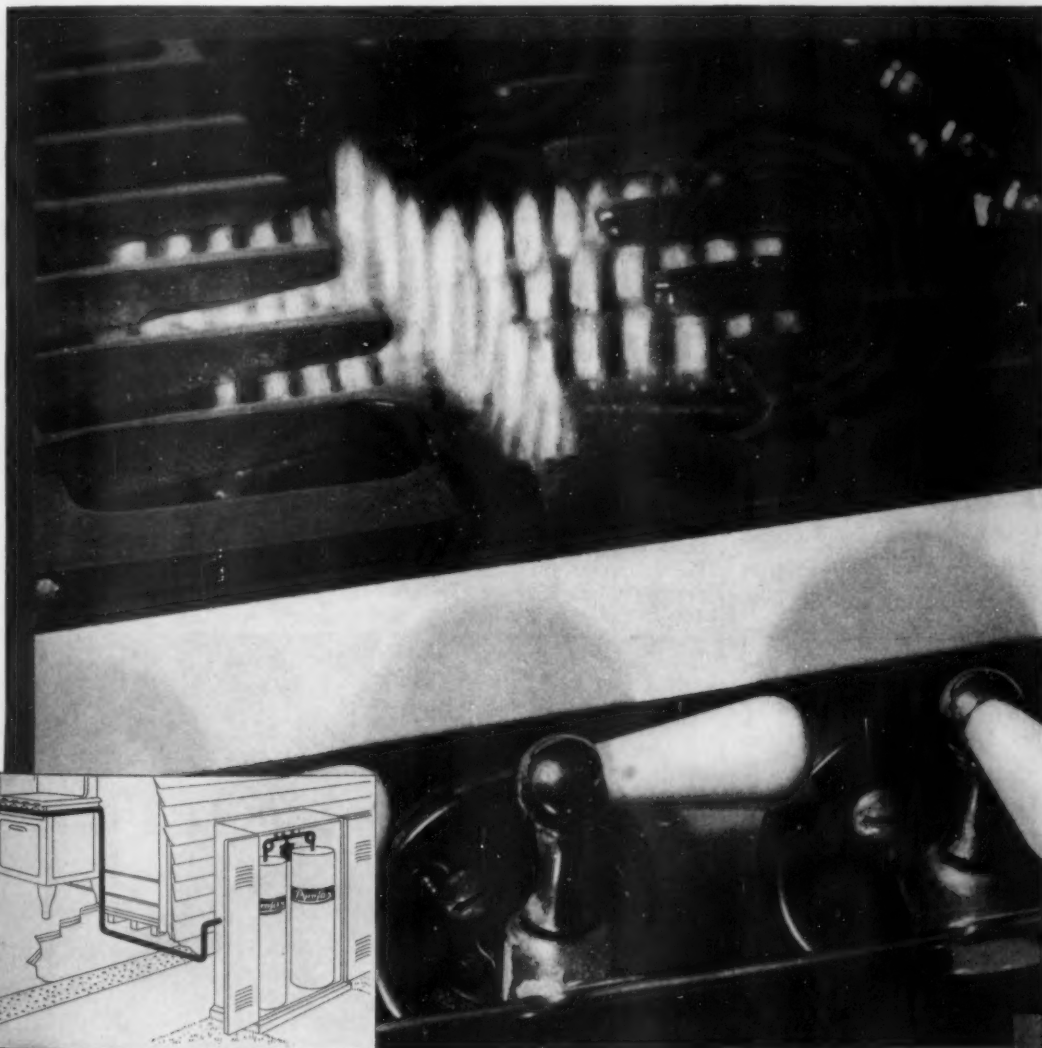
average family two or three months. When one is empty you turn on the second or reserve cylinder and the Pyrofax man replaces the empty with a full one. The Pyrofax two-cylinder system prevents your ever running out of gas.

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Pyrofax two-cylinder system is simple as ABC. Diagram shows direct piping from cylinders to range

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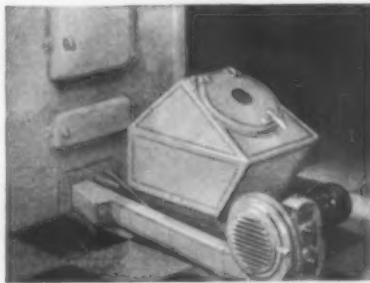
SET YOUR Iron Fireman thermostat for 6 o'clock. Promptly at six the Iron Fireman wakens automatically and starts to work. It fans the slumbering coals into a bright flame. It feeds fresh coal to the fire just as needed. In a few minutes if you were to look into the firebox you would see a bright, steady flame. Soon this warmth starts to penetrate the whole house, wherever you have the heat turned on. By seven you awaken in a warm room.

That is one of the luxuries which the Iron Fireman brings. Another luxury is the knowledge that Iron Fireman is safe. Still another is the knowledge that Iron Fireman heating is so economical that you can afford an abundance of heat. Then there is the automatic regulation of warmth. For Iron Fireman prevents overheating just as automatically and just as positively as it prevents underheating.

Take all of these luxuries together. Then consider that Iron Fireman also gives you a substantial reduction in your fuel bill. This fuel

saving is not a manufacturer's claim. A recent compilation of saving figures supplied by home owners themselves showed an average reduction of 45.61 per cent on their fuel bills.

For your own information have an Iron Fireman engineer survey your present heating system, and give you a report as to what Iron Fireman could do in giving you better heat for less money. Get the facts and figures. Write for literature or ask for an engineer to call. Iron Fireman Manufacturing Company, Portland, Oregon. Branches in Cleveland - St. Louis - Chicago - New York. Dealers in principal cities of the United States and Canada.



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IRON FIREMAN
AUTOMATIC COAL BURNER



...the machine that made coal an automatic fuel

Colorful awnings suitably chosen

Continued from page 175

In deciding on the widths of the scallops it is important to know whether the fabric is to be widely or narrowly striped, as wide stripes call for wide scallops, and vice versa. In general, deeply cut valances give a casual, informal air to a house, for in the least breeze they will stir and flutter like small banners.

The best fabric to choose is a heavy, stout cloth that can be depended upon to keep its appearance and give long wear, and the finest qualities have woven-in designs. Be sure that colors are fast and that the yarns have been dyed before weaving for such awnings are reversible, giving an equally delightful effect from both inside and outside. In the long run, the best awning will prove most economical, retaining colors and shape after years of use.

After all these questions are settled, there comes the most important question of all—that of finding the right color. This is not a difficult or mysterious task and simply consists of deciding which color is most important in the house and choosing an awning to harmonize. The most important, or predominating color is not necessarily that most used, but the one which stands out and is strongest, as for example the red of a tile roof. A touch of green in the pattern is good, for it will harmonize with the trees and lawn. But, in general, most good, clear colors will blend with the natural background just as do the bright and varied shades of a flower garden. Houses whose predominating colors are warm and neutral, such as gray, white, off-white, cream, or yellow will take almost any well styled awning. When the strong color is red, tan, brown, or pink the problem is less simple, but usually red or orange tones are best.

Awning manufacturers now claim that they have evolved color combinations which express various moods. For example, alternating green and brown stripes express comfort and

vitality; stripes of varying width in brown, green, and red suggest informality and sunshine; wide tan stripes with very narrow lines of black, green, and red have a message of hospitality and warmth. The significance of various colors are so well worked out that we give them here as a guide to those who may be planning their awnings: Brilliant colors suggest informality, nearness, hospitality; low-keyed colors—quiet, distance, conservatism; tan—warmth, comfort; green—vitality; orange—sunshine, liveliness; blue—serenity, distinction; and red—energy.

This season there are more designs than ever from which to choose: plain stripes, figured stripes, and stripes that vary from wide bands to narrow lines. Designers tell us that wide stripes give an effect of breadth and strength, narrow stripes suggest conservatism and delicacy, and intricate designs are associated with liveliness and gaiety. The new figured stripes are very tempting with their geometrical motifs which seem to be derived from American Indian patterns, but they are appropriate only for very informal houses. The majority of homes are better suited to simpler stripes or even entirely plain fabrics.

When our awnings are chosen and in place a little care and attention will help greatly to retain their first freshness and make them almost permanent additions to the home, whereas carelessness can ruin them in one season. They should never be pulled up while even slightly wet or damp. When in this condition, let them down and keep them so until thoroughly dry or the result will be mildew with rotting fabric and ugly black spots. Dust and dirt should occasionally be removed by bouncing the awnings up and down with the pull ropes or tapping lightly with a switch or carpet beater. Once in a while give them a thorough cleaning by simply turning the garden hose on them.



This American Colonial house uses awnings whose alternating wide green and narrower tan stripes are separated by narrow lines of black, yellow, and red. (Courtesy, Otis Awning Co.)

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"WOOL" from WOOD

Thick, fleecy, flexible.. this true insulation proofs your home against cold and wind.. saves fuel



Here, in pictures, are the facts about true house insulation — facts that every home-builder should know.

The large picture shows why flexibility is of basic importance in house insulation.

Note how Balsam-Wool, in fleecy, blanket-like strips, fits snug and tight between the framing members of the house.

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It looks amazingly like sheep's wool. It practically equals the actual warmth of sheep's wool!

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Balsam-Wool insures you a really heat-tight home — warm in winter, cool in summer. A truly modern home, always comfortable, more readily salable.

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The first cost of Balsam-Wool is small — only 1½ per cent, on the average, of the new house cost.

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You save every winter on fuel bills — from 25 to 40 per cent. Thus Balsam-Wool actually pays you dividends every year.

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The colors of each Otis design are *woven into the cloth*. These rugged fabrics are reversible, as beautiful on one side as on the other. They remain beautiful for many seasons, too, for the dyes are the most permanent available.

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The American Home furnishes a house

Continued from page 174

fiber which is made up in 12 by 12-inch units, the complete rug being any multiple of these units which you wish to order. The rug we have used for our porch is made in a smart combination of alternating black and gold squares. This fiber wears marvellously. In fact the rugs made of it are practically indestructible, and come in such a wide range of colors you are sure to find something that would be harmonious with any decorative scheme.

The furniture for the porch is rather unique and unusual. The settee and low chairs are made of metal (which has been enamelled a rich shade of dark green) and strong, finely woven cane. The designs have the clean distinguished lines that modern furniture has made popular, and there is nothing fussy to care for in the frankly structural pieces which are so good looking. The cane is natural color, against which the lobster-red cushions are most effective. The material of which the cushions are made is colorproof and will not fade, so they may be left on the chairs through the summer, if you wish.

A great Oriental peacock chair stands in one corner, and there was never a more distinguished summer chair made than this, with its woven borders in black around the spreading top. The low hour-glass stool is also an Oriental piece, made of woven rattan, with black decorations. The exotic cushions which are piled in the chairs are covered with the unique batiked cottons of Java, in the deep blues, blacks, and rust reds which they have perfected, and which are indestructible. Tea, or cooler refreshments may be served from the low table with a top of black glass, whose straight legs are made of the same metal as the chair frames. The smoker's comfort is provided for by the smoking stands in black, picked out with red, which are placed at hand on the porch. The largest stand of the three has a central portion of metal where burning cigars and cigarettes may be dropped and quickly extinguished, thus preventing stale odors.

Porch shades provide artificial

shadow when needed, as the afternoon sun has a habit of finding its way through the foliage in unexpected places, and an adjustable blind is a great convenience.

Wall pockets add a decorative touch to any porch, and offer a wide range of choice in their design and material. We have used two unique models in Spanish wrought iron and pottery, filled with the cool green sprays of ivy. Bringing a bit of green onto the porch ties it nicely with the garden, so that you have the real feeling of an outdoor room when you are sitting there. Tall pots of oleanders and bamboos add a great deal to a porch if you are willing to care for them, especially if they are in the decorative pots of Italian ware.

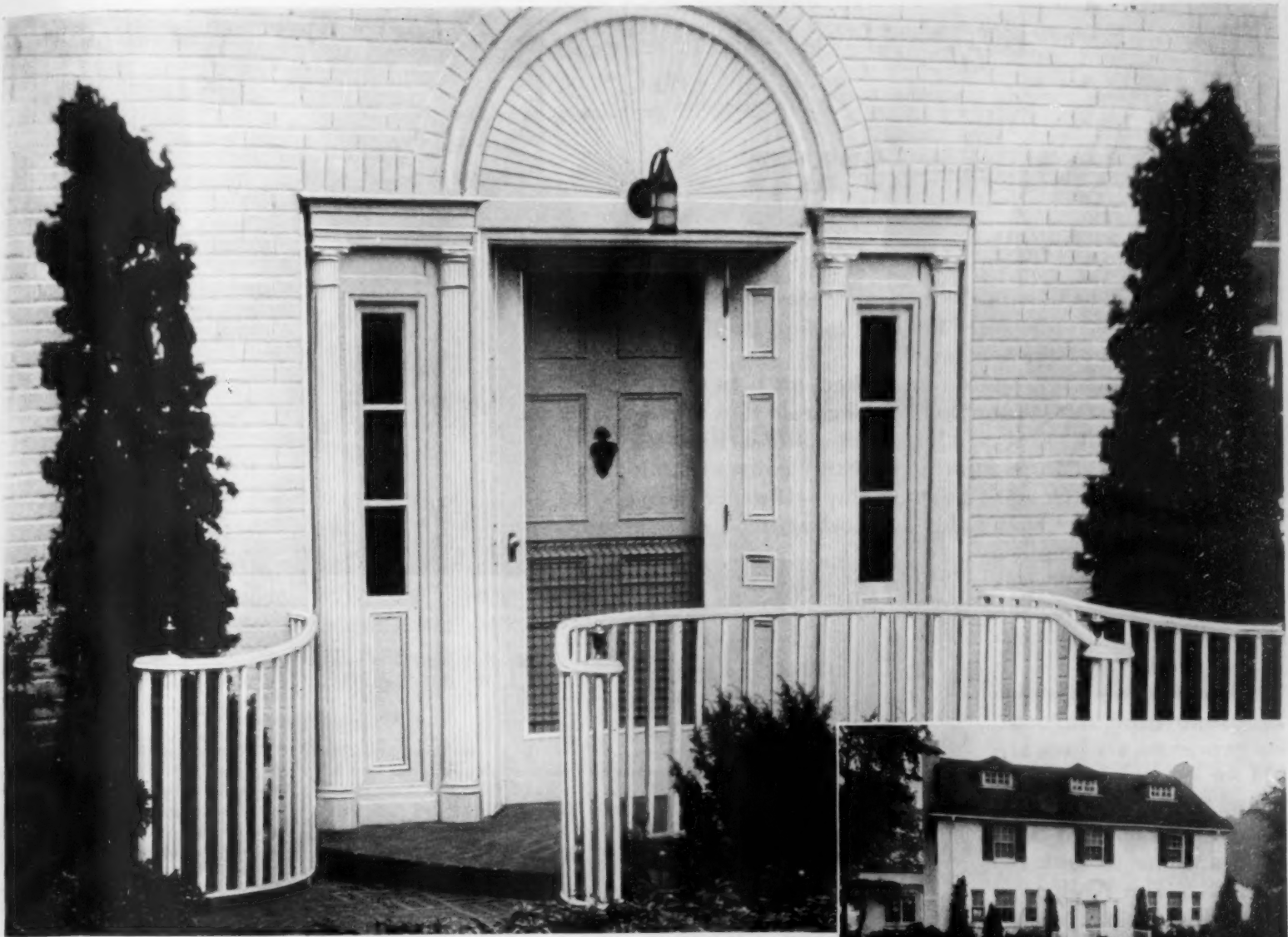
If you do not care for the rolling shade screens you may have great pull curtains made of awning cloth in the tones of Venetian boat sails, in orange or stripes, or a deep, beautiful blue. One porch I have in mind has beds of purple verbenas and pink petunias beside it, and is equipped with long pull curtains of brilliant blue awning cloth that hang in heavy folds, making a brilliant color composition with the pale pink stucco walls of the house and the glowing flower beds.

With this article we conclude our series "The American Home Furnishes a House" which began in the October, 1929, issue. We shall be glad to continue sending descriptions of the furnishings, addresses of manufacturers or retailers, and samples of curtains and wallpapers, if the inquirer will enclose six cents in stamps for each room desired. The series ran as follows:

- October, 1929 The Living Room
- November, 1929 The Dining Room
- December, 1929 The Master's Bedroom
- January, 1930 The Guest Room
- February, 1930 The Kitchen
- March, 1930 The Bathroom and Linen Closet
- April, 1930 The Hall and the Many-Purpose Room
- May, 1930 The Sunporch



The peacock chair is named from the shape of the back. (Courtesy, Gunn & Latchford)



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.



The sparkling new whiteness of Judge Hirt's home has caused much enthusiastic comment.

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INEVITABLY they attract and hold your attention . . . Homes of real distinction. Intensely white, richly lustrous, they stand out among their neighbors. Painting with Outside Barreled Sunlight has given them new personality . . . new charm.

Owners are delighted. Never before have they seen such beautiful whiteness. Painters, too, are enthusiastic. Not only does Outside Barreled Sunlight enable them to do a more satisfactory job, but the result often brings unsolicited orders.

Outside Barreled Sunlight is made by an adaptation of the exclusive Rice Process

which perfected Interior Barreled Sunlight, the famous paint enamel used on walls and woodwork of thousands of fine homes.

Outside Barreled Sunlight costs a few cents more per gallon than "just paint," but the difference is amply justified by lasting beauty and durability.

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- Send free can of Outside Barreled Sunlight to my painter. His name and address are given in margin below.

Modern WALLPAPER can modernize a room

THE consensus of opinion among decorators today is that modern furniture has still to find itself. But modern wallpapers have arrived.

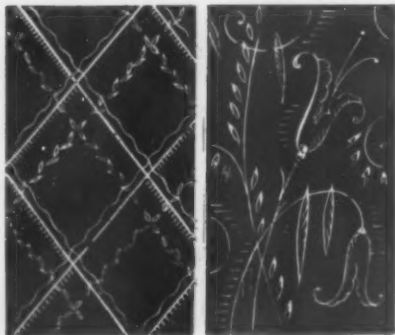
With their advent, walls have taken on a new importance, almost a stellar role. No longer do they merely enclose a room—they give it character, life, brilliance—they date it . . . Modern walls can carry conventional furniture with them into the new day—if papers are cleverly chosen for line, color and feeling.

Because each room is a special problem—because wallpapers often look different in large areas than they do in small samples—because the proportions of a room, its exposure, its uses are all so important—because sunfast papers are now obtainable if one knows where to look for them . . . The Wallpaper Association has established a Consulting Decorators' Bureau the services of which are yours for the asking . . . In addition, two booklets have been prepared—"How to Modernize Your Home" and "Which Wallpaper and Why."



The
WALLPAPER
ASSOCIATION
OF UNITED STATES
10 EAST 40 ST., N. Y. C.

Send 25 cents for both the booklets mentioned above and 50 large-sized samples of actual wallpapers.



The dining room chairs were found in Canada where their seats were made of thongs laced as are snow shoes

The kitchen that became a house

Continued from page 168

The little old windows with their small panes of greenish glass were left as they were originally, but doors were cut in here and there to open on to porch or lawn, rooms were added at the back in an ell that had a second story. Stairs were put in a dining room that had grown as if by magic out of two or three large closets; other windows were cut in, their panes matching in size those of the older windows. And now, at last, the kitchen had ceased to be a kitchen and had become a home of peace and comfort. In apple blossom time the whole place is a bouquet of loveliness, for the spreading branches of the old trees peer into every window, hang over each door, and carpet the flagstone walk with their pink and white petals as shown on our cover.

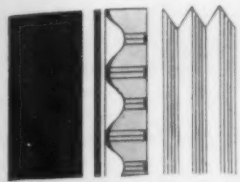
Although used only as a summer home, the little gray house has all

the conveniences that make for all-year-round comfort. There are telephones, running water, bathrooms, and electricity—this last bespeaking an electric range, vacuum cleaner, an electric washer and drier, refrigerator, as well as all the numerous table conveniences that make home life run so smoothly in these modern days. It also makes possible an electric floor polisher, a necessity indeed, since these wide-boarded floors are kept so waxed and polished that one can see dancing reflections from the fire in them.

The living room of to-day was the actual kitchen of that old service ell. Its chimney of warm-toned brick rises unashamed from the floor to the low ceiling. The walls of this room are of wood in narrow strips painted a pale gray-green that contrasts with the highly (Continued on page 210)

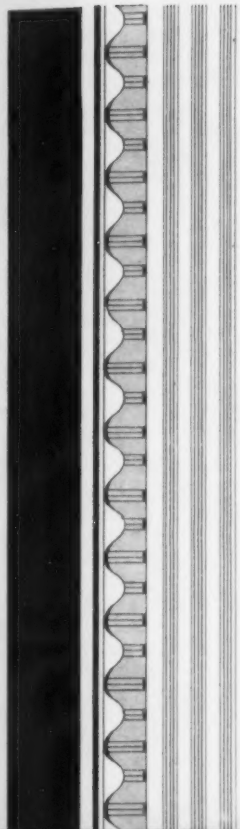


At one end of the living room under casement windows which admit floods of sunshine is the piano



THE SPIRIT OF MODERN PROGRESS in old New England is typified by three great skyscrapers now nearing completion in Boston . . . all equipped throughout with RUSSWIN Hardware. In specifying RUSSWIN, the

modern



architects and others responsible for the United Shoe Machinery Corporation Building, Rollins Building and the Hotel Manger, took into account the security of RUSSWIN locking devices . . . its base of bronze or brass; metals not affected by time, wear or weather . . . its world-wide reputation for distinctive beauty of design in keeping with this new type of architecture . . . the perfection of its workmanship, and a life-time of trouble-free service that RUSSWIN Hardware is bound to give. RUSSWIN is being chosen for homes, churches, public buildings and structures of every size and type throughout the nation. Russell & Erwin Manufacturing Company (The American Hardware Corporation, Successor), New Britain, Connecticut—New York, Chicago, London.



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Contractors
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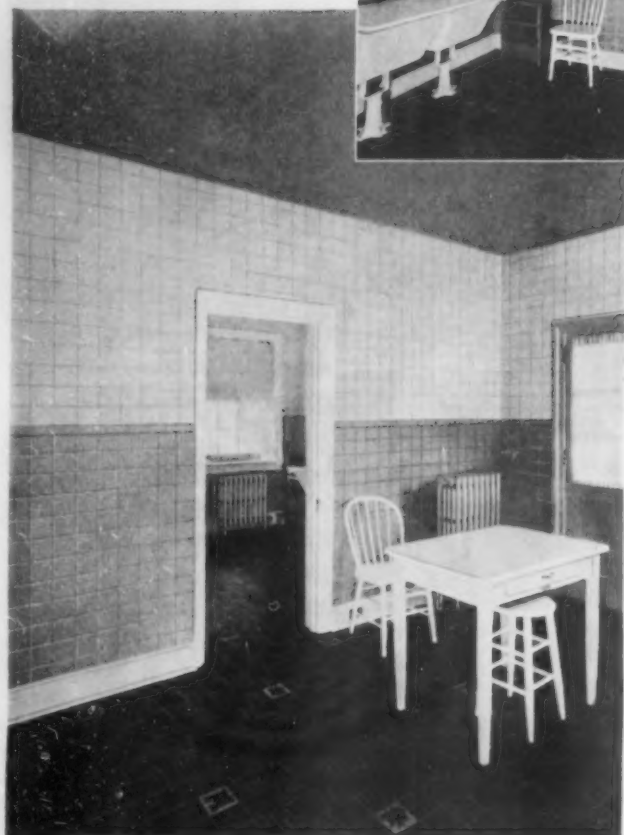


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"WALTILE CHANGED ALL MY PLANS" » » » "



"Originally we planned to have Ambler Asbestos Waltile only in our kitchen" . . . writes one of Philadelphia's charming Main Line hostesses . . . "but as soon as the Waltile was put up, it looked so charming, and was so practical, that we decided to use it in both the laundry and butler's pantry. Waltile was so much better looking and easier to keep clean. Friends of mine have told me how wonderfully it lasts, and we found it was surprisingly inexpensive."

