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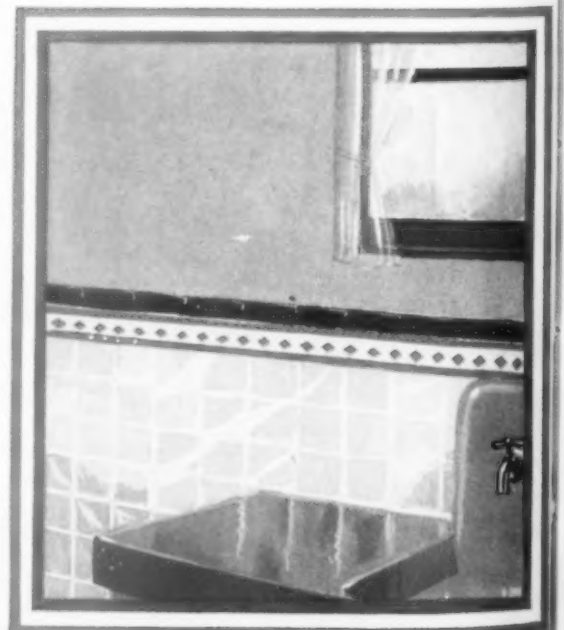
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for

## SEPTEMBER, 1929

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Friendly and inviting is the residence of Mr. W. H. Courtney in Louisville, Kentucky (Photograph by Tebbs and Knell, Inc.)

## THE AMERICAN HOME

### The Garden Harvest

IT IS now the ebb tide of summer, and harvest time approaches. In September comes the harvest moon. Already the grain is being garnered. In September, too, comes the harvest of the flowers. For those of us who live in northern latitudes, the first frost comes in September, cutting down the more tender of the garden blooms in the height of their luxuriance. A morning comes when the Nasturtium leaves are black, and Cosmos and Dahlias droop their heads. Let us gather the flowers while we may.

Old-fashioned garden flowers—for generations they have surrounded our English and American homes with color and fragrance. They have, indeed, never gone out of fashion. They are part of the home tradition of our race.

Their very names have a reminiscent sound—reminiscent of childhood and grandmothers and sweet country dooryards: Crocus, Hyacinth, Tulip, Narcissus, Daffodil, Snowdrop, and all the gay heralds of spring; Hollyhock, Foxglove, Phlox, and Delphinium, standing so tall and sturdy.

The garden gentry—Rose, Peony, Iris, Gladiolus, Dahlia, and all the tribe of Lilies; little garden folk that love the ground—Candytuft, Portulaca, Forget-me-not, Mignonette, Sweet Alyssum.

Columbine, Bachelor-button, Cockscomb, Bleeding-heart, Cosmos, Sweet William, Aster, Babysbreath, Canterbury-bell, Poppy, Stock, Marigold, Verbena, Garden Pink, Shasta Daisy, Zinnia, Four-o'clock, Pansy, Lily-of-the-valley—the list of favorites is endless.

The gay pageant marches past our windows from frost to frost. Hardly has the snow disappeared before the Crocus pushes its inquiring head above the ground, while the Hardy Chrysanthemum braves November's blasts.

They are good to live with, the flowers. They are good for the individual and for the race. Where there are flowers, there the milk of human kindness flows.

Let us go on making gardens and planting the old-fashioned flowers—more of them, more of them—that our drab lives may be brightened and sweetened with a touch of the divine.

And on that evening when north winds and a frosty tang in the air presage the doom of our delicate little friends, let us hasten out to gather a last bouquet, the final harvest of the garden.



## “I rather like this idea of a breakfast nook”

“Was I right?”

“Always right, sweetheart. It looks even better than I hoped it would.”

“The carpenters thought it was a good job, too.”

“I know it. Didn't Mr. Williams say we must have known something about lumber when we specified Pondsosa?”

In days that, happily, are past, it was impossible for a home owner, architect, or builder to identify any particular kind of pine. With electrical equipment he had no difficulty. With plumbing and heating equipment, the maker's imprinted name stood as a guarantee of quality. But lumber was generally sold without any distinguishing marks.

But today Pondsosa Pine can be completely identified by means of the pine tree trade-mark which is imprinted on the lumber at the mill. This is the maker's indorsement of its suitability for any soft wood building requirement. For molding, screens, sash, doors and other mill-work, for any built-in features, Pondsosa Pine is ideal.



There is a plentiful supply of this good lumber in the Inland Empire . . . and each stick is graded, milled and seasoned by rigid standards. It comes ready to work, ready to respond to saw and plane, ready to finish up with a clean, beautiful surface. That finish will retain its beauty and luster many years after the work has been done.

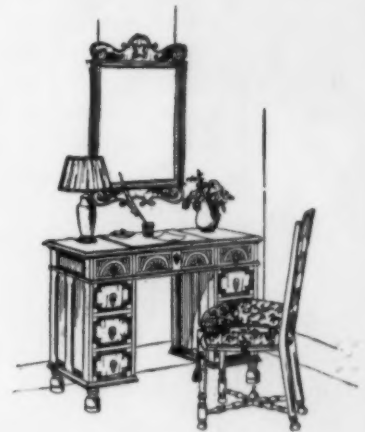
Pondsosa Pine may be had at your local lumberyard. Look for the mark of the pine tree. Western Pine Manufacturers Association, Portland, Oregon.

Pondsosa Pine   
The Pick o' the Pines



© 1929, Kittinger Company

## A Chair Inviting Comfort with Dignity



THE generous proportions and friendly lines of this English lounging chair invite you to relax... a luxurious chair that makes lounging dignified. The soft, down-filled pillow is adjustable for head and shoulder comfort as you stretch out in the deep seat, also down-filled. The sturdy spring base is upholstered with new and sterilized curled hair... covering is optional to blend with the color scheme of your own room.

The design is harmonious with this splendidly carved Tudor Chest of solid American Walnut... and the companionable walnut stool selected from many Kittinger designs that make modern homes more livable.

Such characteristic Kittinger reproductions are of heirloom quality... they never become tiresome... never need replace-

ment... the design is authentic... the durability and good appearance unquestioned.

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Distinctive Furniture



Photograph by Mattie Edwards Hewitt

## THE CALL OF THE HILLS

*The hills are never lovelier than in the first days of autumn, when Nature reaches one of her crossroads and pauses for a brief space to rest before plunging down the long road to winter. Then the winding road calls strongest, when the first frost is turning the leaves to scarlet and gold, and the valleys are dimmed by a soft haze as with the gray-blue, ghostly smoke from vanished wigwam fires*

THE AMERICAN HOME  
SEPTEMBER  
1929

## A Colonial hunting lodge in Westchester

*Roof Trees, a charming restoration that still retains in its remodelled plan the placid serenity of its remote youth*

**T**OWERED over by a trio of magnificent maples whose wide spreading branches, high flung above the low-pitched roof, have given it the name "Roof Trees" is an early American farmhouse that is perpetuating old tradition in a novel and delightful way.

For almost two centuries the house has stood beside the country road in the old community of North Salem, N. Y., and, during the entire period of its existence has

HARRIET SISSON GILLESPIE

been in the possession of the Cable family, early settlers in this region. It was recently acquired by David Patterson and remodelled as a hunting lodge.

Mr. Patterson and his wife divide

their time between their country place in Virginia, noted for its string of thoroughbred hunters, and Roof Trees where, in the delightful informality of the Colonial environment, picturesque hunt breakfasts are often a feature.

When the Pattersons first espied the little old house, basking in the autumnal radiance of golden maples, the dooryard grown over with goldenrod and purple asters, it had long stood unused. Neither could



*The magnificent maples testify to the age of Roof Trees, the two-century old American farmhouse recently acquired by David Patterson of Virginia and New York and remodelled into a hunting lodge. White painted with blue-green shutters, its quaint beauty is further enhanced by the homely picket fence, which gives the final touch of old-time charm for which Charles S. Keefe's restorations are famous. So appealing is this little house in its restful simplicity that we based our cover for this month on it*



*The pleasant Colonial character of the living room formed of the two old kitchens in Roof Trees has been retained and enhanced by the antiques gathered there. Much of the Colonial hardware was found intact. The two enormous fireplaces are fitted with the original bake-ovens and have a row of cupboards above*

crowsfeet nor wrinkles wholly mar the placid charm of its simple lines nor hide the grace of its gleaming windows peering from weathered walls.

Fair and comely in garb of glistening white with blue green shutters and girded about by a quaint picket fence, today, it is as redolent of Colonial days as though but a small fraction of a two-century span had passed over its head. The rejuvenation of Roof Trees was the inspiration of Charles S. Keefe, of New York, an architect whose happy restorations of the Colonial constitute a real contribution to American architecture.

MR. KEEFE'S peculiar success in this field lies in a certain quality of reserve or restraint, and this, in the remodeling of early American dwellings, is the keynote of good work. The new owner's only stipulations were to put the house in livable shape, to make adequate provision for the needs of the family, and to enable the owners to dispense the informal hospitality for which the lodge was in large measure designed.

After a comprehensive survey of the place, Mr. Keefe found it structurally sound. It was necessary to jack up the





foundations, add new siding and shutters, rebuild the original chimneys above the roof line and replace the entrance door of golden oak with one of six panels, typical of the period. The most important change in the appearance of the house was wrought by altering its distinctly New England character to conform more nearly to the Dutch Colonial style native to New York.

MR. KEEFE kept the original main lines of the house but brought the roof down low to enclose a porch and built on additions at the back to give it the right feeling and to provide an additional bedroom and kitchen. As a final touch of homeliness he added on a typical small woodshed at the end.

The difficulties most baffling to the architect in restoring the early American farmhouse lie in the very qualities that most endear the type to us. The curious little rooms tucked away in impossible places, the engaging diversity of floor levels and ceiling heights, and, above all, the naïve craftsmanship of the early builders with its inconsistencies are often a bar to success. The problem was so adroitly handled at Roof Trees as to destroy none of the Colonial flavor, but rather to preserve and enhance it.

THE OLD part of the house, entered from the porch, is built around a central chimney of native stone, measuring some nine feet square at the base. An ell with a new kitchen had been added on at a slightly later date. The stairway, customarily rising directly from the front entry in houses in the Connecticut Colony, was often varied, as in the Patterson house, to lead up out of the living room.

The living room, formed of two Colonial kitchens, has the pleasant character of the old-time "keeping room"



*Two additions were built at the rear of the house to provide adequate living quarters. The recessed portion between was ingeniously utilized as a breakfast porch*

*The chaste simplicity of the original entrance is apparent here. The door is new but is old in feeling. The sidelights were included in the original design. Both the lantern and hardware fittings are in the style of the period*

with enormous fireplaces, fitted with Colonial hardware, original bake-ovens, and a row of little cupboards above. The low ceiling, marked by a massive oak beam where once the partition stood, contributes largely to the intimate friendly atmosphere of the interior.

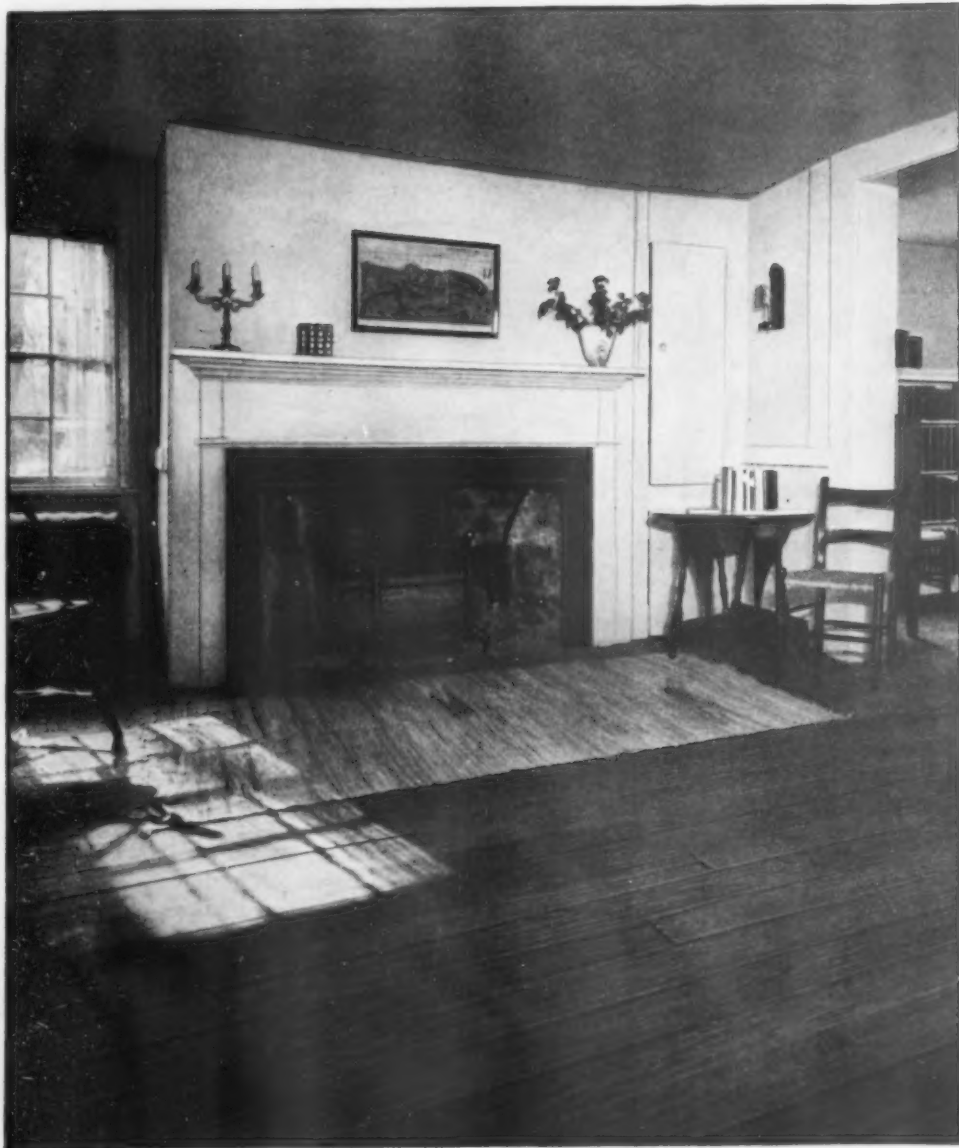
The walls, covered in Colonial paper in a pink lozenge pattern, the wide plank floor laid over with gay hooked rugs from Mrs. Patterson's varied collection, the tidy row of little windows across the front in frilly muslin dress, each framing a fair vista of blue Westchester hills, are all incomparably lovely details of the period.

An informal grace prevails in the decorative treatment of the room and invests it with an atmosphere of individual charm. Many interesting curios from foreign lands add a (continued on page 698)

# Floor construction and Floorings



*A good foundation and well-laid underflooring are necessary bases for smooth, handsome floors  
(Photograph by Mattie Edwards Hewitt)*



*Good materials and workmanship will save money and worry*

GERALD LYNTON KAUFMAN

**T**HE EXTERIOR of a home must be attractive in appearance and must withstand the ravages of time and the elements; the interior walls and ceilings must also be aesthetically pleasing and able to bear up under the assaults of moisture and steam heat; but no part of a house is more constantly before our eyes, more intimate in our daily life, and more subject to heavy usage and great wear than the floors of our rooms.

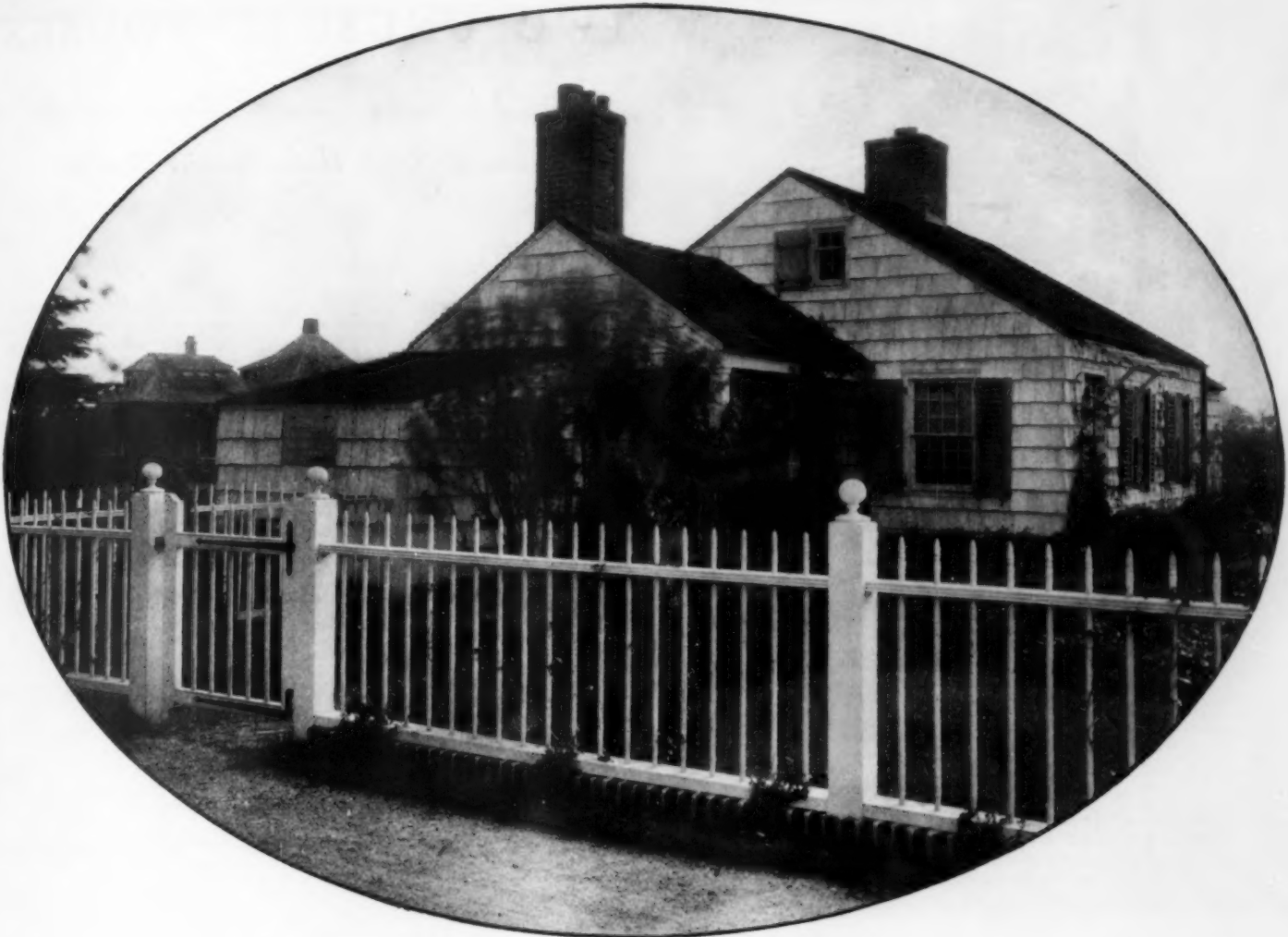
To most of us, the question of flooring has only one answer—it must be of hard wood, and it must be nicely stained and waxed. We are too likely to consider this a complete specification and are satisfied to leave any other little details to the builder. Let us examine some of these details before we build and see if we can afford to ignore them.

Taking up the subject of wood floors only, and leaving those of tile, concrete, brick, and stone for later consideration, we shall discover at the outset that the premier requisite for a satisfactory floor is a good foundation and a first-class underflooring. It is well known that a cheap floor on a well-laid base over heavy joists is far better than an elaborate and expensive parquet put down over inadequate beams and an uneven underfloor. Since joist sizes must vary with the span of the room and should be determined by the architect, no rule can be given here other than to be sure of the professional advice that is given.

**P**RESUPPOSING that our joists are correctly figured, we must next turn our attention to the underflooring. Nine times out of ten, this should be laid diagonally; five times out of ten, it is not, because laying it diagonally is more trouble—and no one will notice the difference until a few months after completion!

Underflooring must, of course, cross the joists, which run the short span of the room, and finished flooring should be laid to cross the underflooring and should run the long span of the room for the best wear and the (continued on page 708)

*It is possible now to make new floors look like old and wear like new. This Colonial room has had specially treated floors laid to simulate old-fashioned random-width boards  
(Photograph by Harold Haliday Costain)*



Whether your home be large or a small cozy cottage like the one above, it is vitally necessary to make certain that you have an unincumbered right to the use of the property (Photograph by Mattie Edwards Hewitt)

## Facts to remember when buying property

*If you would have your title clear, investigate it thoroughly  
before you buy your home*

ALBERT W. FRIBOURG

*Member of New York Bar*

FOR YEARS the Addisons had saved to buy their own home. They knew exactly what they wanted, and when they finally discovered a house which measured up to their ideal they quickly came to terms with the owner. Sitting at a table in what they thought would soon be their living room, they drew a contract for the sale of the house. It was the simplest possible contract:

"For \$12,500 Charles Smith agrees to sell his house and lot located at . . . . . to Albert Addison. The deed is to be delivered on the first of June next."

But before the first of June, the house had burned to the ground. The Addisons were heartbroken.

Heartbroken as they may have been when they heard of the fire, they were actually dumbfounded when on June first the seller's agent appeared and said in effect: "Here's your deed. Where's

your certified check?" It was only after they had consulted a lawyer that they discovered that the seller could force them to take the land upon which the house had stood and compel them to pay the full purchase price.

It is the law in most states, that unless the parties expressly agree otherwise, the purchaser assumes the risk of loss by fire or the elements the moment he enters into a contract for the purchase of a house. The reasons for this rule are technical and historical. It runs directly contrary to popular conceptions, but nevertheless *it is the law*.

However, its harsh effects can easily be avoided. See that your contract contains a clause placing the risk of acci-

dental loss on the seller. Such a clause is ordinarily included in the contract and is found in practically every printed form. But, it is never safe to assume that it is there. See it and read it, before you sign the contract.

After the contract has been made, a month or more usually elapses before title is closed. During this period, the purchaser should investigate to make certain that he is getting an absolute and unincumbered right to the use of the property. Such an investigation cannot successfully be conducted by a layman. It should be entrusted either to a lawyer or to a title company. But although the purchaser does not himself make the "title search," he should know how it is made and what it means, so that he can act upon it intelligently.

To-day, recording statutes are almost universal. Deeds, (continued on page 700)

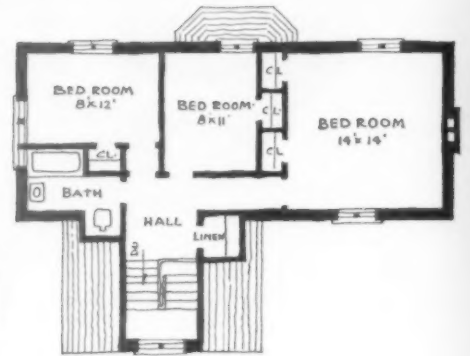
## TWO UNUSUAL HOUSES

Designed for us by Jonas Pendlebury and the Architects' Small House Service Bureau

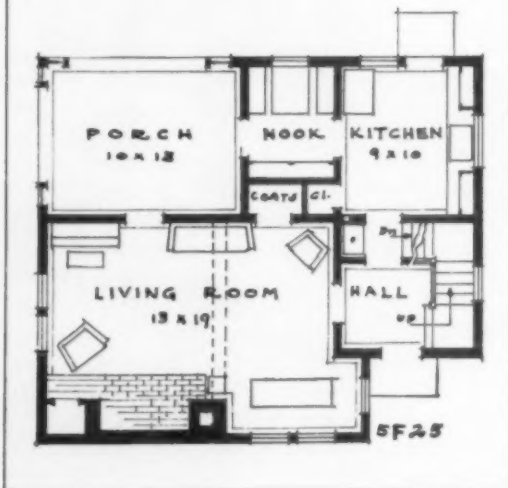


There is a definite French feeling in Mr. Pendlebury's house, at left, which shows in the emphasized vertical lines of the windows and the proportions of the mass. The house is of common brick, whitewashed; the roof of red shingle tile; the sash and shutters cream-colored. The cubical contents are about 20,000 feet and the estimated cost, \$10,000

Below, the plans of the house designed by The Architects' Small House Service Bureau show the economy of the square type of plan. The rooms are fitted together like blocks, and there is little waste space



Two points of interest in the first floor plan are the bay window in the living room, which can be used as dining alcove, and the charming circular-headed window lighting the stair landing. The closets are well arranged on the second floor



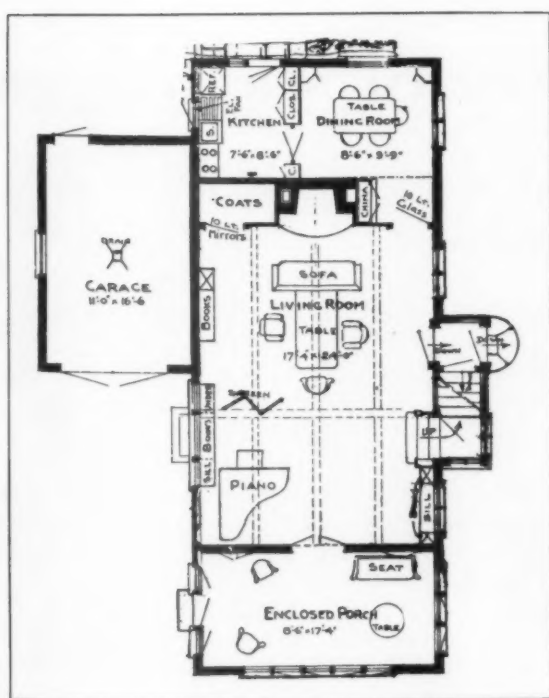
Interest is given to this house of the Philadelphia Colonial type by the use of a hood at the second floor level and by showing the bricks of the chimney through the clapboarded wall. The estimated cubage is 14,200 feet and the cost, \$7,500



## A HOUSE IN THE ENGLISH MANOR STYLE

*Designed for THE AMERICAN HOME by*

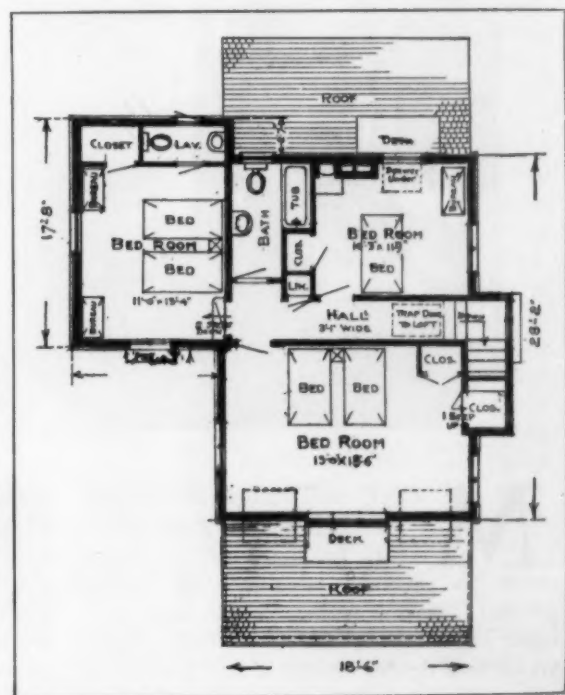
**LAWRENCE VISSCHER BOYD**



*In this charming little dwelling the architect has kept closely to the design of the small manor house of Surrey, England, and has successfully adapted the English type of architecture to the American landscape*

*The long spacious living room, opening onto the enclosed porch, is one of the most delightful features of this house. The kitchen and dining alcove complete the first floor plan*

*Three good sized bedrooms, a bath, and extra lavatory provide ample space on the second floor. The cubage of the house is approximately 29,000 cubic feet, the estimated cost, \$16,000*





*This wallpaper takes the light from the window, tones it, and gives it back to the room in an enchanting metamorphosis (Photographs by Mattie Edwards Hewitt)*



## The witchery of wallpaper

*Novel designs and colors to create new backgrounds and atmosphere in old rooms*

A. LOUISE FILLEBROWN

*There is a seeming swing to the bend of this hall partly because of the diagonal lines in the paper on the curved wall*

**M**ORE and more decorators are beginning to depend on the background of their rooms to create atmosphere. By background I mean walls, floors, and ceilings. The convention of dark floors, light walls, and lighter ceiling is still good, but now we can begin to manipulate the for-

mula to conform with the result we are trying to achieve. Eliminating the furniture of the room completely, we shall study this background question and see what can be accomplished with different materials. We shall assume that the furniture for our living room is simple, but of no particular color or period—com-

fortable chairs, a davenport, and a long refectory table. Using the same setting, we shall vary the background and look at the results.

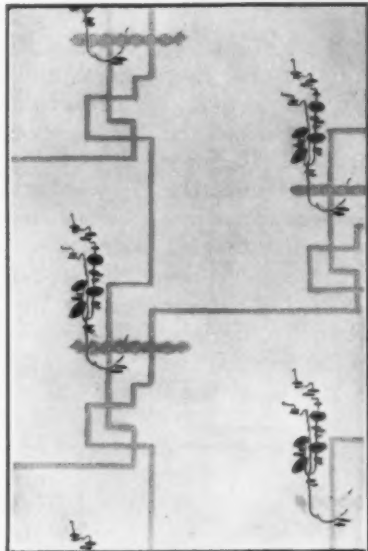
Five types of papers have been selected, each with a decided personality that instantly creates its own atmosphere. They are not excessively expensive,

ranging from about sixty cents a roll to two fifty. If our room is the normal size, say twelve by fifteen feet, and the labor of hanging paper in our town is a dollar a roll, redecorating our walls and giving our room a new personality would cost from twenty-four dollars to forty-eight—not so much as the cost of a chair.

We should like the room to be cheery and original looking, of rather modern color and design, but not exciting nor restless. Among the new papers there are several we might choose, for we are not forced to consider the color of our other furnishings to any extent. The room is dark, low, and large. My first suggestion is a grayish taupe paper, light enough to make the room much brighter. Over the background is an irregular block of several shades of gray; to brighten it, there is an unusual group of lacquer red flowers rather delicately drawn and growing definitely upward so they almost form an irregular stripe, when they are on the wall. The lacquer red on light gray gives a cool red, if there can be such a thing, and it makes an interesting but not exciting background for ruffled red organdie curtains, large hooked rugs in the same red, gray, and black designs, and

natural parchment lamp shades with bands of red at top and bottom.

Now let us try an entirely different color scheme, using a paper in pale green. It is light enough to make our room restful, yet pleasant. Every bit of light is reflected from the flat silver design of large, open flowers four inches long, on

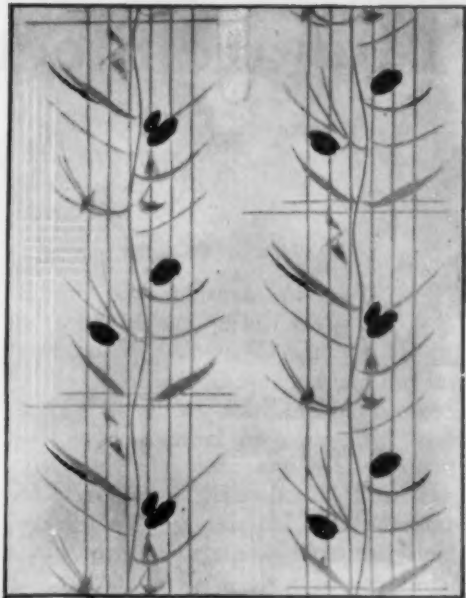


*This gray and red design, at the left, believe it or not, is cool*



*Flat silver flowers (left) on a pale green background will reflect every bit of light*

*A lattice-work of irregular diagonals (right) is entwined by a slender vine bearing magical flowers and leaves*



*A vine-like pattern (right) in turquoise blue with long slender leaves and brown flowers reaches steadily upward to lend height to a low room*



*In this floral design (left), an interrupted plaid of many small lines ties the rose, lavender, and yellow blossoms*



of green, use pale lemon-yellow curtains, crossing each other in deep curves and held back with tiebacks of silver metal leaves. A pale gray or a gray and green carpet would complete the picture. Of course, the light yellow should be used again in shades and cushions, and small pieces of pottery.

That's a rather feminine, frivolous living room, isn't it? Let us suppose our next choice is for the masculine owner. There is a trend toward diagonals that is pleasing for the constantly used room. The diagonal pattern does not dominate, yet its broken, rising lines give us a chance to use blending color and yet to keep the wall balanced and impersonal. Our choice is in shades of tan, light green, and gold. The diagonal is really formed by a series of small bands of blended color in a Roman stripe effect. There is one characteristic of this paper that is particularly interesting. It is covered with tiny horizontal lines of lacquer red and light green, broken and irregular but all traveling across the diagonal. They make



slender stems with long bending leaves, against the green background. All are brought out in a perfectly flat silver paint. The effect is modernistic, but so subtle and pleasing that it is welcome in the most conservative home. With this paper on the wall, I would paint the woodwork and ceiling the lightest shade

the wall seem very flat, cause the wall-paper to recede in a peculiar way, and the whole effect is inconspicuous and restful. This wall, however, is rather severe. With light tan woodwork, Oriental rugs, and a deep cream ceiling, it would need still further interest in the hangings. I would advise one of (continued on page 720)

# The architecture of the French provinces

*Notes on the design and construction of the little farmhouses of France by the architect for The American Home*

PAUL WINDOM

**M**ANY consider the modest domestic architecture of the Cotswold Hills of England unique, because of sincerity, varied picturesque qualities, and true harmony with its own landscape setting. Unconsciously one senses in these cottages and farmhouses a respect for fundamental principles of good design, which probably was itself unconscious on the part of most of their builders.

There have already appeared in this series some notes on the Cotswold houses which, within their necessarily limited scope, suggest the charm of the architectural qualities of these cottages and their adaptability to modern American plan demands.

It is inevitable, however, that something, at least, of the original character and quaintness of the Cotswold villages and lanes should have disappeared along with the sheep and wool trade which created them. Their accessibility from London, Oxford, and Stratford-on-Avon has made of them to-day a favored excursion for tourists or for week-ends, and there is noticeable an atmosphere of self-appreciation about some of these villages which, together with the too frequent signs of antique shops and tea rooms, seems to me to detract from their sincerity. In these energetic days of progress and easy communications this is to be expected and we are reminded of the fate of Concarneau, Martigue, Eze, and Porto-Fino, not to mention our own Gloucester or Cape Cod.

There exists a region of France, however, where may be found to-day a simple rural life and architecture that have preserved much of the ingenuous charm one associates with the Cotswolds of a century and a half ago. I hasten to add, however, that there are increasing indications that this cannot be for long.