You will be every bit as delighted if you specify Ambler Asbestos Waltile for your own walls. Ambler Waltile is stain-proof . . . fadeproof . . . many delightful colors, with gleaming du Pont finish. Mail the coupon today.

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The kitchen that became a house

Continued from page 206

polished brown floor—so dark a brown as to be almost black. At one side of the chimney are shelves for books in gay tones to bring color to the green walls. Below are closed shelves for magazines while built-in bookcases stand between the door in the side wall behind the couch. This couch is very lovely in its covering of green chintz with design in orange and mulberry, colors that are found in the wing chair near-by. The large oval rug before the fireplace is most unusual both in size and in color as it holds all the tones of the chintz and walls, and covers nearly the entire floor space. At the other end of the room is a comfortable armchair close to the grand piano which is placed below the casement windows. These windows are hung only with golden sunny gauze that seems to have caught and held in its meshes the sunlight that floods the room. Quaint mahogany tables and rush-bottomed and Windsor chairs complete the furnishing of this livable room. For lights there are electric lamps for use when needed, but the light usually is furnished by candles in old brass candlesticks.

The guest room opens off this room at the left. It is in the wing holding the entrance steps. The walls are literally pictures in wood, as the knotty pine panelling has been left in its natural color. This is a creamy buff slowly developing soft

brown tones in places so that the walls show the grain in such lovely design as to actually seem like woodland scenes. In this room are quaint old beds of a deep ivory color with counterpanes in blue and white check, the wide-boarded floor made warm with braided rag rugs. As in the living room, the curtains are merely glass curtains of gauze.

The dining room runs across the entire house opening from the living room by a door beside the chimney. One has only to study the marks still showing on the floor to see how many entries and closets were thrown together to make this room. With doors at either end of the room opening directly on the lawn, there is the feeling of eating almost out of doors, so sunny is it. The walls are deep cream and, like those in the living room, are of wood. The floor is brown and on it is used a braided rug of many hues. Color is given also by the curtains of cream linen gaily figured in blue and orange while rare old Wedgwood and Spode dishes in a mahogany cabinet lend their soft tones to that end of the room. The chairs are most unusual. They were found in Canada where their seats were made of thongs laced as are snow shoes.

Back of the dining room is the complete, modern kitchen and over all runs the second story with its four bedrooms and bath.

Colonial precedents for the American Home

Continued from page 185

Stone work was highly developed in ornamentation about windows and doors as well as on excellently designed cornices.

The cornice was ever a prominent feature of the Pennsylvania house. A pent eave marking the division of the first and second floors is common.

Roofs were either hipped or gabled and dormers were frequent.

In many houses we find a center section with end wings.

Inside woodwork was ornate even in the simplest country home.

In the city house we find exquisitely carved panelling, mantels, and door and window frames. In many cases these equalled or, at least, rivalled the well-known work of Samuel McIntyre of Salem.

In glass, metal, and furniture they excelled in their peculiar trades.

Pennsylvania furniture should be divided into two classes—city and provincial.

City furniture had the English Georgian feeling; provincial, the German peasant flavor. Both existed within a few miles of each other.

PROVINCIAL FURNITURE

Sturdiness was the keynote of construction.

Chests were painted. County emblems, religious or symbolical designs were used. In most cases two parallel drawers appear beneath the chest.

Chests were made as a rule of pine, white wood, and walnut.

The hardware was well made and of good design.

Feet were of the bracket type.

Chests of drawers were usually found in walnut, sturdy in proportion, with brasses, round fluted corners, and bracket feet.

High chests of drawers were quite common.

Highboys had pad or web feet, no carving, and a flat top.

Open and closed dressers were found in every house. They had the characteristic rat-tail hinges.

They differed from those of New England in that many of them were two-part cupboards.

Moldings were heavy.

Water benches are perhaps unique to this locality. They consist of a small flat cupboard with doors and sometimes parallel drawers in shell form above.

Benches were common on every porch. Windsor (*Continued on page 212*)

Above all - lasting protection



LET AMBLER ASBESTOS SHINGLES END ROOFING EXPENSE

If you are remodeling or just "fixing up" your home this year, why not include a new, *lifetime* roof... made of Ambler Asbestos Shingles. If you are planning a new home, you can free yourself from future thoughts about your roof by insisting on Ambler Asbestos Shingles right at the start. Driving rain, — stinging sleet, — heavy snow, — scorching sun... all wage a ceaseless battle on your roof. With old-fashioned shingles you will always have costly repairs sooner or later. Ambler Asbestos Shingles are fireproof... actually improve with age... no painting, — no repairs, — no replacements... ever. And with their beautiful variegated colors, Ambler Shingles give your home a truly distinctive charm.

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THE SEAT OF HEALTH



THE oddly shaped Si-wel-clo saddle seat and bowl fulfills a vital mission. The purpose of each curve and dip is not merely one of grace and beauty. They aim to place organs and muscles in a free and natural position—stimulating them to complete action.

Doctors give full credit to the Improved Quiet Si-wel-clo for aiding them in their battle against constipation. The very comfort of the saddle seat minimizes the unhygienic tendency, especially noticeable in children, to grudge sufficient time for proper elimination.

While the term "quiet" is comparative, we may safely use the word in connection with the operation of the Si-wel-clo. No gushing, gurgling noises will resound throughout the house to annoy you and embarrass your guests. And with the Si-wel-clo's desirable attribute of quietness comes the life-long beauty of all-clay and a mechanical excellence of fittings which obviate the frequent visits of the plumber.



OUR GUARANTEE—We make but one grade of ware—the best that can be produced—and sell it at reasonable prices. We sell no seconds or culls. Our ware is guaranteed to be equal in quality and durability to any sanitary ware made in the world. The Te-pe-co trade mark is found on all goods manufactured by us and is your guarantee that you have received that for which you have paid.

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The owner of this Wisconsin residence had it equipped with the best plumbing fixtures—"TE-PE-CO" in other words



Send 10c for our plan book No. V-1 "Bathrooms of Character."



Colonial precedents for the American Home

Continued from page 210

and fiddle-back were the popular styles, in most cases painted with designs of the character used on painted chests. They were well made and stood hard wear.

Smaller side chairs had the same feeling as the benches and corresponded to the Connecticut Hitchcock.

The painting was in most cases well done but the chairs were sometimes of poor proportions.

Other chairs were of the same design that was generally in use throughout the country such as ladder-back and Windsor in all variations.

The round-about or heavy Windsor was highly developed in Pennsylvania.

The ladder-back chairs had heavy ball stretchers and the back slats were shaped. Rush was used in seats.

Tables were found in walnut, pine, maple, and cherry and the types are generally the same as in the other states.

The tavern or stretcher table seems to be the most popular and had turned or chamfered legs and, in many examples, a center stretcher.

Duck-foot and pad-foot tables have heavier legs terminating in larger feet.

Many of the tables have one local peculiarity—two drawers are found and quite commonly in different sizes. Trestle and sawbuck tables were used also.

Grandfather clocks with brass and painted wood dials with cases of pine, oak, cherry, and walnut had a commanding place in the Pennsylvania homes.

The clock-on-the-wall, and the shelf and banjo clocks also were in demand. The clock-box is, perhaps, unique to this state.

Initials and dates were carved and painted on many pieces of furniture, and from the many religious sects in the state we find great variety of decorated secular furniture that does not conform to any set of rules.

A Moravian chair that has a carved shaped back and chamfered legs stuck through a wooden seat might have been in character a Swiss chair, yet it is entirely replaced in another part of the state by a chair of Windsor type.

There is not a State of the original thirteen states in which we find a greater variety of influences.

The kas is found and it is practically identical to the examples found in other states.

Smaller pieces of furniture such as pipe boxes, knife boxes, racks, picture frames and boxes all have the peasant decoration.

Ironware showed a strong flair for design.

Stoves were molded with religious and symbolical scenes and designs. Hinges and locks were skilfully made. The tulip was the basis of many motifs.

Iron kitchen utensils were used in great number.

Birth, marriage, and death certificates were gaudily decorated.

Samplers were carefully worked out in the same characteristic designs.

Slipware pottery of brown glaze with designs in cream was in great use.

Rarer examples were in colors and the designs were scratched into the pottery.

China with a spattering of color on a background and a peacock or some other motif for embellishment was known as spatterware.

Stiegel made the finest glass of his time. It had a Germanic feeling. Enamel inscriptions were used.

Glasses were panelled, engraved, and had color fused in for decoration. Some were molded, some swirled and others had diamond and quilted forms.

Every type of glass was made to fit the needs of the people.

Plaster figures were used as mantel ornaments.

CITY FURNITURE

The furniture of the Quaker city was an outgrowth of the simple country styles. Prosperity, the cabinet makers newly arrived from England, and the desire for luxury created the demand.

Savery, Randolph, Gillingham, and Göstelowe were the outstanding cabinetmakers.

Savery was known to have made simple ladder-back chairs as his initial work. A Savery highboy is one of the most valuable pieces of American furniture.

Chippendale served as the model for the greater number of the Philadelphia cabinetmakers. Their furniture was made in walnut, mahogany, and cherry.

Tea tables were graceful. The pedestal type had a finely turned shaft, acanthus decoration, shell feet, and ball and claw feet. Savery even went so far as to use marble on his pier tables.

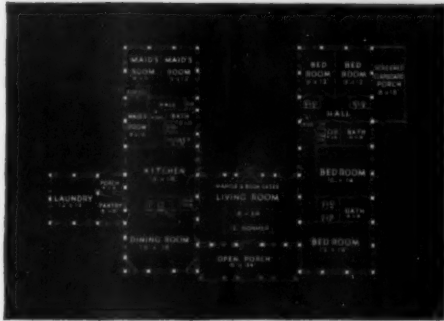
Ornateness was carried so far on the highboy we find not only the acanthus motif and ball and claw foot, but dentil moldings, rosettes, shells, round columned plasters, flames, and even busts of figures—a true classic of wood carver's art.

THE HOUSE ITSELF GROWS OVERNIGHT—ITS BEAUTY GROWS FOR YEARS

IF YOU WANT AN ATTRACTIVE, COMFORTABLE VACATION HOME—AND ONLY YOUR DREAD OF THE FUSS AND DELAY OF BUILDING HOLDS YOU BACK—THE HODGSON METHOD IS THE ANSWER TO YOUR WISH

YOU CHOOSE a floor-plan from our booklet; we build your home in sections and ship it to you ready to erect. With local help you can have it put up in a short time, without litter, confusion, or unexpected expense. If you want us to handle the job completely, we will send a Hodgson construction foreman to supervise all details.

People of means are choosing Hodgson Houses, even when price doesn't count. For the quiet charm of a Hodgson House comes from architectural "fitness" and good taste. Each year its beauty seems to increase . . . so simple are its lines; so well does it blend with rugged landscape or leafy background.



The sections fit tightly together, held rigid by heavy key bolts, and the finished house is sturdy and durable. Hodgson Houses everywhere have withstood

the severest storms. You will have no repairs for years. Selected cedar and Douglas fir are used in construction. Details are carefully finished. Solid brass hardware, glass doorknobs. Walls, roof and floors are insulated with Celotex.

Our free illustrated book K gives you a great variety of pictures, plans and prices. Also shows furnishings and outdoor equipment. Write for it today, to E. F. Hodgson Co., 1108 Commonwealth Avenue, Boston, Mass., or 6 East 39th Street, New York City.

HODGSON Houses

That Rubbish Problem —

WITH oil or gas for fuel, you will appreciate what we mean by "that rubbish problem" — no place to burn paper, scraps and other household waste that accumulates so rapidly. Any method is only a bothersome makeshift — unless you have a Kernerator.

The Kernerator — pioneer flue-fed incinerator — receives all waste and rubbish as well as all garbage.

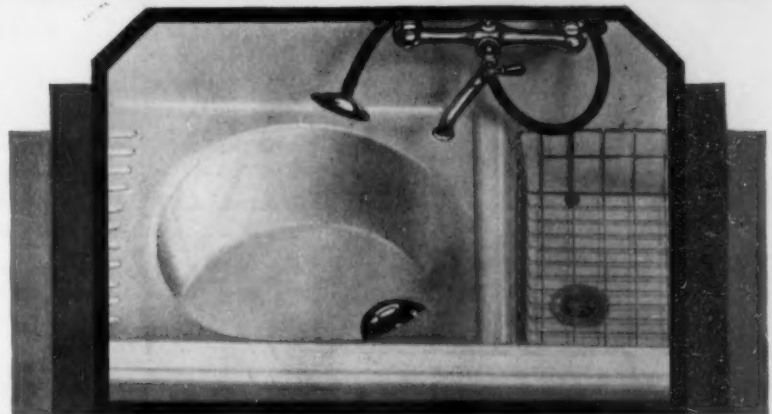
The Kernerator makes immediate disposal of rubbish and garbage, as near to you as your kitchen wall. Just drop all refuse into the handy hopper door — what could be more convenient?

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Your architect will tell you all about the Kernerator and the company behind it.



a new idea The Built-in Dishpan



Scouring, drying and storing a bungle-some dishpan is now eliminated from the dish washing task—the "EBCO" Sink provides a permanent built-in dishpan and drying compartment equipped with special wire basket. Both of these compartments are self-draining. The EBCO is obtainable in white and colors—in all sizes—with or without workboard or adjustable pedestal legs. Mail the coupon for full particulars.

"EBCO" DISHWASHING SINK



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Send Complete Information about the —"EBCO" DISHWASHING SINK—

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TRADE MARK

The finest window screens
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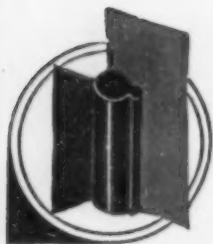
Rolscreens are typical of the luxury, beauty and alluring conveniences of the modern day.

Because Rolscreens are permanent—built in the windows to stay—they require no fall storing or spring re-hanging. This is a great saving of labor and expense, and no storage space for screens is needed.

Easily Rolscreens are rolled up out of sight and protected whenever the windows are closed, summer or winter. When it is desirable to open the windows during cold months Rolscreens may be lowered to protect costly draperies from smoky and soot covered sills.

The efficiency of Rolscreen manufacturing produces the finest window screens obtainable—and the prices are surprisingly low.

All good, proven products have imitators. Insist on the genuine trade marked



A section through guide showing lug in selvage of screen wire which prevents sagging. A "non-sagging" feature found only in Rolscreens—Fully Guaranteed.

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



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If you are replacing your window screens, building or remodeling your home, you will be interested in the Rolscreen Booklet. » » » » »

ROLSCREEN COMPANY
 388 Main Street Pella, Iowa

China for the very, very young

Continued from page 178

During the last few weeks some of the grown-ups who make the rules about spinach and soft boiled eggs and apple sauce seem to have decided that they cannot have it all their own way, for ever so many tempting things in children's tableware are appearing in the shops. There is just about as much variety as anyone could wish. The child who loves nursery rhymes may have pictures of his favorites on his dishes; whether he prefers horses or dogs or rabbits or cats there is not the least difficulty about satisfying his wishes. Christopher Robin, and Uncle Wiggily, Little Red Riding Hood, and many others are all simply waiting to be chosen.

Best of all, these dishes may be either cheap, medium-priced, or costly as the purse of the buyer dictates. Some of the ten cent stores have delightful mugs and plates decorated with gaily colored figures of children and animals and at the other end of the scale are sets of the finest English bone china, durable and beautifully finished, which cost \$7.50 for four pieces. But it would be rash to state that the majority of children will like the expensive ones best.

As a rule the sets include a plate, a cereal bowl, and a mug. Some add a milk jug; others have both a large and small plate and, in most cases, the pieces may be bought separately if desired although the ensembles are so charming that most people will prefer to have them complete.

For practical qualities, and for beauty too, it is hard to find anything which equals the German sets of enameled steel. Of course they are extremely durable—no small consideration. It takes a very hard knock indeed to even chip these pieces and they must not be confused with ordinary cheap enameled ware. The finish is exceptionally good, free from flaws and roughness and of a smooth, fine texture. Their decoration is particularly pleasing and is designed to mold a child's taste toward simplicity and clear colors. Three-piece sets are priced at \$2.24.

In the same ware are the semi-circular trays that are made to fit into the wooden tray of a child's highchair. These have the very useful device of a trough along the inside which should effectively catch crumbs and even spilled milk. The colors and patterns come in great variety of which the one in the photograph on page 178 is typical. The price is \$1.59 or \$2.24 according to quality.

Before leaving the metal ware we must also mention the attractive baby hot plates, priced from one \$1.89 up

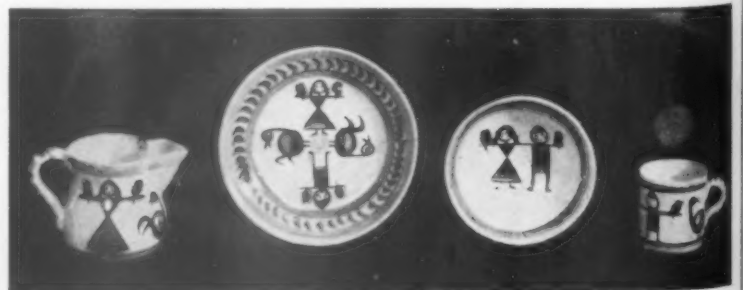
and guaranteed not to rust as they are nickel plated on brass. The porcelain lining is decorated with pictures of animals, of Red Riding Hood and her wolf, of gnomes or children and even with rabbits and Easter eggs. Metal covers may be bought separately.

Even Italian potters have turned their hands to making ware for children and one of the most original and cheery sets to be found is shown in the picture. The funny figures in green, blue, and rose will appeal to any child because they look just like the pictures he draws himself. Jug, plate, bowl, and mug cost \$3.96. A somewhat similar design from Germany with conventionalized clowns in soft blues and reds on deep yellow is very inexpensively priced, the plates costing twenty-four cents, cups thirty-four, and mugs twenty-four and twenty-nine cents.

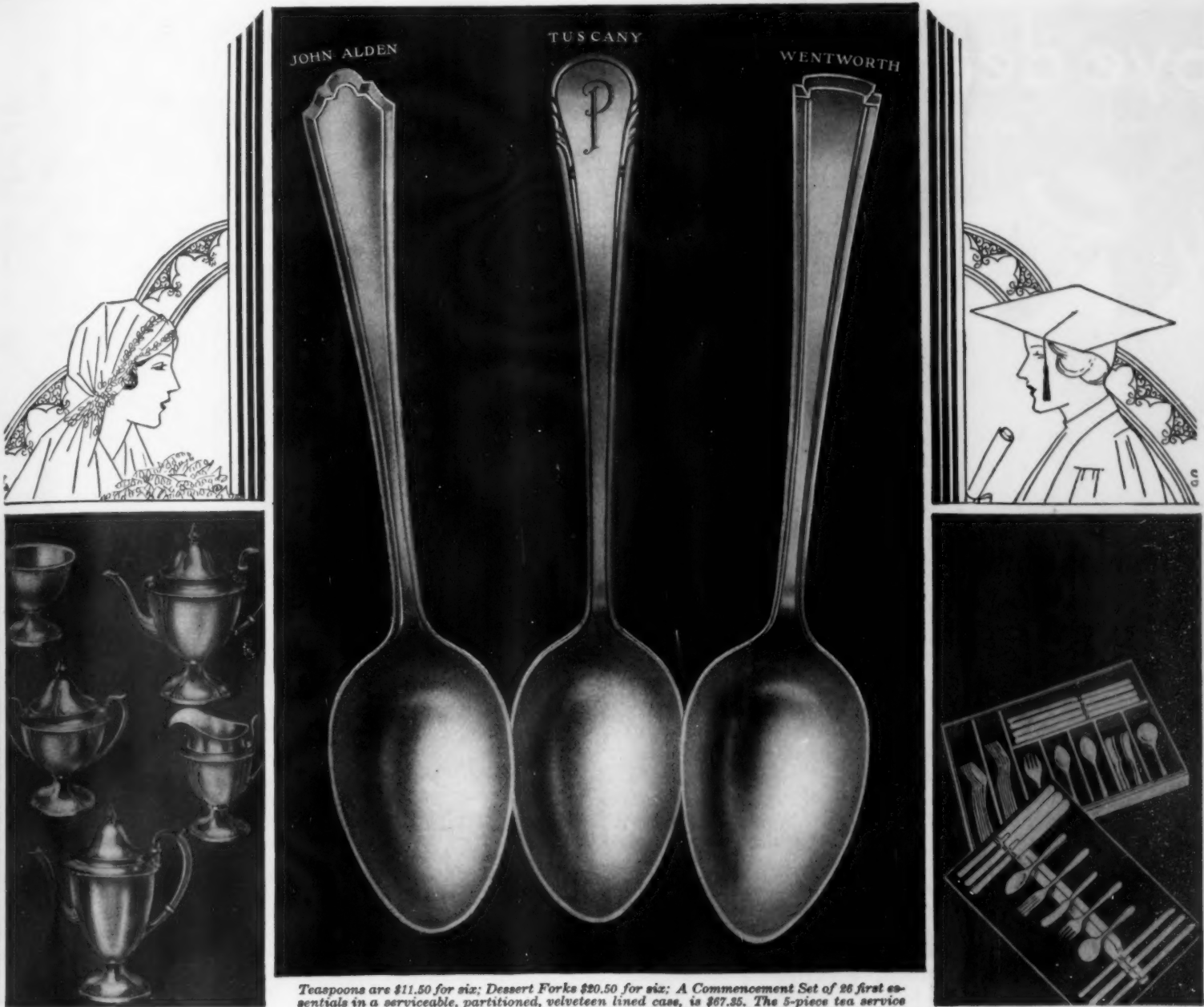
In these days when doctors advise against forcing a child to eat, worried mothers will decide if they must not coax, they may at least tempt. That is certainly the function of the extraordinarily amusing German cat china. "I'm sure there isn't a child who would refuse to drink his milk out of that mug!" said one experienced mother of a now grown-up family when she saw one with an active spotted pussy climbing up the side. She seemed to know, so we put him in the picture and he costs fifty-nine cents. He might be companioned with a flat plate or dish with high sides which rewards one when the food is all gone by showing a scene of two kittens singing a duet to the accompaniment of a cricket. The bowls cost thirty-five cents and the plates fifty.

We found also very good looking and most inexpensive pieces in a rather fine earthenware with clearly outlined patterns of a boy and a rabbit in yellow and green on white. The small plate cost fifteen cents, and matching mug, cereal bowl, and larger plate were twenty-nine cents each.

We very much doubt if any of the styles shown will give such real delight as those that have pictures of the characters and scenes from favorite animal or fairy stories. Just observe the gay abandon with which Uncle Wiggily capers along on the plate in the illustration on page 178, paw in wing, with Grandpa Goosey Gander. Any devotee of the bedtime stories who sees prim Nurse Jane and mischievous Baby Bunting and the bad Bob Cat in their gay colors racing round the edge of the plate will love them at once and older people will like them for their durability and excellent finish.



From Italy comes a four-piece set that looks as if it had been decorated by children for children. (Courtesy, R. H. Macy & Co.)



Teaspoons are \$11.50 for six; Dessert Forks \$20.50 for six; A Commencement Set of 26 first essentials in a serviceable, partitioned, velvet-lined case, is \$67.35. The 5-piece tea service illustrated is \$450.00. It is in the beautiful hand-chased Tuscany design, the newest of the Watson creations.

THE FIRST THOUGHT of BRIDE and GRADUATE

EXQUISITE SOLID SILVER! Imperishable, beautiful. The *one* table silver that can be used day in and day out without losing its worth or its beauty . . . whose authority is never questioned . . . that is correct, fashionable, precious . . . A bride and her sterling — twin symbols of beauty — the two are inseparable. Surely nothing can ever take the place of sterling for the wedding or graduation gift . . . lovely sterling is so expressive of "family", of "position", of good taste and judgment. The three designs illustrated are popular favorites. They are heavy as fine solid silver should be . . . stately, symmetrical and with a classic beauty which the changing fashions cannot efface. If

you wish, you may purchase your Commencement Set on the convenient budget plan . . . Tell us which design best suits you — and your home — and we will be happy to send you a beautiful brochure of the complete service.


THE WATSON COMPANY, ATTLEBORO, MASS.
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The Watson Company, Attleboro, Mass.

Please send me a brochure of the _____ design. I am interested in procuring a service of _____ pieces on the convenient budget plan.

Name _____

Address _____





Watson Sterling



'bye dear!
—don't worry about the heater.
I filled it this morning!

Off for an overnight trip . . . mind free for business . . . thank goodness the folks don't have to worry about keeping the house warm . . . the coal in the boiler will last for a full day at least!

What a convenience it is to have your house heated the easiest and cheapest way—by the Newport Magazine-Feed Boiler. This is the heater that feeds itself from a large overhead reservoir of fuel. As one Newport owner reports, "In the coldest weather we've had, we've filled the magazine but once a day. In ordinary weather, it will hold enough coal to last several days, and in the mild Spring and Fall periods our boiler runs well onto a week without refilling."

This is Newport convenience, equalled only by Newport economy. Newport is the boiler that burns the cheap small sizes of fuel, like No. 1 Buckwheat or Pea coal, that Newport owners buy for as much as \$5 or \$7 less per ton. Typical is the case of Mr. H. C. Specht, Springfield, Mass., who writes, "The coal for my new NEWPORT cost me \$90.00 last winter against \$160.00 the previous winter with my old heater—I saved \$70.00."

The Newport has brought easier, cheaper heating to many thousands of homes and, further, has convincingly demonstrated its

adaptability to many fuels—coal, coke and oil—as well as its ability to give uniform heat with a minimum of attention. Whether you're putting in a new heating plant or replacing an old one, it will pay you well to get the 4 Basic Facts of Newport heating first. Send the coupon placed below for your convenience and we'll be glad to send you complete details on "HEAT—the easiest and cheapest way"—without obligation.

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Yes! I'd like to know how to Heat the easiest—cheapest way—no obligation of course.

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Distributors in all principal cities, U.S. and Canada

A comfortable home in one room

Continued from page 170

one-room home is very noticeable and distasteful; everything must be ship-shape and well cared for. That is why neatly tailored covers are so much more desirable than the couch covers which do not fit and, laid over the bumpy bedding on some couches, proclaim their owner's bad taste. The tailored cover should be made with piped seams and perfect finish, so that it may be turned from time to time from back to front, to distribute the wear. Two hard, long pillows, one at either end of a couch, add to its trim, tailored effect. These should be stuffed with hair, not down, and practically form arms for the couch.

Some Tuxedo sofas are very good looking and become excellent full width beds when needed and hence make a very good choice for the living-bedroom apartment. They are so well made nowadays that the same springs are not used for the couch that come into play when the bed is opened, so the wear is distributed and the springs do not sag.

And there is the day-bed, which is inexpensive, and good looking. It may be bought with a mahogany or maple finish in a Colonial design, with a spring and cushion top to fit. A decorator, who lives in a one-room apartment shows with pride her charming day-bed of walnut, in simple lines, covered with chintz with a black background having a quaint straggling design of fruit and flowers in apricot, mauve, old rose, and dull blue, with leaves of a most decorative jade green. This cover is bound with green glazed chintz, and on the bed are square chintz cushions, some covered with apricot, and some with jade green. Against a wall with a natural linen-colored background, the effect is very distinctive.

TABLE MUST DO DOUBLE DUTY

The next piece of furniture to be considered is the table. If the room has a kitchenette, and you intend to prepare meals here, this piece of furniture, like the couch, must do double duty. There are marvelous tables for this, having tops which open out into a surface large enough for six or eight people to dine around. Either a sturdy gate-leg table or a Duncan Phyfe reproduction with charming lines is a delightful solution of the double duty table, and you cannot go far wrong with either.

A secretary desk is, I think, the best purchase that one can make for a one-room establishment as it provides a writing surface, pigeon holes, and three or four deep drawers for storage. For one person, or even two, all necessary linen may usually be kept in the three lower drawers, leaving the top drawer for the flat silver. In the top compartment books may be placed and the whole effect of the secretary does a great deal toward furnishing the room. Colonial models in either maple or mahogany are very good looking.

CHAIRS ARE IMPORTANT

Chairs come next, and they are important. There is no piece of furniture which has a more personal appeal than the big, comfortable chair into which you sink when you get home at the end of a hard day. Do be extravagant on this article of furniture, anyway. Scrimp and save until you can afford to buy a really good, well-built, comfortable chair. And, as soon as you can afford it, add one or two more good models. A wing chair adds a touch of dignity to a room and is very comfortable, especially if you have a small footstool before it. Straight chairs are necessary if the room is used as a dining room, and one of these will do duty as a desk chair also. Ladder-backs or Windsors usually have good proportions and fill these requirements handsomely.

Several small tables add greatly to the comfort and convenience of your room. You will need one or more beside your couch, and others by your armchairs. Books, cigarettes, compotes for candy, and jars or bowls of flowers may stand on these tables, adding greatly to your decorative effects. End tables come specially designed to stand by couches, small oval butterfly tables are delightful, and low incidental tables look well in any room.

For a one-room home, table and floor lamps are best for daily use. There will probably be an overhead light and side lights, but do not use them any more than you have to as the aspect of the room is so much more charming under the subdued rays of portable lamps. Of course, for entertaining, especially for card parties, you will need more brilliant illumination.

Floor lamps are useful to stand back of (Continued on page 222)

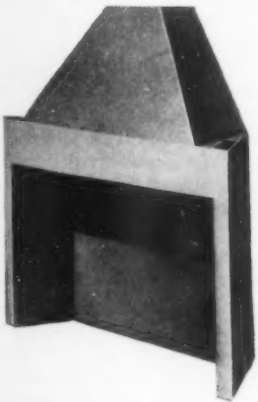
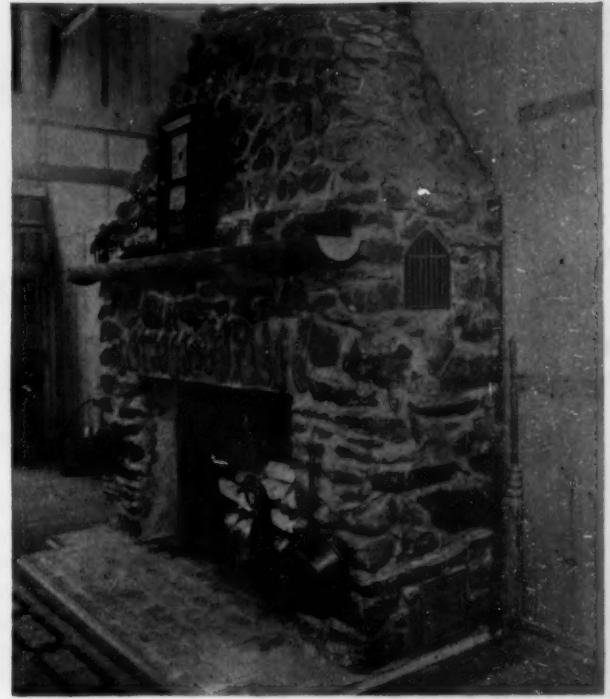


A day-bed that is inexpensive, good looking, and very appropriate for a one-room house. (Courtesy, Lord & Taylor)

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Fireplace Perfection

is not a matter of cost but of method



WHETHER a fireplace cost hundreds of dollars or be of the cheapest possible construction, it will positively give double heat, without smoke, if it is built with a Heatilator.

This we fully guarantee. You simply can't go wrong if you use the Heatilator method of construction. You will be sure to avoid the things that so often make ordinary fireplaces of no practical value.

The Heatilator practically pays for itself. As it is a complete unit up to the flue, savings in damper, firebrick and con-

struction nearly cover the purchase price, while fuel economy gives a distinct saving. And this saving is even larger in camps everywhere and in small homes in mild climates, where the heating efficiency of the Heatilator fireplace makes unnecessary the purchase of stoves and furnaces.

There is nothing in a room that adds more of cheer and comfort than a fireplace that burns without smoke and which really heats. Build your new fireplaces or remodel your old ones with Heatilators and make perfection certain.

The Heatilator is a double-wall metal form around which the masonry is laid—according to any architectural plan desired. It surrounds the fire with an extra heating chamber which takes in cold air and sends out warm air, through grilles placed in the mantel or even in adjoining rooms. The additional heat thus gained equals that of a warm-air furnace register. Smokeless operation is guaranteed plus double heat from the same fuel. Made in many sizes. Write for particulars and nearest dealer's name.

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Devon No. 100

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And when you study the average American home, who can question the accuracy of the above statement? It is such a simple thing to conceal old-fashioned radiators and, in so doing, add immeasurably to the charm of a home. Hart & Cooley radiator enclosures offer the simple means. Not only will you find them truly decorative pieces of furniture, but because they are designed and constructed by men with long experience in the heating field, they are truly efficient. Their air-insulated tops make them practical as window seats or tables. They can be relied on to direct efficiently humidified air into the room at the "living level".

Unlike less sturdy enclosures, they will not give under heavy weights, due to their bolted angle iron construction. Adjustable rubber-tipped feet prevent the slightest rattling and guard against scratched floors. Then, of course, they can be absolutely relied on to protect walls and hangings against radiator smudge—a big saving in redecoration expense.

Hart & Cooley radiator enclosures can be obtained in a wide variety of designs—in sixteen beautiful colors and twelve natural wood grain effects. If you will fill in and mail the coupon below, we will send you, gladly and promptly, an interesting and well illustrated booklet which will give you full details.

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THE HART & COOLEY MFG. CO., NEW BRITAIN, CONN.
EXPERTS IN HEATING EQUIPMENT FOR 25 YEARS

A comfortable home in one room

Continued from page 220

your club or wing chairs, behind tables, or by your piano, if you have one. The selection of lamps requires careful thought. Too many people think the shade of a lamp should be brilliant and the lamp base dull in tone, when the exact opposite is much more charming. You may have as bright a lamp base as you wish, in fact this is a good way to bring color into the room, but let the shade be softly neutral. As red absorbs light it is not a good color for a lamp shade but, alas, it is often used. Even a soft rose tone is much better used as a lining or interlining than as an outside cover for a shade. Soft tan georgette pleated and made up over cream or pale pink is delightful.

The room is now taking shape. We shall assume that we have attractive walls, either painted in a neutral tone, or papered with a small, self-toned design of wallpaper. With these we have a neutral floor covering or interesting small rugs placed to good advantage.

The couch is made up, with pillows invitingly piled on it, the secretary is in place, the books housed. Easy chairs, with shaded lamps by them invite relaxation. We still need draperies, pictures, and accessories.

DRAPERIES

For the draperies there is the widest range in texture, color, and price. Theatrical gauze, the ever popular fabric, is now for sale in a new line of colors and comes also with wool embroidery, both allover, by the yard and in bands which may be used for tie-backs. Many of the voiles and marquissettes will do double duty, for if they are hung full enough no over-draperies are necessary, although a room usually looks better for them.

For the complete and proper equipment at the windows one should have simple glass curtains hung full and straight with over-draperies which may be just decorative and looped aside with tie-backs, or more practically attached to rings to be drawn as twilight approaches. Chintzes, reps, wool voiles, printed linens, velvets, brocades—whichever you choose will depend on your scale of furnishings, and the amount of money you wish to spend. A shaped valance adds a great deal to the decorative value of the window draping.

If your room has a restricted outlook into a courtyard, or of just a drab vista of roofs and chimneys, your golden opportunity for the introduction of color and interest is through your draperies. Chintzes may bring a veritable flower garden into the room, and a delightful one, too. To a sophisticated city dweller the sight of gay flowers on curtains and cushions glowing under the light of shaded lamps or dancing firelight gives almost as much pleasure as a view of a real flower garden, sun-drenched and scented. Anyway, it is the city dweller's substitute and must be accepted and planned as such.

Long draperies may or may not be lined, although lined curtains wear about four times as long as unlined ones. For chintz it is not always neces-

sary to do this as the light coming through the fabric is quite charming, but heavier materials should always be lined. Linings may be made of upholstery sateen which is wide and wears well. It should always be neutral in color, cream or taupe which harmonizes with everything being the usual tone employed.

PICTURES SHOULD BE SUITABLE

The pictures that you will display should be those suitable for a living room, and never those personal ones which should be in evidence only in the privacy of a bedroom. One fine picture or wall hanging over the couch will add balance to the room. If you decide on a wall hanging it is not at all hard to make one yourself as odd lengths of beautiful fabrics may be bought at sales. Try to get a breadth wide enough so that you will not have to piece it, although piecing does not detract from its beauty, for you may always cover the seams with metal gimp. It is, however, less trouble to make a plain hanging. It should be lined with sateen, and interlined with cotton flannel if the fabric is thin. The edges may be turned toward the front and then covered with metal gimp or, if you are willing to spend the time on it, they may first be bound before the gimp is put on. The metal gimp must be basted on very carefully, not too tightly, and with neatly mitred corners. Then it is caught down on both sides with stitches as nearly invisible as possible. It may be hung by flat loops of the gimp, or by rings sewed on at six-inch intervals on the back and run on a rod, which in turn is suspended from the picture molding. If light weight, the hanging may be thumb-tacked to the wall.

A much less expensive hanging may be made of a breadth of cotton toile de Jouy in an interesting design, possibly a reproduction of an old French historical scene, or a breadth of colorful chintz simply finished with a glazed chintz binding in a contrasting color.

Block prints in color or engravings, etchings, and old prints in black and white are all good in a one-room apartment, as they have distinction and individuality. They should be framed in narrow black frames and, if small, hung in groups.

ACCESSORIES

Book ends, ash trays, vases or jars for flowers, and bowls or boxes for cigarettes will complete the list of usual accessories, and these should bring in and play upon the colors used in your draperies and cushions. In this way the color scheme holds together and blends harmoniously.

The one-room apartment should by now have become a home, and, when your draperies are drawn, your shaded lamps lighted, and you have relaxed in your most extravagant chair with a favorite book in your hand, you should be able to look around complacently and feel that there is no discordant note—all is harmonious in your small, but perfect, kingdom.



Closes a warped garage door tightly

We have all had the experience of pulling and tugging with a stubborn garage door. Long exposure to the weather usually warps it so that even if the bottom of the door is in place the top is still out of line.

Here's a Garage Door Bolt which will correct this annoying condition. Notice the curved ends of the rod at top and bottom. When the handle is swung to the right, these curved ends pull the most stubborn door into place. The handle drops behind the projecting plate, locking the door.

Ask your hardware dealer to show you Stanley Garage Door Bolt No. 1053. If he doesn't have them in stock he will be glad to get one for you. This improved Door Bolt has taken the place of antiquated door equipment on thousands of garages all over the country.

THE STANLEY WORKS
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STANLEY HARDWARE



Make your garden a summer living room!

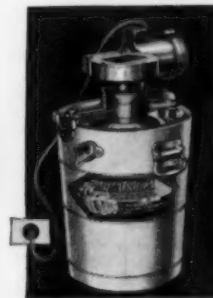
Just imagine a stretch of inviting lawn bordered by bright beds of blossoms and set about with gaily colored tubs, tubs made comfortable with cushions to sit upon, tubs with table tops attached, for books or tea.

Picture a line of little trees, planted in Rainbow Tubs of chinese red, Nile green, azure blue, or canary yellow. They can be carried to your Sunroom or another garden nook, at will. See how much charm you add by including a bird bath, sun dial, or winding walk of colorful iron stepping stones.

These unusual pieces are just coming on the market. If your dealer does not yet carry them, we will gladly send delivered prices and complete information so you can buy direct from the factory. Mail coupon below for the new "Rainbow Book of Gardens" to get delightful suggestions for making lawn and garden nooks more livable and interesting.

Do You Remember Your Seventh Birthday?

The treat that mother had for you? The rich creamy home made Ice Cream. No other Ice Cream tasted like Mother's. The secret was in the home blended ingredients, and home freezing. An Alaska Electric Freezer makes it easy to have home frozen ices. Write for booklet of delicious recipes for making home made Ice Cream.



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THE ALASKA FREEZER CO., INC., Dept. A5, Winchendon, Mass.

We are interested in:

- Rainbow Garden Furnishings Alaska Electric Ice Cream Freezers

Please send booklet and name of nearest dealer

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- 2—They let in more light
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You will want the latest ideas on screening in the new booklet, "Screens that beautify and modernize," published by the Association of America's foremost screen designers . . . free to readers of the American Home. Use the coupon below.



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An Hospitality Secret from Old New England!

Imagine the succulent flavor of steaming turkey and cranberry sauce, or hot syrup trickling slowly over buttered flapjacks. They knew good things in old New England; good things in food and good things in furniture. The Colonial Dining Room has been a symbol of hospitality and cheer for more than two centuries.

Even to-day, the maples of these New England Hills are still being fashioned into polished furniture—beautiful reproductions of the choicest pre-Revolutionary pieces.

Details of this Colonial Dining Room, and other attractive room arrangements, are yours for the asking in this new booklet "The Beauty Secret of a Colonial Home," telling of distinctive furnishings and quaint decorative ideas. It is published through the courtesy of two of New England's oldest Furniture Makers, and can be obtained by mailing the coupon below.



This graceful Lowboy is ideal for silver and napkins. Authentic in design, beautiful in finish, and reasonable in price, these Salisbury reproductions will be treasured among your choicest possessions. You will love the solid maple "Rudder Table" whose spacious leaves will raise to comfortably seat eight people.

These "Candleback" chairs with quaint candlestick and pretty red candle perched on the chair back are completely described in this booklet. Their lightness and grace makes them especially suited for bridge and other impromptu affairs.

Salisbury

COLONIAL FURNITURE

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Please send free Booklet "The Beauty Secret of a Colonial Home" Please advise where I can purchase.

Name _____ Address _____



A new "Uncle Tom's Cabin" printed on linen by Robert McBratney Co. (Courtesy, Lord & Taylor)

Our spring fabric fashion parade

Continued from page 189

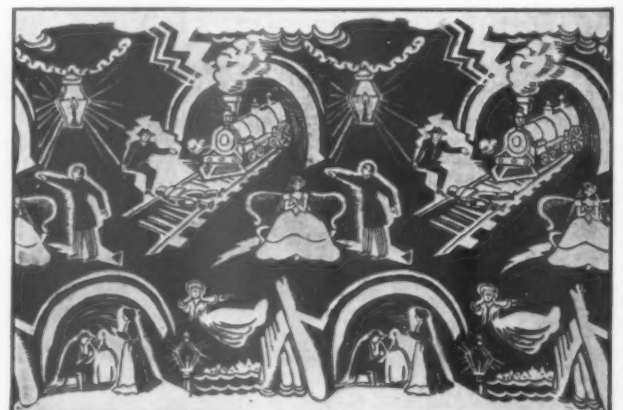
furnish an easy base from which to work out the scheme for the rest of the room. The sheen of the satin contrasts pleasantly with the shimmer of the more fragile net, while the color and design become more elusive in the glass curtains. Pick out one of the base colors for upholstery, relieve it by another, perhaps, and your color problem is over.

So much for the new ensemble idea which is finding its way from the dress world into that of fabrics, and on to the new design ideas in cretonnes and chintzes! These seem to be historical; charming, certainly; entertaining, usually; and in some cases perhaps they represent a new method of interesting the modern child in the social aspects of history! Chosen from the lines of three different manufacturers, these designs would seem to indicate a trend. Look at the S. S. Marmora with its inadequate looking wheel, its deck with gay marquee—churning along on top of a handsome Victorian flower bed. And the sturdy little steam engine with its huge carrier, its preposterous mud guards, and its driver's seat behind the dashboard. In semi-glazed or plain chintz this comes in a rather conservative color range, a good choice for curtains in the masculine rooms of your house. Pleasant blues, reds, greens, golds on backgrounds of gray-blue, tan, mustard, black, or

rust-red. The water is refreshingly blue, by the way, with the whitest of white waves. These steamships and the steam engines made their first appearance incidentally in a Currier and Ives print.

It seems like an absurd idea, before you see it carried out, to copy the design of an old Nottingham lace curtain (the kind that used to hang in "best" parlors) on chintz. But it is really charming, due largely to the clever color planning by a house that stylizes its fabrics carefully. The background of the material which looks so much like the mesh of the curtain in the photograph, is really a network of fine biege lines on different colored backgrounds, while the naive, stilted design is printed in soft colors—rose, tans, browns, yellows. If with some of the rest of the world you are "going Victorian," and cannot quite stand the idea of an authentic Nottingham lace curtain, try this substitute. Or even if you are not going Victorian, and want a quaint, rather amusing fabric for any room, this will please you. No, our attics certainly are not safe from the designers these days!

Not only lace curtains, but old bedspreads have been dug out in the search for interesting designs. In the case of the rose and strawberry pattern, the scraps found in a quilt in a Cape (Continued on page 228)



"After Dark" moves from an old Hoboken theater to printed McBratney linen, designed by Dorothy Trout

WILL DURANT'S STORY OF PHILOSOPHY and 83 OTHER BEST SELLERS

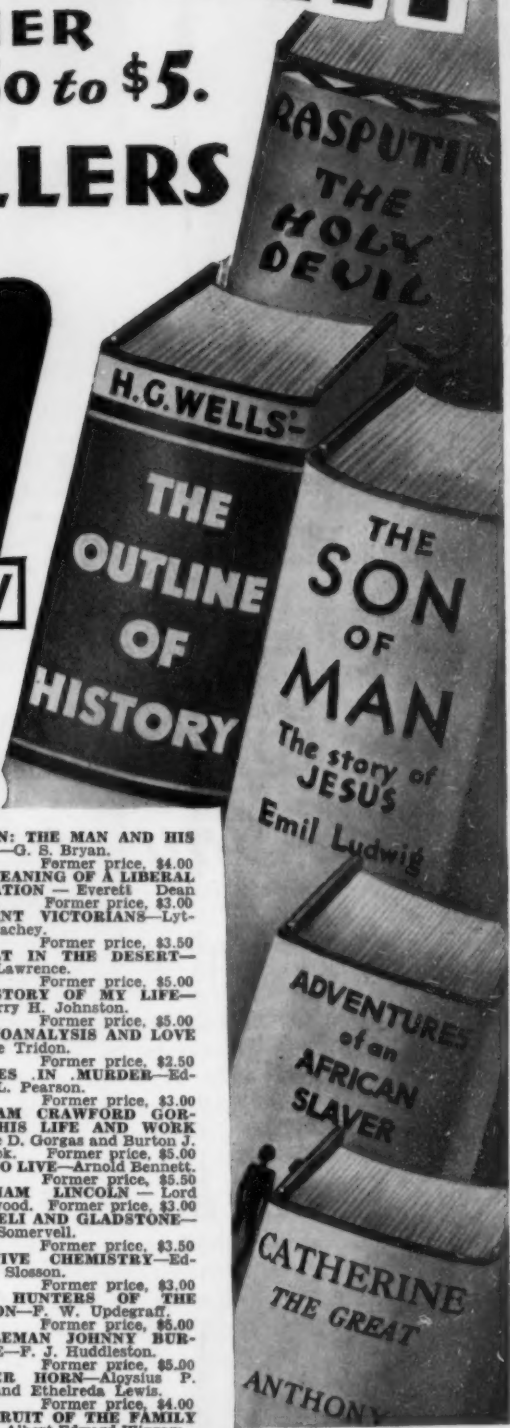
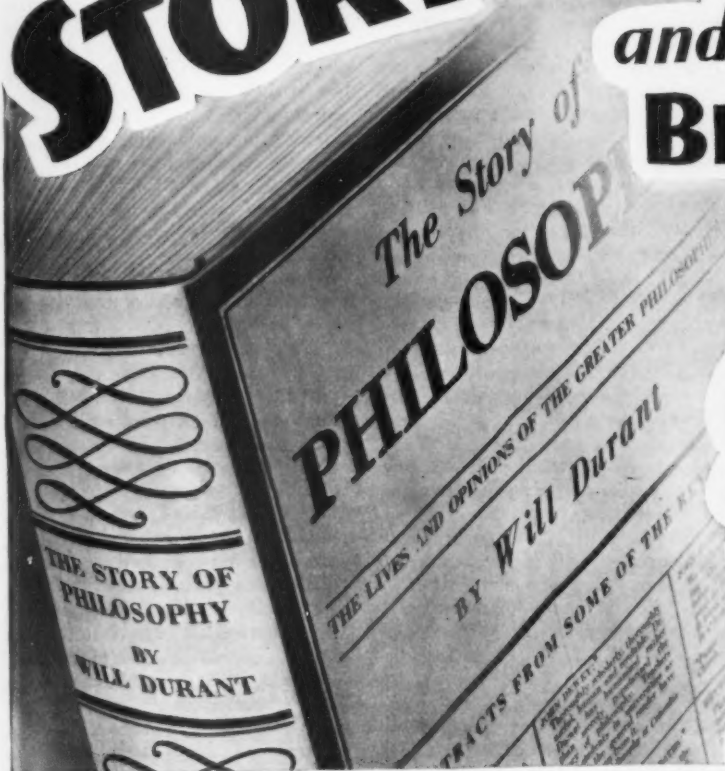
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Star Dollar Books are each 5 1/2 by 8 1/4 inches; full-sized books, handsomely bound in cloth, beautifully printed from plates of original \$2.50 to \$5.00 editions. Many with illustrations. A library of best sellers now within reach of all. See them at your bookstore or select from the list below and send the coupon for 5 days' approval.