That forbidding range of mountains known as the Cevennes and familiar to the multitudes who, Mediterranean-bound from Paris, have looked out across the Rhone, explains the persistence in Auvergne and the Cantal of many old traditions in building, as well as in the life and customs of its people. To cross

these mountains takes time, and that area bounded by Le Puy, Aurillac, and Clermont-Ferrand may not easily be reached and explored in haste. Railway facilities are limited as yet—and the roads are winding and steep, often impassable during the many winter months of snow and cold.

As always in regions left to their own resources for building materials, Auvergne has produced its own native architecture. Stone for its walls, oak

In a general way the Auvergne house appears more roughly built, with less of finish and care in the masonry, but this seems to emphasize its effect of solidity. Its proportions and roof lines are quite as pleasing.

The wealth of Auvergne, especially in its southern part, is in its red and long-horned cattle, a hardy breed. With a climate too severe for the vineyard or for the orchards and gardens which lie, on one side, along the Rhone valley and, on the other, in the Limousin, it is a land of pastures. This is, of course, reflected in its farmhouses, which, except in important farm groups are planned for the housing of the cattle as well as their owners and are therefore largely barn. With the warmth and insulation provided by the cows and surrounding lofts of hay, these farmers are able to face the Auvergne winter with some equanimity. In addition, the immense fireplace and the snug alcoved beds complete the picture of protection. The house walls are mostly of rubble, often as much as three feet thick with corners of roughly squared stones. Among the older houses the gable coping is frequently of large flat stones, stepped up to provide easy means of reaching the roof for repairs.

The chimneys are of stone and are most often centered, as in the Cotswolds, on the ridges, or in the case of hipped roofs brought through the ridge or carried up from the house walls at the ends. The lintels are massive and sometimes show a crudely carved date or crest. The carved stone doorway of a free Renaissance style is rather unusual, and found only in the more important villages. Window shutters are typical and are either allowed to weather or are painted a dull green. Windows are

mostly small casements of three lights with heavy muntins. The thatched roof is, of course, disappearing. The slate or stone tile is taking its place, and it must be told that the corrugated cement sheet and the thin strip-shingle is now being introduced in the most progressive communities.

The *salle commune*, or general living room of the Auvergne (*continued on page 730*)



*A farmhouse in Auvergne, photographed by Mr. Windom, which bears some resemblance to the house he designed for the American Home*

and chestnut for its massive framing, and heavy boardings, straw, and slate for its roofs. Thus, in what constitutes the genesis of an architectural style we recognize how much in common these farmhouses of Auvergne must share with those of the Cotswolds. Here, also, we find the steeply pitched thatched roofs, the stone roof-slates and chimneys, and the narrow stone-walled lanes.





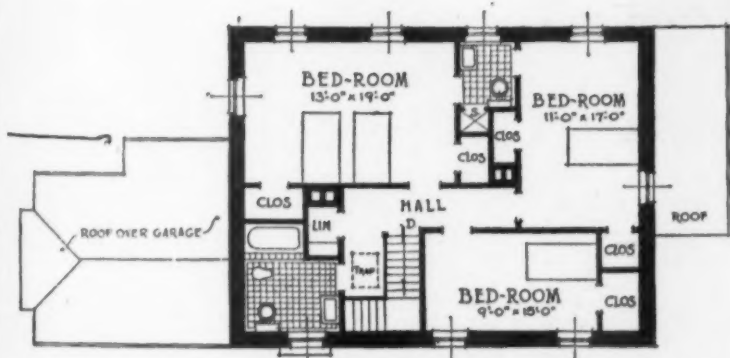
*It was indeed a difficult task to turn the built-in barns and lofts of the Auvergne farmhouse into an American dwelling. A comparison of this adaptation with its French prototype on the opposite page shows how well Mr. Windom has done this*

## THE FRENCH PROVINCIAL HOUSE IN AMERICA

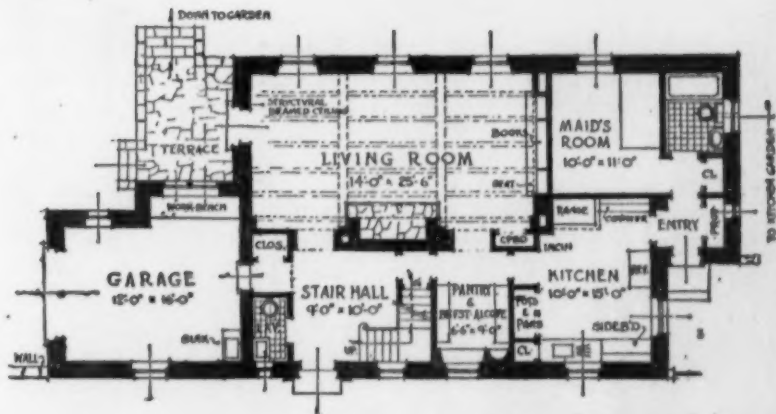
*Designed in France by PAUL WINDOM, Architect, especially for THE AMERICAN HOME*



*The one-time barn doors of the French house have been turned into doors for the garage in this wing of the house. The original designs of these has been closely followed as have the pigeon lofts above*



*In the second floor plan (above) the bedrooms are of such size as to permit of the bed standing out in the room, thus doing away with one of the outstanding features of the French provincial house—the built-in-the-wall bed. The bathroom, too, is modern*



*The first floor plan, at the right, has been carefully thought out and is strictly up-to-date and American, yet many of the details mentioned in Mr. Windom's story of the Auvergne house that he copied will be found in his adaptation*



FARMHOUSE CHIMNEYS OF AUVERGNE.



AN AUVERGNE CHAIR.



A CHARACTERISTIC FARM WINDOW

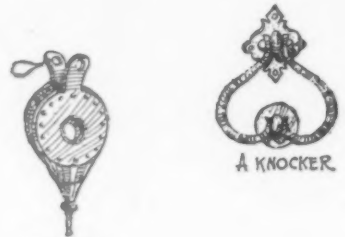
WARMING PAN.



CUPBOARD-HINGE & ESCUTCHEONS OF WROUGHT-IRON.



RIDGE CROSS OF STONE.



BELLONS.

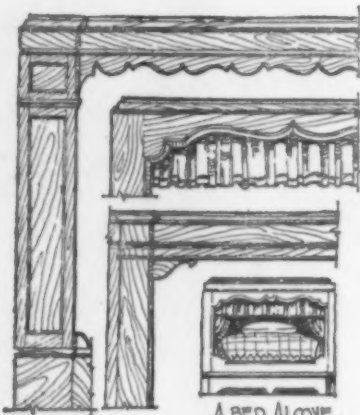
A KNOCKER.



A FARMHOUSE DOORWAY NEAR MURAT.

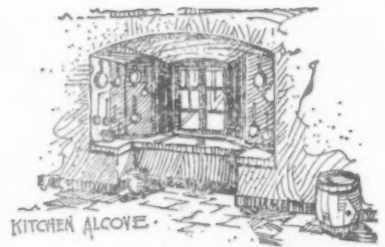


POTS & PITCHERS ARE OF POLISHED COPPER.



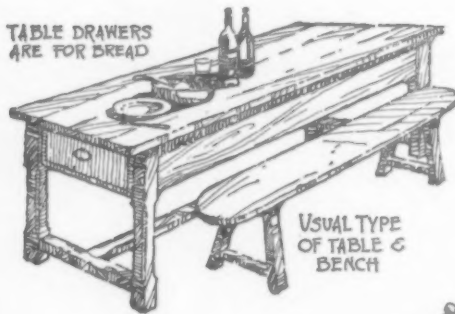
A BED ALCOVE.

WOOD VALENCES OVER BED, ALCOVES

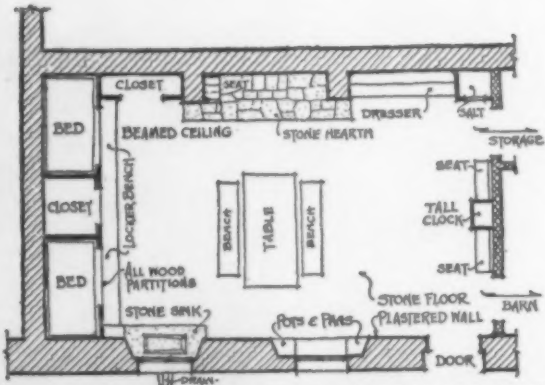


KITCHEN ALCOVE.

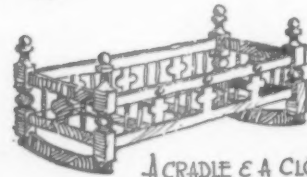
TABLE DRAWERS ARE FOR BREAD



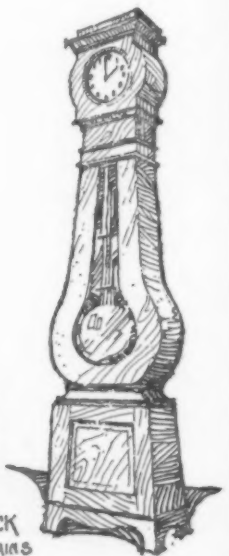
USUAL TYPE OF TABLE & BENCH

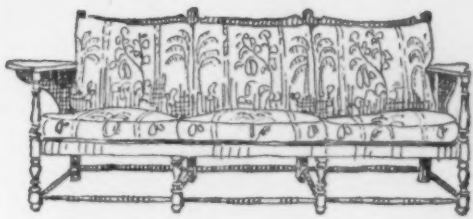


-A TYPICAL LIVING-ROOM PLAN OF OLD AUVERGNE FARMHOUSE-

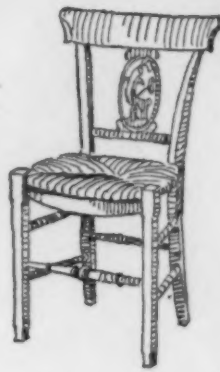


A CRADLE & A CLOCK FROM THE CANTAL MOUNTAINS





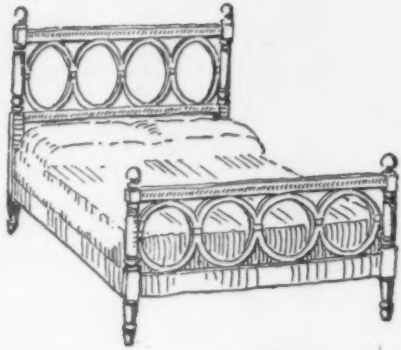
SOFA.



CHAIR.



CHAIR



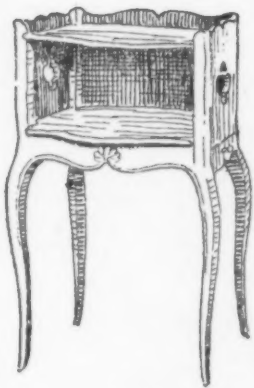
BED.



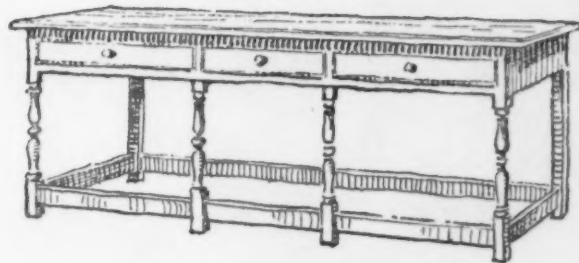
LAMP.



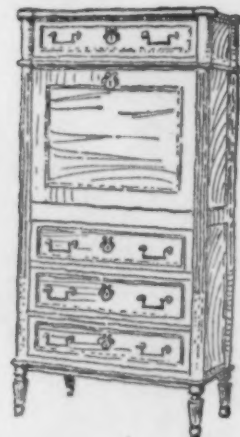
·SNUFFER.



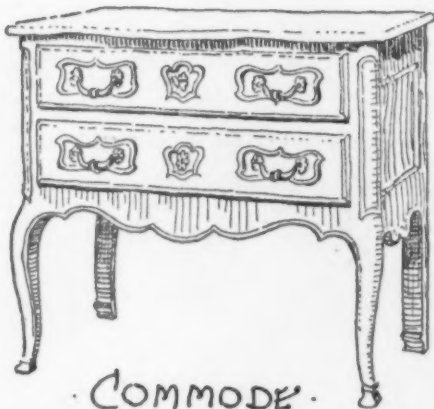
·NIGHT TABLE.



·TABLE.



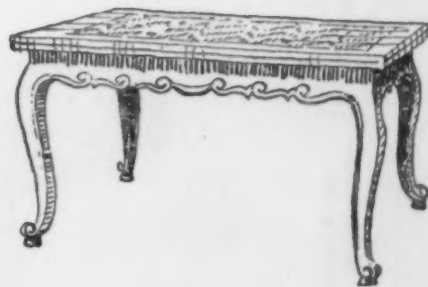
·SECRETARY.



·COMMODOE.



·CHAIR.



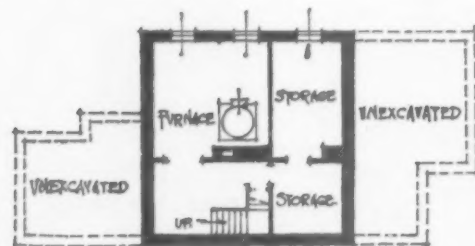
·TABLE.

On the left hand page are some details Mr. Windom sketched in French farmhouses; above are a few examples of the French provincial furniture that can be purchased readily in this country. Most of it is made of walnut. None of the pieces shown here is an antique but all are excellent reproductions. The lamp, night table, and dining table

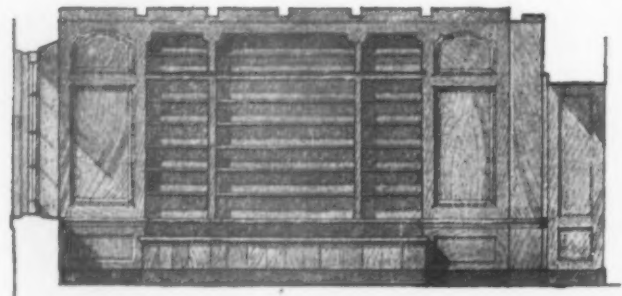
(lower right) are by courtesy of Cassé, Ltd. The chairs (upper right) courtesy of the Three New Yorkers. The bed, secretary, and commode, courtesy of R. H. Macy & Co. The large panel in the secretary drops down, revealing a writing desk. The sofa and large table courtesy of Lord & Taylor. The armchair, courtesy of Elgin A. Simonds Co.



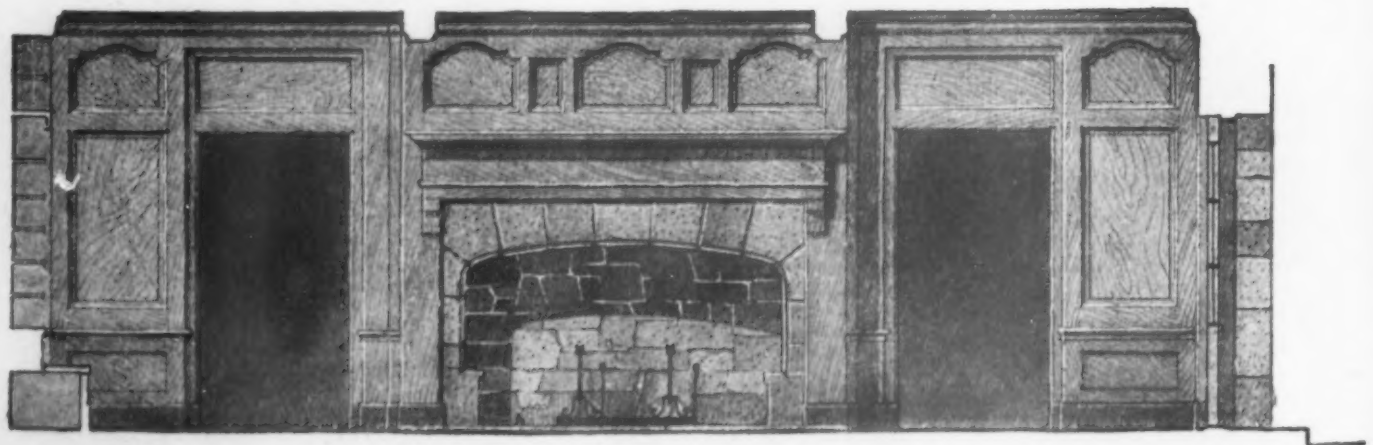
The rear view (above) of the French house gives a better idea of its close adherence to tradition than does the front rendering. The long roof line is particularly pleasing, broken by dormers at either end for cross-ventilation



Economy in building this house may easily be effected if the architect's suggestions are followed. Mr. Windom has put a cellar only under the main part of the house, not planning to excavate under the garage and service wings



In the book shelf end of the living room (right) and the fireplace wall (below), the woodwork may be of white pine, clear or knotty, lightly stained. The wainscot, which is carried around the other walls, may be of wood or may be plastered to line of wood corners



# Furniture of the French provinces

*A livable type of decoration especially suited to American homes  
and to American home life*

**I**N ADDITION to all the other French styles of decoration, the styles of the Louis', the Directoire, the Empire, there is the French provincial. This begins fundamentally with Louis XV and, fundamentally, it ends there. In what is known as *le siècle de Louis XV* the French provinces, reasonably well-to-do, awoke to the joys of ornamented furniture, and a style was developed at that time which has never ceased (at least until the late nineteenth century) to charm the good French people. Sometimes they looked at Louis XVI pieces and sometimes they copied them, or worked in the ornamentations with Louis XV background, but no other style has ever really caught their fancy.

So we must believe that French provincial furniture is an expression in wood of the very soul of those French people whom we, like Napoleon, love so well. Not the aristocrats, nor the Parisians, but the thrifty, wine-drinking, song-making, solid citizens of the beautiful

HENRY HUMPHREY

French provinces. Like the furniture of every other rural people, the provincial pieces are honest as the day is long and built primarily for use. At the same time they have that fatal Gallic exuberance. They refuse to be straight like Windsors, or Hitchcocks, or the Umbrian chairs of Italy, or the fraileros of Spain. They refuse to be heavy, or to be narrow; they remain always curving, graceful, commodious, as wide as a bibulous Frenchman.

The French pro-

*The French provincial style and the American Colonial have much in common. Simplicity rules in both. But the curving lines of the Louis XV style, upon which provincial decoration is based*

vincial chairs are easily recognized. They are Louis XV in design—or Louis XVI with Louis XV ornamentation. But they have not the sophistication of the more formal Louis XV furniture. They are often nicely cushioned with loose cushions tied into the chair. The illustrations on page 675 show some of the most attractive types.

We have mentioned only chairs. The other French pieces are more ornamental—and fewer. They are not so necessary in our modern scheme of things as chairs and tables. The armoires, (continued on page 740)

*make it somewhat gay and more exuberant than the American Colonial. It is, however, as the picture at the left will testify, based on truly rural antecedents*



# The somber mattress becomes gay

*A variety of modern fabrics in new designs replaces the staid and stolid tickings of grandmother's day*

MARGARET HARMON

*Photographs by courtesy of Simmons Co.*

**T**HE WIDESPREAD movement to beautify the home has penetrated well below the surface. The good housekeeper of to-day is not satisfied unless she feels sure that the inside of her cupboards have attained a state of spotless perfection identical with the living room itself. The same urge to "follow through," makes her insist that her bed when stripped shall be as harmonious as when arrayed in the finest of linen.

The mattress of the moment has come a long way from the depressing standardized blue and white ticking of our grandmother's time. The change has been gradual. Blue and white ticking gave way to tan and white ticking, narrow stripes broadened and took on color. To-day the modern mattress may harmonize with the most tasteful room, and the box-spring which insists on revealing itself between the sheet-covered mattress and the side of the bed, need feel no shame.

Improvement in the construction of the mattress was the forerunner of the change in its external appearance. After working conscientiously to perfect several different grades by radical alterations, the manufacturer looked about for a means to express forcibly just what he had accomplished. The same old blue and white ticking conveyed nothing

whatever to the shopper. The mattress looked exactly the same as before. Persons, however wise, are influenced by appearance, and it was obvious that a signal alteration in the covering of the mattress would excite interest in its internal improvement. It was with this idea in mind, that some far-seeing manufacturers put stylists to work on the humble mattress. The coverings selected must be as durable as of old, but they must have sufficient novelty to be in keeping with other changes which have taken place in the home.

The success of this experiment is apparent to the casual shopper in the bedding department of any large store.

Formerly, the choosing of a mattress was a dull task indeed, something to be done as quickly and as seldom as possible. Drab colors and limited range of patterns provided poor distraction for the average woman. The modernized bedding department is an alluring invitation to linger, to study designs and then purchase better mattresses. Gay colors and patterns lend interest to the problem of harmonizing bedroom and bedding.

Even an old mattress renovated and clad in a new covering seems an acquisition. At one of the stores that is an earnest advocate of the modern mattress the story is told of a charming old lady who had just invested in a dainty bedroom set of painted metal. She had chosen a conservative design and was about to decide on the upholstery for her bedding.

The salesman indicated a pattern alternating narrow and wide stripes in beige and cream. The old lady brushed it aside with a quick impatient gesture.

"Oh no," she exclaimed, "I don't want any stripes to remind me of the mattresses I've had all my life. If I'm doing this room over, it's going to be new from the springs up. Show me some of that modernistic ticking in bright colors that you had on the bed in the window." (continued on page 722)



*Here an all-over pattern in rose and damask was chosen for a room that is French in character*

*Hangings and bedspreads were also in rose. Below: Detail of medallion and all-over leaf patterns*





*Chintz furniture covers and hangings at the windows, a dressing table draped with dimity, and a hooked rug make this room gay and feminine (Photograph by Mattie Edwards Hewitt)*

## The practical bedroom for a young girl

*A combination living and sleeping room where intimate friends  
may gather for a cozy afternoon*

MARJORIE LAWRENCE

*Photographs and prices by courtesy of Lord & Taylor, Stern Bros., Hearthstone Furniture Co., and Bloomingdale's*

THERE is no better way of fostering the home-making instinct in a young girl than by giving her a room which she may call her own. Carelessness and untidiness in girls of the high school age indicate lack of pride in personal possessions. An attractive and tasteful bedroom inevitably receives care and attention.

In some households, of course, it is impossible to give each daughter a room to herself, but whenever it can be arranged it is highly desirable. I have seen a little attic room, tucked under the eaves of an old house, made into such a fascinating place that its owner glowed with pride whenever she exhibited it. She deserted a large and elaborate room on the lower floor, that she shared with her sister, in favor of this quaint retreat that she could have all to herself. She furnished it almost entirely with her savings from Christmas and birthday presents and from a carefully hoarded

allowance, and the result delighted her and all her visitors.

Many young girls, however, have little feeling about possessions. They are not particularly interested in selecting their own furniture or in keeping their rooms in order. Usually when a girl of this type is given a charming and suitable room of her own, her latent home-making capabilities develop. At first, her surroundings compel an unwilling admiration, but a grudging care for the new acquisitions becomes involuntary after a while, and pride of ownership asserts itself. Indifference gives way to the desire to have her own room neat and clean.

There are many possibilities in outfitting a girl's room, even for a moderate sum. At the end of this article I have summarized three rooms which may be

furnished for under two hundred dollars, exclusive of rugs, draperies, and bedspread. The total cost, consequently, assuming that all new furniture were purchased, could range anywhere from \$200 to \$300, provided the accessories purchased were in keeping with the actual furnishings.

It is, however, rarely necessary to re-furnish completely. Usually one unearths tables which can be attractively re-painted, rugs which can be dyed or re-woven, or an overstuffed chair which needs only a gay slip-cover to make it a thing of beauty. It is always wise to buy or make new draperies or curtains, as there is nothing which so transforms a room.

A set of furniture appeals to many people because it seems to represent the easiest way to furnish a room. There exists also the theory that a complete ready-made suite costs less than the aggregate of individual (continued on page 734)

# Science doctors the chimney flue

*Experienced builders now cure the smoke ills of the fireplace through careful planning and good construction*

**I**N THE tangled complexity of our lives to-day, one corner of the home still holds its old time serenity. Around even the most ultramodern fireplace, the spirit is quieted. Worry and ambition alike are wafted away for a little time on dancing tongues of flame.

As the fire burns, we little appreciate the thought and experimenting that have gone into the construction and perfecting of its setting, the fireplace. In the days of craftsmen, only a gifted few among masons possessed the occult instinct for disposing of smoke in all weathers. But to-day behind both the remodelled Colonial hearth and the formal beauty of a newly built period fireplace lies the same scientific construction. Draft and smoke are controlled by ingenious mechanical devices and a definite formula. Ashes disappear by magic through the floor. Even the wood box fills itself from the cellar. While retaining all its charm, the fireplace has taken to itself the efficiency of the twentieth century.

Among the first to lend practical talents toward utilizing more of the heat that was wont to roar up wide chimney throats were Benjamin Franklin and Count Rumford. Their simple discoveries are being carried further to-day by engineers, who are planning extensive research, in cooperation with a large university. Much is yet undiscovered about the vagaries of air currents, which determine the success or mediocrity of a chimney, they say. They deplore the wastefulness of the open fire—but they, too, yield to its universal lure and homelike appeal.

The old and experienced chimney builder knows well that the draft, which feeds the life-giving oxygen to the flames, depends on the

ELIZABETH HALLAM BOHN

tightness, height, and area of the chimney flue. As the hot gases rise from the fire through the chimney, they tend to equalize the unbalanced pressure at the base of the flue which, according to the laws of physics, will persist as long as the fire burns. The result is draft. The greater the difference between the temperature in the flue and that outside, the better the draft. The summer fire burns with less fervor because of the lesser difference in temperature.

Friction against rough or projecting surfaces will prevent the easy passage of the smoke and gases up the flue. So the modern chimney is built around a smooth fireproof lining, which not only prevents disintegration of the bricks and

mortar, but allows the draft full right of way. The chimney must extend at least three feet above the roof to pull the air through the fire below. Decorative colored chimney pots, exhaling an atmosphere of Paris or the provinces, lend a charming note to homes of appropriate types, when high trees or gables necessitate a greater chimney height to keep erratic air currents from eddying down the flues.

The specialist demands that the area of his chimney flue must be not only in the right proportion to the height of the chimney itself but also in definite relation to the size of the fireplace opening. He allots a separate flue to each fireplace. The ideal square or round flue, running straight up without a bend must be not less than one-tenth to one-twelfth the

area of the fireplace opening. The sloping flue needs a greater allowance, as does the one of rectangular shape through which the whirling smoke passes less readily. And the wise mason will never slope his flue more than seven inches to the foot nor allow the long side of the rectangle to be more than four inches greater in length than its shorter side.

The home-builder not inclined to mathematics will prefer to leave these calculations to the skill of an experienced builder. He is interested, however, in knowing that the old odorous fireplace can be brought to a state of enjoyable usefulness by raising up the hearth to reduce the aperture, or by the addition of a metal hood to keep the pungent smoke from creeping into the room. Recently we saw an eight inch strip of plate glass instead of a hood inserted in a fireplace in a handsome old Tudor hall. Through it the flames can (continued on page 716)



*When the winter wind is sharp and keen, and logs are piled high on the hearth, the cheerful blaze in this well-built fireplace will never smoke (Franklin P. Hammond, architect. Photograph by Harold Holiday Costain)*



# Modern skeletons in the closet

LEE McCANN

Illustrations by courtesy of the Murphy Door Bed Co. and Holmes Disappearing Bed Co.

THE skeleton in the modern closet is very friendly and moves on noiseless bevelled rollers instead of clanking its bones in the time-honored fashion. It is the genie of the double life that many homes and apartments live to-day, cleverly hiding their secrets behind the closed doors of closet, bookcase, or other unexpected places of concealment. When the truth comes out, as truth will always do, it becomes not the scandal of the neighbors but their envy.

The skeleton in the old-time closet meant dark doings on the part of one's ancestors; the skeleton in the modern closet means clever management on the part of one's contemporaries. For when a long head plans out cubic feet, space may double its usefulness and halve its cost, in the home, if not in geometry! Every room that is planned when a new home is built is estimated at over a thousand dollars in construction. And here the skeleton enters the closet.

The largest piece of furniture in the home, barring a grand piano, is a bed. Necessary as it is by night, it is entirely superfluous by day, except during illness. It seems unreasonable, therefore, when space is at a premium, to allow this article of furniture to usurp so much needed room, if there is a way to avoid it.

It seems strange that it should have been the West with its great open spaces instead of the East with its limited quarters, which invented the disappearing bed. For years magical tales have come out of California, beautifully embroidered to make the telling more dramatic, of beds that materialized out of the wall, from under the table, down from the ceiling or back of the writing desk. Now the entire country is finding out what the possibilities and advantages of the concealed bed are.

ITS GREAT advantage is that it requires a minimum floor space and materially adds to household efficiency. A concealed bed, be it said for the information of the timorous who may cherish memories of the dangers of the old-time folding bed, could not fold if it wanted to. It is not built that way. A concealed bed "up-ends," with no change of its structure, enabling it to be rolled into a closet as shallow as eighteen inches.



Equipped with box-springs and a fine mattress, this bed becomes a modern skeleton in the closet, turning on a pivot to glide out of sight into an unbelievably small space

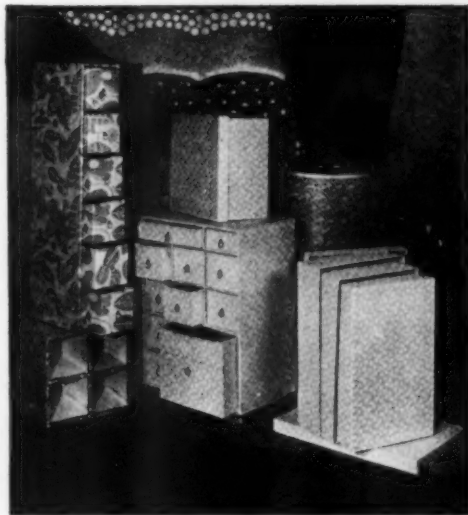
The newest types operate on a pivot, which swings them in and out. So smoothly is this mechanism geared that it responds to a touch. No effort is required to up-end it, let it down, or twirl it about. There are all sorts of technical reasons for this with much learned talk about ball bearings and such, but the non-technical will prefer to test the mechanism for themselves. It is a delight to find how easily it swings.

The concealed bed permits floors to be cared for much more easily. With it, there is no bending over and peering under, with strain on the back and the

disposition, in the attempt to get out the dust that accumulates on carpet and floor beneath the stationary bed. It is also much easier to keep the bed itself immaculate and free from dust, because when it is up-ended the springs and the underneath part of it may be cleaned in a manner that is impossible when the bed is down.

THE BIG thing, however, is the way in which one room is made to serve as two rooms. The capacity for accommodation in house or apartment is practically doubled through installing concealed beds. A living room is changed into a sleeping room and back again in the twinkling of an eye. Or a sleeping room becomes a sewing room, a den, or a play room for the children. These beds are also ideal for sleeping porches, because they can be wheeled indoors out of the way during the day, and, if there is no sleeping porch, they can be trundled close to the windows on hot summer nights.

There are a number of types of installation. If one is building, the architect can best plan the space and arrangement. But there is also a special engineering service maintained by the manufacturers of these beds, which will furnish all manner of reliable blue prints and advice gratis. (Continued on page 724)



Furnishings for the modern closet come in many happy designs and are paper-covered, chintz-covered, or of wood. Boxes and drawers are nested or pyramided to conserve space (Courtesy of Gimbel Bros., Inc. Photograph by Dana Merrill)

# Bringing your heating plant up to date

*Thermostatic heat control is a modern health principle and automatic stoking a modern labor-saving device*

**W**E BECOME so used to the common methods of heating homes by steam, hot water, or warm air, that we do not realize that they have many defects which are constantly being remedied. Appliances are put on the market that make existing equipment obsolete in terms of real comfort. New principles are applied that should be incorporated into any new installations. A few of the more important developments of recent years are discussed here for the benefit of those who are trying to keep their homes up-to-the-minute.

Certainly one of the most outstanding changes is the widely accepted principle that all heating systems in the home should be controlled automatically. For many years, now, the harmful effect upon the health of overheating in the winter has been known. When the temperature in the house goes above 70 degrees, the drop in bodily efficiency is very marked. Also when one steps from a house, warmed to 80 and 85 degrees, into wintry air, there is real danger of catching a cold, since the blood vessels in the lining of the nose become anaemic and ripe for the invasion of bacteria.

**Y**OU do not have to go far to find a steam-heated house that is, on the average winter day, very hot and stuffy. Perhaps your own home is. The ordinary steam plant tends to overheat the house, making the temperature run up to 80 degrees in the milder days of winter, because the radiators were designed to keep the rooms at 70 degrees when the outside is zero. When you realize that the heating plant gives out just as much heat as is needed under these extreme cold conditions, you can understand why it is that, when the thermometer hovers around 30 and 40 degrees outdoors, the house becomes too hot inside.

If you are working or reading you may not realize how uncomfortably hot

## H. VANDERVOORT WALSH

*Assistant Professor of Architecture  
Columbia University*

it has become until you are seized with a headache, or someone comes in from outdoors and exclaims, "It's terribly hot in here! Why don't you open a window?" Thereupon is enacted the old play: a window is opened, cold drafts rush across the floor, one of the children sneezes, and Grandma complains of cold feet. Down go the windows again. Radiators are turned off and you go back to work. In about half an hour Grandpa will be seen sneaking around, turning on the valves of the radiators. It is much easier to let it get too hot than to go through this performance all of the time.

That is why no heating plant to-day is really complete without a thermostat, which automatically

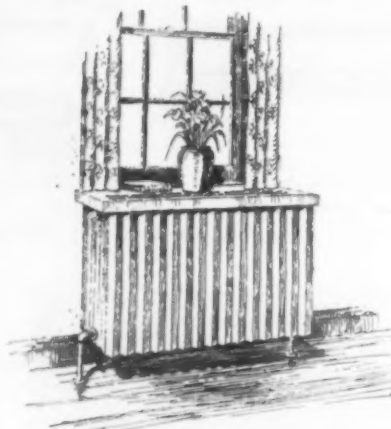
oil burner, or the automatic coal-stoker, or turns on the gas flame. Then when the house temperature has been raised to 70 degrees, the thermostat cuts off the current, the combustion in the boiler dies out, and cooling of the house sets in.

Even if you do not have one of the automatic firing devices, like an oil burner, the thermostat can be made to control the temperature of the house fairly well. The dampers, which check or stimulate the fire, can be operated by it. Generally speaking it is found to be more satisfactory with hot-water or warm-air heating than with a steam plant, since the former can be made to distribute mild heat during the warmer winter days, but the latter is not so flexible.

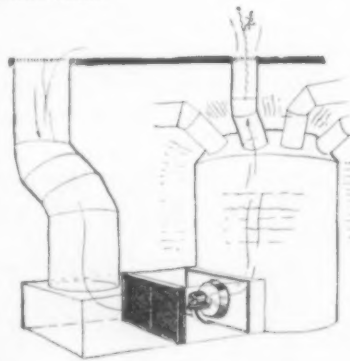
**T**HE improvements which have taken place in thermostatic control in recent years mark real progress in good heating of the home. Certainly any heating plant which is not equipped with some type of automatic control is very much out of date. It is a simple matter to get one installed before the cold weather sets in at a cost of \$150 or less.