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63	64	71	72	75	76	77	79	81	82	83	85	86	87
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Ordered by William Byrd,
Virginia land-owner, from
Perry & Lane, London, 1690.

I am now building all September & desire you to send me Curtains with all manner of furniture, chairs, table, looking glass to be handsome and neat, but cheap; also 1 doz. best Rushbedstead chairs, 4 small, 1 mullion and 1 large oval table.

Mr. Byrd Would Not Import Today

THUS lavishly did Mr. Byrd furnish his house with items bought from overseas. Undoubtedly his neighbors envied him, they with their home-made things. How times have changed! Today, the starkly simple furniture of Mr. Byrd's neighbors is combed from attics, antique shops and auction sales, eagerly bought by ardent collectors at whatever soaring price.



SEWING TABLE No. 5070
A faithful copy—in line,
wood and workmanship—
of the sewing table of the
Early American period
days. Table top, as shown,
is 16" x 20".

Unconsciously, the wood-working craftsmen of those early days created a style, lasting because inherently beautiful; exerting today its persuasive appeal because it expresses so perfectly in native American woods the simple, honest, rugged temper of the times that gave it birth.

In the Stickley shops at Fayetteville, N. Y., painstaking craftsmanship faithfully copies the priceless originals collected there, in order that a nation-wide longing for Early Americana may be inexpensively satisfied.

You are cordially invited to visit the Stickley collection of Early American furniture—and the work-shops—at Fayetteville, N. Y. Meanwhile may we send you our free illustrated booklet F?

Early American
built by
STICKLEY
of Fayetteville

Our spring fabric fashion parade

Continued from page 224

Cod attic had to be ripped apart and pieced together again to complete the design, which is reproduced here in this unusual chintz. Do not be misled by the seemingly strong contrast in the background, for all the colors are soft and faded looking—gray-green and tan stripes with a thin line of jade green to give accent; the flower and fruit motifs in quiet gold, red, and green.

The libraries as well as the attics have been ransacked for inspiration. And here comes a new version of Uncle Tom's Cabin—a one-color print on real linen, unbelievably cheap, in sepia on tan, green on natural, and black on natural. Pig-tailed Topsy, Eliza negotiating her famous ice passage, rheumatic Uncle Tom with his banjo, Simon himself, and little Eva resting on a fleecy cloud—they are all here, weaving their way about in a design that has rhythmical movement as well as picturesque value. The designer of this fabric, Dorothy Trout, an artist and a teacher of art, has done also two others for this same manufacturer, one harking back to *Moby Dick* and the other to *After Dark* for inspiration.

New design ideas spring up abundantly in every fashion fabric show, but new techniques are rare. There are two illustrated—thoroughly successful from any point of view. First, is the velvety, soft design of flowers in diamond pattern on chintz. Definite line replaced by a hazy outline and shaded masses bring something of a third dimension into the design, an effect never before achieved even in hand-colored fabrics. The backgrounds are soft blue, red, rose, or plum, with the design in misty white, beige, or pastel. The secret lies in a photographic engraving, a new printing process.

The other new technique is that of printing on rayon satin, illustrated

by the fabric with the Diana motifs, a graceful Diana with several agile playmates. This process is important because it produces a sumptuous looking fabric, heavy and lustrous, of great decorative value, at a ridiculously low price. Have you been searching for a not-too-expensive tapestry or damask for a wall-hanging? Try this slightly gathered, and hung from an iron rod. Do you want impressive hangings for those long, French windows which seem to cry for elegance.

We are now left face to face with a few "modern" fabrics that are not really so modern after all. They are illustrations of good design in the modern spirit, good enough to live amicably with the new or the old. The diamond pattern used on the glider chair shown on page 188 is effective because the geometrical motif is given variety by the addition of a formalized leaf design and movement by the continuing diagonal line. The inspiration really came from an old German wallpaper.

The leaf, fruit, and berry design is tempting, isn't it? It should be since it was created by one of our most interesting designers, Vally Wieseltier, whose work always has personality. Although this fabric appears with brown, blue, and black backgrounds, my favorite shows it with white or cream, the motifs being worked out in clear flame, yellow, blue, and hyacinth.

Last of all—two new stripes. One in linen with lively flecks of white on stripes of red, green, and blue—hardy color combinations for out-of-door or sunporch furniture. The other is a more elegant rayon Shiki, in well planned color combinations, with blues, plums, tans, or grays dominant. A lovely material formal in color and weight, informal in texture, it can be used equally agreeably in informal rooms or more dignified ones.

Light—imaginatively handled

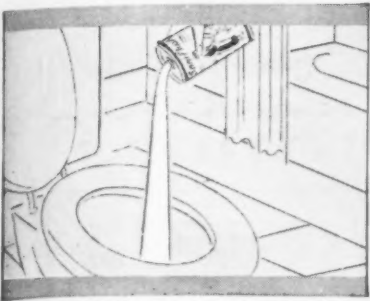
Continued from page 175

supplemented by rows of lamps placed in niches in the wall or behind some important or strategic architectural feature of the room. Lamps, too, glow with color in the base as well as beneath the shade. Floor and bridge lamps are made of burnished metals that serve as reflecting surfaces as well as mere fixtures for the light they hold.

In lighting, as in other phases of decoration, it is not necessary to adhere in every detail to the period of the room. In fact, we are getting away from the strictly "period" room and find pleasure in blending several periods as well as in combining several fabrics and colors in the one room. Lamps, too, should be diversified to avoid monotony, yet each lamp must appear to be part of the original scheme as well as designed for one special place in the room. And, if you will try to keep the lamps away from the center of the room as much as possible, you will find it much easier to knit them into the background and make them appear, as do your wall fixtures, an integral part of the architecture of the room.

In closing, may I ask you to reread that portion of Mr. Haskell's plea wherein he tells us that light can be brilliant, intimate or meditative, and made to cast fantastic or tranquil shadows. And having read, give long and careful thought as to just what you want your light to do for you, then select your fixtures and use your light accordingly. If your house is an informal, gay little one, make your lights twinkle merrily and hospitably. If your house is formal and dignified in feeling, make your lights add dignity to those things you already have instead of using many, ineffective little splotches of light all over the house. If you are doing over your living room or library, use light that will be meditative and tranquil not forgetting, of course, to provide adequate light for reading. In your bedrooms the light may be intimate and softly glowing. Let us not think of electric light as something merely utilitarian, but as something thrilling to play with, as the marvelous decorative opportunity that it is—if handled imaginatively.

All germs... all dirt...
swiftly FLUSHED away

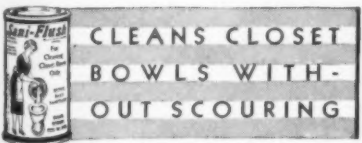


NO LONGER need the modern housewife perform that most unpleasant of all tasks—scrubbing an unclean toilet bowl.

Such a thing is old-fashioned now. Sprinkle a little Sani-Flush in the bowl, follow the directions on the can, flush, and watch the toilet grow spotless before your eyes—snow-white. And you have the satisfaction of knowing that this simple operation provides perfect sanitation, killing all germs, eliminating all odors, and reaching even to the hidden trap which no brush can touch.

Free yourself from household drudgery. Sani-Flush is sold by grocery, drug and hardware stores in convenient punch-top cans, 25c; in Canada, 35c. The Hygienic Products Co., Canton, Ohio. (Also makers of MeLo—a fine water softener.)

Sani-Flush



CLEANS CLOSET
BOWLS WITH-
OUT SCOURING

WANTED: Representative in each town for new easy selling proposition to home-makers. Generous commissions, bonuses and sales helps supplied. Especially attractive offer to club or civic workers. Apply Box 30 % The American Home, Garden City, N. Y.

Burn Your GARBAGE and RUBBISH in the



Every scrap of rubbish—every bit of garbage can be deposited in the "Genico" as it accumulates. How neat and sanitary! Absolutely no odor while material is drying or burning for the downdraft carries it off through the flue.

When the "Genico" is full—it holds two bushels—simply lift the cover, touch a match to the contents and let it burn.



The casing is painted a lovely green with black and nickel trimming, making the "Genico" a decoration as well as a necessity to any modern basement. It will last a lifetime.

Sold by oil burner, home utility dealers, and plumbers.

Write for booklet

GENERAL INCINERATOR CO.
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A Reeveshire Product



When you buy genuine
French Provincial
Woven Wood Fence
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lasting decorative charm—

A boundary that becomes part of the natural beauty of your estate as are its trees and shrubbery. Time turns its graceful, slender palings (made of live chestnut saplings) a soft silver which blends into a landscape as fittingly as its design adapts itself to any type of architecture.

a screen that's protective—

A decorative screen that does sentry service between your property and the lights of the highway, the trespassing gaze and contact of the outside world, adjoining properties which conflict with the harmony of your estate.

and permanent economy.

Economical in that its initial cost is its last! Time does not weaken it...its sturdiness remains intact. Water cannot rust the Copperweld rust-proof wire with which its staunch palings are woven together. Changing fashions do not affect it. It is always a thing of beauty, utility and durability.

The French Provincial Woven Wood Fence comes in five foot sections in heights 18", 3'10", 4'11", 6'6", 8' and 10' and is imported solely by Robert C. Reeves Co. Look for the name *French Provincial* on every section.

Guaranteed for 15 years

Robert C. Reeves Co.

Established 1860

101 Park Avenue New York City

Largest and Oldest Distributors of Wooden Fences
in the United States

Write for Descriptive Booklet "Fence and Defence"

No wonder you froze!

IF your radiators were half dead the past winter, it was probably because the cold air couldn't get out to let the steam enter and heat all the sections. Cadwell No. 10 Air Valves remedy this. They allow the cold air to escape and the radiators to heat from end to end. Put Cadwells on all your radiators now, while those shivery days are still on your mind; otherwise you may forget it.

Even With a Hot Fire radiators are often only partly hot because, when steam enters, it forces the cold air to the end where the air valve is. If that valve is worn out, clogged, or poorly designed, it will not let the cold air out—and until it can get out, part of the radiator remains stone cold!

The Cadwell stays open until all the cold air is expelled, yet is so sensitive that, at the first touch of steam, it shuts up tight and the radiator heats completely. If your dealer can't supply Cadwells, we will send them for \$1.00 each postage prepaid. Anyone can attach them. Guaranteed for five years.

The Beaton & Cadwell Mfg. Co.
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\$1
Anywhere in the U.S.

Allows the Radiator to Heat From End to End

For Steam Heat Only

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If your dealer can't supply you with Cadwells, send us his name, and we will send you one or more valves for \$1.00 each. Send no money; merely pay postman.

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Devices for American Homes

Conducted By
Shirley Paine

Readers are cordially invited to order any of these devices. Just send a check payable to Shirley Paine, % Doubleday, Doran & Company, Inc., 244 Madison Avenue, New York, and they will be ordered from shop or manufacturer. No stock is carried here and, unless specified, transportation charges are collect.

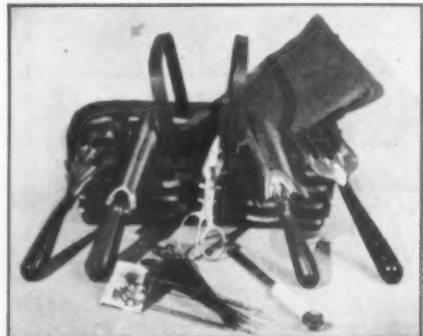


JUST about the latest in closet space-saving devices—the new Fulcrum hanger to attach on wall or door. Made of finely buffed nickel plated heavy gauge steel in 3 sizes: 6, 8, and 10 spaces; \$1.40, \$1.65, and \$1.95 respectively, postpaid USA. Every American family has urgent use for at least a pair in these days of smaller space and higher rents!

EVERY housewife who hems a skirt has use for one of these skirt gauges which mark both sides with a touch of tailor's chalk to insure perfect hanging. Gauge against white background does not swivel, 65¢ p'paid USA. Gauge at girl's right has rule which extends beneath skirt and metal swivel rod holding chalk for easy marking; \$1.65 p'paid USA.



HERE'S the cleverest all-steel garden set I've seen, \$5 complete! Tool handles in bright colors. Set includes bright blue and yellow straw basket, trowel, transplanting trowel, spading fork, weeder, pruning shears, straightening line and steel pegs, kneeling pad, 12 steel markers. Smaller set of trowel, spading fork, weeder and transplanting trowel, \$1.25. Both express collect.



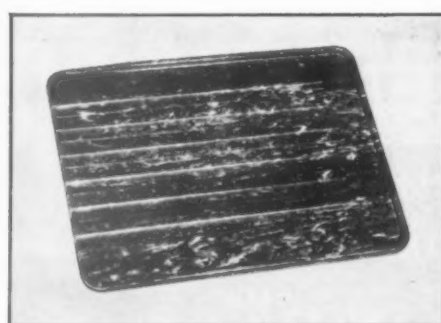
THREE real brooms in nice gift boxes. *Left to Right:* "Handy Andy" auto broom; handy handle for out-of-the-way places; no soiled hands; for fine upholstery or snow on windshield. "Flamingo" hearth broom in brilliant hand-tinted colors. "Round Robin" sturdy efficient whisk-broom; red, blue, green or yellow. Best construction. \$1.25 each, or 3 for \$3, post paid. USA.



FOR changeable spring days when colds, sinus or bronchial troubles revive, this electric inhaler gives relief. Plugs in light socket, put in the inhaler balm, or whichever you find most beneficial: Vick's, benzoin, etc.; press button and soothing vapor is made. \$2.25 p'pd. with tube balm.

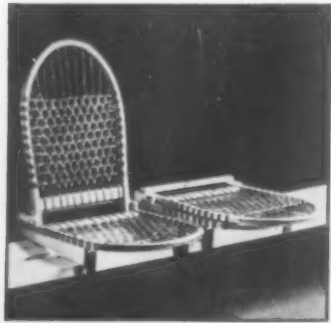


THESE four glazed pottery dishes in attractive colors have neat covers for use in a refrigerator or on kitchen shelves. Housewives will appreciate the need of keeping things covered to prevent certain odors from contaminating milk, etc. Largest holds about one pint. Choice rose, green, cream or yellow glaze. The complete set postpaid east of the Mississippi is \$2.



AN INSURANCE policy against broken glassware and china, done in tough long-lasting rubber in smart marble patterns: sea green & white, buff & black, pink Tennessee or verde antique. Raised edge on 3 sides, sloping drain grooves. Passed by *Modern Priscilla*. Long lasting; attractive. \$3.50 express collect.

LIGHTNESS, strength and long life combined with smart lines, three newest models of the now famous Sno-Shu chairs chosen by Admiral Byrd for his Antarctic expedition. Finest selected ash and snowshoe rawhide; unaffected by weather, special slide feet, can't injure lawn grass. This "Veranda" model without arms \$15, back folds down. *With arms* (as shown), does not fold; \$17.50.



BOATMAN" model, swivel hooks at front hold securely to thwart. Folds 15 x 20 x 4"; wt. 3 3/4 lbs. \$7.50.



CANOEMAN" model equally good for canoes or speed boats. Straight rocker rails protect planking by even distribution of weight. Used by hikers for pack carrier! Fine for beach or fireside chair. In a canoe keeps weight low. Seat 6 1/2" from floor. Folds to 15 x 24 x 5 1/2". Weight only 4 3/4 lbs. \$9 each. *All packed in individual cartons. Prices FOB Maine factory.*



Residence of Howard Swallow, Esq., Danville, Ill. Lewis and Dougherty, Architects. Concrete masonry walls and partitions; lower story faced with stone; upper story, half timbered portland cement stucco.

Concrete simplifies construction for home builders

The man about to build a home will find in portland cement concrete a building material that successfully meets almost every requirement.

In foundation and basement floor, the use of concrete is simply a matter of course. Above ground, almost any kind of a wall you may desire can successfully be built of concrete, in one form or another. Concrete masonry units, now

available in many pleasing shapes, build rugged firesafe walls of rare beauty and distinction at surprisingly low cost.

For the floors? Unquestionably, concrete—particularly the first floor, to isolate basement dust and fire hazard. Concrete floors add refinement and provide a rigid base for partition walls. They can be colored, if desired, and patterned, or covered with any material.

For the roof, concrete tile is colorful, long-enduring, firesafe. Build with concrete, and your home will be far more beautiful, more comfortable, more enduring—and you will very likely save money.



Residence of Harry Angle, Chattanooga, Tenn. Percy Shepherd and Chas. B. Sears, Architects. Concrete masonry walls faced with buff portland cement stucco.



Residence of Dr. Walter Dickson, Houston, Texas. G.O. Thiel, Architect. Concrete masonry walls, faced with gray portland cement stucco.

Consult your architect and the maker of concrete products for information

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Concrete for permanence and firesafety

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HELPS for your Summer Home

Each ready to lighten the work or increase the fun in your house or garden. Some save toil, some save time... all are interesting, distinctive... like the hundreds of other things offered by "The House of Fine Housewares"... aids to housekeeping, gardening, and entertaining you won't find elsewhere.

Utility Box

Contains the seven essential tools for household odd-jobs, with a generous assortment of hooks, thumb tacks, nails, screws, etc. . . \$7.75
Saves so much bother, and helps keep things ship-shape.



Electricutter

Just place Electricutter on ice, turn on current, and you get a dozen perfect ice cubes in five minutes! In dark porcelain enamel, complete with chipper \$4.50



3 Wonderful Aids

Bean slicer—Turn the crank, and beans emerge thinly sliced. \$2.00
Pea huller—Feed peas into rubber rollers, turn crank. \$1.25
Bean stringer—Simply slide bean across the safety blade . . . \$0.60



Rice Ball

In this ball, rice cooks to suit connoisseurs. Each grain becomes deliciously soft and flaky, and is drained fluffy dry when ball is lifted out and hung up. Of aluminum, 6 in. diameter. . . . \$2.25



Garden Hose Faucet

A very gay touch for your garden or lawn. This dove-handled water faucet (interchangeable with ordinary faucet) is finely made of highly polished brass. . . \$7.50
Comes also in bunny, dog, horse, chandelier and elephant designs.



Luggage Rack

Holds bag or small trunk for packing—or tray for bedside breakfasts. Size closed, 7" 23" 22". Mahogany, walnut, white or ivory \$7.00
Lacquered, any color . . . \$8.50
Indispensable in the Guest Room



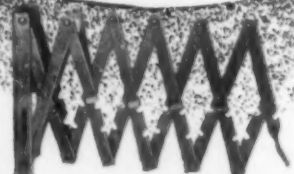
Kneeling Mat

Made in England of Chinese rushes; padded with water-proof bottom. \$1.50
Trowel or fork, 12 in. over-all . . . \$0.95
Trowel or fork, 20 in. over-all . . . \$1.00
Dibbler, 13 in. over-all . . . \$0.55
Tools of Sheffield steel with varnished ash handles.



Accordion Hanger

Keeps frocks or suits neatly, in little space. Fastens with two screws to wall or door. Holds 20 hangers. Height, 8 in. Pulls out to about 36 in. Closes completely. \$2.25
All metal, nickel dipped.



Send check, money order, C. O. D. instructions, or charge account references.
Delivery prepaid within 100 miles—to points beyond, charges collect.
(Write for our folder II "SMART HOUSEWARES")

Hammacher, Schlemmer

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Near Lexington Avenue ~ Phone: VOLunteer 4700

The fragile charm of glassware

Continued from page 177

one at a time and hunting the counters for reduced prices. Such care will reap a harvest of richer colors, more lasting decoration, and a lower percentage of breakage.

Both in high priced and less expensive glass there are certain trends appearing in the new tableware which add to its beauty and variety without outmoding the previous fashions. Thus green and amber promise to retain their popularity. Especially for spring and summer they are firmly established, for what is more appetizing than a salad on a green glass plate, or a luncheon set whose amber glass seems to trap and store the rays of the sun? In spite of this the newer current is setting in two very different directions—on the one side toward darker, richer colors and on the other toward crystal. Deep tones such as we see in precious fragments of Roman glass are coming back, curiously enough, just at a time when with us, as with the Romans of the Empire, glass is filling so many rôles hitherto held by china. Wonderful blues such as the Etruscans used are among the loveliest colors shown in the shops and there is a great range of shades. A very deep jewel tone resembles sapphire or lapis, a gay in-between shade is almost cornflower, and another is so pale that one wonders whether it is blue, or merely an effect on the light.

Many shops are featuring a descendant of the wonderful old ruby glass which was regarded as such a triumph of the art when Johann Kunckel perfected it in 1679 on the Isle of Peacocks at Potsdam. This too comes in a variety of shades, the best of which are deep wine tones, very rich in effect when used in conjunction with dark oak furniture. Now as then true ruby is somewhat expensive, for the color is obtained by the addition of gold to the "metal." Nevertheless a really fine color can be found this season in sets where goblets and sherbets cost \$20.00 a dozen and other pieces are priced in proportion.

It seems that the ambition of glass-makers of the middle ages to create a substance indistinguishable from precious stones has revived, for still another jewel tone is in high favor—a glorious amethyst. Its most frequent and very attractive version is in the two-toned style which mounts an amethyst bowl on a clear crystal stem, priced at \$10.00 a dozen.

Indeed, the two-toned or two color idea is being carried out in all varieties of stemware and is finding particular favor because of the interesting combinations to which it lends itself in table decoration. Colors are paired with a certain daring, such as blue and amber or smoky green with amethyst, creating certain interesting problems in the choice of the accompanying china, flowers, and table linens. One of the most charming shown uses a clear bowl on a stem of twisted green (\$12.00 a dozen).

Giving a more formal air to a table than does colored glass, and heralded as the smartest among new effects is the combination of black and crystal. One design is called Millefleurs from the tiny flowers cut at wide intervals, and the shape is old English with its deep, almost stemless bowl and square, heavy foot. The bowl is clear, bright

crystal; the foot is black. In its ensemble this very good-looking glass recalls one of Lalique's creations, but because it is of American manufacture, the price is strikingly moderate.

It is possible to dress the dinner table entirely in the Millefleurs pattern, which includes several sizes of goblets, sherbet, large dinner plates, bread and butter plates, and cups and saucers. The glasses are \$1.24 each, the bread and butter plates 74 cents; other pieces are priced in proportion. A black bowl with lovely lines sweeping up to handles that recall the bow of an ancient galley can be used as a central table decoration (\$1.98) finding an ally in a graceful black glass comport (\$1.09). This set is especially effective with black and white runners or black and white tablecloth and makes a strikingly original table service.

The bridge set which many a present day hostess finds essential is also developed in black and crystal. The plain crystal sherbet and goblets stand on a low, scalloped glass foot. There are square black plates with scalloped corners. The service for four, including a handsome black cake plate, costs only \$4.96.

It is possible to buy at present really beautiful glass in excellent colorings for an absurdly low price. Europe has sent us some stemware in the old English shape with deep, cup-shaped bowl, very short stem, and wide foot. These are of excellent "metal" in smoked green or amethyst and will grace your table for 27 cents each! If you crave Venetian glass, there are low, well shaped bowls in green, amethyst, deep amber, and other shades that make lovely table centers. Venetian glass candlesticks in simple shapes are also beautiful in blue, amber, or green at \$5.94 a pair.

The finer sort of Venetian glass is, of course, always with us, or at any rate, winking tantalizingly from the shelves of shops. But only a few of the more fortunate among us can afford to pay the price for those fragile glasses whose stems are fish or for finger bowls in whose depths glass flowers lie heaped.

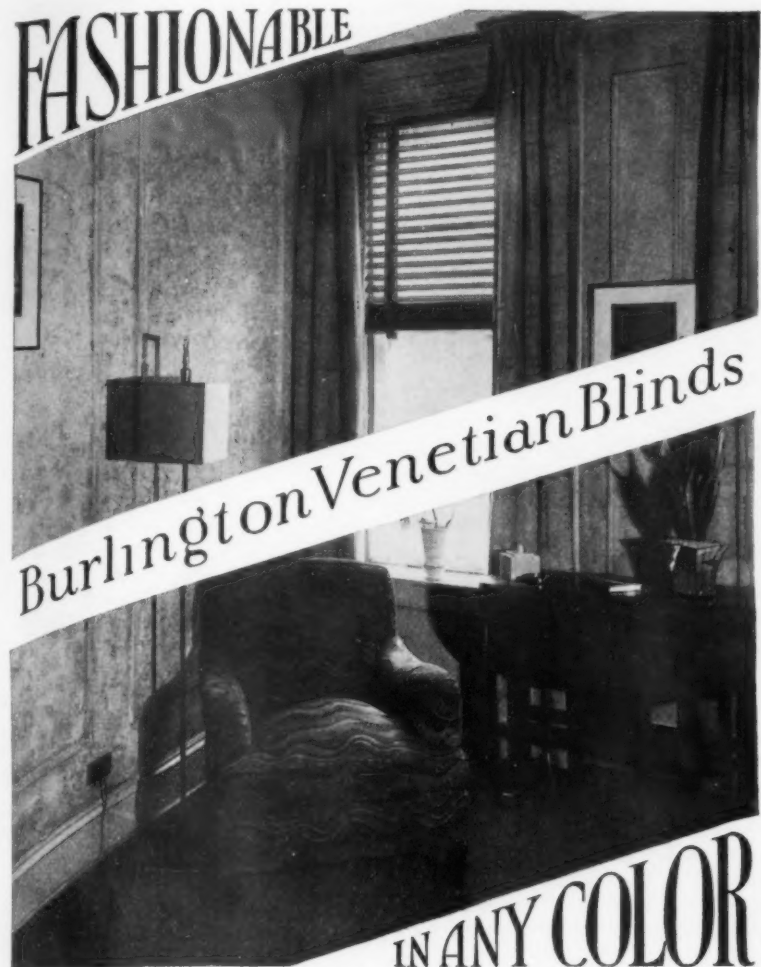
Heavily cut glass has recovered from the disrepute into which it fell in the Victorian era under the denunciation of John Ruskin. Among the newest stock of some shops are weighty glasses in color, cut so that the clear crystal forms a pattern recalling vividly the relics of great grandmother's day. In fact we are told that there are certain antique shops of shady reputation which are buying these pieces and selling them to the unwary as old and rare treasures.

There is some hand painted glass in the shops, delightful novelty stuff which suggests informal luncheon tables in its gay colors and simple shapes. A set of tumblers was particularly charming, each with pale blue rim and conventional nosegay of blue, orange, and green flowers. These range in price from 98 cents to \$1.24 each. We have tried to give some idea of the vast range from which the lover of beauty may select her table glass this year. For on the whole the pieces shown are beautiful.

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Burlington Venetian Blinds

IN ANY COLOR

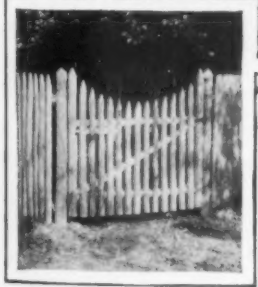
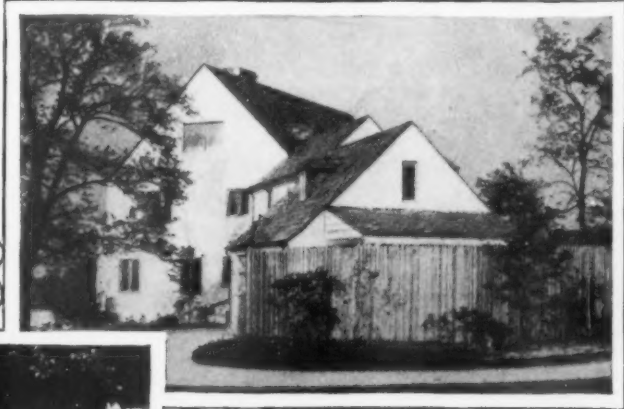


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Ask for Catalogue

BURLINGTON VENETIAN BLIND COMPANY

290 Pine Street, Burlington, Vermont



The most Beautiful Fence —but not the most expensive

HABITANT Good-Will is the most picturesque wood fence obtainable . . . lovely silver-tipped Northern White Cedar . . . spaced closely for beauty . . . built stronger for permanence. This fence is alike on both sides . . . that is why it is called Good-Will.

Habitant fence comes complete with posts all ready to set up. Never requires painting. Actually becomes more lovely with age. Priced reasonably for such fine fencing.

Write for illustrated booklet and costs of these and other designs, including hurdle, post and rail, picket and stockade fencing. Garden furniture, too, of the same enduring wood. Ask about Habitant erection service.

HABITANT SHOPS Incorporated 2 WASHINGTON AVENUE BAY CITY MICHIGAN

Sales Offices and Showrooms in 62 principal cities

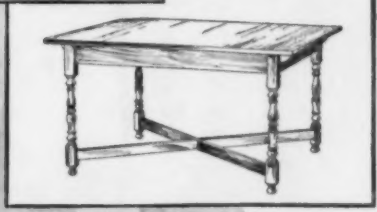
Look for the name Habitant Shops in your local telephone directory

HABITANT FENCE AND GARDEN ACCESSORIES

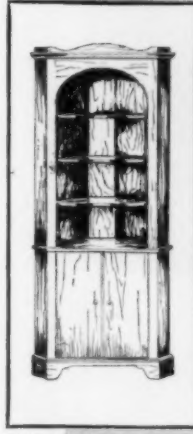
The Colonial table of the 17th century, with beautifully turned legs, and extension leaves which are kept beneath the table-top when not in use, has lost nothing of its convenience in the modern home. Moreover, it is a distinguished piece of furniture with a hard "Maple" or "Mahogany" lacquer finish that satisfies the most exacting demands.



Send for interesting illustrated booklet "Through Colonial Doorways" which tells the story of many other favorite Conant-Ball pieces.



No. 301 T



No. 309 CC

Corner cupboards were favorite pieces of furniture with our forefathers. . . . They still are when they are reproductions of the best types known to connoisseurs. The original of this cupboard was found in Farmington, Connecticut, and dates from 1740. As a background for pewter and china ware nothing is quite so proper as the Colonial corner cupboard.



No. 1531-2

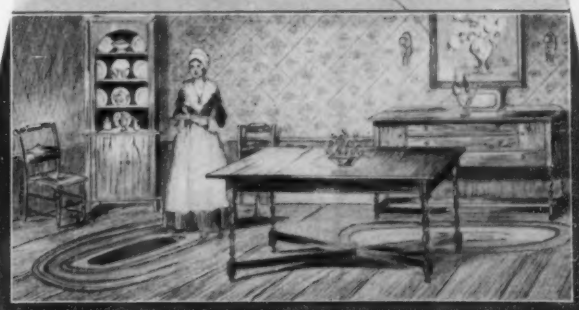
From humble origins the "Hitchcock" chair has won a place in the affections of many lovers of Colonial furniture lore. It is pre-eminently a comfortable chair, and makes an ideal dining-room chair.



No. 203 B

The Colonial buffet, with simple lines combined with elaborate turnings, adds dignity and style to the modern dining-room. It is spacious . . . commodious . . . complete. Note the beautifully turned legs . . . a feature that always provokes favorable comment.

GOOD TASTE in Dining Room Furniture is the ability to apply one's knowledge of style and fashion to furniture . . . Every piece of Conant-Ball Colonial Furniture has been selected because it conforms to the high standards set by the master designers and carries with it the authority of a classic.



CONANT-BALL COMPANY COLONIAL FURNITURE 80 Sudbury Street, Boston, Mass.

The costs of building a house

Continued from page 187



See how attractively an Upson Relief Ceiling has covered unsightly plaster cracks. This distinctive paneling . . . heretofore limited to expensive construction . . . can never crack or fall.

RE-cover cracked plaster with Upson Relief Ceilings

Now you can get rid of ugly, sprawling plaster cracks forever.

Simply apply Upson Board right over the cracked plaster, that has been a source of embarrassment. There is little muss . . . no delay. And it is inexpensive.

Any good carpenter can do the work in a few days. There is no fine, sifting dirt, that means general house cleaning.

You have an interesting variety of authentic designs from which to select your decorative scheme. The pebbled surface of Upson Board . . . shown in the border of this advertisement . . . can be finished in the popular colors of today.

Upsonized walls and ceilings give a house more than new beauty and comfort. They make it easier to sell or rent . . . add more than their cost to its value.

The Upson Studios of Decoration and Color gladly furnish directions for application and suggestive color schemes. Write for their booklets today.

Re-cover one cracked ceiling with Upson Board—then you will want to modernize your whole house with Upson Board.



UPSON
PROCESSED
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Offer No. 1: Send me your new 28 page book "Characterful Walls and Ceiling" also "Upson Relief Ceiling", with samples of Upson Board and Fibre-Tile. I enclose 10 cents for postage.

Offer No. 2: Enclosed find one dollar for the above and a copy of "Distinction in Home Decoration". Money to be refunded if I am not satisfied.

Name _____
Address _____

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Pre-stained shingles	\$100.00
Pre-stained shingles 1/2" to 3/4" butts	200.00
Tile @ \$18 per square	440.00
No. 1 Ribbon black slate	300.00
Vermont slate mixed colors 1/4" to 3/8" thick	782.00
Asbestos shingles @ \$15 per square	360.00

If slate or tile is used for the roof, the whole roof will have to be sheathed with 1" x 6" tongue and groove spruce sheathing and then covered with a 30-lb. roofing felt, so that if either of the above materials are selected \$150.00 must be added to the cost of construction for the preparation of the roof.

Wood or asbestos shingles are laid on shingle laths instead of sheathing. This insures a circulation of air which, particularly in the case of wood shingles, is important in order to prevent rot.

In connection with the roof we must consider such items as leaders, gutters, and flashings. The latter are those strips of metal one sees around the base of chimneys and in the valleys between gables where the rain might get under the roofing material. The flashings should be carefully laid and overlapped so that there are no openings or crevices through which moisture could enter.

The best metals to withstand open exposure to the elements are those

which are not corrodible, such as copper, lead, or zinc.

Rainwater conductors such as leaders and gutters should be skillfully worked into the architectural design of the house. These are usually of one of the metals mentioned above, although, in Colonial houses, they are sometimes of wood. If wood gutters are of the stock crown mold type, they are hung below the eaves just as are the metal ones and they can be made an attractive part of the cornice design. However, if the roof has an overhang, the built-in gutter is better. This type should be lined with copper to render it impervious to moisture; the other kind, the stock wooden gutter, should be painted with some asphaltum preparation every two years. Sometimes this type is also lined with copper.

Dry wells to take care of water from the roof should be placed at least fifteen feet away from the house and should be of ample capacity to take care of the water from the roof. No set rule can be made as to their size as the soil conditions vary so much, but in most cases a hole five feet deep and five feet wide, filled with rocks and covered with a material to prevent the soil from sinking in, is sufficient. Usually one dry well in the front and one in the rear of a small or medium-sized house is enough.

The foundations of a house are generally constructed of the material most easily (Continued on page 238)

If Exterior Walls of:

WOOD	{ 18" Perfection shingles	deduct	\$ 330.00*
	{ Pre-stained 18" shingles	deduct	78.00
	{ Clapboard	deduct	205.00*
BRICK	{ Common brick veneer	add	550.00**
	{ Face brick veneer	add	985.00
	{ 12" solid common brick	add	1,600.00**
	{ 12" solid face brick	add	1,800.00
	{ Common brick veneer on hollow tile	add	1,500.00
STONE	{ Face brick on hollow tile	add	1,700.00
	{ Stone veneer	add	1,450.00
STUCCO	{ Solid stone	add	1,600.00
	{ Stucco on hollow tile	add	1,000.00

*Note 1. Exterior painting, add \$550.00

**Note 2. Waterproofing, color or transparent, add \$200.00

COMPARATIVE CONSTRUCTION COSTS FOR A HOUSE

COSTING \$17,000		IN NEW YORK CITY	
New York City	\$17,000	Minneapolis	\$14,620
Atlanta	14,280	Nashville	13,770
Baltimore	15,150	New Haven	16,490
Boston	16,660	New Orleans	14,450
Buffalo	15,640	Norfolk	14,620
Chicago	14,960	Oklahoma	14,450
Cincinnati	15,500	Philadelphia	16,320
Cleveland	17,170	Pittsburgh	16,830
Columbus	14,620	Portland, Maine	15,130
Dallas	16,150	Portland, Oregon	14,480
Denver	16,150	Reading	15,470
Des Moines	15,500	Richmond	14,620
Detroit	15,130	Rochester	15,640
Erie	16,830	Salt Lake City	15,640
Grand Rapids	14,450	San Francisco	14,960
Houston	15,500	Seattle	14,960
Indianapolis	16,150	Sioux City	14,450
Kansas City	15,130	St. Louis	15,980
Los Angeles	12,920	St. Paul	14,620
Louisville	15,470	St. Petersburg	15,640
Memphis	14,450	Toledo	15,130
Milwaukee	13,450	Washington	15,130

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page 238)

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14,450
16,320
16,830
15,130
14,450
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15,130



*"Bride,
you simply must
have Sterling"*

AND HOW EASILY YOU
CAN OWN THIS

INTERNATIONAL
Sterling

A WOMAN'S PRIDE is never satisfied until she sets her table with sterling silver. And so . . . Bride of 1930 . . . do not make the mistake of waiting for it until "some day".
Even though you begin now with a limited

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If no one gives you sterling . . . give it to yourself. It is really so inexpensive if you plan your service ahead and build it up slowly.

++ A Starting Service of Twenty Pieces \$64.70

For instance, you can purchase 6 knives, 6 forks, 6 teaspoons and 2 tablespoons—twenty pieces of International Sterling—for only \$64.70.

++ Enough Sterling to Serve Four-Courses \$76.37

A twenty-six piece set—including 4 bouillon spoons, 4 knives, 4 forks, 8 teaspoons, 4 individual salad forks, 2 tablespoons—is only \$76.37

A Formal Sterling Dinner Service for Eight! about \$250

Just think . . . for as little as \$250 you can have a formal dinner service in International Sterling for eight people! Silver that will be envied and admired every time your friends come to the house. There's no reason why you should

not have the sterling you desire, for at most good jewelers now, you can pay for a sterling service out of income, the way you purchase a car or a radio.

First . . . and most important . . . send for Lady Mendl's book of silver advice.

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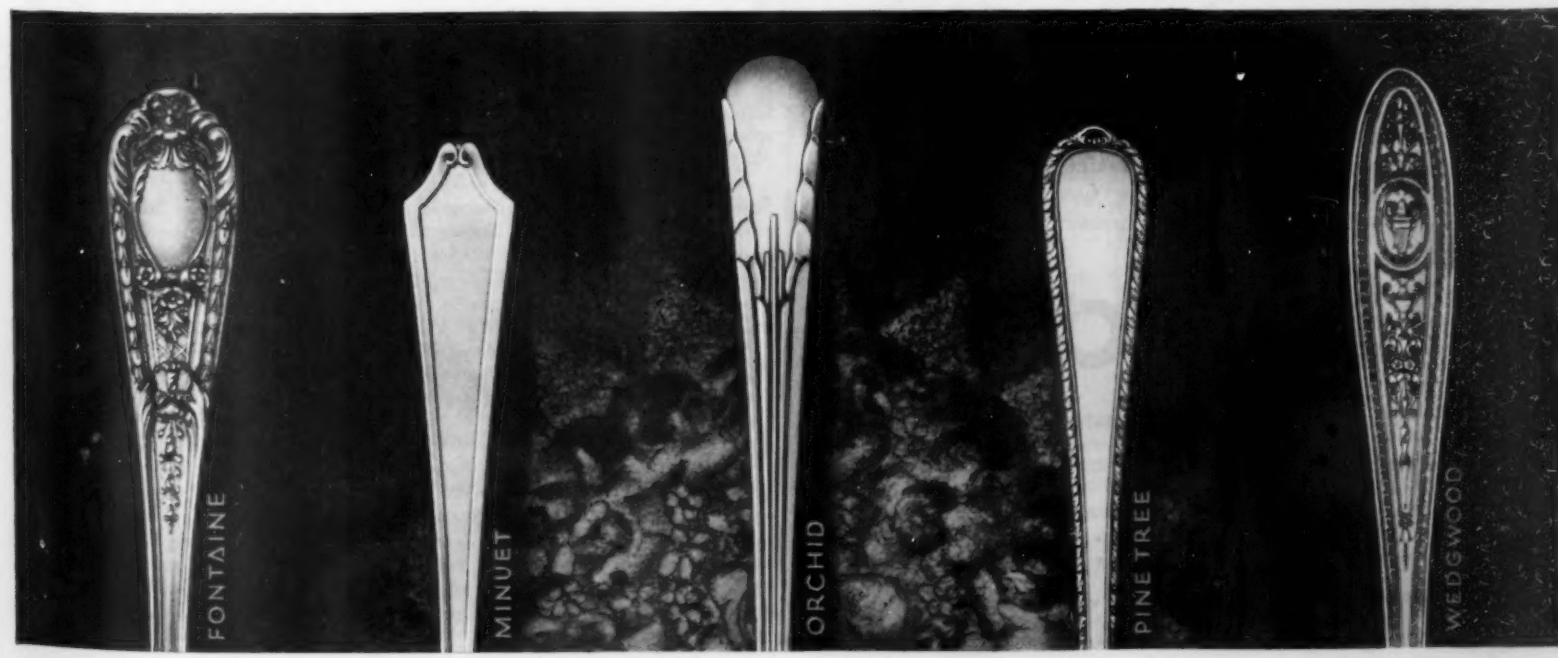
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Fine Arts Division - Wallingford, Conn.

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Buy Bassick Casters and NoMar Rests at your nearest hardware or house furnishing dealer today and see what a difference they *do* make.

Don't overlook these important items. They pay for themselves many times over through the countless services they perform. NoMar Rests mean real floor protection—a finishing touch of appearance for furniture. {Buy the socket type if furniture is bored for Caster sockets. The "Drive On" type where legs have no holes.} Bassick Casters mean easy moving furniture—they mean lighter housework.



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BASSICK



The "Socket" NoMar and other Bassick floor protectors on sale at hardware or furniture dealers.

For 34 years the buy-word for fine casters and furniture rests

THE BASSICK COMPANY, Bridgeport, Conn.

A H-3

Send me descriptive literature showing where and how to use Bassick Casters and NoMar Rests.

Name.....

Address.....

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

The costs of building a house

Continued from page 234

obtained. As we said in our last article very often enough stone is unearthed in excavating for the house to build the foundation. However, where stone is not available, cement blocks, brick or poured cement may be used. The specifications for our model house require foundations of stone or poured concrete, but if cement blocks were used there would be a reduction of \$105.00. Brick would cost more than stone.

In deciding on the type of construction for the foundation walls, great care should be given to ascertaining the subsurface conditions and using the proper means to insure a dry cellar. If the walls are of stone, they should be plastered on the outside with a waterproof cement from the footings to above grade level. If they are of poured concrete, an integral waterproofing compound should be mixed with the cement. If they are of cement block, they should be plastered on the outside the same as the stone wall.

The cellar floor should be waterproofed with an integral waterproofing compound and the finishing coat should be coved and run up at least one foot on the side walls.

However, if a subsurface condition is found where the cellar is subjected to a water pressure, the floor should be reinforced with steel bars and a membrane-waterproofing material used which is keyed into the side walls at the footings. The membrane-waterproofing material should be used also on the outside of the walls.

There are other exterior details to be considered, important not only from the point of view of design but of good construction. Hardware for your doors and windows may seem a small matter but it should harmonize in feeling with the style of the house, and unless it is of good quality it is likely to become corroded by the weather. Exterior hardware is now made in many patterns to fit every style of architecture. Choose a pattern which is simple and serviceable, rather than one which is ornate. In the specifications for our model house there is an allowance of \$150 for finished hardware.

At the rear of our house, just outside the two French doors in the living room, is a terrace which we suggest might have a flagstone floor. Flagstones, both for color and durability, seem to be the best material for terraces. Slate is sometimes used and its effect is very much the same as flagstones. The two materials cost about the same. A brick terrace is more expensive. If the terrace in our house were of brick it would add \$144 to the base price which now includes a flagstone terrace.

If the flagstone terrace is not built up the cost can be reduced \$100. In this case an excavation twelve inches deep should be made. This should be filled with cinders and then sand, and the stones laid in the sand. In cases where the ground is hard, the stones can be laid almost on the surface and the grass allowed to grow between the joints. This is the least expensive method.

Still time to make a garden!

Continued from page 190

vines plenty: Cardinal Climber, Cypress Vine, Moonflower, Japanese Morning Glory, Japanese Hop, and Dolichos or Hyacinth Bean—all may be sown about the time that the Maple trees turn green.

For greater variety in the garden we should not overlook such showy plants as Amaranth, particularly the Chameleon Amaranthus (A. salicifolius) and Joseph's-coat (variously listed as a gangeticus melencholicus, bicolor, tricolor), Cleome, Feverfew, Iceplant, Lavatera, Balsam, Kochia or Burning Bush, and the Annual Lupines all respond readily and do splendidly when planted during early May.

A singularly beautiful and graceful flower is Tall Josephine Marigold, with quite good size single blooms of rich maroon, edged gold. In contrast to the African type, this Tall French Marigold thrives in poor and dry soils.