We have now reached that period when we can say that the old method of stoking a furnace by hand all winter is decidedly out of date, for there is now on the market a fuel-feeding machine to fit every pocketbook. Beginning at the lowest priced, we have the boiler equipped with a magazine that feeds buckwheat coal to a slanting grate as it is burned away. This is known as the magazine feed

type, and it is entirely automatic in operation. The fuel  
(continued on page 750)

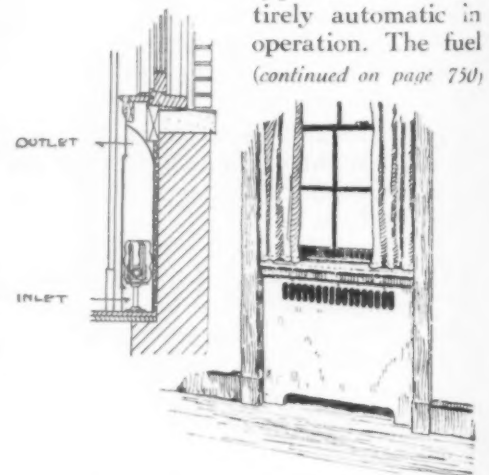


*Air does not circulate around this type of radiator; the heat radiates directly into the room, thus making the floor of the room as warm as the ceiling (Courtesy of Campbell Metal Window Corp. and American Radiator Co.)*



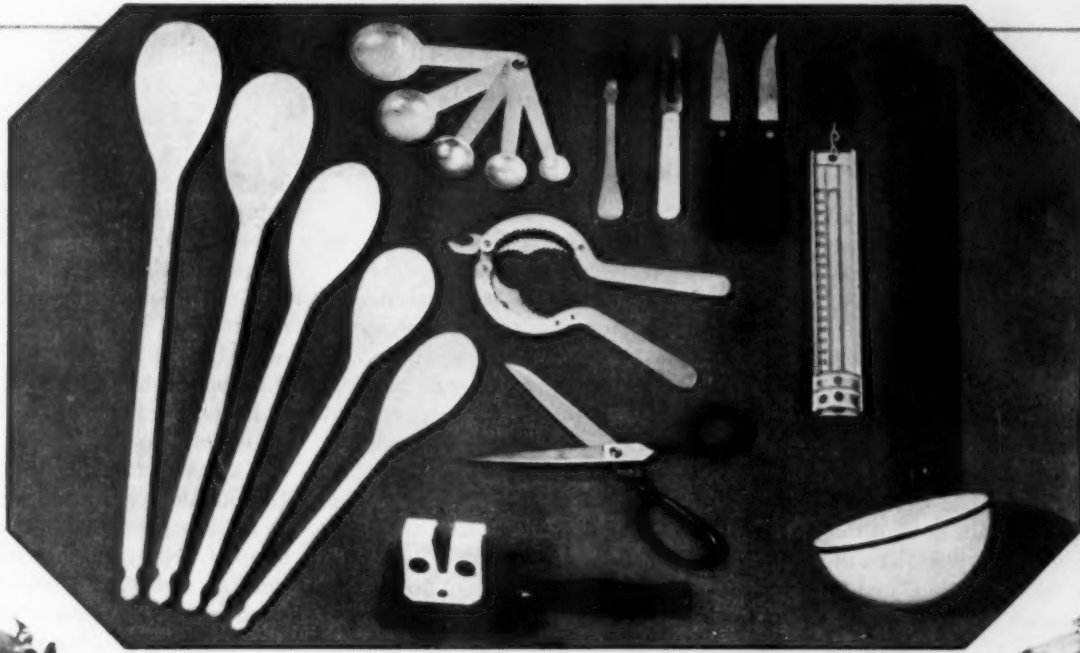
*Warm-air heating is regaining in popularity due to several improvements, such as a screen filter to keep out dust and a fan to drive the hot air into cold portions of the house*

regulates the temperature and keeps the house warmed to 70 degrees and *does not let it get hotter*. With the now common oil burners, gas-fired boilers, and automatic electric coal-stokers, the thermostat can be made the complete master of the temperature inside of the house, if it is located in some central position. As the temperature drops below 68 degrees, this sensitive instrument switches on the electricity to operate the motor of the



*Radiators with brass or copper fins, which greatly increase the efficiency, are easily hidden in the walls (Courtesy of Rome Brass Radiator Corp.)*

## AIDS WHEN MAKING JELLIES AND JAMS



Long handled wooden spoons neither get hot nor fall into the jam. Measuring spoons are essential. The corn raking device is simple and useful. The small parer has a stainless handle. Paring knives should have thin tapering blades. The jelly thermometer is most useful. Use a ladle for filling jars. Have a knife sharpener. Large sharp scissors are useful in cutting beans. For opening cans, this device is adjustable to any size.

*Courtesy of Hammacher, Schlemmer & Co., Ball Brothers, Hazel Atlas Glass Company, Kerr Glass Mfg. Co., Atlantic Col-Pac Canner, National Steam Pressure Cooker, Research Kitchen, American Stove Company, Hamblin & Russell Mfg. Co.*



A pressure cooker kettle is strongly constructed, and tightly sealed; no steam can escape. A pressure of from five to fifteen pounds is developed.



Water bath canners may be had in either round or oblong shapes and are in retinned or enamelled ware. This one holds six jars.

Standard measuring cups are essential to proper proportions. A charming nest of glass bowls is immune from sudden changes of temperature. A jelly bag on a rack is more convenient than make-shift methods. The basket is used for holding fruit and vegetables when blanching.



If you have not a water bath canner or pressure cooker, these folding racks are very useful for lifting jars in and out of the hot water bath. The large rack holds eight jars. Note the individual folding racks; also the jar lifter, which can be used on any size of jar.



Photographs by F. M. Demarest

# Choosing fences that are fitting

*Inclosures that serve the two-fold purpose of adding beauty to the house and protecting property*

**I**T HAS taken the sophisticated judgment of landscape designers and architects to show us that fences may be beautiful. So many kinds of fences may be bought ready-made or adapted from the attractive stock designs of fence manufacturers that few people consider it worth while to build their own. The home owner's problem, then, and that of his architect becomes one of choice.

To the thoughtful architect the planning of a fence is part of the job of designing a home. It is an important embellishment, which he cannot afford to pass over. It enhances the property, lending spaciousness, even though it may stand only a few feet away from the house itself. The grounds are made beautiful by its addition. With country homes, fencing may often become an integral part of the design of the house,

LEONORA DE LIMA ANDREWS

balancing a wing or carrying out the line of a sloping roof or gable.

In city homes, there is often just a few feet of space separating the house line from the actual edge of the property. Once this was left to bleak paving-stones. Now the builders of apartment houses and of private homes have shown us how to use this small bit of space to add dignity to the façade of the house. This may be done by the simple addition of an iron grille fence, possibly backed by a hedge of height convenient to protect the first floor windows from the gaze of the curious. Or, if shrubbery is not practical even a low rail piping fence will give the home some privacy.

City back yards, with their paved walks and clothes lines, relieved only by a pathetic geranium or the bush that

is too hardy to be beautiful, are bleak things at best. Unless one makes some effort to better them, they merely emphasize the depths of their place in the city canyon. An attractive improvement upon the old-fashioned backyard may be achieved by the simple introduction of lattice or rustic fencing.

Builders of lattice work may have had in mind the problem of enlarging the too-apparent smallness of most yards. Lattice cleverly fashioned into a design in false perspective may give the impression of archways leading from the garden through vast arbored lanes. Only the skeptical investigator will discover that the effect is produced by nothing more spacious than a stage scenic artist's device, and that the "arbored lane" occupies only a half inch or so of actual depth. Thus fences and their embellishments may be used (continued on page 710)



*A grille fence, in addition to its decorative value, has stability and strength that make it highly suitable to confine the boundaries of a plot (Photograph by Mattie Edwards Hewitt)*

# Growing shrubs for cut flowers

*A veritable godsend to the busy man, they will endure neglect yet increase in beauty with the years*

ELIZABETH LEONARD STRANG

WHEN the fall planting season opens, we really ought to do more than just plant bulbs for spring bloom and set out shrubbery for border and screen. For the shrubs themselves have a range and wealth of bloom that might as well be given some real thought from the cut flower point of view. There is room to grow some shrubs other than Roses in almost any garden with a view solely to the flower crop.

Shrubs can be made to lend to the home something more than a setting. Sprays from the flowering species placed in our vases add to the best appointed room new notes of charm and atmosphere. So by taking stock in September of our shrubbery needs, we shall be ready after the leaves have fallen and the wood becomes mature for transplanting, to execute the plans we have worked out.

*Roses as flowering shrubs. Why not indeed? And among these single "briers," hugonis with yellow flowers, and ecae with large red prickles are beauties*

*Japanese Snowball is sturdier than the old-fashioned commoner one, is better in habit and leaf, and less likely to harbor insects*



*Weigela or Diervilla is gracious indeed, blooming even in the shade of big trees. It can be had in shades of pink, deep red, and in white*

The choicest and most expensive shrubs are not needed for this purpose, but rather the so-called commoner shrubs and small trees whose rapid growth will quickly recover and, in fact, benefit from being cut.

It is fascinating to work out a seasonal succession of pink, yellow, or white flowering shrubs. Let us first take pink, since we can never have enough of this color. Of those that flower before the leaves, there appears sometimes as early as February, *Daphne mezereum*, whose flowers of cool, vivid pink are followed by red berries.

The new *Prunus tomentosa* has tiny, pale pink blossoms all up and down its picturesquely irregular twigs, these likewise followed by conspicuous red fruits. The *Cydonia*, or Flowering Quince, varies from dark red, and the familiar scarlet of the type, to coral, apple-blossom pink, and cream color of the various forms.

In May we can have the Flowering Almond, and the Double-flowering Plum (*Prunus triloba*), many kinds of Flowering Crabs, and the feathery sprays of the early *Tamarix* (*T. africana*.) We must cut the big pink *Magnolia soulangeana* with discretion, as it grows slowly, and we would not wish to ruin the tree. Likewise, most Azaleas, Rhododendrons, and Laurel are usually too precious to cut in any appreciable quantities.

We must have a care in cutting Lilacs, as next year's flowering buds are formed at the tips of this year's wood. Some of the pinkest of the (continued on page 752)





*In the garden of Mrs. E. Mortimer Barnes, Glenhead, L. I., (Mrs. Annette Hoyt Flanders, Landscape Architect) the borders have a different interest with the different seasons (Photograph by R. Warrender)*

## Hidden qualities of a good garden

*It's the little details that count big in the complete effect*

**M**ANY of us take too much for granted when we feast our eyes upon the beauties of a garden. Few there are who stop to think how much studied planning and thoughtful care is expressed in the symphonies of color that nature so lavishly offers. Kipling wrote, "... such gardens are not made by saying, 'Oh, how beautiful!' and sitting in the shade."

If we peek behind the screen into the work-a-day garden, we shall learn many

ROMAINE B. WARE

of the secrets that make for the successful finished product. It is the complete garden for which we are working; the details are important only insofar as they help to make the picture complete. Some gardens, like Topsy, just grew, straggling all over a plot without any plan. If you look for the hidden qualities in any really good garden, you will find that certain general rules are followed in making it.

It has a definite plan. There are certain principles that must be kept in mind in the general lay-out of the place.

One of the first rules is to plant to the outer edges and keep the center open, avoiding isolated specimens, no matter how beautiful they may be in themselves. The home garden is not a display yard to exhibit trees and shrubs. Trees may be planted where they will shade some particular spot, but the tree in a small garden should work in *(continued on page 776)*

# Home grown fragrant Violets

*Plant in coldframe now and  
pick blooms in midwinter*

NELSON COON

**W**HERE is the woman who does not love fragrant Violets? And where is the gardener who has not at some time craved the opportunity to have these perfumed aristocrats growing right in his own garden? Violets from the flower shop are all right, but how much better to be able to open the coldframe on a sunny day in midwinter and pick your own!

It is not so hard to accomplish this. To grow Violets does not necessitate expensive conservatories and heating plants, for these are anathema to the delicate, moisture-loving, cool-growing Violet. There are, indeed, strict limitations to Violet culture. Violets will not grow in a pot in an ordinary dwelling, and they must be given some sheltered spot in the garden.

It must be remembered that we are considering now only the true fragrant Violet, *Viola odorata*, and not any of the many other classes of strictly hardy, odorless, native wood Violets that are so useful in naturalistic gardens. It is true with many families of flowers that whenever we get the finer, highly bred plants, some of the hardiness is lost; and Violets are no exception.

There are, however, just two sorts of the fragrant Violets that are good without protection, the Russian Single and the Russian Double. The latter is a fine, double flower, rich in color and nicely perfumed, but with short stems and small flowers.

For big flowers and true beauty we must come, then, to the half-hardy sorts that are used for commercial Violet culture, and for real success with them a coldframe should be used. If you prefer the Single varieties, there are a number to choose from depending on what you want. Here are a few of them:

Mrs. David Lloyd-George — New; large flowers with pronounced golden center, long stems, fragrant.

Princess of Wales—Parent of Mrs. David Lloyd-George. For many years the standard Single commercial Violet.

Governor Herrick—Small, rich purple flowers, very prolific.

Frey's Fragrant—A new variety originating in the West, with large, richly colored flowers, very prolific, but, belying its name, is not very fragrant. Glossy foliage.

*Princess of Wales (above)  
long the favorite among Singles  
for the cut flower market.  
Singles are perhaps easier to  
grow than doubles*

For those who want the lovely double Violets, which generally last much better as cut flowers, there are a number of varieties in differing colors. The leader among these is easily Marie Louise, of fine deep mauve color. It is richly fragrant, a good grower, and prolific. Its foliage is dark. Lady Hume Campbell is a light mauve, very free flowering. Swanley White is a true double white Violet, but is not recommended to



*Mrs. David Lloyd-George,  
the new "double-single" flower  
1½ inches across. The center  
is gold and lavender against  
a rich violet background*



the inexperienced. There are others, both new and old in a variety of shades of mauve and pink. But after all, who wants anything but a violet Violet?

The latest variety of the fragrant Violet called Princess Mary was shown for the first time at the spring flower shows last year. It is best described as a Double-Single, being strictly double and yet with all the other characteristics of its parent, Princess of (continued on page 782)



*Uniformity of blooms is a real asset in this display basket of Nell Gwyn, a true Decorative type of Dahlia*

## Catching the judge's eye

*Particularly as applied to the proper preparation and arrangement of Dahlias for exhibition*

DERRILL W. HART

**M**AMA, did you win the Dahlia prize?"

"No, dear. Mrs. J. beat me, but I don't understand why. We'll try again next week at X."

This reply, after one Dahlia enthusiast's first attempt to capture a prize in the local Dahlia show, contained the sportsman's perennial enthusiasm to try again, but at the same time betrayed the tendency of all first-time Dahlia exhibitors to condemn the decision of the judges as unjust. Exhibiting in flower shows is becoming a nation-wide sport. In most of the fall flower shows just ahead, the Dahlia will be the dominant flower. The chances are that you will either see some of these shows, or better still, that you will exhibit.

By the first of September you will know whether your Dahlia growing is a success. It is too late now to tell you how to grow Dahlias for this year; but it is not too late to offer suggestions as to how to exhibit to the best advantage.

To the casual visitor, the winning of prizes seems to be a simple matter, but

you who have exhibited know that this is not true, particularly if you have found just before the judges came around for the official inspection that your prized bloom had "gone back" on you and wilted right in the face of the judges, so to speak.

**T**HE BEST time to cut a Dahlia bloom for exhibition is *just when it reaches what the Dahlia growers call "maturity."* Varieties differ in this respect, but very few varieties will bloom out if they are cut ahead of maturity, as some other flowers will do—the Peony, for example. When the back petals or rays show the first signs of drying, a Dahlia bloom has reached maturity. These petals can be plucked out, and the bloom will keep two or three days in perfect condition.

*Cut your blooms the night before the show* and put them in the cellar in cold water immediately. If you have no cellar, put them in a cool closet, but by all means keep them out of the ice box. The

sudden change from ice-box temperature to warm air, the next day, is dangerous.

Handle the blooms very carefully in getting them to the show and onto the exhibition tables. Practically all Dahlia judges have a pernicious way of finding every bruised petal, and many times a choice exhibit loses just because the exhibitor turned the corner too fast in driving to the show, or because of carelessness in cutting and handling the bloom. Obtain a large florist's box to carry your blooms to the show. If you cannot get such a box, have some one carry them in hand on the way to the show room. Make sure that the box is deep enough so that the top will not crush down on the blooms. Pack them into the box face up and close together, so that they will not shift around and bruise themselves.

Read your premium list carefully before you cut your blooms, and then you will know the classes in which you have the best opportunity to win.

But do not show just for the sake of winning prizes. The *(continued on page 784)*



# Why doesn't that tree bear fruit?

*Maybe its simply a question of planting a companion tree*

FREEMAN S. HOWLETT

*Associate Horticulturist  
Ohio State Experiment Station*

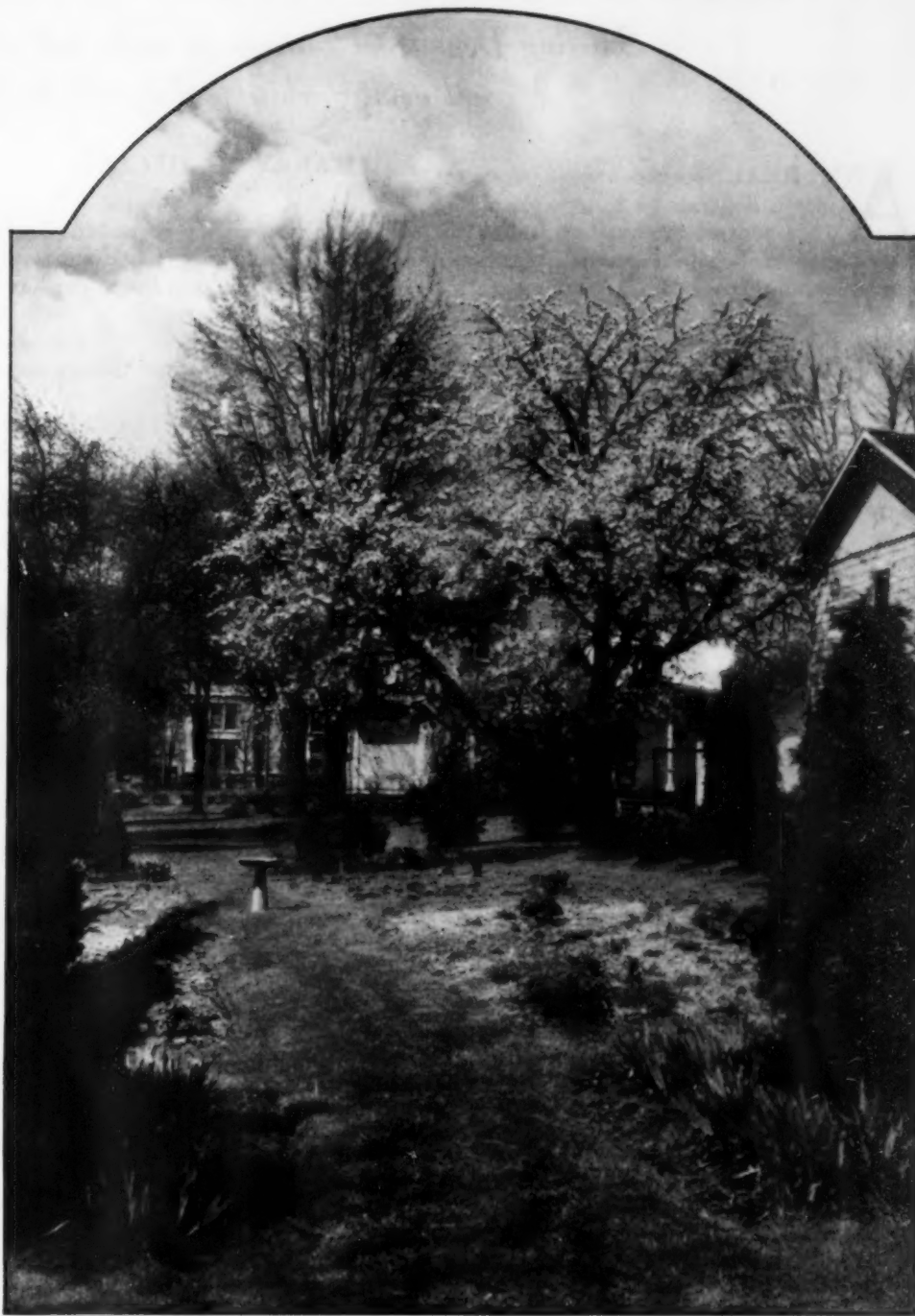
**I**N APRIL we feel that a fruit tree in full bloom, completely justifies its existence from an aesthetic viewpoint. By September, however, we have forgotten the favors of spring and are inclined to find the tree which bloomed and yet produces no fruit rather more unaccommodating than if it had never flowered at all.

Friends and neighbors are ready with favorite remedies for such delinquents. "Drive nails around the trunk" is the advice of one; another insists that the only possible cure is to "dig about the roots." Another would not stoop to such old-fashioned methods. He would administer an application of iron filings or better still a liberal shaking of salt. The man who has recently consulted a specialist advises a hive of bees or the desirability of a companion tree.

The chief offenders among trees that bloom yet fail to bear fruit are those growing in town and city gardens as isolated individuals, because several kinds of fruit will not produce satisfactory yields unless the flowers are visited by bees and other insects carrying pollen from another variety of the same kind of fruit.

**P**EACHES (with the exception of two or three varieties, of which J. H. Hale is the best known) are self-fertile and will set fruit without the presence of bees or foreign pollen. Apricots, Sour Cherries, varieties of Plums, and Quinces also give satisfactory yields without being cross pollinated. On the other hand most varieties of Sweet Cherries, Pears, and Apples and a number of varieties of Plums require cross pollination for an abundant harvest. No one should expect trees of the Windsor Sweet Cherry, the Burbank Plum, the Bartlett Pear, or the Delicious and Stayman Winesap Apples to be full of fruits if insects have not brought pollen of other varieties to their flowers.

Unfortunately, however, there are a number of varieties of fruit the pollen of which is itself defective. The J. H. Hale Peach, the May Duke Cherry, and the Baldwin and Stayman Winesap Apples are the most common examples. When two varieties are planted together,



*The isolated fruit tree in town or suburban garden is often sterile because it needs pollen from another variety. Plant a companion tree this fall*

one of which has defective pollen, pollen from a third variety is necessary.

**C**ERTAIN varieties of Sweet Cherries and Plums with pollen that germinates normally are not of value in cross pollinating certain other varieties. Napoleon, Bing, and Lambert Sweet Cherries planted together are an unfruitful combination. Each variety is effective with other varieties outside this group. To make this combination fruitful an additional variety such as Black Tartarian is required.

There are many varieties of each of the

various fruits that have germinable pollen, effective for cross pollination. The Windsor and Black Tartarian Sweet Cherries, the Bartlett, Bosc, and Duchess Pears, the German Prune, and the Delicious, Jonathan, and Northern Spy Apples are common examples.

To make the unfruitful tree bear, the obvious thing to do is to plant a companion tree this fall.

Another method is to graft or bud into the limb of the tree to be pollinated another variety of the same kind of fruit. Before this is done, definite information should be obtained (continued on page 786)

# Enter now the weedless lawn

*Starting Bent from cuttings in early fall and keeping up soil acidity while feeding are the cues*

HARRY M. ZIEGLER

**A**NY REAL success with your lawn depends on how well you can control the weeds infesting it. We soon realize that Nature abhors bare places and covers them with weeds. If a bare spot appears in the lawn, she generally covers it, much to our sorrow, with such pests as Dandelion, Crabgrass, Chickweed, and Plantain.

Because most soils contain many thousands of weed seeds, every single one of which is waiting patiently for a chance to grow, the grass and the weeds on every lawn are engaged in a battle for control. No quarter is asked, and none is given. The struggle continues until one or the other has been vanquished.

If the lawn is to be free of weeds, we are compelled to furnish the young weeds with so much competition that they will be starved to death. How? By establishing such a thick, vigorously growing stand of grass that they cannot get enough food and sunlight to live, or by creating in the soil an acid condition that is too acid for them to grow in.

**I**F WE have a Bluegrass lawn, we shall be compelled to starve the weeds with a vigorous growth of grass, because Bluegrass cannot live in a soil too acid for weeds. If we have a Bent lawn, we can increase the acidity of the soil to a point where weeds cannot live, because Bent will grow and thrive in a soil too acid for weeds.

Bluegrass, under natural conditions, will seed itself and maintain a stand of grass permanently, but, under our more or less artificial city conditions, it lives only three to six years. This means fifteen to thirty percent of the plants die every year. Hence, if our lawn is not seeded every year with enough seed to replace the dead plants, it is only a year or two until we have many bare spots, which Nature covers with weeds.

If the Bluegrass lawn is badly infested with weeds, the best and quickest way to establish a good turf is to remove all the grass and weeds and to start a new lawn. If only slightly sprinkled with weeds, we can pull, cut, or dig out the weeds, and seed the bare spots. If our lawn is badly infested with Dandelions, it would not be practical to dig out the plants, stalk and root, but we can eradicate them with an iron sulphate spray.

Given an abundance of water, plenty of sunlight, and high temperatures, Crabgrass will often gain the upper hand on a Bluegrass lawn within a week or two. As most weeds are annuals, the first heavy frost kills them if they have not already matured, borne seed, and died. This not only results in many bare spots, but also means that the lawn is thoroughly seeded with weeds again.

Because Bent grows and thrives in a soil too acid for weeds, our weed problem is much simplified if we have a Bent

lawn. One and seven-tenths below neutral. Soil can be made too acid for the growth of weeds in from eighteen months to two to three years, depending on how alkaline the soil was when the transformation was begun and the amount of calcium in the soil.

If a Bent lawn is badly infested with weeds, it is generally an indication it was not started properly or is badly in need of plant food. A starving lawn is a Garden of Eden for weeds. A satisfactory way to eradicate weeds in a Bent lawn is to pull or cut them out in late August or early September, and on the first cool day following to apply a fertilizer composed of ammonium sulphate, acid phosphate, and potash, at the rate of two pounds to one hundred square feet of surface area. This plant food will enable the Bent to make a good growth during the fall before cold weather begins and will start it off with a rush early the next spring.

**B**LUEGRASS can be sown at the rate of one pound to every one hundred and fifty square feet of surface. Bent can be sown at the rate of three pounds of seed or three bushels of stolons (the chopped up plants of Creeping Bent) to every thousand square feet. Some of us may obtain good results with a smaller amount of seed or stolons than this, but it is a better plan, if we want a quick growth, to sow too much than too little.

If you want to grow a satisfactory Bent lawn within a reasonable length of time, it will be better to grow the lawn from stolons of a good strain of a good variety of Creeping Bent rather than to try to grow it from seed. It seems as if it would be cheaper

to grow from seed, and the first cost is less, but after you have done the reseeding made necessary by a poor or uneven stand, winter killing, and weeds, and have paid for hand-weeding your yard several times to give the young Bent a chance, the ultimate cost is about the same. You can generally grow a satisfactory Bent lawn in less time with Creeping Bent stolons than you can with seed.

There are several kinds of Creeping Bent on the market, but the Washington Bent is perhaps the most popular, with Metropolitan next. (Continued on page 786)



*Keeping weeds out is really a question of keeping the grass in by adequate seeding, feeding, and constant attention (Photograph by Richard Averill Smith)*

lawn. With a Bent lawn we can increase the acidity of our soil with acid-base fertilizers to a point where weeds cannot grow. An acid-base fertilizer is one that leaves a residue in the soil that turns it acid. Ammonium sulphate is a good acid-base fertilizer and is most commonly used to increase the acidity of the soil.

With the unit of measurement used to determine soil acidity, neutral soil—neither acid or alkaline—is six and seven-tenths. When soil tests higher than this, it is alkaline; when lower, acid. Weeds generally disappear when soil tests five—

# An exquisite GOTHIC TAPESTRY

FAITHFULLY REPRODUCED FROM A RARE PIECE IN



## THE Cathedral of SENS

*"Whither thou goest, I will go; and where thou lodgest, I will lodge; thy people shall be my people, and thy God my God."*

THUS, with infinite beauty, the Old Testament poetically pictures one of the most romantic of biblical episodes — Ruth's devotion to Naomi.

A charming moment in the lives of Ruth, Naomi and Orpah has been woven into this splendid hand-loomed tapestry. Reproducing all the naïve charm of the antique . . . it preserves the marvelous texture and mellow coloring of the original which hangs in the upper chamber of the Cathedral of Sens.

The richness and variety of color, the gracious rendering of figures, the lightly indicated landscape background . . . all are characteristics of the best French Gothic pieces of the early sixteenth century.

This exquisite tapestry is woven by hand, on hand looms, with richly colored yarns. A clever use of hatchings accents the play of light and shade, thus simulating the luxurious folds in the costumes—elaborately woven in soft reds, blues, and gray-greens, enriched by gleaming threads of silver and gold.

Once again, this panel illustrates the variety of distinguished tapestries to be found in the collection at F. Schumacher & Company.

Schumacher collections include beautiful fabrics for every decorative purpose and period. Reproductions and adaptations from the great periods of the past, as well as fabrics of modern design.

Your decorator, upholsterer, or the decorating service of your department store will be glad to obtain samples appropriate for your purpose.

*"FABRICS—the Key to Successful Decoration"*

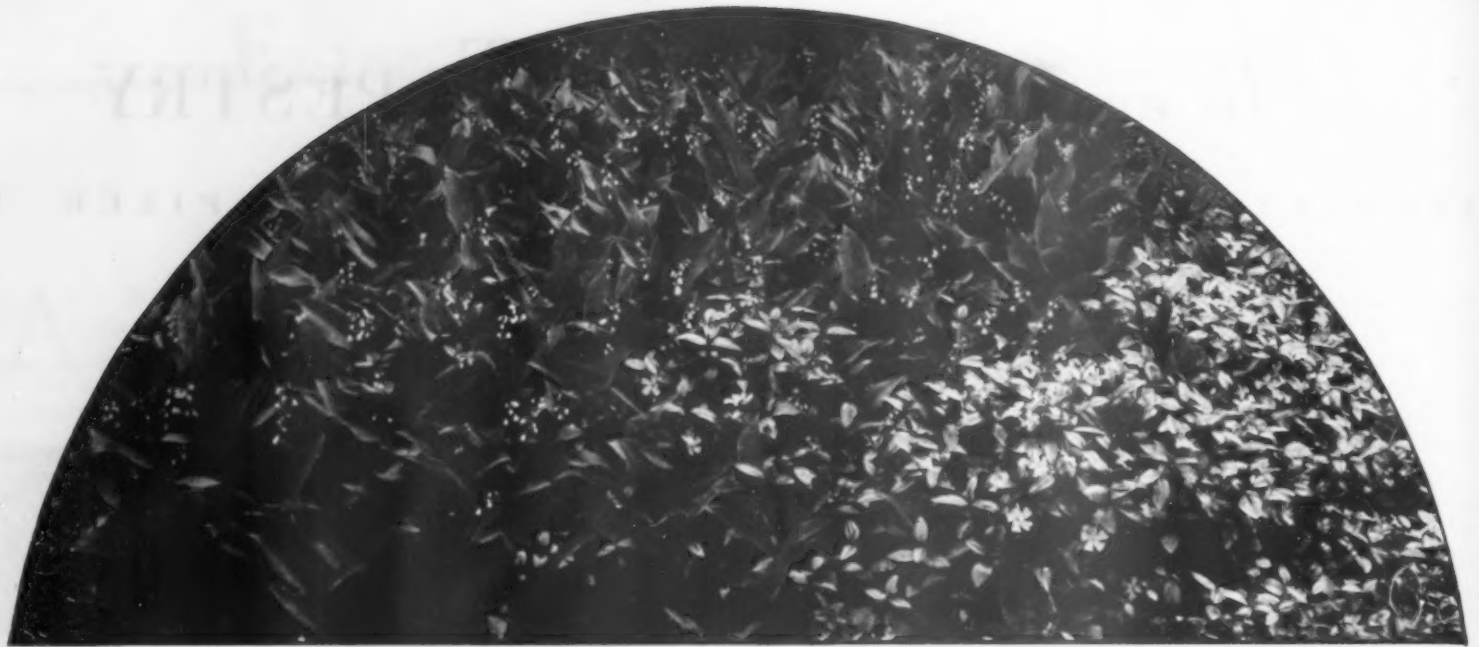
This helpful booklet will be sent to you without charge upon request. It is planned to help the woman who wishes her home to be successfully decorated, but has not the time or the inclination to make a deep study of interior decoration.

F. Schumacher & Co., Dept. D-9, 60 W. 40th St., New York. Importers, Manufacturers and Distributors to the trade only of decorative drapery and upholstery fabrics. Offices also in Boston, Chicago, Philadelphia, Los Angeles, San Francisco, Grand Rapids, and Detroit.



*The original of this fine Gothic tapestry dates back to the early sixteenth century—a period which shows the art of tapestry weaving at its highest perfection*

# F · SCHUMACHER · & · CO



*Lily-of-the-valley and the Myrtle (Vinca) are two old timers not to be overlooked. Both have charming flowers*



*English Ivy allowed to spread along the ground is often more happy than when climbing walls of masonry*

**W**HILE I recognize the necessity for satisfactory ground cover

under shrubs and in shady spots in the garden, Pachysandra does not seem to be necessarily (to me, at least) the last word in the vocabulary, valuable and justly popular as that evergreen spreader is. The excessive darkness of its color in shade makes it out of place among the fresh golden green of many gardens.

"But," exclaims some despairing gardener, "what would you use instead?"

"Dozens of things," I answer. "Study the native wild flora of your region. From what is growing near you, see if you can naturalize and increase some lovely thing which is indigenous."

Some twenty years ago I brought from the low moist woods along the Desplaines River, a small clump of Wild Ginger (*Asarum canadense*). It was simply a specimen wild-flower of a sort loved from childhood, and I planted it with many misgivings in my garden near Lake Michigan, in entirely different soil. It liked the new home and its roots took hold with enthusiasm. To my idea, it makes a beautiful ground cover. Each spring the root-stocks, which lie above the ground, send up double folds of leaves which flatten out into heart-shapes of

Dutchman's-pipe. So far, nothing has eaten or injured these leaves. Late frosts and a Maytime snow both have left them unscathed. I have tried Wild Ginger in four different spots in my small garden, and friends to whom I have given roots all report well of it. It spreads readily, seeds somewhat, and is easily controlled. Children are bewitched by



*Pachysandra, Japanese Spurge, is the almost universal favorite ground cover in sun or shade*

the strange wooly-throated maroon flowers. I wonder that it appears in almost no seedsman's catalogue.