So far we have not even mentioned that most glorious of all the Annuals, Zinnia, still often called Youth-and-Old-Age. These had their days of glory almost a generation ago when style demanded exact symmetry as beauty. As the viewpoint changed to appreciate the beauty and the grace of forms less geometrical, the Zinnia lost favor as being stiff and harsh, yet such a colorful and easily grown flower was bound to interest plant breeders who, after years of careful breeding and selection, made mother

Nature change the flower forms and add a range of colors that fits exceptionally well into the present day appreciation of rich colors. Reds, brilliant as the glowing fire; yellows shading from light primrose to rich gold; and even hues approaching lavender are now seen and can be had in separate colors. The recent introduction of the Dahlia-flowered Zinnia has added further interest, not only for the size and shape of its flowers but also for some most unusual colors. Rich orange-yellow and orange-red and shades of rose richer than those known in other types are now available in this class.

One of the latest Zinnia types, Giant of California, differs from the round, rather deep shape of the Dahlia-flowered in having still larger and comparatively flat blooms. While the demand for size has been well satisfied by these giant-flowering types, the lovely little Cut-and-Come-Again Zinnias have given us a type that blooms particularly freely, and in a mass effect is indeed not less showy. Even with the addition of these new forms, the beautiful Mammoth Zinnias still hold their favor.

There is plenty to be sown this month to make a garden. Lest I may be accused of showing unjust partiality toward Annuals, mention must be made of Gladiolus and Dahlias and other summer bulbs for May planting. They supplement the Annuals grown from seed.



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EQUIPPING your porch with Aerolux Shades is like adding an outdoor room to your home. Cool, inviting, secluded.... a delightful rendezvous for afternoon bridge. Aerolux Shades ventilate from top to bottom. Admit softly diffused light, exclude sun glare and heat. Provide a new measure of porch privacy. Will not flap in wind. Weatherproof colors.... in one tone, horizontal or vertical stripes. Easy to hang and adjust, durable, inexpensive.... priced as low as \$6.00 for a solid color 6' x 6' shade. Sold by better department and furniture stores. Free booklet, "Better Porches", on request.

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VENTILATING
PORCH SHADES

THE AEROSHADE COMPANY
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S. C. Edgar residence, St. Louis, Mo. Hellmuth & Hellmuth, Arch. American Power & Piping Co. Inc., Heating Contr.

Beauty— and the beast

Beauty: a tastefully done wall in a discreetly decorated room.

Beast: a radiator, *any* radiator.

No trouble hiding the beast successfully if the radiator is a Robras 20-20. Because, as you see, this radiator is a new type, specially designed to go *back* of the wall, *out of sight, out of the way.*

You already have the necessary "waste space" for it in your walls! Why spoil the best space in your rooms—right in front of the windows? Look into the records. See how this quick-heating, large-fin area radiator is completely changing the appearance of thousands of the best homes in America. That's easy to do! Just **ROBRAS 20-20** mail the coupon.

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The AQUA-MATIC
REGULATOR OUTFIT
FOR THE
NATIONAL MULTI-FLOW
COPPER COIL TANK HEATER

You can now have steaming hot water 24 hours a day with only an occasional visit to the fire—once every 2 or 3 days in the average home. The Aqua-matic Regulator Outfit opens or closes drafts automatically—a positive thermostatic control with nothing to get out of order. Home owners who desire the luxury of continuous clean, hot water at a real saving in the fuel bill will appreciate the Multi-Flow. Easily connects to boiler. Burns coal. Copper coil, bronze fittings. Rapid circulation. Write for illustrated folder and prices.

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combine with other luxurious features, all the efficiency that the American Radiator Company builds into every boiler. They are absolutely automatic, controlled entirely mechanically—and the fuel comes from the same inconspicuous pipe as the fuel for your kitchen range and is paid for on the same bill—after you have used it. It eliminates all responsibility on the part of the owner and furnishes healthful, clean warmth—automatically.

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Garbage and waste disposal

MARGARET FLEMING

A FOREIGN wit making the usual lecture tour of this country remarked recently that America's greatest artistic achievement was the bathroom. Whether one is willing to agree with this or not, it is, nevertheless, true that the bathroom and the whole household sanitary system of which it is the flower are the surest indications that we have reached in this country a scale of living, of hygiene, and of physical comfort higher than that ever attained before by any people of whom we have record. It is the more remarkable, then, that we find in many homes, side by side with a perfect bathroom, a method of waste disposal reminiscent of the Dark Ages—a smelly, unlined garbage pail in the kitchen; a battered can in the backyard, the feasting place for flies and the neighborhood cats and dogs; and a pile of papers or boxes in closet or cellar which is an invitation to fire.

In many modern homes these primitive and unhealthy conditions are being replaced, at a comparatively small cost, by methods of waste disposal which are sanitary and at the same time great labor savers.

The equipment needed for installing in your home proper methods of waste disposal is as follows: Easily cleaned and easily handled garbage pails in kitchen and pantry; strong, large, and easily cleaned receptacles for other kinds of household trash; an outdoor garbage receiver which cannot be knocked over or opened by stray animals, and which can be kept out of sight; or an indoor incinerator whereby all combustible waste can be consumed without ever leaving the house.

Most garbage originates at the kitchen table or the sink. The up-to-date kitchen sink is equipped with a garbage container held by folding steel brackets that are attached either to the under part of the sink or to the wall behind it, and which can, with a movement of the hand, be drawn out ready for use, or thrust back out of the way. At the end of the folding arm is a ring in which rests either a covered, removable aluminum container, or a china bucket with a removable aluminum container inside. These cost from \$15.00 to \$20.00.

As these containers are designed to hold food scraps collected at the sink, their capacity is only four quarts. Unless there is an incinerator opening directly in the kitchen, the average home usually needs, in addition, a large inside garbage pail. A good design is one that consists of a white enameled framework, standing up a little from the floor, in which rests a removable white enameled container. The cover is opened at the touch of a foot pedal. An extra aid in keeping the interior of this pail clean is an oiled paper bag for the inside. The price of the container varies with its capacity, but one big enough for the average family may be bought for \$5.00. Bags are seventy-five cents a dozen.

Not only garbage, but trash of all kind should be properly provided for in the house for aesthetic, sanitary, and economic reasons. Sixty per cent of our fires start from refuse which

has not been properly taken care of. For most purposes the strong, washable, iron mesh trash basket (\$1.75 in all colors) is satisfactory, but even better is a trash holder of a kind usually seen in offices. It comes in different sizes and is a box-like affair enameled white, with a pyramidal top, hinged at the apex, which stays closed except when the touch of a hand swings it open.

The outdoor garbage can is fast disappearing in up-to-date communities, but where it still exists, much can be done to make it less obnoxious. The most successful substitute for the old-fashioned garbage nuisance is a can made to be sunk into the ground, with a lid controlled by a foot lever, two features which not only conceal it almost entirely from view, but protect it from stray animals.

Most of the garbage disposal appliances already discussed, however, are but substitutes for the really efficient way of disposing of waste in the home—burning it. With our increased knowledge of and enthusiasm for home hygiene, with the disappearance of the alley in many cities because of rising real estate values, and with the growing popularity of oil burning furnaces and the consequent elimination of that popular method of dry waste disposal, the home incinerator is becoming more necessary and growing in favor. Keeping the home clean becomes an infinitely simpler matter than it ever was before if every floor, and particularly the kitchen, has an inconspicuous door in the wall of hall or hall closet through which all trash may be dumped; or, failing this, if there is an incinerator in the basement where waste may be burned instead of leaving it in an outdoor garbage can, with consequent dangers of spilling, bad odors, infection from flies, freezing in cold weather, and uncertain collection by city or private agencies.

Home incinerators fall, generally speaking, into two classes: The built-in, non-removable kind, and the removable kind, connected by an ordinary stove pipe with one of the flues in the house, usually in the basement. They also fall into two other classifications: The fueling and non-fueling types. The removable type is obviously the kind for the homemaker who does not own her own home. It costs less originally than the built-in type, but usually requires some sort of fuel, while the built-in incinerator generally does not.

In choosing an incinerator, there are a few very important points to be considered one of which is: Does the trash and garbage burn from the top or the bottom? If it burns from the bottom, it is obvious that the smoke and fumes will escape from the top of the chimney and be an unbearable nuisance, not only to the householder himself, but to the whole neighborhood. Engineers who have studied this problem have discovered that the only way to prevent this is to have the gas and smoke pass through the flame on their way out and thus be consumed. Hence, when a good incinerator is in operation, no smoke escapes from the chimney except a thin, bluish haze.

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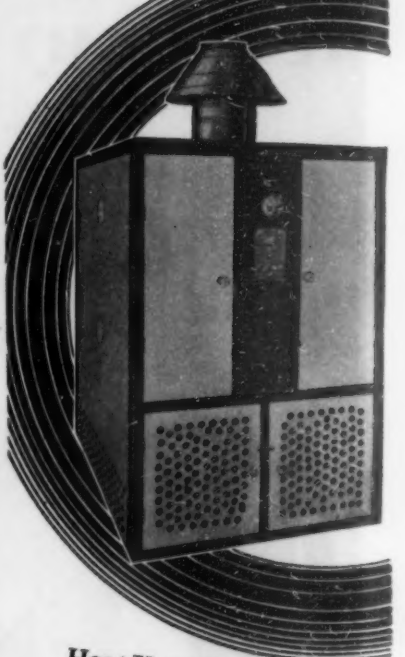
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Tip-toeing through the Tulips

Continued from page 194

which is a lovely deep, royal wine-colored Darwin.

Hold this color scheme in your mind if you can and ask yourself what is needed to complete it? In this particular garden it was the dainty Cottage variety Dido, displaying the salmon-orange and gold to lighten up the darker variety alongside. Despite the fact that the much taller growing Faust was looking over the whole group to see how his little brother Bleu Celeste was behaving, that combination was an inspiration and a joy.

In another part of that same garden the brilliant, single, Early variety, *Generaal De Wet* (often listed simply *De Wet*), was still showing its sweet-scented fiery orange flowers. Many garden lovers will recall this variety as an outstanding spot of color in the spring flower shows from one end of the country to the other, a favorite for early forcing because the flowers are large. There is decided difference in color, however, the forced bloom being much more pink than orange. In the garden in question, *Generaal De Wet* had been blooming for three weeks. You could see both plantings at one glance and we thought we had seen all the Tulips in bloom in that garden, but, across from the perennial bed, and thoroughly screened by shrubs, was another Tulip planting and we jotted down the rotation of the Tulip colors and names as we went along. In this planting, height, formality, and color harmony were all "thrown to the winds" and the varieties were planted with the simple idea of a riot of color, about two dozen of each variety, and here they are:

Baronne de la Tonnaye (Darwin), soft rose, blushed with silver; *Raphael* (Darwin), deep brown; the Cottage variety *Miss Moon*, golden yellow, with its long-pointed petals; *Clara Butt* (Darwin), with its one-tone pink; *La Fiancee* (Darwin), deep rose with lighter rose edgings; the lilac-mauve *Remembrance* (Darwin); then *Faust*, already mentioned; then the Cottage variety *Inglescombe Yellow* almost as big as the Darwins; and the brilliant *Pride of Haarlem*; *King George V.* (Darwin); *Giant* (Darwin), a deep reddish purple; again the Cottage variety *Avis Kennicott*; the lovely *Dream* (Darwin), a soft lilac; then *The Prince of Wales*, a rosy, crimson-scarlet Darwin, and last, but not least, the popular *Breeder Louis XIV.*, with its big purple, bronze flushed cup edged with gold.

There was a sprinkling of Variegated varieties, and a collection of Early varieties, with a bloom here and there still fresh and good. In this collection we found the popular red and yellow *Keizerskroon*, used so much in public parks in formal plantings; then the orange *Generaal De Wet*; *La Reve*, also called *Hobbema*, a symphony of old rose with buff suffusion; cherry-rose *Pink Beauty*; the orange-red *Cottage Boy*; the carmine-pink *Cottage Rose Luisante*; *White Beauty*, and the clear, golden-yellow *Rising Sun*.

In every catalogue, you will find the various varieties under their type section, but for those who are having their first experience with Tulips, it

is not amiss to say that the Early, both single and double, are the first varieties to bloom in the spring. And then come the May-flowering which includes the Darwin, Cottage, Breeder, Rembrandt, and the less well-known types, such as Parrot, the Lily-flowering, and the rock garden favorites—usually grouped as Species Tulips. For a lover of color, there is no type that has the same appeal as the large-cupped Darwins, with their full, round flowers on tall stems, as suitable for house decoration as for garden display. Many of them have a surprising color treat when the cup is examined, and often totally different colors are found at the base of the cup. To the Tulip lover the other types are just as satisfactory and one would be robbing one's self without the early bloom that the single and double Earlies offer. Follow up with the clean-cut beauty of the Cottage and the Lily-flowering types, bending with the slightest breeze on their slender stems, only to straighten out when the breeze passes by. Then there are the art shades of bronze, brown, olive, violet, and purple that are very much found in the Breeder group of Tulip.

So far we have largely mentioned varieties which have become well established and are not in any sense considered novelties. Somehow, we are a bit shy of speaking of them. For the real connoisseur, it is the novelty that points to garden progress, and this is just as true of Tulips as of Dahlias, Gladiolus, and other garden flowers. It is good to test novelties as fast as they can be obtained. But, until we reach the saturation point in the everyday Tulip garden, the desire for a novelty should not be indulged in at the expense of a general collection. Perhaps it would interest Tulip lovers to know why some varieties are so much higher priced than others, and particularly, as to why prices should vary from year to year, as against the more or less standardized prices of other flowers. Of course, if a new color is of exceptional merit, the real fancier is going to have it at any cost. Buying at high prices generally creates a shortage at the source of supply. Some varieties are poor producers of bulbs and it takes many years before stocks can be developed. Accordingly, the Holland growers demand higher prices on such varieties. Again, severe weather, such as ruled in certain parts of the Tulip belt in Holland during the winter of 1928-29, may cut down the supply of certain popular varieties and, thereby, advance the price. Finally, the home gardener's peculiar insistence on certain colors during certain years actually affects to a great extent the prices of varieties in Holland.

The best time to order Tulips for fall planting is soon after seeing them in bloom and while the different varieties still live vividly in your memory. Order from a specialist and place your order before the first of July, if possible. You get not only what you want, but you free yourself from the temptation of ordering surplus low-priced or clearance bulbs which are offered by "cut-rate" dealers in the fall.



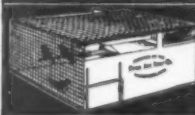
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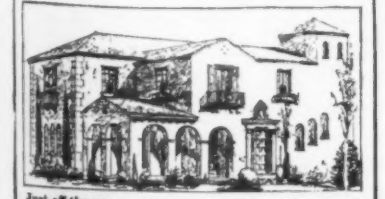
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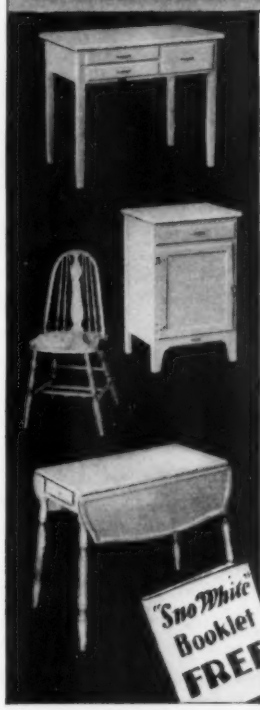
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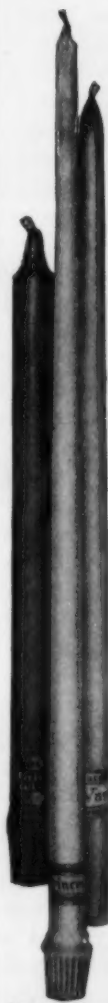
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In and About the Garden



[*Edward Parro*]

MENTIONING the old-fashioned Musk plant on this page a couple of months ago has brought me some delightful correspondence from all over the country, including the Pacific Coast, Canada, the South, and New England. I am glad to find that there is such a widespread interest in this lowly plant. The mere odor of Musk builds up in my mind a picture of an old-time greenhouse in which Grapes were forced and in which the Musk rambled all about. The plant likes a moisture-laden atmosphere with warmth. In such conditions it grew in a marvelously rampant manner. The fact that it was also a good pot plant for the window garden simply proved its adaptability; but to do its best it likes the close, moist warmth of the greenhouse.

I have to thank the several correspondents for their kindness in actually sending me clippings from current catalogs which offer seeds of the Musk plant. I never did suppose that the plant had completely disappeared, although but rarely seen. The interesting point, however, is that the plant seems to have lost, if not entirely, to a very large degree, its heavy cloying characteristic fragrance. That is not mentioned in the seed offerings that have been sent me. They speak, one and all, of the plant "deliciously sending up a welcome," etc. Well, we are trying it again.

I have heard also a rumor that somewhere in England a few plants have been discovered that still possess the old fragrance. I hope it is true. It is quite possible that in some places there has been a confusion between the Musk and the Monkeyflower. Both are species of *Mimulus*. The Monkeyflower never did have the fragrance, but it has a larger and much more conspicuous flower and was at one time a popular summer bedder. The pale yellow flowers of the true Musk are quite small in comparison. The true Musk, *Mimulus moschatus*, is a native of Northwestern America whence it was introduced into cultivation a little over a hundred years ago. If some of our friends of the Northwest can actually find some fragrant Musk plants "on its native heath," as it were, it will be a real achievement. I don't see why we should have to go across the ocean to Europe to get the true stock, if it exists in the old form. Of course, that is the crux of the question. Has the plant evolved itself to non-fragrance, and if so, why? Was the fragrance a protective characteristic

of some sort and has the need of it disappeared? We can speculate as we like.

One correspondent from Yakima, Washington, writes entertainingly of collecting different kinds of *Mimulus* in that state but also distinctly states that she has found no fragrant ones.

The Musk odor in the old times was by no means a mere suggestion. It was definitely and heavily fragrant. Years ago Musk was esteemed also as a flavor-



The Mexican Tigerflower with brilliant red flowers six inches across, flowers over several weeks though each bloom lasts but one day

ing in confectionery. Rose-colored candies flavored with Musk were the companions of the similar but white "peppermints" of that day. I have no knowledge as to the source of the commercial flavoring—whether from the plant or not.

I am indeed grateful to those readers and correspondents who have written to me about this plant. Perhaps there will be more to say about it in due time.

FRAGRANCE AND COLOR

Fragrance in flowers has always been a very welcome attribute, and a flower without it or having a repellant odor is to a degree handicapped. Instinctively almost one tries to test the possible fragrance of a flower never seen before. Loss of fragrance in the Musk is noticeable because it is not a flower of multitudinous varieties like the Rose, Carnation, and many others with which we are familiar, and from which the element of fragrance has more or less disappeared, in the modern "improvements." The reverse of

this is met in the Peony, however, where symptoms of fragrance are gradually being recognized and consciously sought. What if we had Peonies with fragrance equal to their size!

The old-fashioned garden was often consciously fragrant; but the new-fashioned garden is, as a rule, but accidentally fragrant. On the other hand, color is dominant. Speaking of color, there are lots of things we might put into the garden that are even more colorful than a great many of the things we do use to-day, and so I introduce for further consideration for sheer barbaric magnificence of color, the *Tigridia*, surely the most gorgeous of the summer bulbs, but alas, the bloom lives but a single day.

—L. B.

TIGRIDIAS FOR BRILLIANT BLOOM

WHEN you are planting bulbs in late spring, try a group of four or five *Tigridias* for a brilliant splash of color in the full sun. No flower that grows can surpass its flaming glory of color, and its long bloom from July to frost comes at a welcome time. No sun seems too hot for its pleasure, and yet it is a trifle hardier bulb than the *Gladiolus*. The foliage is somewhat similar to the *Gladiolus*, but more compact, and rarely exceeds two feet. Unlike so many bulbs, it seems to enjoy the more claylike soils.

The flowers themselves vary in color according to the variety, but run mostly through the flames, oranges, and golds. Always they are of dazzling brilliance with splotched centers that beggar description. Though this is the Mexican Daylily, with the individual bloom dying with the setting sun, new blooms take the place of the old so that the departing flowers are not missed. These open wide as pictured, and are about six inches in diameter. The flower petal is finely textured in spite of its glowing brilliancy. Bulbs spaced about six inches apart will send up sufficient foliage to make a solid planting.

These *Tigridias* are well worthy of a rich soil; but if this is lacking, liquid manure from time to time through the season keeps them sturdy and prolific. They ask for considerable water through their blooming season. Handle them much as you would *Gladiolus*, though in warmer gardens they may be left undisturbed, and a mulch of leaves, or better still, leafmold is all that is necessary as far north as Philadelphia. Lift them for the winter in the coldest sections.

—ANDERSON McCULLY.

On Estates Like This

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I. Mr. Joseph Evans
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Right now, the hillside of “Tulipdom” (see small part above) is a sight to gladden flower lovers’ hearts. There are little white or buff-colored beauties with orange or yellow cups; a ribbon of yellow Emperors ripples like a golden wave; the jolly “Poeticus” types flirt with the bolder Trumpet Knights. And all say, “Come along, bring your friends, we want to be admired.” You’ll find plenty to study among the several hundred varieties of many types.

Time, too, to think of those early birds for that Rockery



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Crocuses and Scillas, Snowdrops and Grape Hyacinths should be used to enliven that latest of all garden hobbies, the rockery. Mark bare spots now to be planted to these earliest of all Spring flowers. Order before August 1st and bulbs will reach you in such neat packages as shown alongside,

Garden Reminders

Spring is here!

MAY, the month of sunshine, warmth and spring fever, is an extremely busy period for the gardener in the Northern states. It is the month of actual work, and many a backache will be the lot of the man with the hoe. But, just as April showers bring May flowers, May backaches will bring summer happiness and contentment in a worthwhile garden.

NORTH

The Flower Garden: Sow tender Annuals. There still is time to sow seeds of Hardy Annuals.

Sweet-peas should be ready for staking.

Set out bedding plants about the 25th.

Disbud Peonies. Use liquid manure. Stake Perennials. Transplant some of them and get them into their permanent places.

Spring bulbs will be through blooming. Let the leaves ripen before you dig up the bulbs.

Give Rose bushes another application of bordeaux mixture. Give them a treatment of lead arsenate this month, too.

Continue sowings of Sweet Alyssum. Protection may come completely from Rose bushes late this month. Get after those weeds.

Start planting Tuberoses, Gladiolus, Dahlias, and Galtonias. Pondlilies may be planted now.

The Vegetable Garden: Begin sowings of tender vegetables.

Don't let insects get the better of Cabbage, Cauliflower, and Sprouts. Thin out your hardy vegetables.

Continue semi-monthly sowing of Peas.

Plant Potatoes.

Apply nitrate of soda to Lettuce, Cabbage, in fact, any leaf vegetable. Make another sowing of Lettuce, Radishes, and Carrots.

Set out early Tomatoes in the open, besides the coldframe-grown ones. Don't let Rhubarb go to seed.

Eliminate the weak-stemmed Asparagus.

Cultivate thoroughly. Use a wheel hoe.

The Coldframe: Protect seedlings during cold weather.

Harden off Annuals.

Transplant everything possible from coldframes as soon as danger of frost is over, generally about May 15th.

Miscellaneous: Some of your shrubs have finished blossoming. Prune them.

Keep mulch available for late frost.

Last call on planting small fruits.

Mulch Strawberries with clean straw. Take cuttings of house plants and Chrysanthemums.

Be careful in pruning Maples. Do it while the buds are bursting.

Plant Beech, Birch, etc.

Application of bone meal will work wonders with shrubs.

Evergreens transplanted last month should be kept well watered.

Spraying is important for everything.

Keep spray chart available, and watch carefully for insect pests.

Prune hedges and formal evergreens.

Don't let weeds get into the garden paths.

SOUTH

The Flower Garden: Fertilize and work Rose beds; cut out old canes of climbing Roses that have bloomed. Prune Spirea, Deutzia, and other spring-blooming shrubs.

Control insects with oil-emulsion, arsenate of lead, and nicotine sulphate.

For good blossoms keep Chrysanthemum and Klondyke Cosmos terminal buds pinched back.

Plant Dahlias, in loose soil; and, for the last time, Gladiolus.