The *Dicentra* makes another enchant-

## Green carpets for the old earth

*Effective plants to fill the voids that invite weeds*

ANNE HIGGINSON SPICER

ing spring ground cover. This, too, I discovered by chance. After an absence of five years from my garden, I found one clump of *Dicentra*, puny, bloomless, rootbound, and mixed in a patch of Goldenrod. I dug up the little relic, disentangled the tiny pink tubers (the "doll's potatoes" of my childhood) and they fell apart, each with one fern-like leaf attached. I planted them in a shady spot under a thorn-tree in pure leaf-mold. They disappeared. The following spring I had a dozen sturdy plants, nine of them bearing stalks of tiny "breeches," and from then on—ten years it is—I have been subdividing and experimenting and giving away, and the end is not yet. Last year I planted one group under a mass of Red Osier, mixing a generous quantity of sheep fertilizer in the earth. I would not be believed if I tried to tell the size of blooms and leaves I saw this spring!

The Bugle (*Ajuga reptans*), with its hairy spikes of true blue flowers will cover places, where it feels at home, with a thick mat of close-growing rosettes. It will even submit to the lawn-mower and go on blooming. It is a too (continued on page 784)

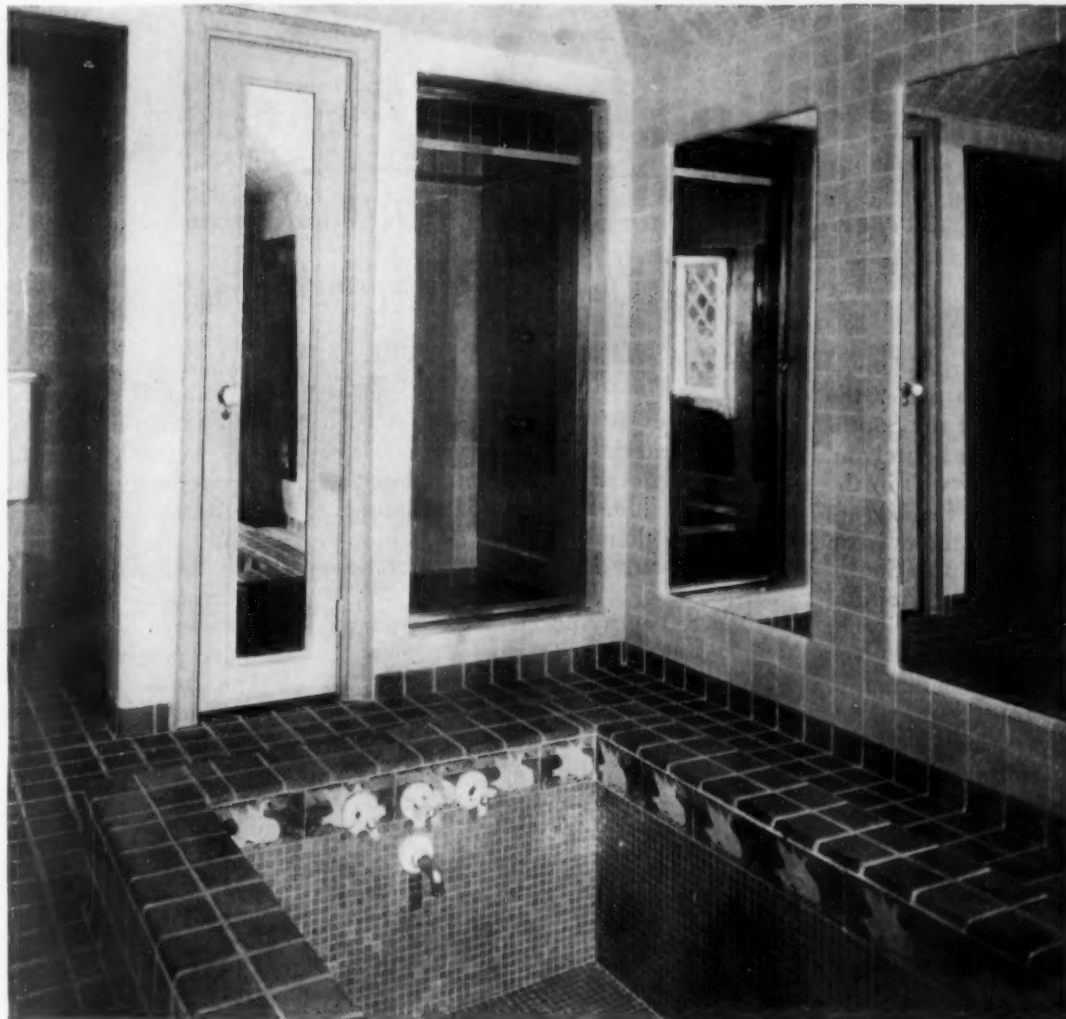


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*Mountain Laurel is at home and looks its best in a naturalistic setting (Morse and Morse, Landscape Architects)*

## Two mountain shrubs for the garden

*Evergreen Mountain Laurel and Rhododendrons  
bear showy flowers in the spring*

C. F. GREEVES-CARPENTER

**M**OST of the broad-leaved evergreen shrub prefer the warm regions of the Southern states, but the Mountain Laurel and Rhododendron do extremely well in the northern United States, and, indeed, are native over a very wide area and even on the mountains slopes of the upper South.

They require but little more attention in their planting than the majority of deciduous shrubs, and certainly well repay this care. They prefer damp, shaded positions that are naturally protected by topography of location from the severe winds of winter, and will not grow satisfactorily unless the soil shows an acid reaction: that is the big secret of their successful establishment. Fortunately most seaboard and woodland soils are normally acid.

Rhododendron and Mountain Laurel may be planted in either autumn or spring. For autumn setting out, they may be transplanted at any time from August to October.

Planting either of these shrubs in limestone soil must not be attempted. A sandy loam is fairly satisfactory but plenty of humus should be added. Where humus or peat moss is used, less care will

have to be exercised in watering, as both of these materials have better moisture retaining properties than soil and do not dry out rapidly. Because of its composition of woodland bark, natural humus has more plant food and is better than peat moss.

If there be any uncertainty about the



*A barren hillside walk was transformed by an informal planting of native Mountain Laurel and Rhododendrons*

soil where it is proposed to do the planting, it should be tested for its chemical reaction to see whether it is alkaline (lime), neutral, or acid. If it is alkaline, it is practically useless to attempt planting, for the water underground is invariably alkaline. Attempting to change the soil will result in a constant reaction between the lime and the chemicals with the argument in favor of the lime because of its preponderance.

The chemical reaction of the soil may be determined in a general way by using litmus paper, which may be bought at any drug store. It is better to get one of the special soil testing outfits that can be had at the seed store.

Neutral and partially acid soils lend themselves readily to treatment by chemical fertilizers. Aluminum sulphate is generally employed to create or to increase the acid reaction of the soil. Extract of hemlock bark, such as is used in tanning, may also be used, or you can buy a specially put up composition like Rhodylife.

Where these plants are put in a soil that is not naturally acid they should have a half tablespoonful of aluminum sulphate (this may *continued on page 756*)

# INTERNATIONAL STERLING



PINE TREE

PICTURE EACH WITH YOUR HOME AS THE BACKGROUND. THEN CHOOSE!



Minuet      Georgian Maid      Fontaine      Wedgwood      Trianon

FINE ARTS DIVISION      INTERNATIONAL SILVER CO.      MERIDEN, CONNECTICUT

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6 teaspoons in this gracious pattern are but \$11. Or twenty-six pieces—an excellent foundation set—cost but \$73.35. Matching hollow-ware—tea and dinner service—is to be had in Pine Tree, and in other International Sterling patterns.

▼ ▼ ▼

What pieces will you need first? The progression from a beginner's set all the way to an elaborate service is discussed in the most helpful of silver booklets—"Correct Table Silver—Its Choice and Use." It shows various International patterns, with pieces and prices on each. Modern table settings are charmingly pictured.

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AH. 9-29

INTERNATIONAL SILVER CO., Meriden, Conn.

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A perfect room in a small house. Here old-fashioned radiators would mar the whole effect.



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## A Colonial hunting lodge in Westchester

Continued from page 665

lively interest to the ensemble without in the least affecting its distinctive character.

Assembled with inviting charm are many antiques of both English and American origin, among which a rare gateleg table of English oak whose date 1690, carved in the wood, is vouched for by papers from the Antiquarian Society of London now in Mrs. Patterson's possession, is perhaps the most intrinsically valuable.

Shining pewter, silvery Lowestoft, New England luster, and old blue Staffordshire on mantel and dresser strike their own note. An old Dutch chest, painted in gay colors is another item.

A particularly gracious contribution to the decoration of the interior is the Queen Anne wing chair drawn close beside the hearth, an heirloom, as are also several fine old oil portraits. The Lenox sofa against the wall is undeniably picturesque.

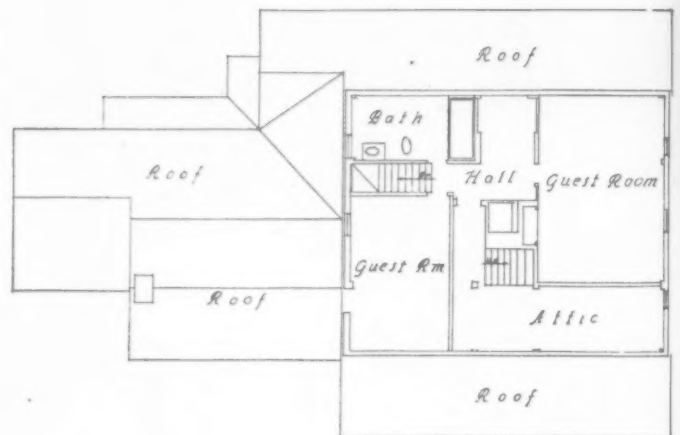
Mrs. Patterson removed the doors of the quaint chimney cupboard over the ell fireplace for the reception of her favorite authors and also built narrow tiers of shelves for additional books where space permitted. On the walls is the major part of Mr. Pat-

terson's fine collection of early English and American sporting prints.

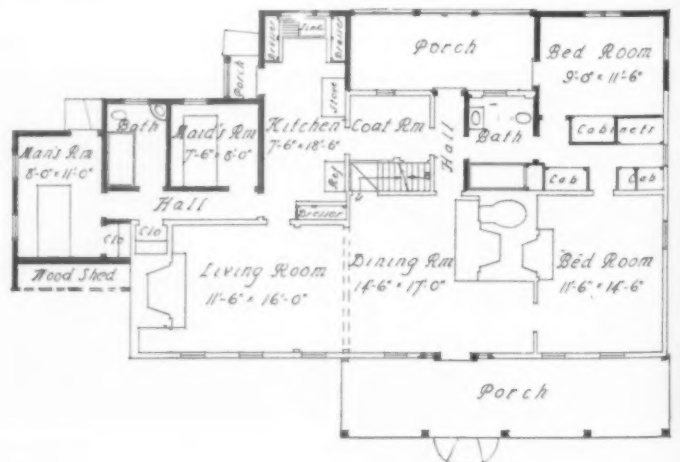
Beyond a Chinese red lacquer screen near the entrance is Mrs. Patterson's bedroom where, among a group of mellow antiques, a graceful old Sheraton field bed with slender reeded posts and netted tester stands out strikingly. The mildly pictorial quality of ethereal blue scenic medallions or vignettes scattered over a white field in the Colonial wall paper supplies a setting for the old mahogany, yet it is illusive enough to form no striking contrasts to arrest the eye sharply. Small-sprigged calico used in fitting up the dressing table finds its complement in a pair of early American glass lamps in currant red. Above on the wall hangs a Colonial mirror.

Equally attractive, is Mr. Patterson's room in the new addition beyond, furnished with sturdy antiques. Colorful hunting prints line the walls. From this room may be had a view of the stables. Fashioned on primitive lines and whitewashed in the southern manner, they have been kept in key with the extreme simplicity of the exterior of the house.

In no one (continued on page 700)



The architect has turned his floor space to happy account in this restoration. Two rooms were thrown together to make the living room which is also used as a dining room. It forms a long odd-shaped room with a fireplace at either end. A heavy oak beam in the ceiling marks the former partition between the rooms



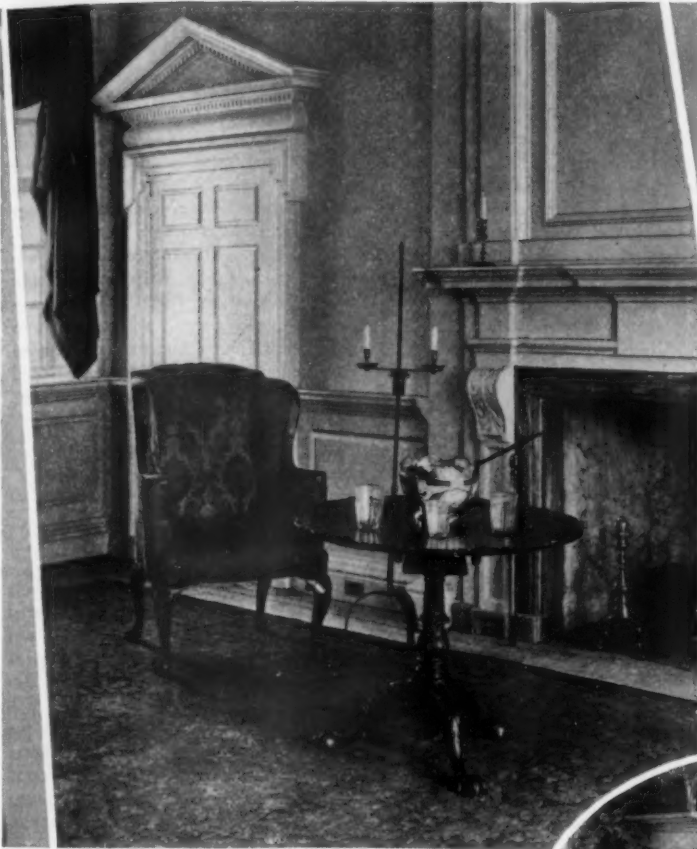
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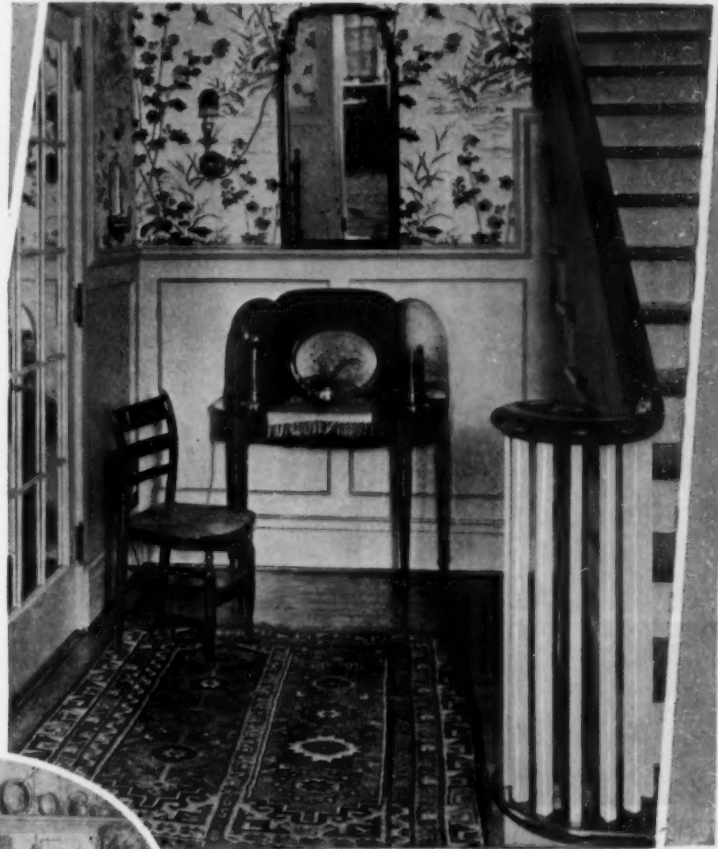
# Charming Interiors

## REVEAL TRUE BEAUTY OF WOOD

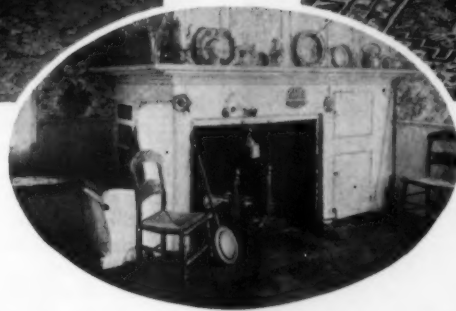
*Lumber, now grade- and trade-marked, has many effective uses in decoration*



(Above) A fine example of the enduring beauty of wood. The mantel, doors and walls in this early American room are as lovely today as they were over a hundred years ago.



(Above) Three charming uses of wood in a modern house, giving character to the walls, floors and stairway. (Left) An old Colonial fireplace, surrounded by rich panels of wood.



**WOOD** gives "personality" to your home. In doorways, paneling, floors, in furniture itself, it lends beauty and warmth to interiors . . . refinement, distinction.

Note how the beautiful wood mantel and the graceful wood stairway add dignity and character to the charm of these rooms.

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Architects and decorators for centuries have depended upon wood to create artistic rooms. No matter how old houses become, wood used in decoration is ever new . . . and easily adapted to modern modes.

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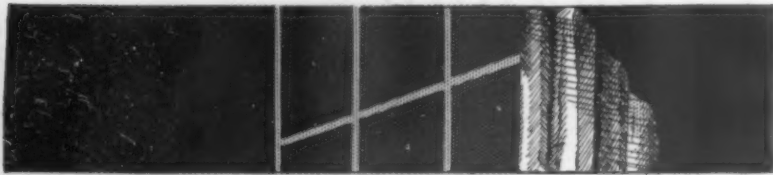
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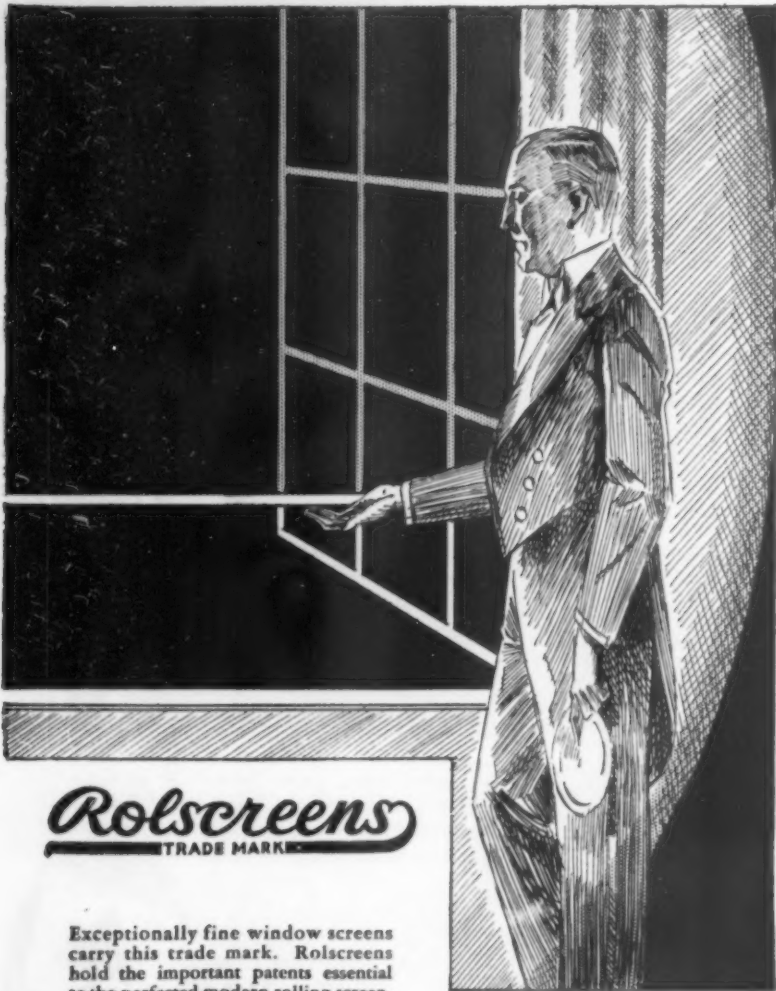
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## A Colonial hunting lodge in Westchester

Continued from page 698

particular has the architect exercised his peculiar skill to greater advantage than in devising an adequate arrangement of floor space; the convenience of the layout will commend itself to those contemplating a similar restoration. To create additional living quarters, two small extensions were built, one for the master's bedroom, the other for the modern kitchen. The recessed portion between was ingeniously turned to account as a breakfast porch.

Closets were installed between the owners' rooms with a modern bathroom opening off. The latter has access to the hall. Across the passage is a convenient coat room. This, in turn, leads to the kitchen, where adjoining are quarters for the cook and butler.

Even though the steep, narrow staircase rising by one turn between the walls must be negotiated to reach the upper story, only to glimpse the inviting guest rooms is well worth the effort. To be sure, headroom

is often curtailed by the sloping roof of the gables but this, far from being objectionable serves to emphasize the cosy seclusion.

In the larger of the two rooms, pink and green ships sail dreamily over the papered walls, with the floor and woodwork painted a cool apple green. Low post maple beds have coverlets of small-patterned calico in apricot, exquisitely quilted in the old-time manner. A dressing table, also garbed in the same apricot calico, rejoices in a pair of amethyst glass lamps that repeat the orchid tone of the frilled organdie curtains and the covering of the low, comfortable slipper chair. A gold-frame<sup>d</sup> mirror hangs over the dressing table.

There are other attractions in addition to these, for up another and more precipitous flight of steps is a shadowy old garret, where the stout oaken timbers of the massive trussed construction, uphold the roof and are precisely as the Colonial builders left them.

## Facts to remember when buying property

Continued from page 667

mortgages, and other instruments affecting the title to real estate may be recorded in the office of the County Clerk or the Registrar of Deeds, and when so recorded are notice to the entire world of their contents. The mechanics of recording differ in various localities. In New York City, the Registrar of Deeds makes an exact copy of the instrument, binds it into a book and indexes its book and page number against the description of the property conveyed, the name of the seller, and the name of the purchaser. To find the instrument, you start by looking at any of the three indexes.

An unrecorded deed is not necessarily a void deed. If everyone were absolutely honest, there would be comparatively little need for recording statutes. But when an unscrupulous seller conveys the same land twice, difficulties are bound to arise. In such a situation, the deed which is recorded first is the valid deed, the other, even though it be the prior deed, thereupon becomes void. The single exception to this rule will be discussed later.

When you are buying real property, the instruments recorded in the County Clerk's office affect your purchase in two separate ways. First, it is assumed that you know the contents of every recorded paper. And second, these recorded instruments permit you to discover, with one or two exceptions, whether or not the man from whom you are buying owns all of the property he is purporting to sell. In other words, you can examine his title to see if it is good. To do this, it is usually necessary to search the records for every instrument affecting the property recorded during a period of at least sixty years. Frequently, however, the lawyer or the title company making the search has already searched the title of the particular property you are buying, and needs only to examine the records from the date of the last search.

There are a few possible defects in title which can not be discovered by a search. But some of these can be detected by actually looking at the property. Others can not be discovered by ordinary means.

There is always, for instance, the possibility of an outstanding dower right which can not be discovered in the records. A few years ago, I was engaged to defend the title to a parcel of real property, against the claim of a woman who alleged that she was the divorced wife of a former owner. She said that when she married Mr. X he owned the property in question. Shortly after their marriage, he gave her grounds for divorce, and thereupon she divorced him in New Jersey, the state in which they had been residing. The divorce decree forbade him to marry again. But as such a decree can only be enforced in the state in which it is rendered, the man moved to New York and there married a second wife. Later, he sold the property, and his second wife joined in the conveyance, by signing her name at the bottom of the deed, and thereby waiving her dower right. The man who searched the title justly assumed that the deed conveyed good title and that any outstanding dower right was waived by the wife's signature on the deed. He had no way of knowing of the divorce and of the man's first wife.

In this particular case, a thorough investigation proved that the woman was an imposter and had no claim against the property. There had, in fact, been a divorce and a first wife, but she was dead.

However, the woman's claim showed a profound knowledge of the law. She had hit upon one of the few and extremely rare situations in which a title defect can not be disclosed by a search. Such a defect will not be present in one out of ten thousand conveyances. Yet, there is always the possibility of such a defect, and someone must assume (continued on page 702)

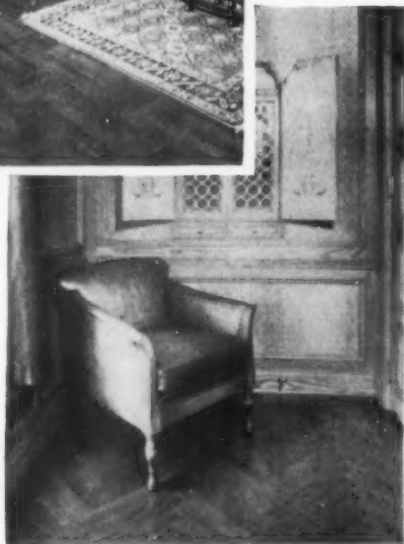
# Reflecting the Culture of the Home



Interior views Doddington House built by the Doddington Company, Columbus, Ohio, for use of local architects and prospective home builders. Miller and Reeves, Architects. Ritter Parquetry Flooring used. Herringbone Pattern (above).



Basket Weave Pattern (above)



Herringbone Pattern (right)

THE selection of correct oak flooring is as important as the choice of furniture and drapes. For today our rugs are relatively small. We place them with discrimination - sparingly. We have discovered the charm of oak flooring.

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**D**RAG a table across the room . . . and the beauty of a glistening hardwood floor is ruined. Place a heavy divan on a rug . . . leave it there a day or two . . . and the surface is pitted with ugly spots where the divan has stood.

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NoMars have broad bases that spread the weight of furniture so it can do no harm to the floor. You can get them in just the right size. Ask for "Socket" NoMars, if your furniture legs have caster socket-holes. If not, ask for "Drive-on" NoMars—the kind that drive into place as easily as a nail is driven.

The smooth brown bases nestle close to the floor, . . . a pleasant finishing touch to the beauty of fine furniture. Rounded edges insure easy movement. Not a single sharp angle to scratch or tear. You can't break them. You can't wear them out. Once on, they're on to stay.

By all means, try at least one set. It will be a revelation in floor-protection. Let your hardware or house furnishing dealer show you. Or mail us the coupon below for more details.



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### NO MAR RESTS

NoMars are packed 4 to a set. Both types—"Socket" and "Drive-on" come in the following sizes: Width No. 1 No. 2 No. 3 No. 4 of Base 1 1/4" 1 1/2" 2" 2 1/2" (set of 4) \$ .50 \$ .60 \$ .70 \$ 1.00



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There's no need to drag and tug at furniture that must be moved often. No need to lift it lest it scratch the floor or tear the carpet. Bassick Casters are easy to apply, and so inexpensive there's hardly any reason to do without them. And what a difference they make in housework. At a touch almost, they roll heavy furniture smoothly across the floor, leaving never a mark as they go.

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## Facts to remember when buying property

Continued from page 700

the risk it necessarily involves. If you obtain a *full covenant and warranty deed* from the seller, he guarantees your title and, so long as he remains solvent, he can be held answerable in damages for such a hidden defect. But, if he is insolvent and your title is not insured, the loss falls on you.

We will talk about title insurance policies in a future article, but this is as good a place as any to indicate their importance. Only a title policy issued by a reliable company can give you maximum protection. If you have a *full covenant and warranty deed*, the man from whom you bought the property guarantees the soundness of your title, but, years after the purchase, he may be insolvent, or he may be dead, and his estate dissipated. If you have employed a lawyer to search your title, the lawyer is responsible for the accuracy of the search, and if he *negligently* overlooked a defect in title, you may recover damages from him. But a lawyer does not insure title. If there is a defect that with reasonable diligence he could not have discovered, he is not in any way responsible for the defect. And even then, if years later you have a claim against your lawyer, it may be as difficult to collect as a claim against your grantor.

On the other hand, if a title company, which is organized under the insurance laws, insures your title, it is responsible for every possible defect, and its solvency is protected by the stringent laws under which insurance companies operate. In some cities, such as New York, where title companies are common, many lawyers refuse to search titles and advise all their clients to have the search made by, and to secure a policy from, a title company. If you are buying in a section where it is impossible to secure a title policy, you will get practical protection by employing a reputable lawyer.

We have seen that the papers recorded in the County Clerk's office give you a method of testing the title you are buying. Except for rare and unusual instances, a search of these papers will indicate whether or not you are buying a good title.

But there is another and equally important effect which these recorded papers have on your purchase. The law assumes that you know of them and of their contents. You are buying with notice of every recorded paper and every clause in every recorded paper. Thus, if one recorded deed to the property contains a restriction permitting the erection of one-family houses only, you will be bound by that restriction, and your neighbors will be able to prevent you from building anything but a one-family house.

When the law says that you have notice of the contents of recorded papers, it does not mean that you have actual notice, but that legally you are presumed to have notice. When in fact you have *actual notice* of a valid paper affecting the title to the property you intend to buy, you are bound by it, even if it is unrecorded. A short while back, we said that when an unscrupulous owner

attempts to sell the same property twice, the deed which is first recorded is the valid one and the other deed thereby becomes void. We can now refer to the one exception to that rule.

Let us assume that you have made contract to buy a house and are having the title searched and then, by chance, you hear that the house has been sold to another person. You ask your title searcher if there is any other deed on record and he finds that there is not. However, if the house has been sold to another person, his deed will be valid and yours invalid, because you have actual notice of his deed. If you hear rumors of any unrecorded instrument affecting title to the property, you can protect yourself only by making a diligent investigation. Then if your investigation shows that there is no such paper, you are protected even if there is such an unrecorded paper. The investigation must be thorough, or you will be deemed to have had notice of the paper.

There is still another way in which the law will assume that you have notice of encumbrances upon the title you are purchasing. If a physical inspection of the property suggests such encumbrances, it is up to you to investigate. Thus, if you are examining a house and find it occupied by a person other than the person from whom you are buying, you must investigate the circumstances under which such person is in possession. If he is the owner of the property under an unrecorded deed, that deed will have precedence over yours, even if yours is recorded. If he had a lease on the house, you will not be able to take possession until the expiration of the term of the lease.

A case that was recently decided in the New York courts illustrates the extent to which a purchaser may be put on notice of encumbrances by facts which would appear upon an inspection of the property. A man bought a vacant lot intending to build upon it. He looked at the lot, saw that there was no building on it and that it was entirely vacant except for an advertising billboard. He started to build and was about to take the billboard down, when he was served with an order of the court restraining him from interfering with the billboard. It developed that the advertising company had a lease on the property giving it the right to erect and maintain the billboard and that they were paying \$10 a year as rent. The court said that the purchaser should have looked at the property before buying it and that his inspection should have suggested that the billboard was legally on the land. He should at least have investigated to discover whether it was erected under a lease.

Likewise, when buying property, if you notice that all the houses on the street are of a given type or are set back a given distance from the building line, it is wise to investigate for there may be an unrecorded restriction (lawyers call them *equitable servitudes*), which will compel you to do as your neighbors have done whether you want to, or not.

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**W**

**OULD YOU REPLACE YOUR HEATING BOILER  
IF YOUR FUEL SAVING WOULD**

**PAY FOR A NEW ONE?**

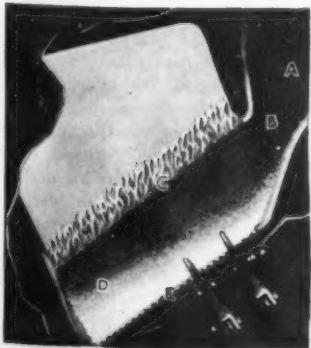
One important reason why half of all Spencer Heaters sold replace other boilers is the saving that a Spencer makes. It saves as much as half the annual fuel cost—and you can readily see how quickly that will pay for a new and more convenient heater.

The Spencer Heater is designed to burn small size fuels which are low in cost because ordinary flat grate heaters are not designed to burn them satisfactorily. The difference in price between small fuels and the larger sizes will pay the cost of a Spencer Heater to replace your present boiler.

For instance if you use the larger sizes of anthracite now, your fuel bill is automatically cut in half when you install a Spencer Heater, because you then use No. 1 Buckwheat anthracite costing six dollars a ton less. You can see for yourself how quickly this will save the entire cost of this heater. After that you enjoy its convenient, automatic fuel feed, \* its even heat, and a dividend on your investment every year, amounting to half your present fuel bill.

A new development in Spencer fuels has come about with the increased amount of high quality coke available for home heating. Where anthracite is not available, home owners are especially interested in clean and smokeless heat. The Spencer gives that clean and smokeless heat with any fuel—but when small size coke is used, home owners discover that they can have the automatic fuel feed, convenience and uniformity of heating that a Spencer gives, at less than the cost of heating with soft coal in ordinary heaters.

Write for the Spencer book, "The Fire That Burns Up-hill." It explains in detail why the Spencer scientific principle for burning solid fuels can save as much as half your annual fuel bill. Spencer Heater Company, Williamsport, Pa.

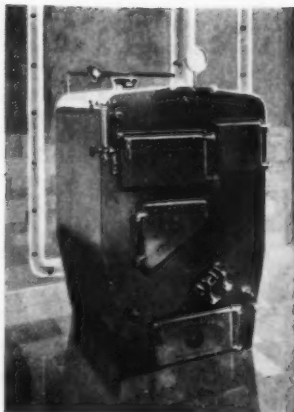


**FIRE BURNS UP-HILL**

**FUEL ROLLS DOWN**



Spencer Heaters are made in two types and in capacities to suit every size of home or building. Illustrated is the cast-iron sectional Spencer with enamelled steel jacket, for homes and small buildings. A complete line of Spencer steel tubular boilers is made for large buildings. Sold and installed by responsible heating contractors.



\*Once a day fuel is put into the magazine (A). It fills the sloping Gable-Grate to the level of the magazine mouth (B). The fire bed always stays at the level shown at (C) for as fast as fuel burns to ash (D) it shrinks and settles on the Gable-Grate (E). As the surface of the fire bed is lowered by this shrinking process, more fuel feeds down of its own weight over the top of the fire bed, with no need for motors or mechanical parts.

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



# " . . . Sawyer jotted down 4 points of Newport heating—



and I was sold!

*Newport Boilers Magazine Feed*  
 1. Gives less care  
 2. Gives uniform heat  
 3. Burns cheaper fuel - saves \$5 per ton  
 4. Adaptable to wide range of fuels  
 Coal, Coke, Oil or Gas

"SAWYER has built several homes. His knowledge about heating meant a lot to me. So when he gave me a memo of the 4 most desirable features in a heater, I took his word for it and installed a Newport magazine-feed Boiler. Glad I did, too!

I'm paying just about half what my next door neighbor does for coal."

Thousands of home-owners, as well as architects and veteran heating contractors, endorse the Newport, the residence heater which in the past 15 years has become the modern standard for HEAT the EASIEST and CHEAPEST WAY.

The magazine-feed of the Newport ensures healthful even heating with greatly reduced boiler attendance. In average cold weather you need fill the magazine but two or three times a week. (Inspect the diagram at the right).

Perhaps more important to you than the Newport's convenience is its economy. Burning No. 1 Buckwheat (Hard) Coal, a Newport will positively reduce the average family fuel bill from 30 to 50%. HOW you may ask—It's Simple, the coal costs \$5 to \$7 less per ton.

When you select a heater for your home, keep these facts in mind and use them as a basis for comparison. Recognized experts advise you to install a Newport. Send for our newest booklet and learn more about the boiler that gives MODERN heating comfort at lowest cost. Use the coupon below. It's for your convenience.

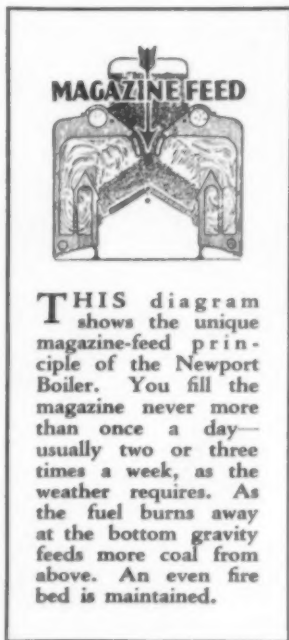
NEWPORT BOILER COMPANY  
 529 S. Franklin St. Chicago

## NEWPORT MAGAZINE FEED BOILERS

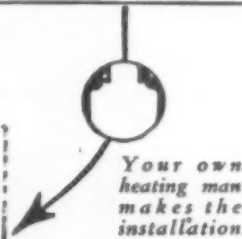
NEWPORT BOILER COMPANY  
 529 S. Franklin St., Chicago  
 I'd like to look over your new booklet "Keeping Warm in Weston Park." Send it to:

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

Distributors—All principal cities U. S. and Canada



THIS diagram shows the unique magazine-feed principle of the Newport Boiler. You fill the magazine never more than once a day—usually two or three times a week, as the weather requires. As the fuel burns away at the bottom gravity feeds more coal from above. An even fire bed is maintained.



## Floor construction and floorings

Continued from page 666

best appearance. The only proper way to obtain both the best wear and the best appearance is to run the underfloor diagonally. There is just one exception to this rule. When the finished floor is to have a diagonal parquet pattern, the underfloor should be laid directly across the joists.

The material of the sub-flooring must be of good quality, free from any large knot-holes or serious defects, and must be evenly laid, well nailed at each bearing, brought dry to the job, and kept dry. These are technical considerations, perhaps, and of interest only to the architect, the builders, and the carpenters, but they are essentials for obtaining a first-class finished floor and should, therefore, interest the owner as well.

We are not yet ready to consider the final flooring, but must still keep our minds below the surface. Flooring paper and flooring felt must not be forgotten. Their omission cost one owner \$2500 plus a trip to Bermuda "to get away from it all." The owner had saved an architect's fee and the builder had saved \$30 worth of flooring-paper. After exposure to moisture and steam heat, all the flooring throughout the house had to be taken up and new floors laid, in less than six months after the house was completed.

Every underfloor should be covered with at least two thicknesses of a standard waterproof paper. In addition to this, on all floors above the first, a layer of felt should be put down. The felt acts as a sound-deadener and insulator, but since it absorbs moisture it should not be used under the first floor over the cellar ceiling. Fortunately enough, here practical considerations are in accord with technical ones, for no one cares about sound-deadening over a cellar.

AT LAST we are prepared to lay the finished wood floors. We have taken pains to assure a first-class job; we have now only to decide what is to be used in the various rooms.

As it seems to be with nearly all the good things of life, lower-priced grades of flooring are less durable and are usually less pleasing in appearance. We are forced to compromise between taste and pocketbook, so let us tabulate what there is for us to choose from.

1. Least expensive floors
  - a. Comb-grain or edge-grain pine
  - b. Oregon fir
  - c. Maple strip flooring
2. Usual medium-priced floor
  - a. No. 2 grade of plain-sawed white oak
  - b. No. 2 grade of plain-sawed red oak
3. Higher-priced but better quality
  - a. Clear (No. 1 grade) plain-sawed oak
  - b. White or red birch
  - c. No. 2 grades of quarter-sawed oak
4. Clear grade quartered oak floors
5. High quality flooring
  - a. Teak, mahogany, walnut, English oak, in strips

- b. Same as above, in parquet, herringbone, and other designs
- c. Other hardwood floors in period patterns

For houses costing up to \$10,000 the floors in Group 1 are the usual thing, with occasionally floors in Group 2 for the living room and the dining room. Group 2 is the usual choice for homes costing between \$10,000 and \$20,000, but as in all matters pertaining to home building, the family needs and the family pocketbook must be considered coincidentally. It is possible that certain rooms may be done in a more expensive type of flooring, but it is important that careful estimates of the total cost be made before any particular grade of floor is chosen. The same is true, of course, for houses costing more than \$20,000.

GENERALLY the cheapest and simplest floor to lay is that of pine, using strips about two and a half inches wide, and with all edges tongued and grooved for "blind nailing." It is sometimes suggested that floors of this kind be used on the second floor and hardwood downstairs. However, in practice, the saving over using the Group 2 hardwoods throughout in a small house is seldom more than about \$25. It is better to make the floors for the entire house all one way or the other. Any builder will be glad to estimate the cost either way, but it must be thoroughly understood just what is meant by the grade specified, and it is best to see samples before deciding.

Fir is not commonly used for floors in the New England and Atlantic states for small houses. Maple is gradually being used more extensively in this part of the country because it takes colored stains better than pine or fir.

It is the red or white oak floor, however, which is the most extensively used, and which is well worth the slight difference in price over the floor of soft wood. Plain-sawed flooring is made by cutting the log timber into slices and then trimming the edges to tongue and groove them. It is more likely to warp and shrink than the quarter-sawed boards, it does not wear so well, nor does it show such pleasing grain pattern after staining. Quarter-sawed lumber is made by first quartering the log and then cutting boards out of each quarter, at an angle of forty-five degrees with the diameter, the boards are thus cut at right angles to the annular rings, and have a nice grain and a more uniform quality.

Commerical length strips vary from two feet to eight feet in length. It is customary to use the short strips for closets, saving the longer pieces for the main rooms. Some short lengths must be used even in the larger rooms, however, to "break joints," that is, to overlap the butt end joints so that two adjacent ends do not come in the same place.

It will be noted in referring to the groups in the table above, that "oak floors" are mentioned five times in Groups 2, 3, and 4. When it is considered that (continued on page 710)



*The  
Mellow  
Beauty  
of  
the Past*

*-reproduced  
for modern homes*

**I**N the period preceding 1730, before the Colonies reached their era of prosperity, men made their furniture at home.

Clad in homespun and buckskin, these settler-craftsmen toiled by the light of tallow candles fashioning for strength, simplicity, and comfort. Unknown to themselves, they created a distinct style of irresistible beauty that will live and endure forever.

Stickley has devoted his life to collecting these rare Early American masterpieces. It is to the reproduction of this Early American furniture that the Stickley workshops have been dedicated.

Those who treasure authenticity, who demand quality, who enjoy the mellow beauty of the past, choose Early American by Stickley of Fayetteville.



Write L. & J. G. Stickley, Fayetteville, N.Y., for your copy of the attractive Stickley booklet F

*On display by the better dealers.  
Tourists welcome at factory show-rooms five miles east of Syracuse  
on main highway—Route 5.  
Also displayed by Lake Placid Club, Adirondacks.*



BUTTERFLY  
TABLE  
3011



CHAIR  
4023

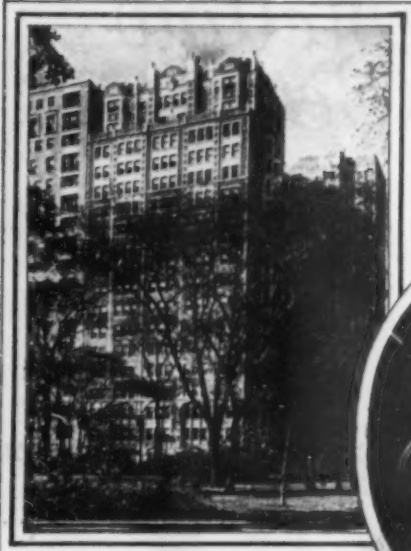


CORNER  
CUPBOARD  
4017E

*Early American*  
BUILT BY  
**STICKLEY**  
OF FAYETTEVILLE



*"We didn't know  
before what privacy  
really is..."*



In Chicago



**to LOCK**  
*press the button*  
**to UNLOCK**  
*turn the knob*

You don't know what real privacy is, until you've visited a home or apartment that's equipped with Schlage Locks. A quiet press of a button and the door's locked. As you turn the knob on leaving, the door's unlocked.

Isn't that great? No keys. A mere glance at the button—even across the room—shows if the door's locked.

Really, Schlage Locks are the most intriguing fittings you've ever seen. And they're in such stunning designs and finishes! In colors, too!

The surprising thing is that they're so simple in construction. An entirely new principle. Only a few parts,—all held together permanently. They stay put! So you're never annoyed by wobbly knobs and loose screws.

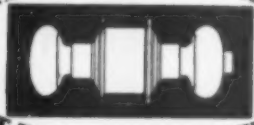
Be sure to include Schlage Locks in your new home. Millions are already in use. They cost less than any other high-class lock. Talk to your architect or contractor about them (say Slay-g).

# SCHLAGE

**THE NEW PRINCIPLE IN LOCKS**

*say Slay-g*

**INSTALL BY BORING 2 HOLES**



**UNIT TYPE...SIMPLE...STURDY**

SCHLAGE LOCK COMPANY, DEPT. 10, SAN FRANCISCO, CALIFORNIA  
PLEASE MAIL BOOKLET ON SCHLAGE LOCKS—

Name \_\_\_\_\_

Address \_\_\_\_\_

## Floor construction and floorings

*Continued from page 708*

each of the terms here used is a general one rather than an actual trade name, the importance of a careful understanding of what is wanted by the owner and what is to be furnished by the builder is obvious. To be sure, see the material. Have a few samples sent for approval. Even then it is well, also, to be sure of the man who is to furnish the flooring and do the laying.

Roofing, heating, and plumbing may be guaranteed; the only sure guarantee for flooring, however, is the name of the man who does the work. We may still not be certain of what we are getting unless we by chance know trade names and customs. It happens that according to the rules of the national association "clear grade" admits three-eighths inches of bright sap, a few "pin knots," and "slight defects."

Finished flooring should not be laid until after all plastering has dried out thoroughly. It is best to wait until practically all work has been done by the plumber and steamfitter as well, and as much as possible by the painter. Many a good floor has been ruined by dirt, grease, or paint-marks, some careless workman thinking "it'll all come off under the scraper." But it will not all come off, and the scraper is not to be considered as a plane. Scraping is merely a little more than good heavy sandpapering. All good, finished floors should be hand-scraped, well sandpapered, and, above all, kept clean.

THE USUAL floor finish is a coat or two of stain, two coats of white shellac rubbed down with steel wool, and then wax. There are about as many ways of finishing floors, however, as there are paint and varnish companies. Here, too, the owner should see samples. Maple, oak, and birch will take the largest variety of color stains and show the best grains in their respective groups. Oak is frequently given a "natural stain" matching the color of the wood, the shellac and wax being applied for a finished surface and for preservation of the wood, prevention of moisture absorption, and ease in cleaning.

All the flooring material mentioned above is considered to be of the standard thickness of thirteen-sixteenths of an inch, roughly referred to as seven-eighths flooring. For modernizing old homes, however, it is permissible to use "parquet carpet," a five-sixteenths inch flooring that comes in rolls,

ready to be applied over an old finished floor. It should be remembered, however, that no floor is better than its foundation. There is no use considering parquet carpet unless we have a smooth, level, finished floor upon which to apply it. It is of course cheaper and lighter than any other parquet, but due to its thinness, it must be "face-nailed"—nailed right through the boards, with nail-holes showing and later filled with putty, colored to match the stain.

A flooring specification should mention which rooms are to have borders, and how these are to be made. The simplest border consists of six or eight strips run around the room parallel to the walls. Since the flooring itself runs parallel to the long walls, one strip is often made of a different material, such as maple, walnut, or mahogany, that the effect of the border may not be lost. An effective and simple border for an oak floor, with little or no extra cost, is made by six strips of maple around the bordered rooms.

ALTHOUGH the woods that are used for flooring are much the same now as in days past, modern science has improved on Nature, or on precedent. There is a patented process now by which flooring can be made somewhat more resistant to moisture than untreated lumber. Floors that will not warp are much to be desired. Particularly is this true when the floor is laid in patterns. This new treatment permits parquet floors to be made up in individual blocks and laid in a plastic cement. The result is a squeakless, handsome floor that can be laid at reasonable cost.

A somewhat similar idea is the oak flooring that is sand papered, filled, and finished at the factory. This makes it possible for the floor to be laid and used the same day. There is no work to be done on it in the house save nailing it to the sub-flooring. The strips themselves are grooved in such a way that the nail holes do not show and the floor when laid presents a perfectly smooth surface.

The best way to choose a floor is to see it and then order it duplicated; the next best way is to have a reliable expert recommend it, supply it, and lay it. The worst way is to consider the subject too technical and not worth troubling about, for this way may mean much trouble later on, and we cannot all take trips to Bermuda to get away from our homes and floors.

## Choosing fences that are fitting

*Continued from page 684*

to extend rather than to confine the property.

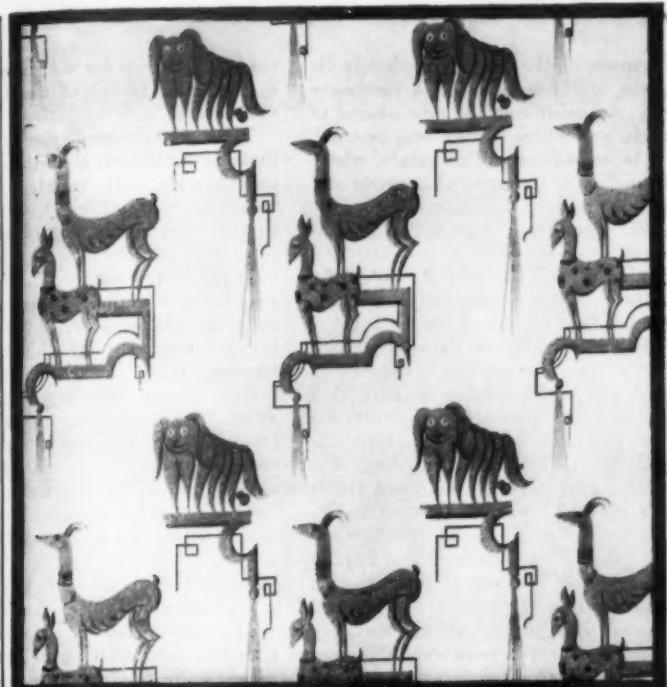
For the city dweller who would give his backyard a somewhat rustic air, fences of cut chestnut saplings are both attractive and practical. Rusticity, imported by these unpainted fences, has been cleverly used by roof-garden decorators, who disguise water-tanks and chimneys behind tall saplings. By this, more than any other decorative effect, they turn the roof into a real garden, which

needs only a few plants and wicker chairs to be complete.

It is in the country or suburban home, however, that fences truly come into their own. The first glimpse that one receives of a country home includes its fence. It is important, therefore, that this be in keeping with the house and the grounds.

There are in general five kinds of fences: brick, stone, metal, wood, and combination fences constructed of any two (*continued on page 714*)





"The STAGG"—a design whose unique combination of naive motifs and sophisticated treatment makes it suitable for a wide variety of uses.

**FOR** the room that demands an unusual treatment—a room where the conventional floral chintzes might seem out of keeping—we commend this delightfully original design.

While it is simple enough to appeal to a child, it has a marked subtlety of line and decorative quality that make it appropriate for any apartment where a somewhat ultra touch is desired.

In either the plain or the semi-glazed finish this pattern makes effective pillows or screens to furnish the modern note in an otherwise conservatively decorated room. And the rich ground shades of terra cotta, blue-green, peach, and black, blend harmoniously with a variety of color schemes.

All Waverly Fabrics are fine in quality, and among the wealth of designs you are sure to find many that conform with your individual tastes. Ask to see them in the drapery departments of dry goods, furniture, and department stores. Prices range from fifty cents to a dollar and a half a yard.

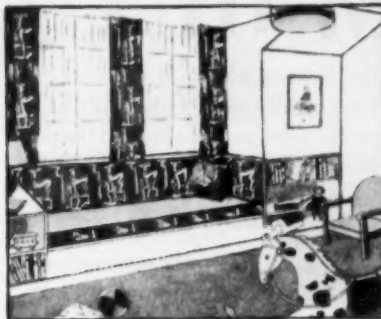
Send 25 cents for beautiful new color booklet showing new uses of chintz in home decoration, and samples of Waverly Prints. Address Dept. 90.

# Waverly Fabrics

60 West 40th Street

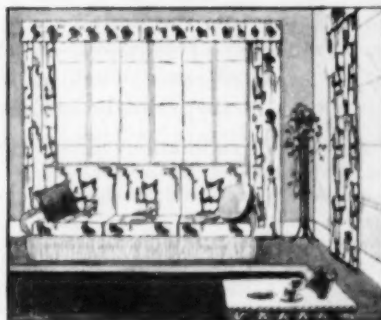
New York, N. Y.

## Three Decorators Chose this Modern Chintz for Three different Types of Rooms ~ ~ ~



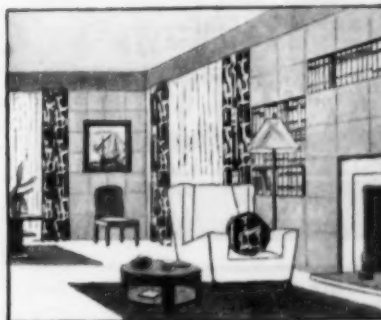
### For a MODERN PLAYROOM

A ground of soft blue-green with figures in golden yellow accented with dull red was chosen for a modernistic nursery. The small owner is delighted with it, and pats the pillows, which are covered with the same chintz, with a loving and appreciative hand.



### For a GAY SUNROOM

The second decorator was doing a sunroom for which she wanted hangings distinctly out of the ordinary. It overlooked the sea and was done in maple with rough plaster walls. She chose this "Stags" design with a peach background and figures of terra cotta accented with black.



### For a MAN'S LIBRARY

In this setting, the figures take on the aspect of animals from an old Assyrian frieze. To walls of paneled pine they add a brightening touch. Here they appear in parchment and brown on a ground of rich terra cotta. The casement curtains in each case are Waverly gauze, lustrous and washable.



## Can Your Own Doors and Windows SHUT HIM OUT?

**H**E IS WIND, discomfort and waste all rolled into one. At times he has cyclonic force. Even in his average Fall moods, he swirls about your home and pours in rain, dust and grime around your windows and doors. During the Winter, he forces in cold and soot—causes fuel waste, drafts and discomfort.

Everybody wants to keep him out. Not everybody does it. But the many thousands who have had Monarch Metal Weatherstrip installed have conquered him completely.

They knew they would. Impartial "air leakage" laboratory tests made by recognized authorities have repeatedly verified the superior efficiency of Monarch Metal Weatherstrip.

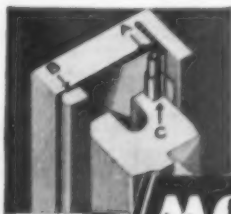
This unusual efficiency is made possible by the Monarch interlocked and adjustable principle of Weatherstrip design. Nothing surpasses it for positive results. Whether windows

and doors shrink or swell, Monarch Weatherstrip adjusts itself automatically without changing the accurate machine "fit" built into it at the factory. *Monarch always works.*

Monarch not only guarantees material and workmanship, but also guarantees that its Weatherstrip will maintain maximum efficiency for the life of the building. Yet, the actual installation cost of Monarch on either wood or metal windows and doors is surprisingly low.

Winter and its discomforts are coming. Phone the local Monarch licensee and have him explain Monarch principles in greater detail . . . especially how you can purchase this comfort insurance on a convenient Budget Payment Plan.

Or, if you prefer, we will send you the complete Monarch story in our booklet, "Where Heat Economy Begins."



**MONARCH**  
METAL WEATHERSTRIP  
*Controls the Air*

MONARCH METAL WEATHERSTRIP CO., 5063 Ponrose Street, Saint Louis  
You may send me your book "Where Heat Economy Begins." Without charge, of course.

Name \_\_\_\_\_ City \_\_\_\_\_  
Address \_\_\_\_\_ State \_\_\_\_\_ ©MMW Co. 1929

## Choosing fences that are fitting

Continued from page 710

or more of the above. Each has its place and function. It is necessary only to point out the advantages of each, and where it may best be used.

As boundaries of an estate, where formality is the general keynote and where profuse foliage screens densely, grille fences may be used to advantage. Ironwork has a stability and strength that make it especially suitable, when handsomely designed, for use as a boundary fence. Another sort of metal fence, the woven wire fence, too, has achieved distinction and has in its modern construction taken a place as a fitting frame for the small or large house. Of rust-resisting metal, it neither sags nor sways, and it makes an ideal trellis for rambler roses, ivy, honeysuckle, or other vines. Behind this beauty lies safety in the children's play yard. There is a sense of security as well as dignity about these modern fences that makes them especially desirable for the country home.

Useful for either a large or small estate is the fence of brick, a particularly happy material that admits of combination with a variety of other materials or stands well alone. For the ever-popular, all-year-round English home, whether this assume a grand or a cottage manner, brick fences are the delight of architects. A typical Georgian wall is of low brick surmounted by an ornamental railing or topped by molded bricks arranged in contrasting order. Charming effects may be achieved by an openwork formation known as the pierced wall.

Another variation is the insertion of stucco panels in ovals or other contrasting forms, so that, in each section of the wall, the brickwork forms arches between which gray stucco panels lie. Sometimes bricks or parts of bricks irregularly introduced in the stucco give relief.

Where the English have used brick, and used it almost to excess, the colonists in America made use of the stones that they found lying about the fields. We find old Colonial houses throughout New York, New Jersey, and Connecticut surrounded by dry stone walls. Fields had to be cleared for tilling, and the stones that were found were heaped up to form borders for the land. No cement was used in these old fences; they were bound by piling, and where an extra frill or protection was desired, they were surmounted by chestnut rails. In time the stones sank into the ground by their own weight, but more could always be piled on top—a fairly simple method of repair. Modern methods have developed much more regular kinds of stone inclosures.

Metal stands for formality, brick for warmth and endurance, and dry stone for an atmosphere of Colonial times, but the wooden fence with its many variations may connote all these atmospheres, and more. There are nearly as many kinds of wooden fences as there are trees, each one presenting the greatest number of variations in shape and form. They are used not only to guard the exterior of an estate, but, within the inclosure, to mark off gardens and plots of ground designed for special

uses. An exterior fence of iron or brick and interior fences of wood are not uncommon.

The most obvious type of wooden fence is the picket: slats three or four inches wide with pointed tops, of weather-resisting wood, and held together by a rear horizontal reinforcement. Everyone knows it. To lend it a little variety, the gateposts may be surmounted by urns, acorns, or pineapple ornaments, contradicting the comment of the critics by showing that this rather ordinary-looking fence was erected with a sympathetic understanding of its usage in early days. Variations in the width of the slats and of the spaces between them do wonders to change the appearance of the picket fence, as do variations in the height and top line.

**A** VERY attractive fence surrounds a country club in New Jersey. Extra-wide slats dip between six-foot posts standing about fifteen feet apart, so that the top fence line comes in a series of inverted curves. The height of the fence midway between the posts is only about four feet. Pink rambler roses climb from both inside and outside and show to advantage against the freshly painted white boards.

Another variation, known as Spanish Spindles, places the wide slats only a half inch or so apart. Conventional figures and patterns are cut, half from one board and half from the next, so that an openwork design is formed. A bit of imagination and an agile jig-saw are all that are necessary to make one's own variations in Spanish Spindle work. Better yet, a pencil sketch may be sent to the fence manufacturer, who will do it for you.

The wattle fence is as typically European as the picket fence is American. It is a mat of slim rushes interwoven horizontally between uprights eight or ten inches apart. It is useful to guard new plantings and as a background for gardens. That it is non-transparent makes it valuable for use about the house or parts of the grounds that are to be concealed.

Most attractive, and rapidly gaining in popularity among the non-transparent barriers are the tall interwoven screen fences of cleft chestnut saplings. Beside being artistic in their rustic appearance, irregular top-line, and charmingly quaint gates, these fences are very durable and require none of the expensive painting and repair which others demand. They are to be had in four heights varying from eighteen inches to six feet eight inches and are useful for bordering flower beds as well as inclosing estates as a whole, and they may be combined attractively with other sorts of fencing.

In our discussion, we must not overlook the five-bar, split-wood fence with obliques coming to a point in each section. This diagonal feature makes the fence particularly visible, hence valuable for enclosing paddocks and pasture lands. And another is the old-fashioned, irregular snake fence whose zigzag bars of rough hewn timbers wind so charmingly through many of our countryside.

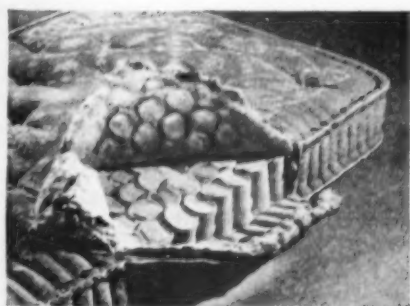
# COMFORT? I never knew real comfort until I got this MATTRESS and SPRING," says

MRS. JOHN  
WANAMAKER

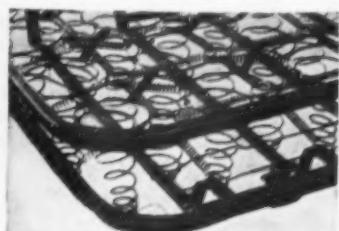
III



BED ENSEMBLE in Mrs. Wanamaker's home, as attractive as comfortable! The marvelous Simmons Beautyrest Mattress—already in over 700,000 American homes—is amazingly resilient with strong, upstanding sides. Damask covers, choice of two patterns, six colors. Simmons Ace Box Spring matches Beautyrest in damask covering, integrity of construction, comfort, finish. Mahogany-finished Windsor Bed from Simmons, No. 1590.



Inside the Beautyrest—the superior inner coil structure makes this mattress supreme! Hundreds of finely tempered coils closely packed in separate pockets extend to edges and are stitched firmly in place. Thick upholstery and damask covers—choice of six colors, two designs.



The Ace Open Coil Spring—Sturdily constructed, low in price. Hundreds of closely placed coils insure marvelous resiliency; special handed border protects sheets.

THE HOME of Mrs. John Wanamaker III in Ardmore, just outside of Philadelphia, has the gracious air of mingled beauty and comfort typical of America's finest homes.

For this lovely bedroom, to match the dignity of her old Colonial pieces, Mrs. Wanamaker chose a Simmons mahogany-finished Windsor Bed, No. 1590, and fitted it with the mattress and spring which women everywhere find so much more comfortable.

Of her Simmons Beautyrest Mattress and Ace Box Spring Mrs. Wanamaker says, "They're simply matchless—such soft upholstery! And so attractive looking with their trim, upstanding sides. Their damask covers are the final touch of perfection."

After years of research the Simmons Company has perfected the marvelous Beautyrest Mattress with an inner coil construction that is extraordinarily resilient. The buoyant Ace Box Spring boasts the same integrity of construction.

In furniture and department stores, Simmons Beautyrest Mattress, \$39.50; Ace Box Spring, \$42.50; Ace Open Coil Spring, \$19.75; Beds, \$10.00



MRS. JOHN WANAMAKER III has all the qualities that make the woman of today so charming, so able; an informal cordiality of manner, keen judgment and the flair for affairs which characterize the famous family into which she married.

to \$60.00; Windsor Beds, \$12.00 to \$25.00. Rocky Mountain Region and West, slightly higher. Look for the name "Simmons."

SEND 10¢ to the Simmons Company, Dept. A 14 666 Lake Shore Drive, Chicago, Ill., for "Bringing Beauty and Comfort to the Bedroom," a book with photographs of bedrooms of distinguished women, and ideas for home decoration.

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## SIMMONS

World's largest makers of BEDS • SPRINGS • MATTRESSES

# Here's that *new* and improved Tontine Washable Window Shade *recently developed by duPont*



Accept test shade for your home . . . note coupon

**T**HE du Pont laboratories have developed a new and greatly improved Tontine washable window shade. A shade widely different from any other you have ever known.

It presents advantages in beauty, durability and washability heretofore unknown. Introduced only a short time ago, it has already supplanted old-type shades in thousands of homes and buildings throughout the country.

Use coupon below for test shade. Find out what this new du Pont development means to you.

*Lovely New Smoothness  
Heavier Weight—Greater Washability*

Due to a *new* finish, this new Tontine is much smoother than before. Thus it is far more beautiful, far easier to keep clean; for dust and dirt do not cling.

Because the basic fabric is impregnated with a new maximum quantity of pyroxylin, one of the most effective water and wear resisting finishes known to science, it is far heavier in weight which makes for greater washability and longer life.

*Rain Won't Harm Tontine  
Wash It . . . Scrub It*

Rain or dampness will not injure this new du Pont Tontine shade. Nor will it crack, pinhole, fray or fade. It is impreg-

nated with the same basic substance as that which accounts for the beauty and durability of the famous du Pont Duco. Consider what this means.

When it becomes soiled, scrub it with a brush. Scrub it time and again. Use all the soap and water you like. You will not injure it. Never before a shade like this. Remember it is a du Pont product, and that means the utmost in quality and satisfaction.

*Comes Smartly Figured  
and in Plain Colors*

Tontine washable window shades come in a range of 6 lovely figured designs in widths up to 54 inches. You can get them also in plain colors up to 72 inches in width, and the popular corded effects up to 63 inches. For the best results—ask your dealer to mount your du Pont Tontine shades on the companion product . . . Tontine Rollers.

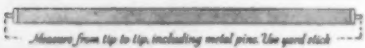
*Accept Test Shade*

*This special offer of a new Tontine washable window shade at \$1.00 remains open only until December 1st, 1929. It is offered at \$1.00 for introductory purposes only, and for this reason we can allow only one (not exceeding 40 inches in width) to a home. The retail price of Tontine washable window shades, depending on the length, width and accessories, is from \$1.75 up.*



## TONTINE THE WASHABLE WINDOW SHADE

Follow These Details



Measure width of shade you wish to replace with the Tontine test shade. Measure tip to tip, including metal pins at ends of roller (see diagram above.) Measure also length of shade unrolled. Specify which color is wanted: White, Cream, Ecru or Green. Fill out coupon fully. Pin \$1.00 to coupon.

(This offer closes December 1, 1929)

E. I. DU PONT DE NEMOURS & CO., Inc. AH-Sept.  
100 Du Pont Avenue, Newburgh, N. Y.  
Canadian subscribers enclose \$1.50 and address coupon:  
Canadian Industries, Limited, Fabrikoid Division,  
New Toronto, Ontario, Canada.

Herewith \$1.00 pinned to coupon. Please send me Tontine shade . . . inches wide, tip to tip (cannot exceed 40 inches,) and . . . inches long (shade unrolled.)

White  Ecru  Cream  Green

Name .....

Address .....

## Science doctors the chimney flue

Continued from page 680

be seen flickering up the chimney even as with the original opening. By this ingenious architectural stratagem the practical end was achieved without reducing the picture.

The room area has an esthetic and practical bearing on the size of the fireplace opening. An area one-thirtieth to one-fortieth the size of the room, will give a satisfactory fire frame, architects say. Originality and atmosphere are often achieved by distinctive mantels, which the genius of the modern manufacturer reproduces in wood, stone, marble, tile, and synthetic compositions from the designs of all the world. The fireplace beneath is of size and shape to harmonize—perhaps the tall slender opening suggesting a villa along the Mediterranean or the generous proportions of primitive New England, when wood was plentiful and cheap and whole logs were rolled on the fire to provide both heat and light. As a general rule, the perfect fireplace calls for a height not greater than its width. The opening forty-eight inches wide needs no more than thirty inches of height, though three or four extra are sometimes conceded for greater ease in throwing on the firewood or for more pleasing proportion.

To-day's fireplace also considers the standard lengths of commercial firewood—twenty-four, sixteen, and twelve inches. Many experiments have proved that not more than eighteen inches of depth are needed for the forty-eight inch width. If too deep, considerable heat will be cut off by the sides; if too shallow, the smoke will steal out. The depth becomes a decision between a space permitting the use of large logs, which require less frequent replenishing, and the shallower type, using lighter sticks, which will throw out more heat.

**I**T WAS Count Rumford's sound theory, which first narrowed the back wall of the fireplace, forming a reflector of the back and sides. Sloping the back wall forward about three and a half inches to each foot of rise still further forced the heat into the room instead of allowing it to ascend straight upward to heat all outdoors.

Not content with beauty of frame and a perfect smoke conductor for the modern open fire, science has developed within the sooty interior of the chimney vital contributions to the control of draft and smoke. In times past, the flames raced unchecked through the "throat" just over the fireplace opening and expanded into the smoke chamber above. Now an ingenious damper runs the full length of the throat. At the touch of a poker or the turn of a handle extending through the masonry, it opens wide for the quick hot fire of birch or pine or checks down to a lesser draft for a more substantial blaze. Through the summer or when central heating is to be conserved, the opening may be

completely closed. The sectional construction of these dampers allows them to expand and contract with changes of temperature, without cracking the face of the fireplace. The plate is easily removed so that soot may be cleaned from the smoke shelf.

**F**ORMERLY the construction of the smoke chamber itself was on the lap of the gods. Perhaps it contained some remote ancestor of the modern flat smoke shelf to catch the air currents flowing down the chimney and deflect them again into the upstream of hot air. More likely it was guiltless of such elaboration, and the fire smoked copiously when the wind was in a certain direction. To-day this most critical part of chimney construction is made quick and sure by a complete steel form around which the new chimney may be built or the old one reconstructed in minimum time. Its smooth funnel-shaped sides act as a nozzle, forcing the draft up the flue. The adequate wind shelf handles the down draft and prevents smoke from blowing into the room.