Time to start a water garden; native Nymphaeas and the Zanzibar varieties, and Nelumbiums do best in the South.

Sow Perennial seeds for setting out in September in a special bed, protected from too much sun and drenching rains.

Don't fail to get late Annuals into their places where they are to grow.

Replace Alyssum, Sweet-peas and other early flowers with Balsam, Torenia, Browallia, Gomphrena, Petunia, Gaillardia, Zinnia, Vinca, and the foliage plants.

It isn't too late to plant vines: Mandarins, Cypress-vine, Cardinal-climber, Sword-bean, Jack-bean, Moonvine, Thunbergia, Morning-glories, Coral Vine.

The Vegetable Garden: In the upper tier of states, Lettuce and Celery may still be sown. Give plenty of water and keep bed shaded.

Sow Melons, Okra, Pumpkins, Squash, and Cucumbers.

Put in another crop of early Corn to take the place of the crop now maturing.

Make another planting of Beans for later use.

Stake Tomatoes.

Miscellaneous: Keep sprays at hand. Keep busy with plow and cultivator to get rid of weeds.

Remove superfluous growth from trees as it appears.

Don't let knob-grass bother the Strawberries.

Watch for borers.

THE WEST COAST

Continue planting Dahlias, also Gladiolus for succession.

Sow Hunnemannia (Mexican Poppy) in permanent location.

Set out seedlings and thin out those already planted.

Take up bulbs if crowded, when the foliage ripens; store in a dry, cool place until autumn.

Water and mulch the Sweet-peas cutting off the pods. For red spider spray with soap suds.

Give plants as a stimulant, nitrate of soda dissolved in water: one tea-spoonful to three gallons.

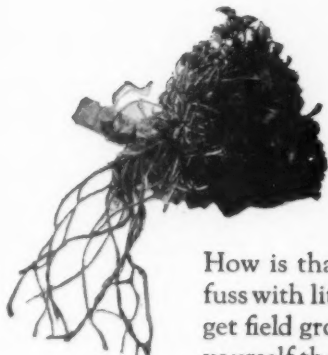
Keep the Pansies picked to prolong the bloom. Conserve moisture by cultivation and mulching. Start new compost pile for leaf mold.

Sow seeds of Columbines, Delphiniums, Primroses, and other Hardy Perennials.

Cut away old growth from Smilax stringing up new growth.



Your Last Chance This Spring To Plant Hardy Plants



How is that for roots and size? Why fuss with little potplants when you can get field grown clumps like this? Ask yourself that question again. Then answer yourself fairly and act accordingly.



Wayside Gardens

MENTOR, OHIO

If you don't plant them "right smart quick now," you'll have to wait till September. That means a summer of blooms lost.

But don't get cold feet and decide it's now so late, that it's too late. It would be, were it not for the fine big clumps we sell you. That and the special painstaking way we pack them.

All plants are carefully wrapped. Then tucked in special ventilated boxes, between layers of new excelsior and fresh moist moss.

Truth to tell, the plants scarce know anything is happening, and when you set them out in your garden, they start right in growing perky as you please.

Send for catalog. Don't miss out on a summer of their blooms.



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In fact the productive fertility of your soil depends more upon this physical condition than upon fertilizers. If your soil is too sandy, or too clayey, or too loose, or too tightly packed—even if it is chock full of fertilizer that is not dissolved and held in suspension in water ready for immediate use—your plants will not yield flower or fruit as they should.

G P M Peat Moss is the most universally used and approved substance for incorporating organic matter in soil. It is perfectly fitted for holding water for your plants (being much like billions of tiny sponges) admirably adapted for keeping your soil in the "pink" of condition. It will help grow those wonderful flowers you've seen but never grown.



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What you ought to know about Annuals

I. GEORGE QUINT

THE following questions are those asked most frequently concerning Annuals. They are answered in simple terms, with every desire to avoid technical matter.

1. *Annuals are so old fashioned. Are they really worth while?*

There is no type of plant which pays greater dividends than these old-fashioned, homely Annuals. They have maintained their popularity for years, because of the low cost of seeds, the minimum expense of maintenance, their continuous bloom and gay color, their ease of culture, and the variety of their uses.

2. *What are the fundamental principles of growing Annuals?*

Buy good seeds from reputable seedsmen. Sow early and evenly, thinning out the young plants as soon as they show signs of crowding one another. Plant for harmonious color combinations and get rid of weeds by constant cultivation.

3. *What Annuals will succeed best with the minimum of care?*

China asters, Calendulas, Calliopsis, Cornflowers, Gailardias, Sunflowers, Petunias, Marigolds, and Nasturtiums are almost "fool-proof." They have the added distinction of blooming quickly.

4. *What Annuals are best for cutting?*

Those which serve best when picked and used for table decorations are the Ageratum, China Asters, Calliopsis, Cosmos, Larkspurs, Scabiosas, Gypsophilas, Sweet-peas, and Zinnias.

5. *Can Annuals be grown in shady locations?*

Generally, the best results will be obtained when grown in sunny spots. But several kinds do well in the shade, for example, Cornflowers, Godetias, Pansies, Forget-me-nots, Snapdragons, Sweet Alyssum, Schizanthus, Memophilas, Salvia, and China Asters.

6. *Are there any vines that can be grown from seed as Annuals?*

Some of the finest vines are the Annuals. Among them are the Cardinal-climber, Scarlet-runner, Tall Nasturtium, Morning-glory, Cypress-vine, Moonflower, Thunbergia, and Cobaea scandens.

6. *What is the best way to grow Sweet-peas and how can this plant be treated?*

Sow the Spencer varieties. They grow best. Sweet-peas do best in a cool climate where the atmosphere is dry and there is a good deal of sun. Deep trenching is the best way to start seeds. The plants should have supports. Fertility should be heavy, and bone meal makes an excellent fertilizer. Water freely and mulch the soil in dry weather with grass or straw manure. Keep seed pods removed.

8. *What are the rules for growing Asters?*

Sandy soil mixed with rotted manure provides the best home for the seeds. Plants may be started indoors but those which are grown from seeds in the open ground resist diseases and insects best. Fertilize with wood ashes and mulch with grass in dry weather. Root aphids may be controlled by carbon bisulphide or tobacco stems. Poisoned bait around the stems will get rid of cutworms, and a liberal spraying of arsenate of lead will take care of the beetles. For disease prevention use bordeaux mixture and arsenate of lead.

9. *Why can Pansies not be grown in the sun?*

This is one of the most common of fallacies with which we deal in flower growing. For years we have heard the cry, "Don't grow Pansies unless there is a shady location." As a matter of fact, best results are obtained in the sun. The plants may be grown in the shade, if no sunny spot is available. Sow seeds early and cover with sandy soil. Transplant the seedlings when large enough to handle. Give the plants plenty of water and pick flowers frequently. Use bordeaux mixture for fungus, and sulphur for mildew.

10. *Where there is room for only one variety, which do you recommend?*

There is no one variety of Annual that will give you greater satisfaction in resistance to disease, richness of color, and profusion of bloom than the Salvia or Flowering Sage. Here is an Annual that will more than reward you for the space you give it. It is best started early in flats or hotbeds, but may be grown with success when started outdoors when danger of frost is over. It is best where there is some shade, but may be grown without fear in the full sun.

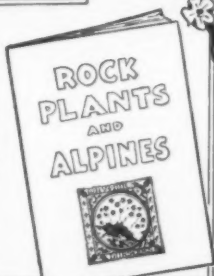
11. *What annuals are especially adapted to peculiar conditions such as sandy or heavy soils, drought, heat, etc.?*

Yes indeed, it is well to make selections to fit conditions, but the divisions are arbitrary since a Zinnia, for example, will endure poor conditions but will do so much better in a more congenial site. Thus on a dry, sandy soil use by preference Cobola, Godetia, Nasturtium, Portulaca, and Zinnia. For very cold regions try Sweet Alyssum, Clarkia, Marigold, Pansy, Sweet-pea, and Ten-week Stock. The following Annuals can be counted on to give flowers after the first frosts: Sweet Alyssum, Candytuft, Clarkia, Marigold, Drummond Phlox, and Ten-week Stock.

➡ NEXT MONTH—What You Ought to Know About Dahlias.

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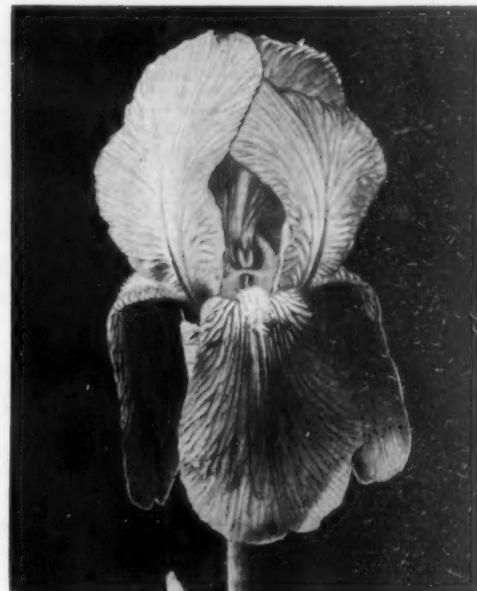
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Iris Magnifica

Bruno—A Masterpiece in bronzy heliotrope and violet-purple. \$5.00 each; 3 for \$13.50; 6 for \$25.00.

Gold Imperial—The finest deep yellow of the richest coloring and smoothest texture. \$1.50 each; 3 for \$3.75; 6 for \$6.00; 100 for \$90.00.

Dr. Charles H. Mayo—The finest orchid-pink toned variety; a giant flower with a soft white throat. Very tall and early. \$2.00 each; 3 for \$5.00; 6 for \$9.00.

Morning Splendour—The finest American Iris introduced to date. Awarded three medals. Exquisitely fragrant. Rich red tone. \$1.75 each; 3 for \$4.50; 6 for \$7.50.

True Charm—The finest "plicata," or white with a "button-hole stitching" of lavender around the edge. \$1.50 each; 3 for \$3.75; 6 for \$6.00.

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Apache—A distinctly new color in Iris. Copper red. Very fine. \$2.50 each; 3 for \$6.00; 6 for \$10.00.

Asia—An aristocratic soft blend. Very large and tall. \$1.75 each; 3 for \$4.50; 6 for \$7.50.

Lady Byng—An exquisite soft ageratum violet which recently sold at \$50.00 per root. One of the most charming Irises in my entire collection. \$1.00 each; 3 for \$2.75; 6 for \$5.00; 100 for \$75.00.

Ballerine—The most popular light blue toned variety. A fine, large, very fragrant flower on tall stems. \$1.00 each; 3 for \$2.50; 6 for \$4.00.

One each of the above 15 choice varieties \$20.00 Three each, total 45 plants, for \$50.00
Six each, enough for a nice clump of each, \$90.00

Rainbow Collection

As I grow only the very finest Iris you are sure to be pleased with this collection. My space is limited and I must therefore move certain stocks to make room for the propagation of new varieties. My necessity is your good fortune. The labor saved in putting up this "Rainbow Collection" without labels enables me to furnish the utmost in value at the minimum cost. I guarantee that this collection will contain such famous varieties as "Ambassadeur," which was recently voted the most popular Iris in the world by the American Iris Society; Lent A. Williamson, which in 1922 the same organization voted the finest Iris in the world, and other equally fine varieties. If you wish a garden full of fine flowers, in all the colors of the rainbow, but do not wish the extra care of keeping them labeled, you cannot go wrong on this fine collection.

50 choice plants, My Selection, without labels—\$ 6.75
100 choice plants, My Selection, without labels— 12.00

Japanese Iris

I have a wonderful collection of these gorgeous beauties, some of which are almost as large as a dinner plate. There are singles, doubles, selfs, mottled and striped effects, soft tones and the most brilliant colorings. They follow the "Rainbow Collection" in bloom. This collection will consist of varieties costing \$1.00 to \$5.00 per plant if bought separately.

I will furnish 25 assorted plants, without labels for \$ 9.75
50 choice plants assorted, my selection, without labels 15.50

Early Iris Garden Collection

This collection blooms from two to three weeks ahead of the "Rainbow Collection." You'll get a great thrill out of AN EARLY IRIS GARDEN. This collection will include only choice varieties, in a fine range of colors, varieties that are exceedingly free flowering, hardy and easy to grow.

30 Plants in 5 choice varieties, My Selection, labeled \$ 7.50
60 Plants in 10 choice varieties, My Selection, labeled 12.00

Dwarf Iris Collection

These miniature jewels are especially adapted to the rock garden, or for planting in the border in front of the taller varieties. They bloom just ahead of "The Early Iris Garden Collection," in fact just after the crocus have finished blooming in early spring, and therefore come at a time when flowers in the garden are so much prized. Only choice varieties will go into this collection.

20 Plants in 4 choice varieties, My Selection, labeled \$ 5.00
100 Plants in 10 choice varieties, My Selection, labeled 23.50

Siberian Iris

Nothing surpasses the Siberian Iris for landscape or garden effect, or for cut flowers. They are prodigious bloomers, in full sun or partial shade, in almost any location or soil. I have a magnificent collection of them and guarantee this collection will be worth several times the price paid.

50 Fine Siberian Iris in Assorted Colors, without labels \$ 7.50
100 Fine Siberian Iris in Assorted Colors, without labels 12.75

My 1930 Catalogue contains 120 pages and is free for the asking. It contains a vast store of Iris information and lists the World's Choicest Varieties. Send for your copy.

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brings you such famous kinds as Lady Margaret Stewart, Dame Edith Helen, Rev. F. Page Roberts and many other celebrities of Rosedom.

Strong two-year-old plants, one each of twelve prize winners for \$15.

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holds twelve distinct varieties that have "made good" wherever Roses grow. Absolutely dependable standards for everybody.

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The Dreer Garden Book

Continues to serve the nation as a trustworthy advisor on all garden matters. Offers the best only in Seeds, Bulbs, Plants, Roses, Dahlias, etc. Free for the asking, and please mention this publication.

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



Summer blooms from spring set bulbs

Continued from page 193

one and one-half inch of mellow soil over it. In late fall they should be lifted and stored like Gladiolus. The third year they will bloom. The full-sized bulbs are inexpensive, however, and make offsets. For best effect plant in groups of five or more.

The Peruvian Daffodil (*Ismene calathina*) has *Amaryllis*-like pure white flowers, and is very fragrant. It can be planted in June and will begin flowering in July. It can be taken out of the ground in October to flower in the house or be stored for another season. It is an interesting old timer but so little seen as to be welcomed as a novelty by many.

Tiger flower (*Tigridia*) is one of the most spectacularly gorgeous flowers one can have in the garden. While not hardy except in the warmer sections of our country, it can be most successfully grown in our northern gardens if treated just like *Gladiolus*, lifting and storing in late autumn and replanting in spring.

These bulbs are on the market in limited quantities but can be obtained from the larger dealers and growers. *Tigridia pavonia* comes to us from Mexico. The large flowers are often five inches in diameter; others varying in size in the different varieties to those quite small and delicate. They vary in color, the outer segments being yellow, scarlet, white, orange, carmine, rose, or purple. A very rare form, a native of Brazil, is blue, while many hybrids have been produced in Europe. The bulbs of this unusual and attractive flower are easily grown from seed where the season is reasonably long. In the north they can be raised easily by following the method used for *Galtonia*. Practically all will bloom the second year from seed. Medium-sized and large bulbs will all bloom at some time during the season. The larger

ones blooming first, the smaller ones following in continuous succession.

Choose the sunniest spot in your garden, out of strong winds, as these ruin the fragile flowers. A sandy loam and leaf mold make the best soil for rapid, sturdy growth. If any fertilizer is needed, bone meal is best. The bed should have at least eighteen inches of this soil, as the bulbs make very fleshy roots. Plant three inches deep and six inches apart any time after May fifteenth, putting a little sand under and about each bulb. Water should be given in dry times, with cultivation. Bulbs planted June first of last year, were in bloom in early August in my Minnesota garden.

The individual flowers of the *Tigridia* last but one day, opening in early morning and closing by late afternoon. Each stalk bears two blooms, however, and new stems keep springing up from the offsets, so there is a continuous display if the right conditions are given. They are not intended for cut flowers as a bloom wilts at once in water.

The bulbs increase very rapidly, and should be dug soon after the tops are cut down by frost. They should be dried off and spread in thin layers on trays until those fleshy roots below the bulb are completely dried. When packing them away, a dusting of tobacco dust will keep off and kill any aphid that may be on them. They can then be stored in a frost-free cellar where they can be perfectly dry and protected from mice which will leave their favorite cheese to feast upon them. These bulbs are edible and are very delicious when boiled and served with butter, salt, and pepper. They have been an important article of food for years in certain valleys of Mexico, the Indians sometimes having dug them so thoroughly it (Continued on page 272)



Montbretia, not unlike *Gladiolus* in habit and height, shows star-shaped flowers of orange scarlet in the modern varieties. Useful for cutting

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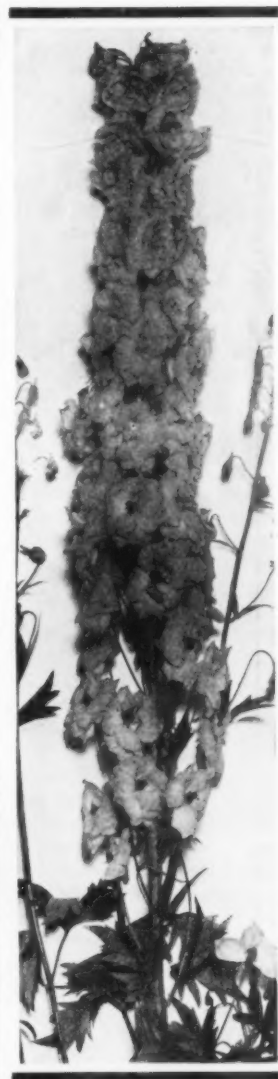
Roses are like other merchandise—you get what you pay for. Upkeep on the cheap rose and on the Star Rose is the same; the real difference in quality is revealed when the roses bloom.

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Totty's 'Mums and Delphiniums are strong, sturdy stock, field grown. They will thrive in any good garden soil, require a minimum of care and attention, and will repay you handsomely in a wealth of blooms.

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GLAD BULBS
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Hardy Lilies
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Gladiolus—Such beautiful varieties as America, Francis King, Alice Tiplady, Maiden Blush, Marshal Foch, Peace, etc. Elegant in borders or large beds. Fine for cut flowers.

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Now to be more commercial, we have selected from our catalog six varieties of cheerful Rock Plants that prefer a little shade.

- Aquilegia canadensis**—American Columbine
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Special Offer:—For \$10.00 we will send you 12 each of the above 6 varieties, or we will send you 6 each for \$5.50, F. O. B. Putney.

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Iris cristata — Crested Iris

Saxifraga virginensis — Mountain Saxifrage

Tiarella cordifolia — Foamflower (See above)

Summer blooms from spring set bulbs

Continued from page 270

was very difficult for collectors to find any seed.

We are all familiar with the Common Buttercup, but perhaps not with its tuberous-rooted sister species well known in Europe and on our West Coast; nor is it generally known that these beautiful tender varieties can be grown in our northern gardens if lifted and stored at the end of their growing season.

The Asiatic varieties are preferred for out-of-door planting, the flowers being double, globe-shaped, from three to five inches in diameter, on long stems making them a fine cut flower, and of nearly every color except blue, the colors ranging from white to yellow, pink, deep reds, and bronzes. The foliage is very attractive.

The tuberous roots are like very tiny Dahlia roots, looking, when you receive them, like a tiny bird's foot about an inch long. They should be soaked in water from twelve to twenty-four hours before planting. A rich, sandy loam is the right soil for them. A suitable planting soil for them can be made by mixing three parts of loam, one part leaf mold, one part of very old manure, and a little sand. If the manure cannot be procured, bone meal can be used. The little tubers should be planted vertically, two inches deep and six inches apart, in a place that is protected from the hot sun, and where they can be given plenty of water. As soon as danger of frost is over they can be planted and will bloom the latter part of July.

The proper time to lift them is when the leaves turn yellow and the stalk pulls away from the root easily, in August. When dug, the little tubers should be cleaned of soil and dried in a shady place, then wintered in a dry, frost-free cellar. Stored in this way they will retain their vitality for two or three years. Strong sun, poor soil, and drought will mean failure with these lovely flowers, but their demands are so modest, the price of tubers so reasonable, and their increase so great that every garden should have a colony of these beauties.

The tuberous-rooted Anemones both single and double so closely resemble the Ranunculus that the average person can see little difference between them. Their culture and requirements are the same, too, and they must be lifted and stored in the same way after dying down in August. They are just as lovely and come in the same general colors. Both have been grown successfully in my Minnesota garden.

Tritonias, more commonly known in the United States as Montbretias, will give splashes of the brightest and richest orange, yellow, apricot, and scarlet throughout the latter half of the summer, from July until frost. In bulb, flower spike, and foliage they are greatly like the Gladiolus and in our northern gardens should be treated like them, lifting them in fall and resetting them in the spring. Their flowers are more loosely arranged on the wiry flower spikes, and as several of these are sent up they resemble what one writer calls them, "Little fountains of bright color." As they flower for so long a time,

they are most desirable additions to the borders and are especially useful to follow some early blooming Perennial or in front of shrubbery. They vary from two to four feet in height. Plant in full sun in a light, well-drained soil to which well rotted cow manure, humus, or peat has been added. They are most effective when planted in groups of from seven to twenty-five, being set five inches deep and six inches apart.

Several named varieties are now listed by some of our seedsmen, being improved hybrids, but mixtures will not prove clashing in the garden as the yellows, oranges, apricots, and scarlets blend well. These aliens come from South Africa. In England they are often grown as ground covers between shrubs to keep down weeds. Their increase is remarkable, especially in climates where they can be left in the ground the year round.

The Fairy Lily, Rain Lily, or American Crocus (*Zephyranthes*) is the most beautiful flower in the garden when in bloom; and because of its height, which is from six to eight inches, it also makes a beautiful edging or can be most effectively planted in groups at the front of the border. There are fourteen species of these lovely, low-growing bulbous plants. The narrow grass-like leaves appear very soon after planting, although sometimes a blossom will surprise one first. The large crocus-like flowers are white or a soft rose-pink, very beautiful not only in the garden but as a cut flower. They are especially lovely to use in table decorations, being of such an unusual color and shape, and combining with other flowers so well. Most of them are natives of North America; however there is a species found in Jamaica and another in South America.

While these are all either white or pink, crosses have resulted in two yellow forms, citrina and Ajax. *Zephyranthes rosea* is the best known and most beautiful of these unusual flowers, its soft rosy-pink crocus-like blooms being harmonious wherever planted; alba, the white form is also lovely.

These bulbs can be planted in the open as soon as danger of frost is over, and the flowers will appear most unexpectedly some morning especially after a warm gentle rain, hence the name, Rain Lily or Fairy Lily. A light rich soil suits them best and they seem to do quite as well in half as in full sun. They are often grown in pots where they need not be disturbed until over crowded. Like many other bulbs, they require a period of rest each year. When planted in pots, they can be gradually dried off and left without water for a few months, then be given moisture and brought to the light when flowers are desired. In northern gardens they should be lifted and dried off before the ground freezes, and stored through the winter in a dry, frost-free place with other tender bulbs. Their increase is very rapid, large bulbs often making as many as six offsets in a single season, many of which planted separately in the spring will bloom the following year. *Zephyranthes* bloom intermittently all summer.