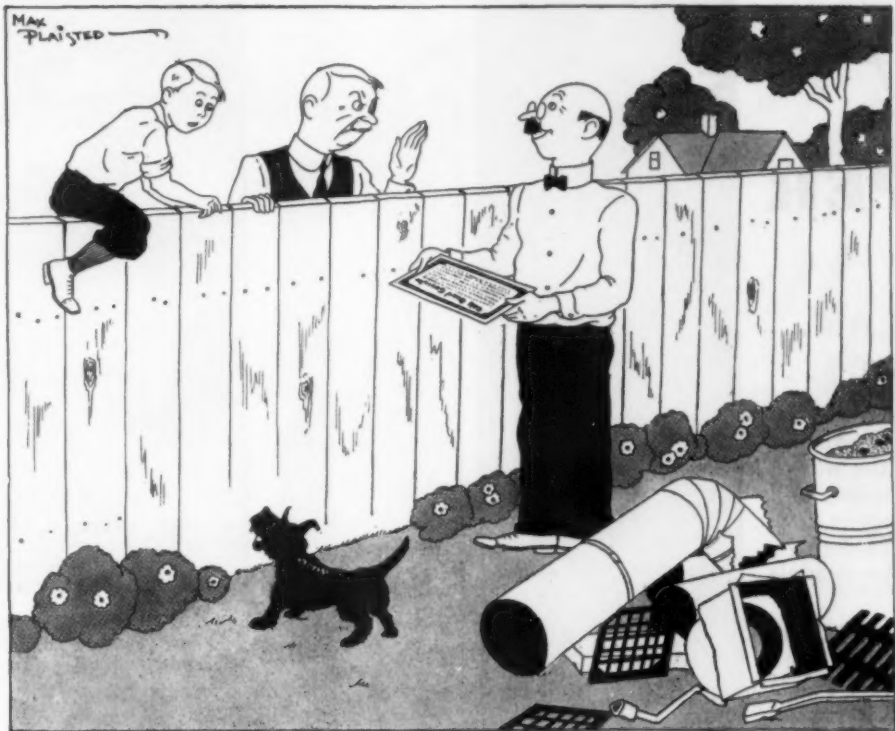
A still further development borrows the principle of the hot air furnace and incorporates it in a unit complete from floor to chimney flue. No firebricks are required for the back and sides of this fireplace. It looks, when completed, even as any other. But inconspicuously placed in the sides or front of the masonry are grilled openings for the admission of cold air, which is heated within the double walls of the form and delivered again into the room through another outlet. A different type of supplementary heater draws air from out of doors, passes it through tubes in contact with the hottest part of the fire, and delivers it in a constantly circulating stream out into the room.

In direct contrast to these devices which wrest from the open fire its last possible unit of heat, come the electric fireplaces to offer the super-heated apartment or home the hospitable atmosphere, that is intimately associated with firelight. Lifelike logs rest upon the andirons, or grates of designs to harmonize with any decorative scheme hold deceptive beds of coal. At the turn of the electric switch, they flicker and glow with the elusive flames which give interest to any fire. Requiring no chimney or vent, this modern hearth-fire and its appropriate enframing mantel can easily follow the moves of the owner of Bedouin propensities. Heat units, too, can be incorporated in it if desired.

Our cherished wing back chairs and high settles no longer serve their original purpose in the chimney corner. For the drafts, against which they protected the sturdy pioneers who tended the first American hearth fires have been harnessed and turned to constructive uses by the genius of modern fireplace construction.

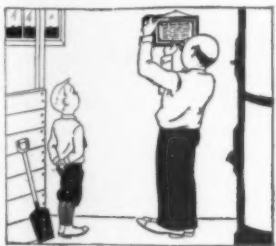


# ADEQUATE HEAT FOR EVERY ROOM GUARANTEED



**“But the heater is only half the heating system,” remarked Mr. Jones . . .**

Lately the Cold Family Robinsons have noticed unusual activity next door. “Guess you’re putting in a heater,” says Father. “A complete heating system,” Mr. Jones corrects him with pride, “It’s this new International idea. Look at the two-fold guarantee I got. Guarantees both heater and installation. You should have seen those men—figured it all out scientifically so we’ll get 72° in every room in the coldest weather. Absolutely guaranteed. The heater is only half the heating system. The installation is just as important as . . .”



“That’s a lot of baloney,” interrupts Father. “When I bought my heater, I told ’em how to put it in, myself. I know that much about heating. When I got through the installation price was cut in half. It’s all in knowing how to run the fire—sort of a gift, I guess—we’ve never had any trouble—we’re always warm and . . .”

Junior thoughtlessly starts humming “Tum, tum - ta - tum-tum.” Father wonders if he’s being belittled.

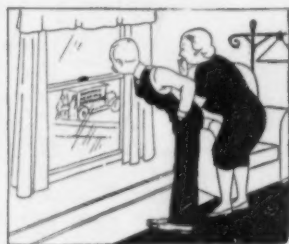
“I think Mother’s calling you,” he scowls at Junior. “Guess I’ll be going myself.”

Mr. Jones wasn’t fooled a bit. He had spent a night in the Robinson’s home last winter and

will never forget how inefficient their heating system is.

Don’t be a Cold Family Robinson . . . Heating systems installed under the International Plan, of Complete Heating Systems Guaranteed, must perform satisfactorily. Not only is the heater itself fully guaranteed, but the all-important work of installation. This gives absolute assurance of dependable comfort and economical operation.

A temperature of up to 72° in every room in all kinds of weather is positively guaranteed from efficiency (not peak loads) either with an International warm-air furnace or hot water, steam or vapor boiler—in both residential and non-residential buildings.



The International Plan answers every question of satisfactory heat; represents minimum expense with maximum efficiency. Service everywhere. Fill out coupon.

# INTERNATIONAL HEATER COMPANY

UTICA, N. Y., U.S.A.

MAKERS OF WARM AIR FURNACES AND STEAM AND HOT WATER HEATING BOILERS

Check the coupon to the right for either or both of the booklets. “Complete Heating Systems Guaranteed” explains in detail the International Plan of guaranteed heaters and installations. “Helpful Heater Hints” tells how to operate a heating plant.

INTERNATIONAL HEATER CO., Utica, N. Y. [Dept. 500]  
 Without charge or obligation send me | | “Complete Heating Systems Guaranteed,”  
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 Heater..... Fuel.....  
 Name and address.....

# Smart WALLPAPER

MODERN ...  
SEMI-MODERN...  
CLASSIC...

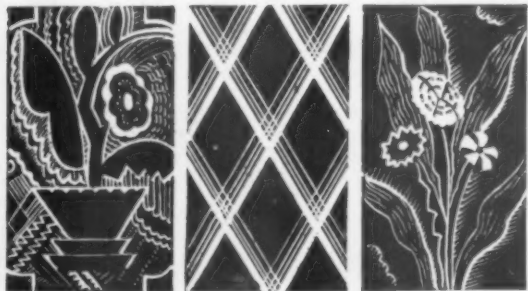
**N**OTHING so dates a house as its owner's attitude toward wallpaper ... Monotone walls have gone the way of monotone clothes. The fresh colors and delightful designs of the new papers have swept the world of decoration as the new printed silks have conquered the citadels of fashion.

Daring papers—that go the whole way with the unfettered young modernist to make a background for furniture based on dynamic symmetry ... Subtle papers—that treat traditional forms from a new angle and carry conventional furniture with them into the moment's mode ... Classic papers—too beautiful in their perfect designs and colors ever to seem old-fashioned... Tested papers—that bear a two-year guarantee against fading. Realizing the need for expert opinion as a guide to choice, the Wallpaper Association has established a Consulting Decorators' Bureau, the services of which are at your disposal. Questions will be answered by return mail—without expense to you.



## The WALLPAPER

ASSOCIATION OF UNITED STATES  
10 EAST FORTIETH STREET, NEW YORK



Two booklets have been prepared—"How to Modernize Your Home" and "Which Wallpaper and Why." They will answer every wallpaper question. Send 50 cents for the booklets mentioned above and 50 samples of actual wallpapers.



A colorful scenic wallpaper of Colonial ancestry depicts the landing of the Pilgrims at Plymouth

## The witchery of wallpaper

Continued from page 671

the lovely Rodier brocades, in tones of tan with small lines of red to match the red in the paper. There is one large leaf pattern, simple but impressive, that would make splendid hangings for this room.

For our next selection, let us bring the garden into our living room. We shall make it informal and chatty, a gathering place for the family on a rainy afternoon, where spirits will be brightened and loads lightened by a cup of tea—and the floral wallpaper.

This floral design varies in its background from the kind we have seen so often. The bunches of rose, lavender, and yellow flowers are brought together by a broken plaid made up of hundreds of light brown lines of varying thickness, running vertically in one section and horizontally in the next. It looks like the satin wood used for boxes and panels. The background of the paper is a light warm cream. With the gay groups of flowers, it will make a garden-like room with just a touch of present day decoration. Again I suggest that the woodwork and ceiling match the background of the paper in color, and that the floor be covered by a tan rug the color of the tan lines in the background of the paper. It is not necessary to make the contrast in color between walls and floor or walls and ceiling too strong. Always keep in mind that the room is a unit and should be treated as such.

The last paper we shall look at is surprising in its color. It has a yellow background, with broken plaid in widely spaced lines, one group satin finish in the same color and the other a shade darker yellow. Over these is run a distinctly vine-like pattern in turquoise blue, with long slender leaves and peculiar brown flowers that look like butterfly wings with a tiny touch of black. This waving vine climbs steadily upward so it will make our low room look higher. It will bring the welcome sunlight into it, and it will give it a strong sense of the Japan-

ese in its decoration. I can imagine it with turquoise blue linen crash curtains edged with a small binding of black. A black marbled linoleum on the floor and turquoise blue woodwork would be striking, but if we must be more conservative let us suggest natural pine woodwork and a good brown Wilton carpet. It is a children's room, though not in any sense a nursery paper. It is gay, quaint, and playful, but still useful for many purposes.

Before we stop in our list of new designs let us consider an interesting treatment for wainscoting, useful in a very high room where the paper appears above a plain panel of another material. Instead of wood or a heavy fabric, use a panel effect made of lin-crusta, a paper-backed material covered with a great many coats of paint. It is heavy enough to give a solid feeling to the lower wall and can be painted any color to match the other woodwork in the room. Once up, it is practically permanent. Since it comes in a variety of designs, it is most flexible. A new pattern of simple panel similar to wood panelling is shown in the illustration.

There are many, many more lovely samples before me, for the new type of decoration depends so much on the walls for interest and design that wallpaper must supply the demand. The new wallpapers strive for effect rather than for naturalism, and in this way they are not pictures but decorations. They are the fairy godmothers that can change a sordid pumpkin into Cinderella's coach in the blink of an eyelash. Fresh new wallpaper can drive away the shades of winter and make the dreariest room charming.

From an economical standpoint there are few wallpapers now that are not good investments. We found that you can paper an average room for thirty dollars. The papers we have looked at are of a quality that will not fade to any extent. The American-made papers (continued on page 722)

# Dribbles that make an Ocean

If inferior pipe always went to pieces "all at once", the need for complete pipe protection—Reading 5-Point protection—would be appallingly evident.

As it is, inferior pipe usually fails on the installment plan—a leaky joint here, corroded spots there: continual dribbles of annoying repairs that finally make an ocean of expense!

Reading 5-Point Pipe—made of Genuine Puddled Wrought Iron—frees you from such troubles. Generations of use have proved that it will outlast your house because it resists all five of the major forces that lower the vitality of ordinary pipe. The puddling together of pure pig iron and rust-defying siliceous slag in a flame-filled furnace puts the age-lasting endurance into this time-tested product. There is no other way to make Genuine Puddled Wrought Iron.

Reading 5-Point Pipe is not expensive. Its first cost is only moderately higher than that of the cheapest pipe. In return for a small additional outlay, it assures you of complete pipe protection for the rest of your life! When buying pipe, insist on Genuine Puddled Wrought Iron, identified by the Reading name, date of manufacture and cut-in spiral knurl mark.

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# GENUINE PUDDLED WROUGHT IRON READING PIPE

DIAMETERS RANGING FROM 1/8 TO 20 INCHES

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BUSINESS—POLITICS—DIPLOMACY

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**6** months of **World's Work** for **\$1**



**Y**OU know about Myron T. Herrick, Ambassador to France. You recall how he stayed at his post at Paris in 1914 when the French Government withdrew. You remember his instant appreciation of Lindbergh.

You will want to know the man more intimately. You will like to associate with Herrick the young lawyer and Herrick the prominent banker. You will wish to hear of the accident that put him into politics. You will be thrilled to stand beside him through stirring times, watching great men and great events, while Herrick, one of the outstanding

figures in international affairs, makes American diplomatic history, and wins the heart of France as no American has done since Franklin.

Here is an intimate personal record, compiled from Herrick's own letters, dictation, conversation, and private documents. Col. Mott was Herrick's military attaché in Paris, and his life-long friend. Largely in Herrick's own words, he draws a vivid picture of a distinguished career and of the national and international political life of our times.

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**WORLD'S WORK** regular subscription price \$4.00 per year

## The witchery of wallpaper

Continued from page 720

are to be guaranteed for two years against fading if they pass a "fadagraph" test the manufacturers themselves have instituted. This will bring the quality of paper and colors up to a definite standard. When your dealer says "sunfast" wallpaper, you may be sure it is sunfast.

These new papers are no more expensive than others we have been accustomed to. Sixty cents a roll buys

a paper of good quality. An average price is a dollar and a quarter a roll, and there are many papers in this class. The more elaborate color effects and hand-blocked papers range from two dollars to three fifty a roll. American made scenic designs may be bought for as little as twelve dollars a set of six strips. There are several at thirty dollars a set, and more elaborate ones for from sixty to seventy-five dollars.

## The somber mattress becomes gay

Continued from page 678

Unfortunately, the lady's eagerness to be in step with the mode had obscured her better judgment. The harmonizing of bedding and bed is considered as important to-day as the harmony between rug and draperies. Modernistic tickings, which come in attractive geometric designs in two color patterns as well as more vivid designs should be reserved for bedrooms which sound a distinctly contemporary note. There are new designs to meet every requirement.

Cotton damasks woven on Jacquard looms are among the most attractive coverings. These coverings for mattress or for springs are woven in one piece. There are no seams to fray out or to mar their appearance. The best mattress to-day is button-tufted with a silk-braided edge.

One pattern which is a great favorite is distinctly classical, featuring an elaborate border and a central medallion. This may be had in Venetian blue, beige, or sea-foam green. A mattress covered in one of these damasks should not match the bed but should be cleverly contrasted to it. A blue-green bed with apricot trim would be charming with a soft-beige mattress.

Another popular cotton damask pattern is made in an all-over design of diamond-shaped lattice, formed by tiny flowers and leaves, with a small blossom in the center of each diamond. This is somewhat lighter in feeling than the medallion pattern and is nice in Colonial rooms. It may be had in

blue, orchid, and rose. Both these designs come with special borders to be used on the side of the mattress. The lattice pattern in rose color was attractively displayed on a gray bed with a floral design in pink.

The newest departure in mattress coverings is a rayon and cotton weave that gives a luxurious silken effect. The pattern is, of course, woven in one piece, and is classic in inspiration, featuring an all-over design in a rectangular frame. It comes in plain colors and in two-color combinations.

Mattresses for the younger generation are carefully styled to meet their taste (or their mother's) in the matter of color and design. Dainty Jacquard checks in blue or pink, and even in yellow are selected for Baby's room. Another amusing ticking ornaments its tan background with rose-colored turtles and bright blue birds. Nursery rhyme illustrations are about to make an appearance as mattress coverings.

A ticking that would be attractive in most rooms makes use of a morning glory vine as its central motif. This is developed in cream-color on green or blue grounds. Dresden patterns are very good for country bedrooms. For the man's room, if a plain color is not desirable, there are stripes of every kind and every hue. These stripes are so intricate and varied, it is difficult to believe that they are the offspring of the somber blue and white ticking that once cloaked every well-behaved mattress with a mantle of deadly uniformity.



The delicacy of this all-over pattern of French inspiration is delightful in this gay country bedroom. The cover is lilac, harmonizing with the decorative scheme of the room



# ATWATER KENT RADIO

## SCREEN- GRID

Your  
radio  
and your home  
—*now they just suit  
each other!*

**T**HE DAY of limited choice in cabinet radio is past. Atwater Kent has found a way of letting you select a cabinet just as you select other choice pieces of furniture for your home.

First, you decide (as so many others are doing) that your radio must be an Atwater Kent Screen-Grid. This settles the question of performance. Then you make up your mind what sort of cabinet will be appropriate for *your* home—and what price you wish to pay.

This new option in selecting beautiful radio cabinets is yours because not one or two, but *many*, of America's finest makers of furniture, each building to his own design, are making cabinets expressly for Atwater Kent Screen-Grid Radio. Each cabinet is worthy of the set it encloses—and of your home.

**On the Air**  
Atwater Kent Radio Hour  
Sunday Evenings, 9:15  
(Eastern Daylight Time)  
WEAF network of N.B.C.

**On the Air**  
Atwater Kent Mid-Week  
Program  
Thursday Evenings, 10:00  
(Eastern Daylight Time)  
WJZ network of N.B.C.

# DANGER!

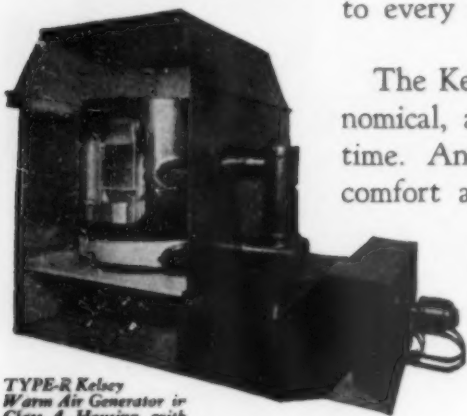
## "STALE AIR—

Not to be  
taken internally!"

This warning ought to be in the rooms of many, many homes. All winter long stagnant air—colds, tiredness, discomfort danger. It makes you dread the thought of another winter. But such fear is unnecessary.



THE air is constantly circulating, always fresh and properly humidified by the Kelsey Warm Air Generator. This heating system—different from all others—is constructed to satisfy every health requirement. A constant stream of fresh outdoor air is warmed, automatically humidified, and sent, with equal pressure (by the automatic blower), to every room in the house.



TYPE-R Kelsey Warm Air Generator in Class A Housing with Automatic Blower

The Kelsey is efficient, economical, and will last a lifetime. And with it health and comfort are assured. Before installing a new heating system—let us send you full information about the Kelsey.

## THE KELSEY HEATING COMPANY

238 James St., Syracuse, N. Y.

Boston—60 Sudbury Street  
4 Merrimac Street  
New York—565 Fifth Avenue

Brockville, Canada  
Dealers—Principal Cities

Without obligation please send me your Free Booklet on Kelsey Health Heat. I have a . . . room house.

Name . . . . .

Address . . . . .

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

Note—Arrangements can be made to purchase a Kelsey Heater on easy payments



## Modern skeletons in the closet

Continued from page 681

A very practical disappearing bed is one that requires no special closet space for its accommodation. It can be rolled anywhere in the house as required. Canopy rods from which drapes or curtains may be hung can be purchased with it, attached either to the bed or separate for attachment to the wall. These rods come single or double. The latter allows a valance to conceal the rod when drapes are pulled to one side and the bed is lowered. Any attractive chintz or portières will serve for a graceful means of concealment. With one of these beds in reserve, a house guest is never inconvenient, when limited quarters might make such hospitality otherwise impossible. It does away with the expensive necessity of maintaining a guest room which is only occasionally in use.

The disappearing beds come in single, double, and twin styles, and the amount of space required for the recessed types of installation depends partly upon the size of the bed. In remodeled homes or rooms that do not permit the building of deep closets, beds of the recessed type may be housed in a space eighteen inches deep, behind double doors which allow the bed to roll out clear of the recess and permit full circulation of air around it. Where there is no possibility of building a closet into the wall, one can easily be built out into the room. The sacrifice of eighteen inches is a small matter in a room of any size, and it is certainly made up by the saving of the thirty-four square feet that the average full-size stationary bed takes up in a room.

There is also the pivot-type bed, which swings around a single three foot door and requires but a small amount of recess space to house when not in use.

It is always important to economize when it can be done constructively. But there are some ways in which economy is more costly than expenditure. Comfort in sleeping is of paramount importance and should always be the main consideration in buying a bed. They who sleep dreamlessly by night are far more alert by day to look after fugitive dollars and devise ways of keeping them at home, than are they who buy beds of cheap construction and toss restlessly upon hard inadequate springs, their problems heavy on their minds.

The most satisfactory disappearing beds have full coil or box springs the entire length and

width of the bed to give softness, durability, and restful sleep. There are two solid mattress clamps to hold the bedding and pillows firmly in place when the bed is up-ended, so that there is no slipping.

Once it has been demonstrated as practical to secrete an article so "hefty" as a bed, there is simply no limit for the imagination as to what may be done with other furnishings, up to and including the kitchen stove. The bashful retiring closet finds itself a center of economic interest, with all manner of small attractive furnishings competing for a place in its depths.

Closet furniture has come to occupy a position so individual and so much in demand that in most of the larger stores there are now Closet Shops devoted exclusively to fittings of this sort. Everything is designed not only to make the closet more convenient but to enlarge the outside room by transferring to the closet clothing that was formerly laid away in dressing table or chest of drawers. This permits an arrangement that is more the boudoir-sitting room than the conventional bedroom. A *poudreuse* may replace the heavier dressing table. A convenient desk or sofa may stand where the chest of drawers was necessary.

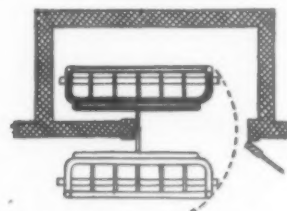
Closet fittings can usually be purchased in matching sets of as few or as many pieces as are required, and in color harmony with the outer room. When the door is open, it is apparent that the closet, like the rest of the house, has its proper decorative pride.

The most inexpensive fittings are paper-covered. These come in a half dozen dainty colors and a wide selection of patterns. There are the new modernistic papers with their novel abstract motifs so smart and original. There are the older but always attractive floral designs. And there are also pieces that make use of old-fashioned prints as a means of decoration. Perhaps the most popular of all are the small allover patterns that somewhat resemble chintz.

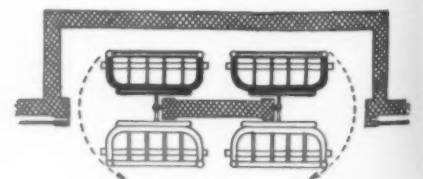
A range of shapes and sizes in closet fittings prevents difficulty in finding styles to suit special closet dimensions. Some pieces are tall and narrow, others low and broad, with many of medium proportions. Of the latter style is a utility cabinet with space for hats, lingerie, and shoes—an excellent way of arranging these belongings in a compact, convenient manner. (Continued on page 730)



These concealed beds may be installed by bolting to the floor. A closet 17 1/2 inches deep will hold one of them, if it is hung on the wall



There are various types of these beds—some fasten to the door, some merely fit into a recess, and others are of the roller portable type



Comfort is insured in this bed by best quality springs and non-slip mattress clamps to hold the bedding firmly in place when the bed is up-ended



Home of Norman Bright at New Egypt, N. J.—painted with the new Outside Barreled Sunlight

## THERE'S A NEW TREND in the painting of fine homes

**TIMES CHANGE**—in the painting of fine homes as in the planning of their architectural detail. Today there is a distinctly new trend in exterior painting.

The white paint standard has been definitely raised. Whiteness has taken on a new meaning with the perfection of a new kind of paint—Outside Barreled Sunlight.

This is not just a claim. Proof is abundant.

A master painter in a New Jersey town recently finished a house with this new paint. Within two weeks he had received unsolicited contracts to paint six other houses. Neighbors and passers-by were amazed at the brilliant whiteness, the rich, deep lustre, the satin-smoothness of Outside Barreled Sunlight. They wanted this paint finish on their own homes.

The same thing has happened in many other instances. Fine homes have taken on a new distinction that sets them apart from other white houses and causes no end of favorable comment.

Outside Barreled Sunlight is the crowning achievement of twenty years' specialization on

white paint exclusively—the gratifying result of our determination to produce the very finest exterior white paint that we could make. It was developed by an adaptation of the exclusive process which produced Interior Barreled Sunlight, the handsome, washable paint enamel used on walls and woodwork in thousands of the finest modern interiors.

Outside Barreled Sunlight costs a few cents more per gallon, but in addition to greater whiteness and richly lustrous beauty, it also has extreme durability. So even-wearing, it is in good condition when repainting becomes desirable.

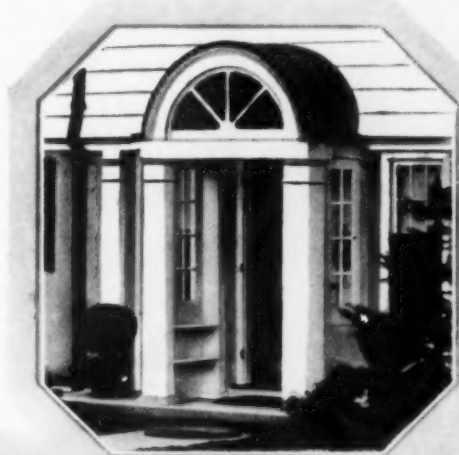
★

**OUTSIDE BARRELED SUNLIGHT** is extremely easy to tint any desired shade. An "all-oil" product, it blends readily with any good oil color. Quantities of 5 gallons or over are tinted to order at the factory without extra charge.

Sold in cans of all sizes, 5-gallon buckets, and large drums.

Full particulars are given in our booklet, "The Whitest White House in Town." Write for your free copy. If you care to give us the name and address of your painter, we will send him a free sample can of Outside Barreled Sunlight to try out.

U. S. Gutta Percha Paint Co., 7-A Dudley Street, Providence, R. I. Branches: New York—Chicago—San Francisco. Retail dealers located everywhere.



Doorway of home of Arthur Hodges Merrill at Hartford, Conn.—painted with the new Outside Barreled Sunlight



Home of Dr. Jere Crook at Jackson, Tenn.—painted with the new Outside Barreled Sunlight



Carranor Hunt and Polo Club at Perrysburg, Ohio—painted with the new Outside Barreled Sunlight



Grass Joints  
between the  
variegated colored  
slabs of  
**Mettowee  
STONE**

are endorsed by leading landscape artists as they bring an added touch of informality to the pathway.

**VENDOR SLATE CO. INC.**  
EASTON · PENNSYLVANIA

"New York Office and display rooms, 101 Park Avenue"

Ask for the name of our nearest dealer and send for our pamphlet "S"



Fine Furniture of  
**HARD  
MAPLE**

**Now the Vogue in Furniture**

Eloquently expressive of pioneer days, reproductions of early Maple masterpieces in antique brown or the natural "honey-tone" give an atmosphere of true Colonial charm and are the vogue with people of discerning taste.

To the charming simplicity of these early designs, modern science has added the magic touch of color—wonderful transparent stains, that impregnate the wood with the color desired and develop its hidden beauties. In these new finishes, Maple furniture—period or modern—is the marvel of all who see it. Exquisite effects are secured by high-lighting the panels, tops and decorative overlays of incomparable Maple veneers.

But you must see marvelous Maple furniture at leading stores to appreciate its ineffable beauty.

*We have just prepared an interesting brochure on "Maple Furniture of Yesterday and Today." May we send you a copy?*

**NORTHERN HARD MAPLE MFRS. ASSOCIATION**  
322 F. R. A. Building, Oshkosh, Wisconsin

**FURNISH AND FLOOR WITH MAPLE**



**Sno White**  
Kitchen Tables  
Breakfast Sets  
Chairs, Tables  
and  
Bases

**Now**  
in colors  
for your  
**Breakfast Nook  
and Kitchen**

**T**HE nationally known "Sno White" kitchen and breakfast room furniture makes its appeal to every woman who loves fine things for the home. Now you may have furniture for your kitchen and breakfast room to harmonize with the color scheme you prefer.

*There's a "Sno White" Dealer Near*

We shall be glad to send the name of our nearest dealer so that you may see, for yourself, what beautiful furniture bears this famous name. You will find "Sno White" wonderfully well made of the finest woods for the purpose. And you will find it colored smoothly, in the best of taste. For only the best is good enough to bear the "Sno White" mark of identification.

*Write for Free Catalog*

Send at once for this big, new catalog showing the latest styles and colors in chairs, tables, breakfast sets and cabinet bases.



**ILLUSTRATED**

**No. 1147**—Kitchen Table; the kind you have always wanted.

**No. 208**—New Breakfast Set; colorful and in excellent taste new design. Two types of chairs, optional.

**No. 88**—Base; most useful for added storage space, or as a cabinet mounting.

**No. 100**—New Gateleg Table for the kitchen or breakfast room; saves space (folds as shown when not in use).



**KOMPASS & STOLL CO.**  
NILES Dept. 10 MICHIGAN  
Established 1891

# That Difficult September Morning

...when your wife says,

*“Hadn't you better start the fire?”*



When you have cherished the hope that warm weather would continue at least a month longer so you could save fuel and cut down your cost of heating. ✕ ✕ When a sudden snappy morning and your wife's words make you realize that your hope was all in vain. ✕ ✕ Suppose you had a boiler so efficient that you *could* start the fire a month early and *still* cut down your cost of heating. ✕ ✕ Wouldn't that put a different complexion on the situation? You bet it would!

## And the New Smith "16" Can Do It!

**A**LL BOILERS look alike. It is how they are made that makes the difference. Efficiency features cost money, but they save their cost over and over again. You pay for your boiler only once. But you pay for fuel every year—that's where the saving can be made.

The efficiency of the boiler is the prime factor in the cost of heating, and is even more important when you burn oil or gas than when you burn coal. Oil and gas make hotter fires—give off more heat units per minute—put a greater tax on the boiler's efficiency.

A boiler is efficient or inefficient on two counts. First, in burning fuel. Second, in absorbing heat from the fuel burned.

If the boiler burns only 75% of the gases liberated, allowing 25% to escape up the chimney unburned, and if it absorbs only 75% of the heat from the gases burned, allowing 25% to escape up the chimney unabsorbed, its efficiency is only 56¼%. These figures do not exaggerate common occurrence.

Taking this into consideration, together with the fact that the average yearly fuel bill runs from one-half to the full cost of a boiler, it is evident that an efficient boiler will save enough on the cost of the fuel to pay for itself every three or four years—a saving that will buy radios and automobile tires, and silk stockings and many other things.

### Fact—Not Dream

This is not a dream we are talking about. We are talking facts. The cost of heating even when on an efficient basis is one of the largest items in

running a house. Whether you now have an inefficient boiler or are going to build and want to avoid installing one—you owe it to yourself to go into this subject carefully. Ask any good Architect, Engineer or Heating Contractor about H. B. Smith Boilers in general and the New Smith "16" in particular.

*Send for our free book*

It would take far more space than is available here to explain the value of the many efficiency features incorporated in the New Smith "16"—features that insure efficient burning of fuel and efficient absorption of heat. But let us send you a copy of our new booklet, "The Smith 16" which will give you an idea of their importance and value. The amount of money you can save is far too great not to get the facts about how you can save it. Simply mail the coupon below and the book will be sent you free of charge and with no obligation to you.

THE H. B. SMITH CO.  
Dept. L-5  
Westfield, Mass.

Gentlemen: Without cost or obligation to me, please send me a copy of each of your two books, and details of the New Smith No. 16.

Name \_\_\_\_\_  
Street \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_

**THE H. B. SMITH**  
BOILERS & RADIATORS  
*Used in fine homes and buildings since 1860*

The H. B. Smith boilers for steam, hot water and vapor heating radiators; and hot water supply boilers; for factory and public building.



The New Smith No. 16

**A BOILER IS EFFICIENT OR INEFFICIENT ON TWO COUNTS**

▼

**1. In burning Fuel —**  
*without Fire Brick Lining or auxiliary Air Supply.....*

(Narrowed Fire Area)  
**75% EFFICIENT**

*with Fire Brick Lining and auxiliary Air Supply.....*

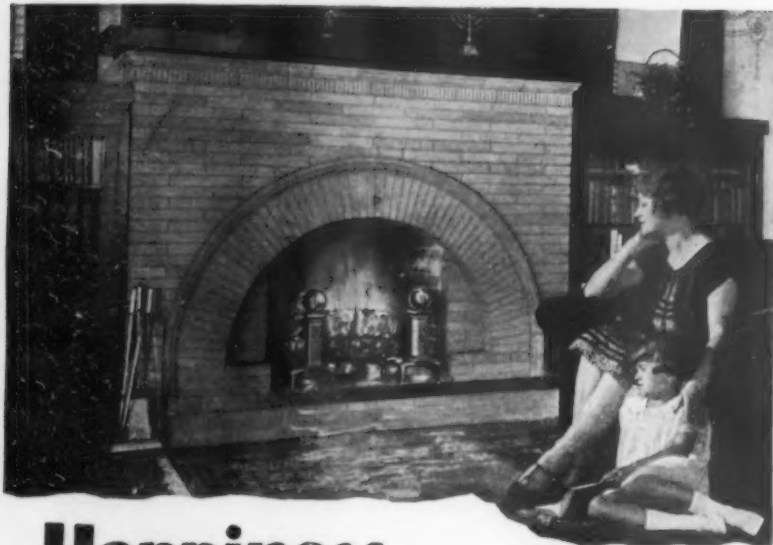
(Full Grate Fire Area)  
**100% EFFICIENT**

▼

**2. In absorbing Heat.**  
*Narrow necked funnel wastes water... as too little FIRE SURFACE wastes HEAT.....*

▼

*..... With wide necked funnel—no water flows over the top. With plenty of FIRE SURFACE no heat is wasted up the chimney*



# Happiness and Contentment Certain with this Fireplace Control

The fireplace has been enshrined as the "heart" of the American home . . . the center of family life . . . a source of inspiration, comfort, cheer and hope.

Like all "hearts" that are true a fireplace must be dependable and steadfast, hence the necessity for the regulation and restraint provided by the Colonial Damper—the "brains" of the fireplace.

### Perfect Draft Control

Smoking ruins a fireplace . . . one that doesn't draw properly won't burn cheerfully and is worse than none at all. Avoid smoking and other faults that ruin a fireplace by insisting on the Colonial Damper which controls the draft perfectly by enabling you to check it as low as you choose or open the throat wide for a roaring fire. The Colonial Damper compels the correct formation of the fireplace throat—the vital part—and helps to throw the heat out into the room where it belongs instead of up the chimney where it is wasted.

### Takes Up Heat Expansion

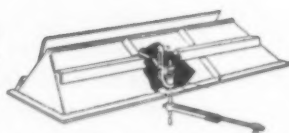
The Colonial Damper meets all conditions of construction and is approved by leading Architects, Dealers and Contractors. It is the only damper made that takes up heat expansion within itself and thus prevents the possibility of a cracked fireplace facing.

New style "G" with "Armco" Iron damper door is the only damper with independent operating device that can be set high up in the throat where only best results are to be obtained.

Write for fireplace blue print or any fireplace information desired. Consult our experts freely without obligation. Folders descriptive of The Victor Electric Fireplace or Glo-Hot Electric Grate as illustrated sent on request.

COLONIAL FIREPLACE CO.  
4641 Roosevelt Road, Chicago

# Colonial Damper



Style "G" extension operating device enables the Colonial Damper to be set up high in the throat where only the best results of draft control can be obtained.



The Victor Electric Fireplace—a complete fireplace unit built ready to set against any wall like a piece of furniture. Includes mantel, facing, grate, amber coals and "Glo-bar" heating element. Complete, beautiful, practical and economical.



The "Glo-Hot" Electric Grate sets in any fireplace opening or in an open room. A complete heating unit that attaches to baseboard electric outlet. Looks like live coals and HEATS—without ashes, dirt or odor.

## Modern skeletons in the closet

Continued from page 724

Booteries to stand in the closet corner are a great improvement over lining up shoes against the footboard. They hold from four to twelve pairs and come open or with drawers. The latter may be used for hosiery too. A bootery for four pairs of shoes, open style, costs about \$5.00.

Suit and hat boxes come as low as \$2.00 each. Hat boxes are in two styles, single with hinge, or nested. Some suit boxes are also nested. When these are pyramided, they narrow at the top and do not take too much space at the height where coats and dresses may be hanging.

Dainty clothes hampers, oval or oblong in shape take little closet space

for the convenience they give. One of these for the guest room is now a part of the well planned arrangement.

A small chest of shallow drawers wherein one may lay handkerchiefs, hosiery, and all of the flat-folded articles of clothing that need little room is also a space-saver.

Prices of these fittings vary according to size and covering. Many of the larger ones are under ten dollars, and they are well made and durable. Two coats of shellac, if one does not mind the work, will make it possible to sponge them from time to time and keep their colors fresh. This really adds considerably to their surface durability and is well worth doing.

## The architecture of the French provinces

Continued from page 672

farmhouse remains in most cases the sleeping room as well, and there is little variation in its arrangement and furniture. Its most impressive feature is its great fireplace, usually of stone but framed in wood with a wood mantel. This is of generous width and is generally about five feet six inches high although there are examples of lower openings. The stove has found its way into many of the Auvergne fireplaces but where this luxury cannot be afforded the fireplace is about three feet deep with yawning flue, hooded within the wall and equipped with crane and pot hooks. The wanderer's bench may be found at the side of the embrasure, and the mantel shelf presents its alignment of candlesticks, plates, faded tin-types, and bottles.

At one side of the fireplace stands the buffet or dresser often built into the wall with ample cupboards below. One wall is given over to the alcoved beds, of which there are sometimes as many as four in line, Pullman fashion. This wall is invariably wood-paneled and often shows carved and molded valence and sides framing the bed openings. There extends along most or all of its length and below the beds a bench-chest to store clothes and to facilitate getting into bed.

This wood paneling is often carried along two walls, and in the more prosperous farms along three or all. The stone or slate sink finds a place under the window with outlet below the sill, and there is usually an alcove sometimes within a deep window reveal for the hanging of pans, skimmers, and ladles.

The treasured copper fountain and basin still hangs upon the wall, and no self-respecting farmer is without his grandfather clock, sometimes incorporated in the wall panelling and often between two beds. The floors are of stone or broad bricks occasionally overlaid with planking. The long unpainted table with deep bread drawers at the ends and the trestle benches are placed near the center of the room, and there are rough chairs with straw bottoms in odd corners.

The ceilings are low, beamed, and boarded over the beams. From them hang all manner of provisions, such as cured meats, sausages, and cheeses. Smoked and aged from amber to black, the ceiling and walls give the

room a rich and somber effect intensified by the highlights of shining copper and rows of glistening plates. In wrought-iron, there are simple latches and knockers and cupboard hinges of original design.

The brightest colors are those of the counterpane and curtains with which the alcoved beds are generously supplied. These, in pattern and material, suggest our own early American quilts and fabrics.

Doors from this main room lead to a possible supplementary bedroom, to a storage room, and to the barn. When the house is of two floors, a simple wood stair with turned balusters leads from living room to roughly boarded quarters for servants and hands, and in the more common one-story houses a ladder within or without the main room leads to the hay lofts that lie under the roof.

With necessary modifications, I believe the Auvergne farmhouse may be happily used as a basis for an American adaptation and yet maintain much of its original character and beauty.

As a problem of adaptation the Auvergne farmhouse presented some difficulties, because the spacious barns and lofts are almost invariably incorporated within the house itself, thus creating a window distribution and effects of roof and wall surface that do not lend themselves easily to radical plan changes.

Auvergne, even in the mountainous regions, is essentially a cow country, and the farmhouses are mostly barn, not only because of economy in building and general convenience, but also because the animals, together with the hay stored in the lofts under the roofs, provide important heat and insulation during the rigorous winter months.

In my adaptation I have tried to recall the barn entrance by means of the garage doors. The doors themselves, the bracketed hood over them, and the pigeon-loft all help, I believe, to suggest typical features of Auvergne farmhouse construction. It seemed wise to further separate the main entrance from the garage door.

The roof of the house should be of heavy graduated blue and blue-green slate, but wood shingles stained to corresponding color, with extra heavy butts and laid somewhat irregularly might be substituted at less cost.

# Use this new, successful method of Fireplace Construction

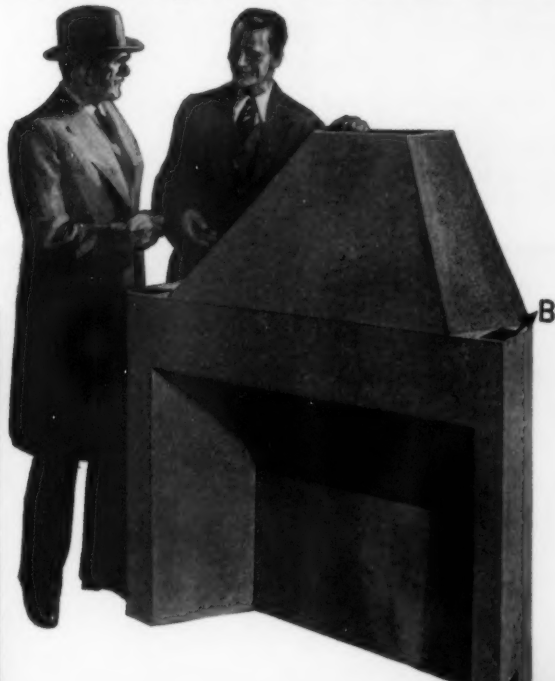
With little, if any, additional cost it guarantees smokeless operation and double heat

THE usual method of building a fireplace leaves too much to chance. You can't be sure till you light the first fire how it will draw and how it will heat.



With the Heatilator method there is no uncertainty. The use of the Heatilator Fireplace Unit absolutely assures perfect construction. Not only will the fire burn without smoking but it will send into the room two or three times the heat of a fire in an ordinary fireplace. This we fully guarantee. If for any reason the Heatilator is unsatisfactory we will refund the purchase price together with an additional sum, not to exceed \$20, to cover removal and return.

The Heatilator has been tested in thousands of homes without a single failure.



The Heatilator as delivered ready to install. Arrow A indicates the cold air intake leading into the heating chamber. After being heated, the air is sent out into the room through outlet marked by Arrow B. An intake and outlet are similarly located on the other side of Heatilator.

To the left is a view of a Heatilator Fireplace in the Montgomery Journal Model Home, Montgomery, Alabama. Note the grilles for cold air intake and warm air outlet.

F. B. Noyes, Vacaville, California, in whose home the Heatilator Fireplace to the right is installed, says: "It is very satisfactory. We would never build another fireplace without a Heatilator."



Architects who have investigated previous installations specify the Heatilator Unit for completely satisfactory results.

The Heatilator is a heavy, double-wall, metal form. The fireplace masonry is built

around it. Cold air is drawn from the floor into the heating chamber formed by the double walls and after being heated is sent out into the room. This heat supply ordinarily wasted up the chimney, is double or treble the amount obtainable from an ordinary fireplace. It equals that from a spacious warm-air register and is enough to warm a whole room.

The Heatilator includes damper, firebox and smoke chamber. Money saved on materials, labor and fuel more than covers the cost of the Heatilator.

There can be no risk of disappointing results when the Heatilator is used. It is the home-owner's absolute assurance of complete satisfaction.

We will gladly arrange, without obligation, an inspection of the Heatilator. Sim-

ply mail the coupon below and let us send you detailed information, including Heatilator Plan Sheets of Modern Fireplaces.

HEATILATOR COMPANY

532 Glen Avenue Syracuse, N. Y.

## Heatilator Fireplace Unit

Simply write the name and address of your local building supply dealer under the coupon, and we will arrange to send him a Heatilator for you to examine without expense.



Before building new fireplaces or remodeling old ones you will want to see our new Plan Sheets of Modern Fireplaces. Fill in and mail the coupon today. . . . There is no cost or obligation.

HEATILATOR COMPANY, 532 Glen Avenue, Colvin Station, Syracuse, N. Y.

Without charge or obligation, please send Plan Sheets of Modern Fireplaces.

Name .....

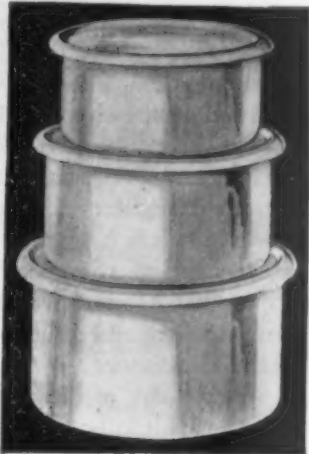
Address.....



## Devices for American Homes

Conducted By  
Shirley Paine

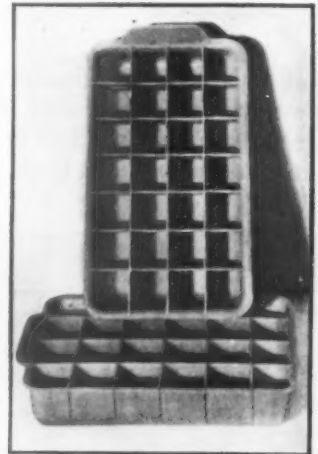
Readers are cordially invited to order any of these devices. Just send a check payable to Shirley Paine, % Doubleday, Doran & Company, Inc., 244 Madison Avenue, New York, and they will be ordered from shop or manufacturer. No stock is carried here and, unless specified, transportation charges are collect.



**R**OUND refrigerator acid-proof enamel dish set permits air circulation so necessary to keeping food. Easy to clean, sanitary. Diameters 4", 4 1/2" and 5". Colors: red, green, yellow, white; flat covers. \$1.95 complete. Express collect from Milwaukee.



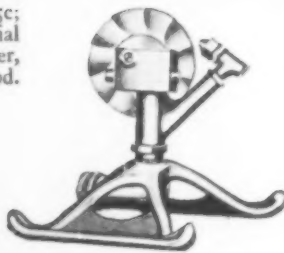
**F**IVE modern potato tools: Left, potato chipper, 45c; fine stainless steel knife to last forever, 90c; special julienne knife, \$1.15; curl cutter, imported, 50c; lattice cutter, 55c, extreme right. All p'pd. Special group price, \$3.25, p'pd.



**W**HY splatter a new frock thawing ice cubes from metal trays? Flexo-Tray is pure rubber; bend it, cubes drop out in a jiffy. Frigidaire: 15, 18, 21, 24 cube: \$1.90, \$2.15, \$2.15, \$2.40; GE-any style or Kelvinator, \$2.15. Postpaid in U. S. A.



**Y**EAR[S] of constant research are behind this Double Rotary Jr. lawn sprinkler; not a hit or miss device; sprinkles evenly and economically just where you want, in circle or straight line. Instantly adjustable spray. Fully guaranteed to rotate at any speed desired. \$7.50 exp. coll.



**T**HE Jiffy Electric Stove (Below) uses 2 new principles: vertical roasting sears meats or fish instantly; preserves all juices; reflectors save heat, while Steamer cooks vegetables; no lost vitamins; just fill lower steamer with water. Booklet.

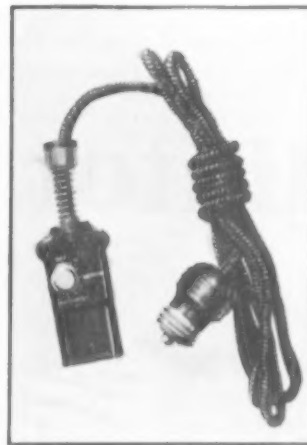


**H**ERMETICALLY quick-sealing jars hold flavor of cookies, coffee, crackers and other foods; protect from moisture. Clear glass, covers blue, green, yellow or white enamel. Snap catches. 6" diam. x 6" ht., \$2.75; 6" diam. x 8" ht., \$3.75. All p'pd. east Miss.

**S**OMETHING new.—The On-A-Door umbrella and cane rack; fits any door. Holds 8 items neatly, firmly; latches pivot. Attached in 2 minutes with screwdriver. Choice red, blue, green, ivory—all antiqued. Complete with screws, \$3.85 p'pd. east of the Miss.



**A**T LAST a 9 oz. check-writer; large characters, any amount; fast; finest materials and finish. Guaranteed. \$12.75 p'pd.



**A**BOVE Saves current; no loss of flavor from slow ordinary oven. Size oven 11 x 14 x 21" ht. Holds small turkey; 3-heat switch; universal current. Complete with aluminum steamers: in blue steel, \$49.50; white enamel, \$54.50; green, yellow, or blue enamel, \$59.50. Express collect.

**T**HIS electric iron cord and socket is a life-saver. No more danger of overheating, or fire hazards when left on accidentally. Dial gives 5 positive heat controls; saves current; guaranteed by reliable old firm. Complete as shown, \$1.65, p'pd. (A. C.)





Lupton Residence Casement Windows and Lupton Heavy Casement Doors add to the smart appeal of this charming residence.



An interesting hallway termination is achieved with this Lupton Heavy Casement Door.

Lupton Residence Casements provide scientific lighting and ventilation for a modern kitchen.

## LUPTON CASEMENT WINDOWS



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WINDOWS are the high lights of a house. They relieve walls, with squares of sparkling life. From within, they serve as living pictures of the changing seasons: flaming autumn, crisp winter, pregnant spring, mellow summer.

Houses must see and breathe through their windows. Indeed, the matter of

ventilation makes windows the most important appointment of the home. They bring fresh air to the bedroom at night. They carry off the cooking odors of the kitchen. The healthfulness of every room depends upon their efficiency.

Among home owners and home builders, there is a growing recognition of the influence of windows in the day-by-day life of the home. This has been expressed in an increasing preference for steel casements.

In the Lupton Steel Residence Casement, the home window attains its highest development. Slender steel lines divide the glass, and create charming delicacy in the design.

Beneath this beauty is a sturdy usefulness that will stand up through the years. A new Lupton friction-hinge

assures effortless operation, and prevents chatter in a high wind. Housewives will appreciate the fact that both sides of the window can be cleaned from within the room. Made of steel, these windows will not swell or stick on damp days. When shut tight, a double contact of sash and frame locks out cold, obviates weather-stripping, and cuts down furnace expense. In summer, the window-leaves can be opened to borrow the slightest breeze.

It used to be the fashion to date residences by carving the year in stone over a doorway. Today, the type of windows used determines the age of the house. Steel casements are usually signs that the building is modern in every respect. Their varied advantages make them the logical windows of the future. May we send you a free copy of the booklet, "Better Windows for Your Home"? David Lupton's Sons Co., 2267 E. Allegheny Avenue, Philadelphia, Pa.



Lupton Casement Doors harmonize with the decorative treatment of this dainty boudoir.

## proud designs-fascinating weaves-glowing vibrant colors that are fast-Orinoka draperies create rich harmony



WHETHER one's choice is of heavy stuffs, for over-draperies—or sheer materials for glass curtains—the richness of Orinoka designs, the fascinating weaves, the living splendid colors are a true expression of the instinct for harmonious surroundings ■ The vibrant glowing colors of Orinoka draperies are guaranteed fadeless. The threads are hand-dyed by a special process that makes them fast. Orinoka designs are woven, never printed. If the colors change from washing or exposure to the sun, merchants are authorized to replace new materials or refund the purchase price. Look for the guarantee tag attached to every bolt of Orinoka colorfast draperies ■ It is a pleasure to know that your windows are correctly and beautifully draped with fabrics that will arouse the admiration of your friends. It is a satisfaction to create fresh curtains and draperies, and know that their rich color harmony is lasting. There is no economy in buying draperies that fade ■ A new Orinoka booklet showing modern and period styles in interior decoration, profusely illustrated with rooms as well as fabrics used in full color, will be ready about October 1st. A copy will be mailed on receipt of 20c in coin. The Orinoka Mills, Department A, 215 Fourth Avenue, New York.

# Orinoka

DRAPERIES-SUN AND TUB FAST

## The practical bedroom for a young girl

Continued from page 679

pieces. Against these arguments, one must weigh the fact that a mistake in the selection of a set is much more serious than an error in the purchase of a single item. It is also true that a room composed of harmonized pieces of furniture which are not uniform in design is much more livable than the average room furnished with a matching suite.

The most practical bedroom for a young girl combines the features of a living room and a sleeping room. It should be a place where she may bring her intimate friends for a cozy afternoon, at any time. Here she can be quite safe from her younger brother's pranks, and here she can always entertain informally without consulting her mother to find out whether the living room will be available.

There are several types of furniture particularly suited to a girl's room. Early American pieces of yellow maple combine delightfully with chintzes, braided rugs, and dainty organdie curtains. French provincial furniture, with a walnut or a beech finish, has gentle curves and a charming air of unsophistication. Uneven plaids in coarsely woven fabrics or tiny calico patterns, often quilted, are most suitable to use with this type. Painted furniture, whether in period, modern, or modernistic styles, is always attractive, provided the color scheme is carefully worked out. Flower stencils or decalcomania may be applied to a set which comes finished in plain color at time of purchase, or which is painted by home talent.

Two of the rooms which are budgeted in this article are made up of unpainted furniture. The store prices for finishing in color or in natural wood effect are included. If the furniture were done at home, the major part of this item could be deducted, although a small amount would be necessary to cover the cost of paint and brushes.

The third room described is furnished with maple Early American pieces, with the exception of the bookcase, which is painted green. The introduction of a variation of this kind lends interest to a room. The desk and the odd little oval table help to contribute living room atmosphere.

Let us consider the individual

pieces which will be necessary in a girl's bedroom. A daybed is very desirable for this type of ensemble, and may be bought in almost the same width as a single bed. It can be placed with the long side against the wall and used as a settee during the day. The fact that the headboard and footboard are the same height is often the only point which distinguishes it from a regular bed.

A chest of drawers of some kind is essential. The old bureau or dresser with the attached mirror is being replaced by the much older lowboy or highboy. If there is a dressing table in the room, a mirror is not necessary above the chest. A hanging bookshelf, a picture, or a bit of colorful fabric can be used to good effect instead. There is almost nothing that brings as much joy to the heart of the average girl as a dressing table, draped in dainty chintz or dimity. The cost is slight, moreover. An old kitchen table can be used, disguised with paint and frilly draperies, or a kidney-shaped table can be bought in unpainted wood for about \$9. Those with drawers or swinging gates which open to reveal convenient shelves are more expensive, costing in the neighborhood of \$16, which sometimes includes the plate glass top. A nice triple mirror may be purchased for \$15, or a less costly hanging mirror can be used.

Instead of the dressing table, one may invest in a little French pouf—*poudreuse*—or powder table—which has compartments or drawers for the necessities of the toilet, and also boasts a mirror, set in the inside of the middle section. These vanities may be had in several varieties of natural wood finish or in attractive painted designs. The latter, with floral paintings in the Venetian manner, cost \$52, complete with matching bench. A plain-colored square vanity table with the "make-up box" set on top, covering the entire surface, and a stool which fits underneath, is priced at \$30.

As a substitute for the large chest of drawers, I have seen a most attractive ensemble used in a girl's room. This consisted of a little green vanity table, flanked on either side by a narrow chest covered in gay figured paper. One contained lingerie, the other shoes and stockings. The frames of (continued on page 736)



The vogue for French provincial furniture is exemplified in this bedroom with its charming little *poudreuse* and its rush-seated chair (Courtesy of Hearthstone Furniture Co.)

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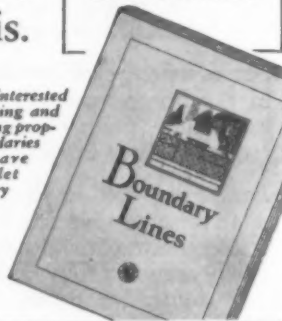
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# PAGE FENCE

CHAIN LINK \ \ \ GALVANIZED OR COPPERWELD ORNAMENTAL WROUGHT IRON

## The practical bedroom for a young girl

Continued from page 734

these little pieces are made of wood, so that they are much more durable than they sound. They cost from \$20 to \$25. Another style is made of painted wood, with a Godey print applied, and is very charming with a poudreuse of walnut or beech finish.

An overstuffed chair is not an extravagance and, from the point of view of comfort, is well worth the extra cost. An old chair with a new slip cover may serve the purpose, but boudoir chairs can be purchased for as low as \$16, if one watches for an opportunity. As a substitute, a colonial or provincial chair with arms can be made both comfortable and colorful with padded back and seat cushion to match the draperies or bedspread. Occasional tables are so diversified and inexpensive that they are, perhaps, the easiest things to find.

Having discussed the necessities, the "extras" are the next things to consider. For a bed sitting-room which is to be used by a schoolgirl, a desk is always practical. It is infinitely easier to do home work when one is alone and not distracted by the buzz of family conversation. However, a table of ample proportions is a possible substitute.

There should be a place for books in the bedroom. It may be shelves built under the window seat, or it may take the form of an inexpensive hanging shelf. This, of course, will be decided by the demands and the preference of the occupant. A tall, narrow unfinished bookcase which can be painted to harmonize with the furnishings gives a room an interesting "lift."

A tea table is a nice touch, and the shops are showing the most intriguing varieties. There are tables of painted metal, tables with glass tops, and also trays which fit on folding stands, in addition to dozens of attractive models in plain or painted wood.

The rugs or carpet to be used depend entirely on the amount to be expended. A wool Axminster in a plain color, size 9 x 12, costs about \$48. Narrow width carpet sewed together makes a neat floor covering but is likely to wear at the seams. A wool-fiber rug in a 9 x 12 size is practical and good-looking and costs only \$21.95. Scatter rugs, which may be braided Colonials, rag rugs, Numdahs, or hook rugs, real or imitation, are attractive and can be used if the floor is well-finished. Many of these are both inexpensive and quaint, being particularly suitable with Colonial or provincial furnishings.

The accessories in a room are always the most fun to select. A pair of dressing-table lamps with a nice pewter finish costs \$4 each, complete with shades. A lamp with a pottery base and a figured parchment shade sells for \$5. But lamps are the least of one's troubles. The shops abound in delightful styles and shapes, many of which are very moderately priced, and the woman who is clever with her fingers can always make her own lampshade.

Flounced bedspreads of dotted lawn in colors combined with white and buttonholed and piped in the ground shade cost \$6.50. Curtains to match are priced at \$3.85 a pair, including valances. A chintz spread in a tiny calico pattern, combining red and yellow, costs \$5.00, and matching curtains may be had at \$2.95 a pair. Organdie bedspreads are charming to look at, but must be kept in the pink of perfection and require frequent pressing.

If you desire a particular pattern of chintz, it is a comparatively easy matter to run up a bedspread on a sewing machine, even if you are an inexperienced seamstress. Simple overdrapes for the windows may also be made, and the frilled glass curtains can be bought in the shops in white or ecru, or in a harmonizing shade.

I

<i>Yellow maple Early American Room</i>	
Bed . . . . .	\$ 23.50
Bedding . . . . .	35.00
Low boy . . . . .	55.00
Mirror . . . . .	11.75
Small desk . . . . .	22.50
Green painted bookcase . . . . .	22.50
Chair . . . . .	7.75
Oval duck-foot table . . . . .	13.75
	<hr/>
	\$191.75

II

<i>French Provincial room, unpainted furniture—stained to order</i>	
Bed . . . . .	\$ 28.00
Bedding . . . . .	35.00
Chest . . . . .	38.00
Mirror . . . . .	15.00
Vanity table . . . . .	32.50
Bench for vanity . . . . .	15.00
Chair with rush seat . . . . .	15.00
Small bed-table . . . . .	5.00
	<hr/>
	\$181.50
Shop charge for finishing in beechwood effect . . . . .	51.00
	<hr/>
	\$212.50


III

<i>Painted Colonial furnishings—may be bought unpainted</i>	
Daybed . . . . .	\$ 24.00
Bedding . . . . .	35.00
Draped dressing table (draped at home) . . . . .	18.00
Triple mirror for dressing table . . . . .	15.00
Stool for dressing table . . . . .	4.50
Low boy with bun foot . . . . .	38.00
Bookcase . . . . .	15.00
Footstool . . . . .	2.50
Upholstered colonial chair . . . . .	16.50
Butterfly table . . . . .	11.75
	<hr/>
	\$180.25
Shop charge for painting . . . . .	27.00
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	\$207.25

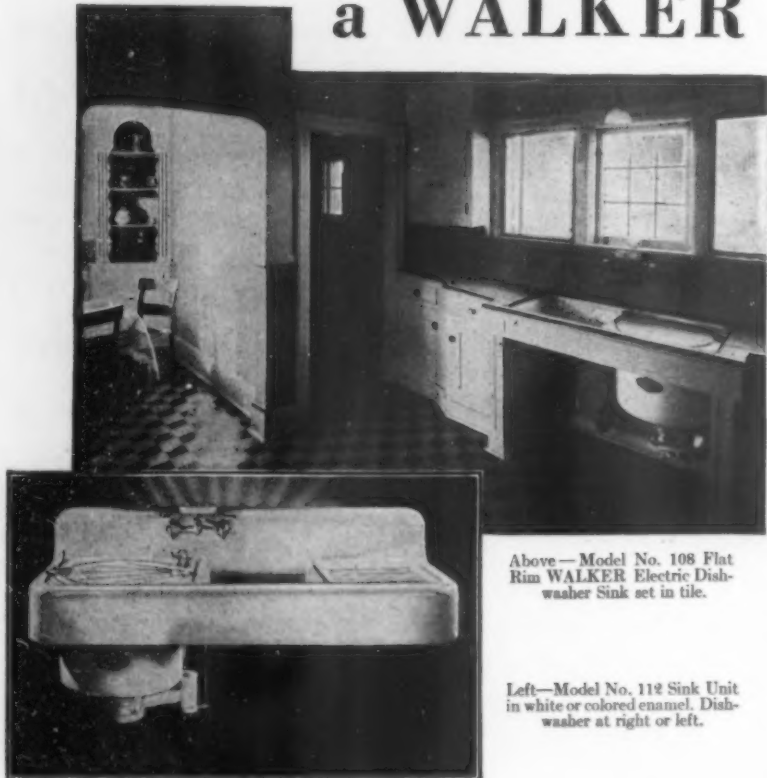


**THE THIN WHITE BATTER** for popovers is beaten to tiny droplets \* Egg-whites for cheese soufflé, fondue, or creamy omelet, are whipped high and light and loose \* Such beating and whipping take a big, clean mixing bowl. Do you know that the Weller Potteries make snow-white mixing bowls, as well as beautiful decorative pottery? The bowls are as white as foaming milk—as smooth as the inside of a fresh egg-shell \* Their clear whiteness is banded in rose, mint green, dark blue, or pale blue. Servings prepared in such bowls should win extra applause, for they are extra pleasant to prepare! Eight sizes of bowls—from the small bowl for storing a little fruit-and-milk pudding in the refrigerator, to the large bowl for all the egg-whites of an angel-food cake \* Jet-black teapots, and teapots in soft blue or green, are some of the other utility pottery made by The Weller Potteries, Zanesville, Ohio.—POTTERS SINCE 1872.



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Left—Model No. 112 Sink Unit in white or colored enamel. Dishwasher at right or left.

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## Furniture of the French provinces

Continued from page 677

buffets, and garde-robes which fit naturally into a French manor house, that is not well-equipped with closets and pantries, are beautiful specimens of furniture and in certain instances are well adapted to our needs, but they are not absolute necessities, as are the chairs and tables.

The French provinces, differing as they do from the sunny Côte d'Azur to the misty Côte du Nord, have produced pieces of furniture that bear a singular resemblance to each other and a singular contrast to the sophisticated Parisian types. In the south is Provence; in the north, Normandy. It is difficult for even an expert to differentiate between the furniture of these two provinces. Certain pieces, of course, do differ. In the north, in Brittany, for instance, the bed goes into the inhabitant of the house, and the bed, feels particularly cold, he puts doors around his bed alcove and manages to shut himself up for the night almost hermetically. In the south, of course, the bed stands out in the room. It is what is known as a lit à l'ange. It does not even have a tester over it, as it does in the middle provinces of France. Again, the northern provinces, Normandy and Brittany, have certain fashions which have influenced furniture designs. Those lovely, voluminous head-dresses of lace that Breton women wear cannot be thrown lightly on a shelf and left there. They need protection and to house them a wardrobe known as a bonnetière is used.

Similarly a particularly popular piece of furniture in Normandy is a grandfather's clock. Every good Norman has a good big clock. They are not like our clocks and they are not called grandfather's clocks. They are roundly curved and the pendulum casing is shaped rather like a violin. It is possible that their outlines have earned them the nickname that is so strangely different from our own—"la demoiselle."

**A**NOTHER piece that is in every provincial house is the armoire. This looks like a wardrobe, but is in reality a cupboard with two big doors. It varies in size from something more than waist high to something that in general size resembles an old-fashioned folding bed. The big doors of these armoires bear the curved moldings that are so typically Louis XV. A similar piece of furniture is the buffet. Like the armoire this varies in kind in different parts of the country. In the Pays de Caux it is single-bodied; in Caen it is double-bodied and has four panelled doors. On the peninsula of Cotentin it is a china cupboard with double doors at the bottom and shelves above. In Auvergne it is a two-storied china cupboard with four double doors and the upper part made narrower; or it is a two-bodied cupboard with doors at the bottom and the top made narrower, with

open shelves. The decoration, in Auvergne, is not so often Louis XV as it is geometrical—as in the lace making industry that flourishes there.

Another piece of furniture which resembles the armoire is the garde-robe, or, in English, wardrobe. This is a very popular piece in Provence. It is high, with double doors, bright steel hinges, and carved or engraved locks.

There are just two other pieces of furniture which are strictly French provincial and which must be mentioned. The first is the kneading trough table. These are now adapted for use in this country as dining room or living room tables. In the provinces they are trough-like structures raised on four or six legs and covered by a hinged top. The other piece is the commode. This is probably the best known of any of the French pieces. It is a chest of drawers mounted on legs and it is usually beautifully ornamented. It has the distinctive Louis XV curves.

**T**HIS has been, perhaps, too much a catalogue of furniture, but if we had been describing English secretaries, or court cupboards, or highboys, we should not have had to more than mention the name to call up a picture of the piece. Furthermore, there is a natural confusion between French sophisticated furniture and the provincial pieces, and it is desirable to show how much the same (and, sometimes, how different) the provincial furniture is in different parts of the country. The most popular wood now is walnut. Nearly all woods have been used—oak, cherry, chestnut, and mahogany.

We have not mentioned the decorative background which, one would think, should come first. But the provinces lack a specific decorative background. The interior walls of the houses were, and are now, usually whitewashed. They were often hung with tapestries, or simulated tapestries, or they were sometimes panelled in wood. In Normandy, to be sure, flock paper was first invented and this material is often used for a wall covering.

For fabrics the most popular material is toile de Jouy, although, of course, the making of needle-point has always been a favorite occupation of the French women. Modern reproductions of French provincial furniture are upholstered in the lighter materials and in the skirting material of the Breton women. Peasant skirts are also used for window draperies.

It is regrettable that the French provincial style was not "discovered" sooner. It has a grace, a natural elegance, and at the same time a "romantic" feeling which insures its popularity. It is something different from our own Colonial, and yet it is not so different as the Mediterranean styles. In other words, it fits our background and at the same time gives us a new foreground.





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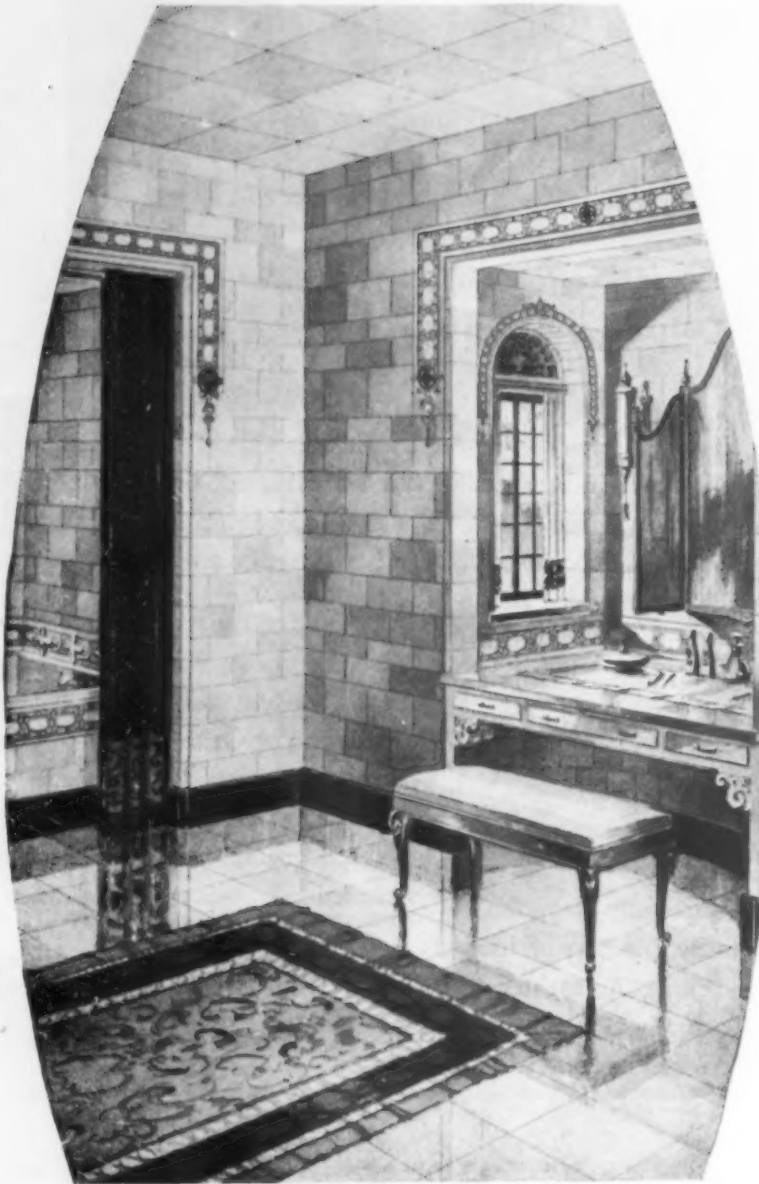
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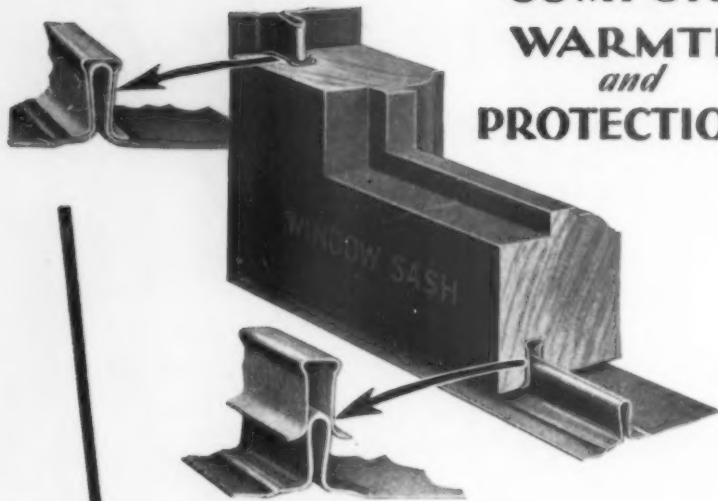
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HEARTHSTONE EDITOR, THE AMERICAN HOME, GARDEN CITY, N. Y.