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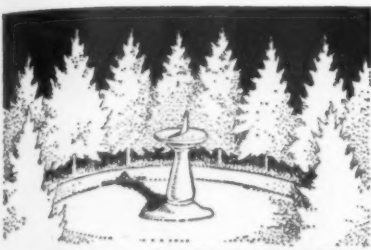
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16-30

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Chrysanthemums in the open garden

Continued from page 192

years, producing its annual crop of flowers every season. In the locality south of Washington, where late frost is really late, varieties of Chrysanthemums that are of the greenhouse type in the north can be flowered very easily in the open ground. For instance, such varieties as Golden Glory, White Frost, Yellow Frost, Unaka. These are known in the neighborhood of New York as Large-flowered commercial varieties and, if planted outdoors, can only be depended upon to bloom the one season unless nursed with protective frames.

The popular conception of Hardy Chrysanthemum is of the types known as Singles, Pompons, Early Flowering, and in some cases the Anemones. Of these, I personally prefer the Singles and they are perhaps the hardiest, being in the way of a reversion to the first primitive Chrysanthemum indicum, which is said to be the progenitor of all the varied forms and types in cultivation to-day. I have seen some of the loveliest bronze single varieties, such as Melba, Portia, Bronze Buckingham, and Ida Skiff blooming in the fall, even after very heavy frosts, and the arrangement of the flowers blending with the autumn foliage made a picture difficult to describe. Two other lovely bronze Singles, that in the fall season are very fine outdoors, are Besse La Roche and Ruth Adams. A yellow variety that we had last year, called Sunlight, grew to a height of five feet outdoors, and made an unforgettable picture, standing head and shoulders above any other yellow in its class. The main thing to consider in selecting Chrysanthemums for outdoors is to get the sorts that bloom early enough, so you can enjoy several weeks of pleasure during the Indian summer weather.

The Pompons are perhaps the best favorites among the hardy outdoor Chrysanthemums, and they have given us some very fine varieties, but here again, one must select the earliest as many of them flower too late to be of use for the outdoor garden. Mrs. H. Harrison, a blush white; A. L. Moran, a flaming bronze; and Adelaide, a deep rich mahogany-bronze, are three varieties that will positively bloom by the 8th to 12th of October, depending somewhat on the season. Nuggets, clear yellow with the Red, White, Pink and Yellow Dot, quar-

tette form a complete picture that will be finished flowering before the old-time Pompons are in condition to show their first flowers. The objection to the old-fashioned Pompons is the fact that a few degrees of frost will discolor the foliage badly, and the flowers assume a more or less frowsy appearance, as they do not bloom until late in November.

The Anemone type having a raised tufted center of quills is also splendid to grow out in the garden and, if the early buds are kept pinched off and only a selection of later flowers allowed to grow on a plant, they will grow to quite a fair size.

Culturally, Chrysanthemums do not call for expert treatment, but do repay any reasonable labor and care expended on them. In the spring, when the plants begin to grow, it is well to take up the main roots, and break them up, replanting just a single shoot, making sure, however, that it has some roots attached. This seems like a tragedy at the time but, as a matter of fact, these shoots will begin to grow very shortly thereafter, and give beautiful bushes, laden with flowers before frost, and far superior to the old clumps that have been allowed to remain in the same place and not given this treatment.

If we have a wet season with heavy thunder storms and high temperatures during August it brings on the septoria disease of Chrysanthemums, and in some seasons it is very bad. When it is first noticed, the plants can be sprayed with a sulphur solution or dusted with a mixture of lime and sulphur in equal quantities. Be sure to apply the remedy to the underside of the foliage. It is there that all insects and undesirable objects gather to protect themselves from sun and rain.

The Chrysanthemum is a gross feeder when it is well established and growing vigorously. A light mulch of cow or sheep manure, if this is available, is about the best fertilizer that can be applied, but if it is not available copious watering of liquid fertilizer will be almost as satisfactory. Occasional doses of nitrate of soda are also beneficial. The Chrysanthemum, with other flowers, suffers from the scorching hot sun of July and August and a liberal spraying with a hose will keep them soft and growing; otherwise they are apt to become hard and stunted.

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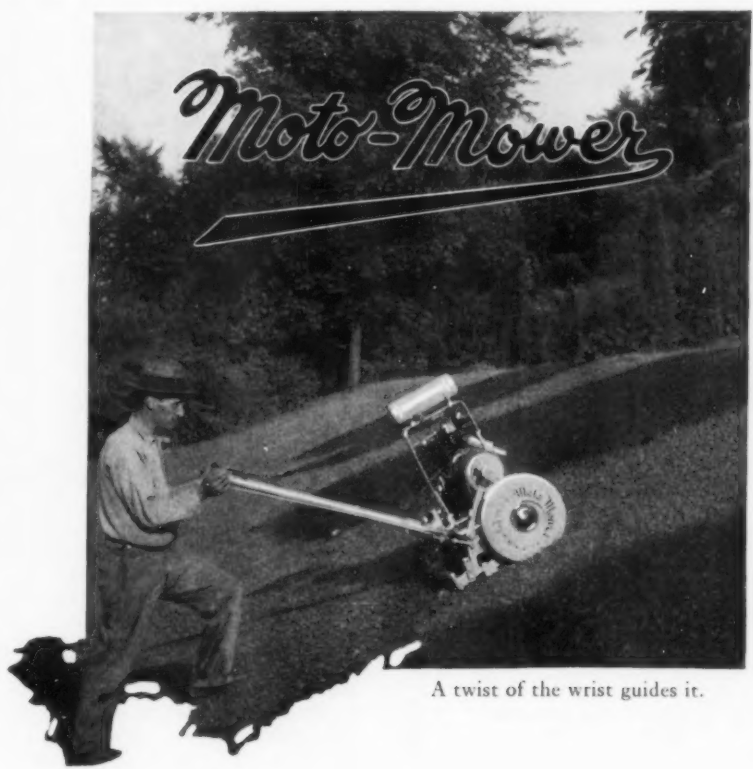
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Continued from page 198



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ASHFORD, North Carolina

house one puts the "foundation plantings." The foundation planting should serve as a means of softening the entire house and accenting certain features such as a door or a pretty window. It should not primarily be a screen to hide builder's or architect's mistakes. A screen and a foundation planting outside the house are as different as a wall and a chair inside the house. Use material in the foundation planting that is grown easily.

Having made plans for the foundation planting, block out an area for a vegetable garden. The area devoted to that depends on the individual tastes and the size of the family. Usually vegetable gardens are too big. A small garden carefully planned and tended with a succession of crops gives big returns and looks well. A large one is apt to be neglected, always has too many bare spots in it, and uses up too much ground on a fifty-foot lot. A very good location for the vegetable garden is directly back of the garage and on the extreme back end of the lot. The area between the vegetable garden and the garage can then be used for a sand box, a clothes reel, or for some other definite purpose.

In planning the back yard, keep in mind that it is small. Usually the back yard of a 50 x 150 ft. lot is not over 30 x 50 ft. To attempt to put in a large number of small flower beds or narrow beds with narrow paths will give an effect of disorder. Narrow flower beds also are more difficult to plan and plant than are wider ones. A flower bed should be six or eight feet wide. In a large formal arrangement one would plan another flower bed directly opposite the one in the small arrangement. On the small lot, though, this would not have as good an effect as would something different, say a hedge or a fence with vines climbing on it. The fence would take less space and leave more room for lawn, but would be bare much of the year and give less privacy than would the hedge. On that account a hedge would be recommended—and an evergreen hedge at that. The hedge may be clipped or it may be let grow as nature intended it should.

In the flower garden arrange to have the taller growing, longer lasting plants at the back. This gives the effect of neatness. However, do not plan to have everything in any row exactly the same height. Nature does not do things that way and, after all, the most pleasing gardens are those that are most nearly like nature. Annual plants in the flower garden make the first show, but are less desirable than the Perennials. When the Perennials are once established they get better each year and are less bother than the Annuals. However, nearly every year one loses a few perennial plants from disease, insects, and old age. Whatever the cause, there is need of replacement. The Annuals fit in well there and one should be prepared to put a few in each spring. Plan in detail both the vegetable and flower gardens before sowing a seed into either. To complete our small place we need very little more than has been mentioned. A bit of furniture in a corner, a garden house in the corner opposite the vegetable garden, a sundial or a gazing

globe all help a little. These things should be obtained after the planting is complete for then one can best decide what is desirable.

Limit the plantings to the minimum. Until the plants have reached maturity, one cannot tell how much room they will need. Thick plantings give a better effect the first year, but soon the plants get crowded and this makes an undesirable effect. Do not plant thickly, thinking you will pull out the extras when they do become crowded.

A design that would be satisfactory for everyone is impossible to make. Too much depends on personal likes and dislikes and on conditions that apply to individual situations. The designs on page 198 merely give a few suggestions for help.

Design No. 1 is the simplest. The garage is attached to the house which is a convenient and economical way of building. Directly back of the garage is the drying yard—near the house yet out of sight and thus out of mind, being screened from the lawn by shrubs or an evergreen hedge. A seat under the clump of trees with a bird bath at the far end compose all the furniture. The flower garden is small, but lends a touch of color at the far end as one stands in the French doors of the living room. The principal feature of this yard is the grass sward that stretches away.

Design No. 2 is a little more elaborate. The drying yard is tucked away again and fewer trees are used. However, there is a pool in which one may have aquatic plants or fish or both. More space is devoted to the flower garden, but it is not visible from the house as in the first design. The bulges in the border add to the interest of the design leading one down from the house to see what is tucked away there. A high screen on the back line, broken by an arch on which one may have Roses or other climbing plants, divides the vegetable garden from the outdoor room that is devoted to flowers, grass, and shrubs.

In design No. 3 a new factor comes into play—the children. Standing on the veranda one sees first of all the small grass plot with a splash of color furnished by the flower garden on the right. It is a quiet, restful scene. The shrub border cuts into it by extending so far into the area and back of that we have the playhouse. Here is a sand-pile, a swing, and who knows what else the youngsters have carried in! Let them trample the grass and spread the sand. It is their room and they should be at liberty to do there just as they please.

The other features of the design are not unusual. The clothes reel is out of sight again, and back of that is the vegetable and fruit garden. This little area, about twelve feet wide and thirty feet long, can be the source of profit, pleasure, and beauty.

These three little plans are very general. They leave to the individual the selection of the plant materials to be used, but they demonstrate the value of a little planning and a little care in laying out the home grounds. Simplicity rules, and as such the back yard of the city lot can show to its best advantage and at the least cost in establishment and maintenance.

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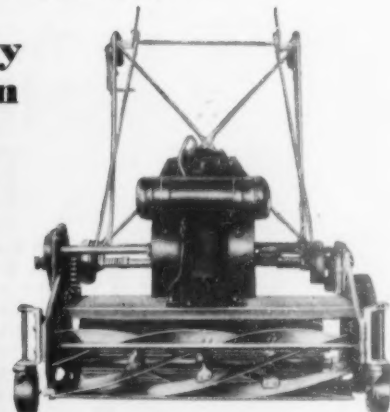


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Delightful little gems for edgings, Rock Gardens, etc. Chionodoxa (Glory of the Snow) Eranthis (Winter Aconite) Grape Hyacinths (Heavenly Blue) Snowdrops (Single) Scilla Campanulata (Blue) Dozen 40c. 100 for \$3.00 Crocus Special Mixed \$2.50 per 100 \$24.00 per 1000

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BASSI FRERES, INC.
480 Main Street, New Rochelle, N. Y. Phone New Rochelle 8700

Summer season vegetables to carry on

Continued from page 196

the Bush Beans have so pronounced and delightful a flavor as that old stand-by Old Homestead or Kentucky Wonder.

Where space permits, and poles or trellis of some sort are available, by all means grow Old Homestead for the main crop. A good yellow podded companion is Golden Cluster Wax. Both come into bearing within seventy-five days after seeds are sown. An excellent Bush Bean to bridge the gap between the extra early fifty-five day varieties and these late Pole Beans, we have in Full Measure. This extremely prolific, green podded, stringless, midseason Bean is ready for first gathering within sixty-five days after planting.

Among Lima Beans, my quality vote goes to Fordhook Bush among the dwarf, and Henderson's Levitan among the tall, climbing varieties. Both require about one hundred days to reach the bearing stage. If you would have really good beans from your own garden, pick before they reach quite their full size. Old Homestead, especially, contains quite a lot of fibre after it grows beyond six inches long, although it never becomes stringy.

So many much improved Tomatoes have come to us during the last score of years that it is difficult to measure progress in quality. But on the basis that flavor comes first, solidity next, and size last, the quality vote for a late variety must go to Coreless. This is one of a number of very symmetrical, globe-shaped varieties of the last fifteen years. Since it takes about four and one-half months for Coreless to produce its large, solid fruits, seeds should be sown about the middle of March, to get good husky plants by the end of May, when they should be set out.

Because individual taste or judgment as to degree of flavor differs widely with various people, the Tomato is ready to accommodate almost everybody. The yellow-skinned sorts are the mildest, and perhaps the sweetest, the pink or purple-skinned varieties come next, and the scarlet varieties are of most pronounced flavor. Coreless is decidedly acid. As a milder sort of the same season of maturity, pink-skinned Ponderosa still stands supreme. However, be prepared for some waste with this exceptionally large sort. It frequently has deep wrinkles around either stem or blossom end, thus causing the loss of a top or bottom slice. Trucker's Favorite is a slightly earlier sort of nearly globe shape. It is of exceptional solidity and delightfully mild flavor.

As with Tomatoes, Onions most obligingly bring various degrees of flavor. Speaking for the entire tribe, the white varieties are the mildest, the yellow ones are somewhat stronger, and the red ones are the "hottest." But even in one color class, there are varying degrees of strength of flavor. An early white, White Portugal for instance, is milder than late Southport White Globe, which, in turn, is milder than Southport Yellow Globe. Southport Red Globe is the other member of this remarkable all-American trio which easily represents the finest in Onions. They reach full

size in from 120 days for the white to 140 days for the red.

But in connection with Onions we must also judge from the standpoint of mildness rather than comparative strength of flavor. Again we have a strain to fall back on in the Prize-taker, Gigantic Gibraltar, or Giant Spanish type. This, as well as the English strain of Ailsa Craig, brings mildest flavor and the giant size. But in order to have them reach their full pound size, the seeds must be sown quite early (February, under glass). Seedlings (which may be bought) should be set out into rich soil in April. The great specimen Onions will then be ready near the end of August. The shortcomings of these mildest of all Onions are that they do not keep well; keeping quality is a characteristic in which the Southport Globes surpass all.

Peas are the one crop that should constitute the home gardener's delight. For one thing, peas bought in the market convey a very poor idea of what a well-grown pedigreed sort, picked at the proper time, should taste like. As in the case of corn, the only way to get the honest-to-goodness sweet flavor of peas, is via the shortest route between vines and boiling water. In stale peas (and what other kinds do you ever get at the store?) the sugar content turns to starch. The starch causes the shelled peas to turn hard. Adding sugar to the boiling water is of doubtful benefit to the dish.

Another reason for the doubtful quality of peas from the store is the same as that given with radishes. The grower produces a crop of an extra early sort that bears its fairly large pods "all at once." He cares nothing what the grains in the pods taste like. Varieties requiring longer than forty-five to fifty days to reach marketable size are mostly out of the question. Yet it is in such main crop varieties as Alderman (eighty days) and Potlach (eighty-five days) that we find the acme in yield of pods per row and number of finest flavored peas per pod.

Sweet-corn, that greatest of epicurean treats of our kitchen gardens, must be looked upon in very much the same fashion as peas. After being extensively advertised for a quarter century as the sweetest Corn that grows, Golden Bantam is still conspicuous by its absence from most of our markets. The reason? "It's too small," "People think it is field corn," etc. etc. But we are considering late varieties only, and among those, two stand out like shining stars in a bleak sky. Old Shoe Peg or Country Gentleman is still without a rival for flavor. But it takes 110 days for the old gentleman to produce ears which, however, bring both quantity and quality. The only other rival to this old standard is a comparatively recent arrival—Golden Evergreen. There exist various strains of this and I give you fair warning. If you fail to get the right one, you will be disappointed. If you get the genuine article you will enjoy a Golden Bantam treat on cobs ten inches long, holding twelve to fourteen rows of delightfully flavored kernels.



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No worry about dry hot summer days when you have a Double Rotary Sprinkler. It gives a gentle shower wherever you want it. Spreads life-giving moisture over lawns, flowers and shrubs in nature's way. That's why so many home owners say the Double Rotary is "Next Best to Rain."

Prepare now for the rainless summer days to come. Let the Double Rotary keep Maytime freshness and beauty about your place all summer long. It covers any circular area up to 80 feet and down to 15 feet in diameter according to pressure. Self-operating, self-rotating. Convenient skid base.

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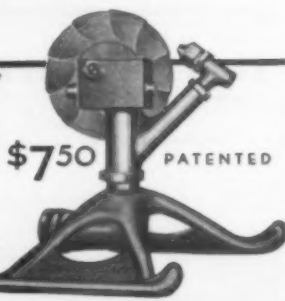
DOUBLE ROTARY JUNIOR SPRINKLER

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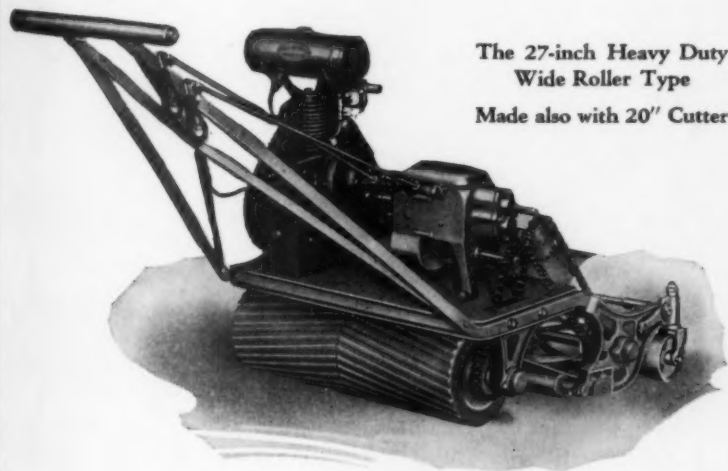


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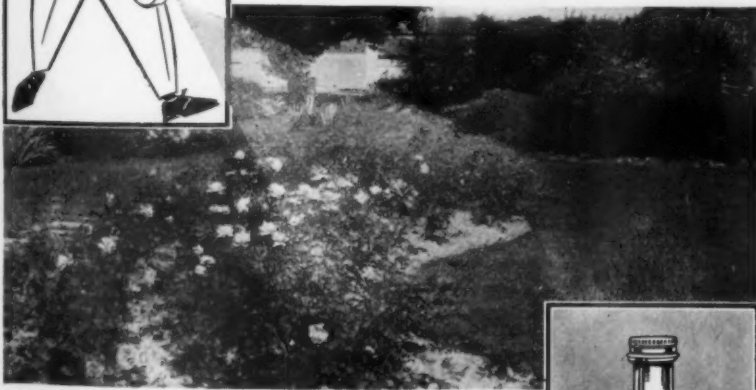
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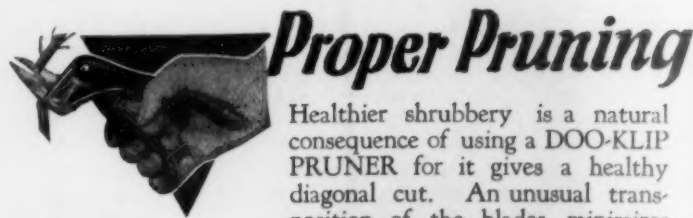
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\$1.25

Yes! you can grow prize Dahlias

Continued from page 191

to June 15th. In Southern sections many people are now planting around the first of January in order to get spring blooms, while others plant about the middle of May, and then cut the bushes back during the hot, dry spells, so as to have new blooming growth in the fall.

Before planting the tuber, dig a hole about a foot across and eight inches deep in front of the stakes. We fill these holes with river loam, but if this is not available, a mixture of equal parts sand and good garden soil will serve the same purpose. Some people use a handful of bone meal at the bottom of the hole, with a slight covering of earth between the bone meal and the tuber.

Scoop a depression in the loam about four inches deep and lay the tuber with the end sprout showing about two or three inches from the stake. You can then make sure that the plant will sprout close to the stake. Cover the tuber with about three inches of loam. This leaves a slight depression in the earth, at least a foot in diameter, to insure holding moisture.

Water each tuber lightly so that the loam will settle around it. This will start immediate growth and aid in root formation. There is nothing to do now until the sprouts begin to appear above the ground and, of course, if you have bought high-priced novelties, this is an anxious period.

If you are troubled with cutworms or snails, put a collar of wire mosquito netting around the plant. Some people plant in an ice cream container with the bottom taken out and enough of the container left above the ground to afford a cover over which the snail or cut worm will not go. In the case of the wire, cut it into five-inch strips, join the ends and place the collar about an inch into the ground around each sprout. Keep the ground well stirred after the sprouts show up, but be careful not to go too deep, as the fibrous Dahlia roots are a lot of strings, growing close to the surface.

Now as to fertilizing! Much has been said in recent years about commercial fertilizers of sundry kinds. Individually they are good, no doubt, when used intelligently according to directions, and in moderation. I have stuck to well rotted barnyard manure, mixed with a liberal quantity of humus. If you cannot secure this, you can buy bone meal or sheep manure and any plant grower in your neighborhood can give you definite instructions as to how to use this.

When the first plant is about a foot high, tie it to the stake with cord or twine about six or eight inches above the ground, by wrapping the twine once around the stake to hold it in position and then around the plant. The twine is tied to the stake rather than to the plant. This allows the Dahlia to grow and expand without being cut by the string. When the plant has made a foot of growth a second tie will be necessary, and usually no more. After the plants have grown a foot or two high, cultivation close to the stalk should cease. Any weeds must be cut out, however, for the sake of appearance and particularly to prevent them from

taking food and water from the Dahlias.

Try to keep the soil around the plants moist all the time. In some sections, mulching with straw and hay is advisable. If you have a limited supply of water, it is better to give the plants a good soaking twice a week, than to put on a small supply every day. The Dahlia is a very succulent plant, and, therefore, can stand enormous amounts of water. Watering is best done very early in the morning or about sunset. Watering with a hose or spray not only helps to supply moisture, but also is a practical insurance against disease, as many of the small insects that attack the Dahlia are thus prevented from settling. If aphid troubles, use a nicotine spray. We have found the commercial Black Leaf 40 entirely satisfactory.

Your Dahlias will begin to bloom anywhere from early July right up until frost, depending on the conditions and on the nature of the variety. Many growers advise pinching out the center or crown, bud which normally is the first to bloom, but if this bud gets into bloom anywhere around August 15th, it seems a shame to lose the finest flower the plant will produce. If you let it bloom then, and pinch it out after it has finished, the laterals will come along quickly enough to give blooms in September. This method is contrary to the advice of growers who seek a uniform crop of flowers at one time.

To get best results during bloom time, a certain amount of pruning and disbudding is necessary. By pruning I mean cutting out all but the strongest stalks which will produce blooms. There is no set rule for pruning, but a study of the plant will show you just which are the main bloom stalks after the crown bloom has been pinched out. By disbudding I mean pinching off extra buds. This is commonly done with many flowers, of course, and particularly desirable for the Dahlia. If the two side buds are removed, and the main crown bud left to mature, a bloom of tremendous size will almost always be the result, and will remain on the bush, sometimes for two weeks, a thing of glorious beauty to delight the heart of any Dahlia grower. The buds on the lateral shoots develop rapidly, and usually there are three buds, which, if left would give three blooms from six inches to a foot apart. Better pinch out the two side buds, unless the center bud shows very definitely that it has been attacked by an insect or otherwise injured. Also remove the two pairs of shoots that develop behind the bud. By doing so you increase the size and improve the color of the one bloom that remains.

When blooming starts it is well to increase the amount of water by letting a hose run on the ground about the plants once or twice a week, taking care not to get water on the blooming flowers. Weak liquid manure is a practical fertilizer at this time.

Probably the greatest thrill in life for the average Dahlia fan is taking part in a local exhibition and, oh yes, of course, winning a blue ribbon or two!

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