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(Insert numbers from list)

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Slate..... SEPT.

# Without this HEAT SAVER, your heating equipment must heat all outdoors . . .

TO waste a third of the heat the furnace makes is exactly the same as throwing one shovelful of coal, out of every three, into the ash can—letting one gallon of oil out of three run down the sewer—one cubic foot of gas out of every three escape.

Absurd as it sounds when put that way, that is exactly what happens when heating equipment is incomplete—when it does not include a Balsam-Wool Blanket to *keep the heat in*. One-third or more of the fuel goes to heat the *outdoors* air—only two-thirds produces useful heat.

A Balsam-Wool Blanket stops this loss—makes your heating equipment *complete* and *modern*—and certain to be still modern five or ten years from now.

Balsam-Wool is for old houses as well as new. In an old house a Balsam-Wool Blanket in the attic—quickly and economically installed by any carpenter—will stop most of the heat loss and soon pay for itself in fuel saved.

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Keep clearly in mind that Balsam-Wool is *thick*—a full inch is recommended. It is *flexible*—tucks into every nook and cranny. It is made for the single purpose of *saving heat*—and does it as only a thick *flexible* insulating blanket can.

You should know more about it. Send the coupon for a free sample of Balsam-Wool and free booklet.


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Makers of Balsam-Wool, the Flexible Insulating Blanket. Also Makers of Nu-Wood, the All-Wood Insulating Wall Board and Lath

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# Balsam-Wool Blanket





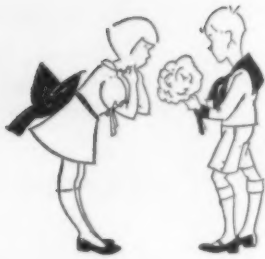
Balsam-Wool is a guaranteed Weyerhaeuser product—a blanket of fluffy wood fibre that looks and acts like sheep's wool. It is TRUE Insulation—keeping the house warm in winter and cool in summer—because it is—

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... kids also  
like flowers



**S**INCE the days of Eve the floral bribe has never failed to win the feminine heart. You chuckle . . . so long as the offering was not surreptitiously plucked from your posy bed.

A Wickwire Spencer Chain Link Fence will protect your garden.

Its durable nature makes painting unnecessary. Vines and ramblers may, therefore, be permanently trained on it. The cost is only a fraction of what you would expect this quality fence to be.

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## WICKWIRE-SPENCER

Chain Link Fence



## Bringing your heating plant up-to-date

Continued from page 682

is fed to the fire by gravity, and one filling of the magazine will last for a day, or longer. Then comes the automatic electric stoker, which feeds buckwheat coal through a worm screw, burns it with a forced draft, and drops the ashes into a conveyor that dumps them into the can. Both of these devices are within the average man's reach in initial cost and expense of operation.

**G**OING a step higher in cost, we come to the oil burner. Fuel oil varies in cost in different parts of the country and it is advisable to compute the comparative costs of coal and oil before deciding which type of furnace to have in your house. Whereas the initial cost of a coal stoker hovers around \$500 that of the oil burner is generally more. The cost of operation may, however, be less for the oil burner.

The gas-burning boiler is one of the most satisfactory types of heating plants. It is practically automatic and very little attention need be given to it. As it is quite simple mechanically, there are few things to get out of adjustment. With the special rates offered by gas companies to those burning this fuel for general heating, the gas boiler is rapidly becoming less a wealthy man's comfort.

Another change in heating equipment, which is generally not understood, has taken place in the radiator. For years we have not quite realized that the ordinary cast-iron radiator sent a lot of heat up over our heads and drew cold drafts across the floor where the children played. Even in a room where the temperature is 70 degrees above the floor, it may be as cold as 65 degrees at the floor and as hot as 74 degrees at the ceiling, nine feet high. The heat that goes up to the ceiling does very little good. The constantly rising currents of hot air carry dust particles over the surface of the radiator, where they are charred and then spread over the wall and ceiling like soot.

Now heating engineers are coming forward with a new type of cast-iron radiator. This presents a surface to the room, something like that of the extended bellows of an accordion. Heat radiates in a straight line towards that part of the room where people live. Thus instead of sending most of the heat up to the ceiling, a great deal of it is kept down where it is needed. The back of these radiators is very much like the old type, and warms the air which passes up through them. By placing them under the windows, the column of hot air rising from them can be made to deflect upward the cold air leaking through the window cracks.

Another new type of radiator has been introduced recently. It is known as the extended surface radiator and, in principle, works like the radiator on an automobile. Around a central pipe are arranged fins of brass or copper, which conduct the heat from the steam filled pipe out over their whole surface. This large surface area permits the heat to escape more quickly to passing air currents. For this reason, these non-ferrous radiators can be made very small by comparison. In fact, they can be built

inside of the thickness of the wall, under the windows and be covered with a metal grille to hide them. As this covering acts like a flue, the cold air coming in at the bottom and the hot air leaving at the top, the movement of the air over the radiator is accelerated. This more rapid circulation of the air of the room over the radiator causes the heat to be more evenly distributed and so more of it is kept down near the floor.

However, most concealed radiators have the disadvantage that they cannot be readily cleaned and therefore tend to spread dust in the air.

**H**OT WATER has always been looked upon as a more healthful method of heating than steam, for two reasons. Dust particles are not scorched, and in mild weather the fires may be banked and a mildly heated water circulated throughout, which takes the chill from, but does not overheat the air. But hot-water systems of heating have the big disadvantage that when sudden drops of temperature outside take place or the house has been chilled by the banking of the fires overnight, they take longer to distribute heat than steam systems.

By adding more pressure to the water in a hot water system, the water can be charged with more heat before it boils away. Trouble comes, however, in trying to seal up the water in safety and yet let it expand as it rises in temperature. It is possible now to buy simple attachments that can be put on any hot water system to seal it and add pressure greater than atmospheric. These will cause the water to absorb heat more rapidly, circulate through the house more quickly, and will increase the efficiency of the system.

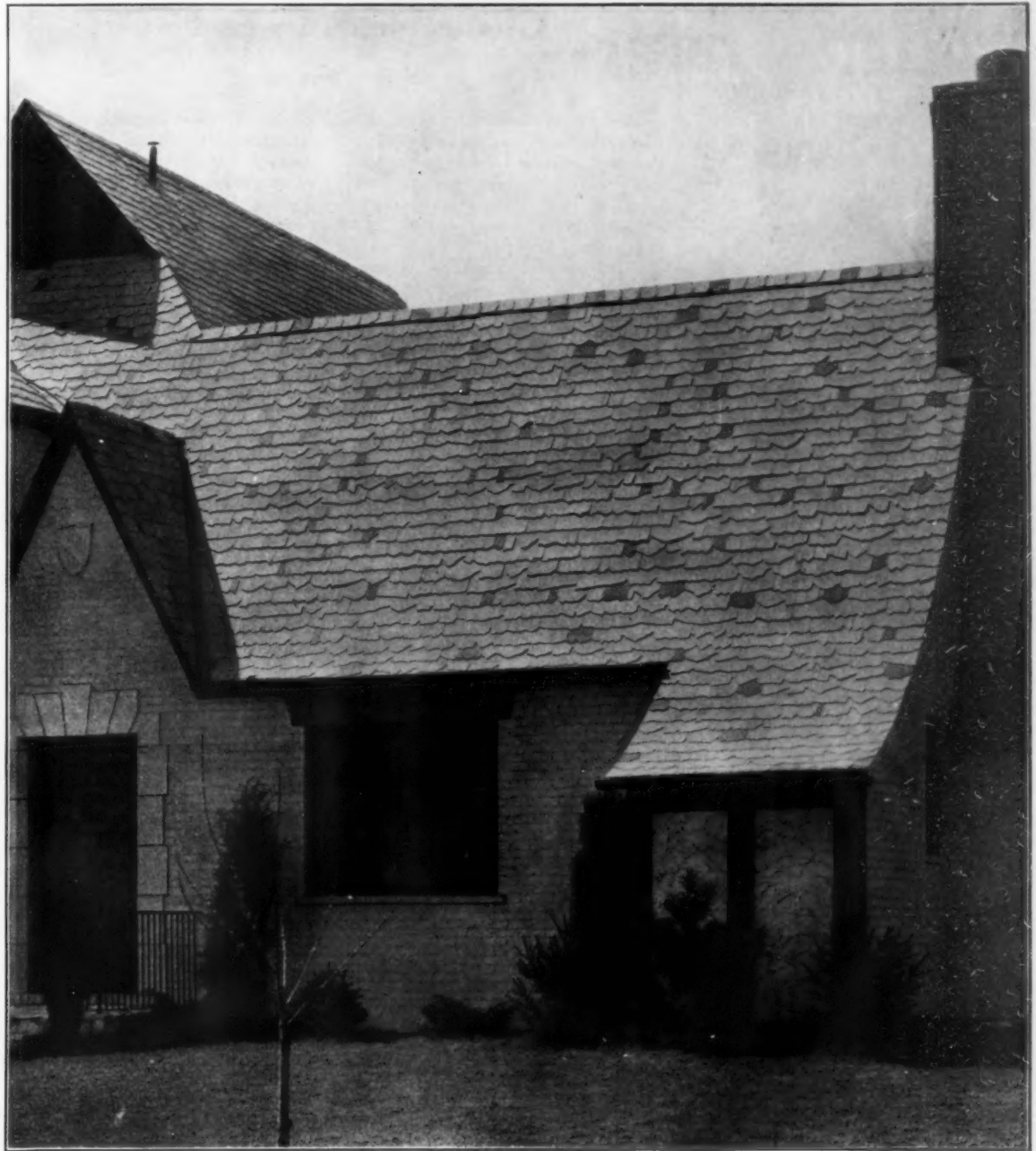
Heating the house by warm air, carried up through sheet metal ducts in the walls and emitted to the rooms through registers, is an old method of heating that has suffered greatly in reputation, because it is almost impossible to make the hot air go into those rooms on the cold side of the house. Then too the odor of burned dust or mold in the flues is very objectionable. However, a motor-driven fan is now on the market, which can be attached to the front of the return line on the furnace and will force the circulation of the air throughout the house. A screen, covered with a specially prepared sticky stuff can be placed in front of the motor to sift out most of the dust particles before they reach the radiator of the furnace. This filter and fan attachment makes warm air heating an ideal system.

The same principle has been employed with concealed radiators. There is now also an electric heater equipped with a fan that blows air over the heating coils down to the floor where warmth is desirable.

If you want a thoroughly modern heating plant, put on a thermostat, buy an electric stoker, oil burner, or gas boiler, install extended surface radiators in the walls, or put under the windows the new radiant type of cast-iron ones. If you have a warm-air system that does not work well put in a fan and filter. If you have a hot water system that does not take the load, put on a pressure valve to seal it.

Note the beauty of the irregular roof lines on the home pictured here; see how this treatment fits in perfectly with the French architecture. Yet this is one of our less expensive types of shingle.

Architect:  
JESSE L. BOWLING,  
St. Louis, Mo.



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232 F. R. A. Building, Oshkosh, Wis.



BEAUTIFUL BIRCH FOR **Beautiful birch** BEAUTIFUL WOODWORK

## Growing shrubs for cut flowers

Continued from page 685

named varieties are Jacques Callot, Mme. F. Morel, and Belle de Nancy. A later flowering Lilac is *Syringa villosa*, with loose panicles of a rosy white suggesting the Privet blossoms in form. They are, indeed, close cousins.

Then we have Deutzias, in many varieties of pink or white. Rose Panicked Deutzia (*D. gracilis rosea*) is dwarf, and Double Rose Deutzia (*D. scabra plena*) is tall, to mention but two. The shrubs are coarse for effect in the garden, but the flowers are lovely for cutting.

The same might be said of the rose Weigela, whose pink trumpets we all know. The Kolkwitzia, or Beauty Bush, is said to somewhat resemble the Weigelas though it is a bit too new to have had its possibilities popularly recognized.

In early summer, the Rose Acacia (*Robinia hispida*) appears with drooping wisteria-like clusters of pink, adaptable to sun or shade. The rose Flowering Honeysuckle has blossoms of a most attractive pink, quickly followed by red berries, which, however, as quickly fall or are eaten by birds.

The pink Althea is a conspicuous shrub in August. This should be selected from the nursery when in bloom, as named varieties differ. It also comes in pure white, violet, or red, single or double.

*Spiraea* Anthony Waterer, though considered plebeian, has big terminal heads of a raspberry pink coming in late summer when flowering shrubs are few.

Another flowering shrub enormously overplanted is the Peegee Hydrangea (*H. paniculata grandiflora*). There is a certain week in late August when its cream-white heads blush a lovely frothy pink, and it is only when they are heavy and faded to an unpleasant green that we weary of it.

Of yellow-flowering shrubs that flower before the leaves, we see the Japanese Witch-hazel sometimes as early as February. The Spicebush, also daintily inconspicuous, we like to picture with Pussy Willows hanging over some dark woodland pool. The Cornelian-cherry (*Cornus mas*) has a somewhat larger flower followed by hanging red fruits.

But of course, the yellow climax of the spring is the Forsythia. Try the improved *F. intermedia spectabilis*, with blossoms more abundant and of a richer color. It may be forced in the house in spring and cut sprays kept in warm water bloom in about ten days.

Another early flowering shrub is the *Lonicera fragrantissima*. As its name would imply, it is more valued for its sweet odor than its beauty. Even more fragrant, and with pretty golden yellow blossoms, is the Flowering Currant (where it is permissible to plant it) coming in May. We also have the golden tassels of the Laburnum; and in early June the smaller yellow flowers of the Siberian Pea (*Caragana arborescens*).

Scotch Broom (*Cytisus scoparius*) with spiky dark green sprays and yellow blossoms, may be cut in May or June. The cream-colored variety is charming. Real Roses we may also

have—the *Rosa hugonis* so effective with the pale violet of Persian Lilacs, quickly followed by the larger and more double flowers of the Harison's Yellow, the spinosissima altaica of creamy white, and the richly colored Persian Yellow. There is now a yellow double *Rugosa* Hybrid named Agnes, very early to bloom. None of these should be cut too drastically.

About this time, the brilliant gold of the Kerria, the double form, is fully as conspicuous as the Forsythia of spring. Its green twigs, by the way, are a real addition to the winter landscape.

In July, the loose graceful panicles of the Goldenrain-tree (*Koelreuteria*) hang for several weeks. Then we see the abundant golden stamens of the Shrubby St. John's-wort (*Hypericum*) which blooms from August on into the fall.

White shrubs are perhaps most charming of all for cutting, and we have countless varieties from which to select. Of those coming before the leaves, the most effective of all is the white form of the Double-flowering Peach, to my mind far more beautiful than the red. A white form of *Daphne mezereum* comes very early. *Spiraea arguta*, like a swirl of drifted snow, and the Starry Magnolia of which we may cut sparingly, sometimes come so early that their whiteness is marred by frost.

Old-fashioned Bridalwreath is good but the somewhat coarser Van Houtte *Spiraea* is perhaps better reserved for landscape effect.

In May come sprays of Dogwood, white or pink, and the later flowering Chinese Dogwood (*C. kousa*). There are Hawthorns white, pink, or deep red; the Silverbell (*Halesia*); the Snowbell (*Styrax*); the Lily-of-the-valley tree (*Oxydendrum*); the glistening white drops of the Pearlbush (*Exochorda*); the fragrant and very hardy White Fringe (*Chionanthus*); and Lilacs, old-fashioned common white, hybrids single and double, or the delicate White Persian.

In June, sweet *Syringa* (Philadelphia) may be cut in abundance, and we may choose between the newer hybrids like the big double Virginal, the daintier Lemoine's hybrids, or the scentless kind like *P. inodorus* or *P. grandiflorus*.

Cranberrybush and Elder, principally spoken of for their fruits, have most attractive white blossoms. Viburnums follow along and the fragrant Swamp Honeysuckle (*Azalea viscosa*).

An unusual native shrub, proved hardy even in New England, is the *Stewartia pentagyna*, a member of the Camellia family, with saucer-shaped flowers bearing a mass of golden stamens appearing in mid-July. This one is on the market, but another native, Fothergilla or Bottlebrush shrub, though very striking in appearance cannot be bought at all! Why?

In August the shrubby Sorbarias take the place of the *Spiraeas* which have now gone by. Pepperbush (*Clethra*) grows rampantly in slightly damp situations and gives an abundance of fragrant flowers for bowls in the house. (Continued on page 756)

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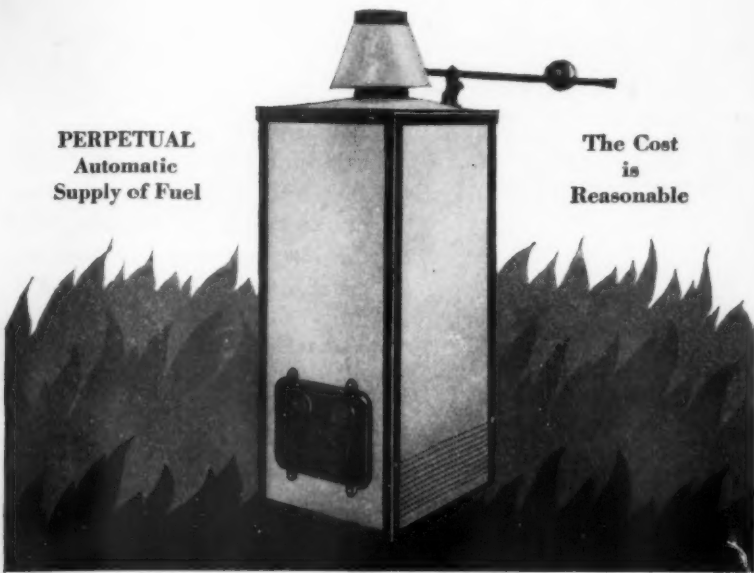
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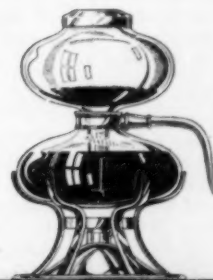
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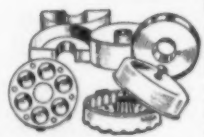
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**Growing shrubs for cut flowers**

Continued from page 752

Various shrubs with blossoms of other colors are the Smoke-bush; Strawberry-shrub (Calycanthus floridus) with pineapple-scented brownish flowers in spring; and Chinese Lilac with big open heads of violet-blue; the Indigobush (Amorpha fruticosa) with feathery foliage and violet-purple flowers; Chaste-tree (Vitex macrophylla), with five-fingered scented grayish leaves and lavender-blue flowers, blooms from the end of July on.

To be treated somewhat as herbaceous plants, as they die back, are Buddleias; Elsholtzia stauntoni with spikes of rose-purple and having long exerted stamens; Clematis davidiana with showy tube-like corollas of hyacinth blue appearing in August; Caryopteris mastacanthus or Blue Spirea; and Lespedeza or Bush Clover, of rosy purple, come in the fall,

combining effectively with Japan Clematis (C. paniculata).

This brings us to the question of fall planting. Not until the leaves have fallen and the wood is fully ripe may we plant deciduous trees and shrubs. Some of them are notably hardy, such as Lilacs, and endure fall planting well. Tender things such as Magnolias and flowering Dogwoods are better left until spring.

The maintenance of shrubs is far less than that of flowers. They will survive more neglect and will increase in beauty with the years, lending an effect of age and permanence which mere flowers cannot give. They are a godsend to the busy gardener, for dollars wasted in plants that perish without care and coddling would, if invested in flowering trees and shrubs, be returning rich dividends of joy, almost before we are aware.

**Two mountain shrubs for the garden**

Continued from page 696

be obtained at any drug store) put at the base of the plant in a circle at least twelve inches away from the stem of the plant. Where the soil is of acid reaction, one half tablespoonful would be quite sufficient. This treatment should be repeated annually to produce better bloom.

Beds for Rhododendrons should be excavated to a depth of about a foot, and the excavation filled with a mixture of three fifths humus and two fifths good topsoil. The plants should be set about one inch lower than they were previously planted. The depth may be determined by observing the earth collar. This allows for settling of the soil. It is essential that they should not be planted too deeply. Then soak with water thoroughly and cover over the bed with a mulch of hardwood leaves, like oak. This mulch should be renewed annually and allowed to remain throughout the year as it keeps the ground cool in summer and warm in winter and serves to protect the Rhododendrons from extremes of temperature.

In extremely exposed and northern (Canadian) locations give special care to Rhododendrons during winter, by filling in with straw almost to the top of the plants and removing it in spring. The straw is not to be packed tightly as there must be ventilation at all times. It may be necessary to build a board fence around the bed or at the border of the shrubbery, but in other localities a basket-weave hurdle fencing could easily be erected with stakes and taken down in the summer. Burlap sacking stretched between stakes is also effective but unsightly.

Mountain Laurel (Kalmia latifolia) grows well as far north as it may be found native in the woods. It attains a height of ten feet and during the latter part of May and early June bears clusters of pinkish-white flowers. It lends itself to woodland planting and makes an attractive undergrowth or it may be massed in the shrubbery with Rhododendrons. It is a very

hardy broad-leaved evergreen that stands shaded locations very well.

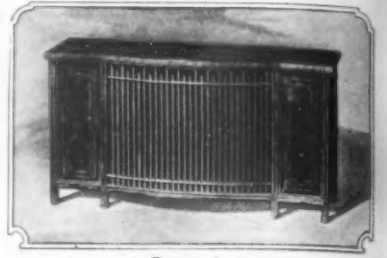
Native Rhododendrons are well adapted for planting for a screen effect, for massing, for a foundation planting, or for a woodland setting. The Catawba Rhododendron and the Hybrids have really showy flowers about the same time as Mountain Laurel (June); the white Rhododendron maximum blooms almost a month later, but should really be valued chiefly for its foliage effect—the flowers are less showy. Rhododendron maximum grows quite tall. Rhododendrons make a pleasant contrast of color when planted near dark-foliaged coniferous evergreens. They do equally well either in partial or full shade, but need moisture and do not relish strong winds.

Rhododendron catawbiense is well suited to woodland planting as far north as the New England states and bears profuse masses of rose-lavender blooms in late spring. This is the fore-runner of many of the hardy "hybrids." There is also a white-flowered variety of this.

The Carolina Rhododendron is a compact dwarf plant never attaining more than eight feet in height. It bears rosy-pink flowers in great profusion. This is the only native Rhododendron which can withstand sunshine and is well suited either for planting as a single specimen, for massing, or as a foreground for a bed of the larger Rhododendrons.

All too often we see Rhododendrons, planted close up to new house foundations, languish and die. The cause of failure may be deduced from what has been said—perhaps lack of moisture at the roots due to drainage by the house foundation; perhaps lack of humus; perhaps lime has been worked into the soil in the building operations by a back fill of mortar and plaster subsoil. Remember the essentials: soil moisture, humus, acid soil reaction, and moderate shelter. Mulch newly set plants, always.

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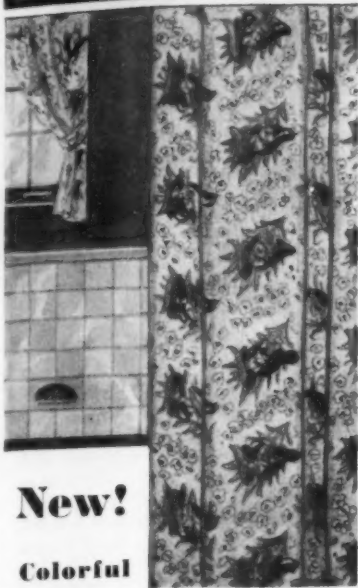
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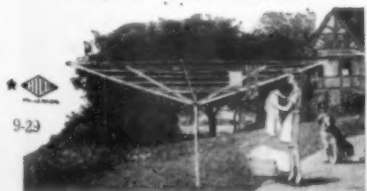
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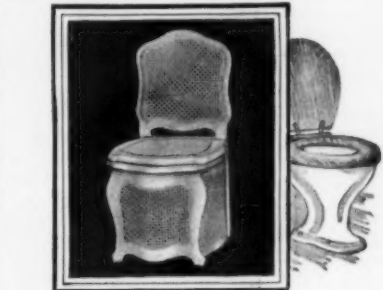
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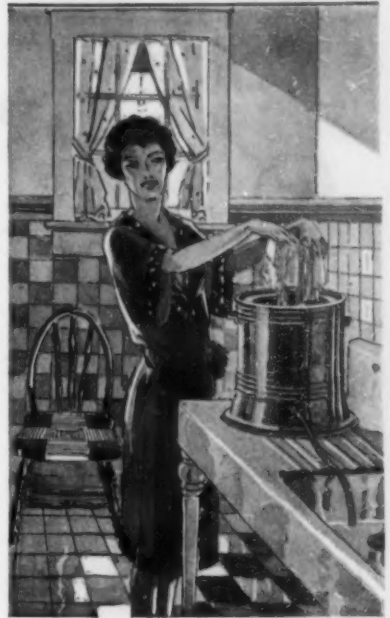
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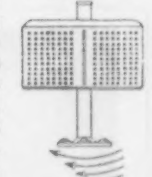
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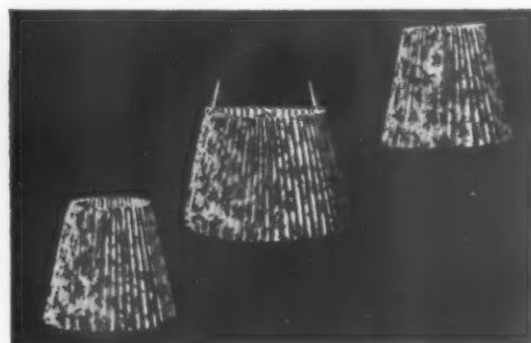


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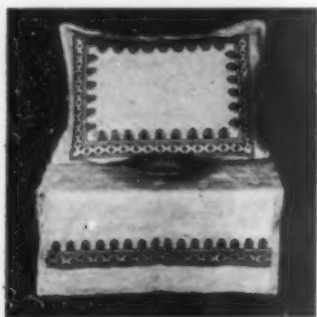
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**FOUR** most unusual Colonial lamps with solid pewter bases. From left to right: 15" ht., base \$15, 8" square shade with signed French etching and 2 crackle panels, \$6. 13" ht., base \$14, 8" shade in yellow crystal tone, \$7. 12" ht., base \$11.50, 8" blue bound shade, \$5.50. 11 1/2" candlestick, base \$8, 6" shade \$2. Expr. coll.

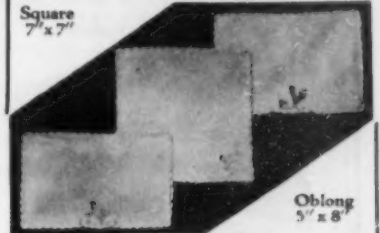
**WHILE** looking over the varied stock of a firm specializing in unpainted furniture I found this well-made nest of tables. The largest table is 14 x 19 1/2 x 24 1/2" high—a very convenient size. The modern hostess has even more use for this group than she might have had some years ago when space was not quite so much at a premium. Unpainted hardwood, \$12; stained and hand-rubbed in mahogany or maple, \$21. Delivery free in Greater New York, express collect elsewhere.



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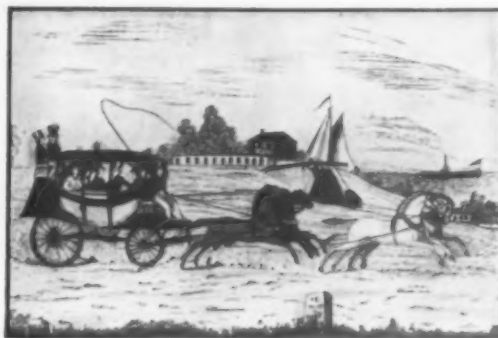
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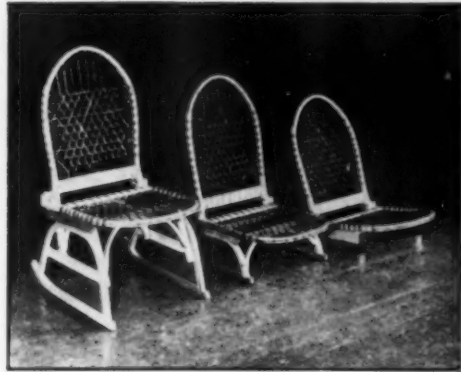
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A Nice Catalogue Of Colonial Things

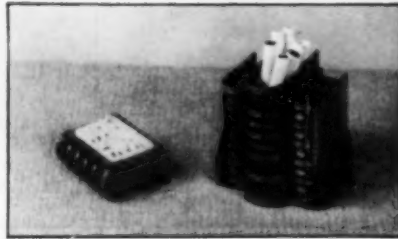
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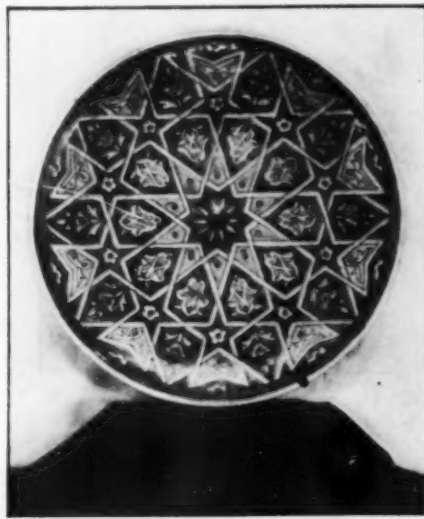


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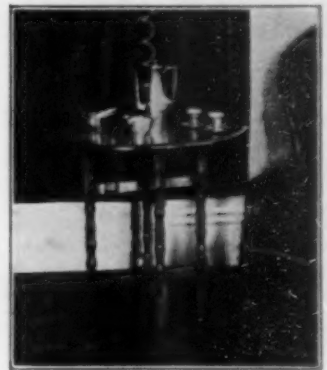
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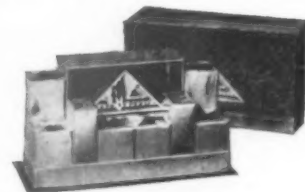


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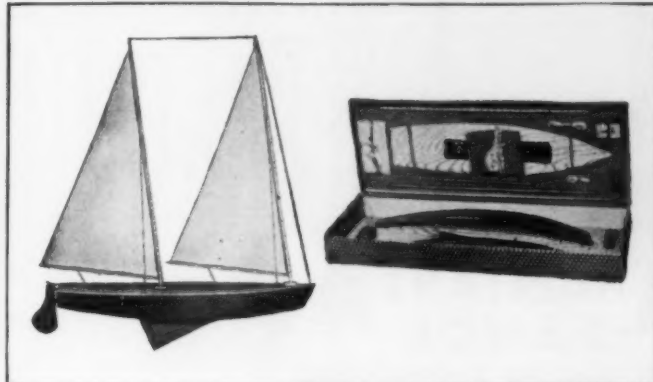
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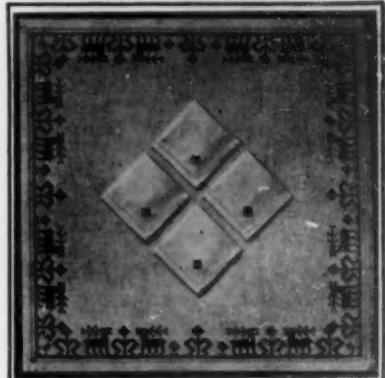
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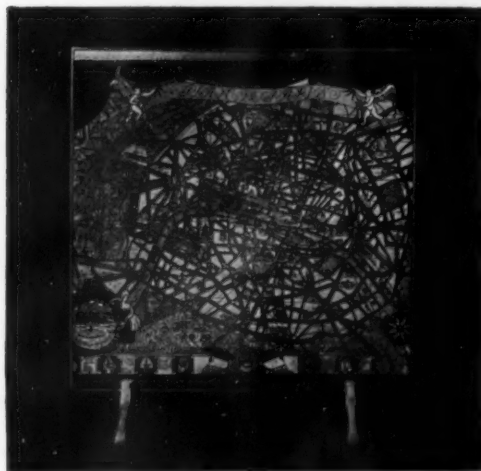
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Fondly anticipate the **TOWERING BRILLIANCE** of a liberal Delphinium display **NEXT SUMMER** by ordering plants and seeds **NOW**. Acres of **HOODACRES-WREXHAM, WREXHAM** strain and **HOODACRES WHITES**. Heavy rooting, sturdy plants, expertly grown and selected for shipping. Our system of packing insures **PERFECT DELIVERY** everywhere. Illustrated catalog.

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# VAN BOURGONDIEBROS.

Box "B", BABYLON, Long Island, New York

# In and About the Garden



[[ *Edward Parson* ]]

WHEN even an experienced gardener makes a radical change in his location, he has a lot of old things to unlearn, to say nothing of the new wrinkles he has to acquire, concerning the behavior and cultivation of plants in a radically different region. Traveling directly East and West the changes may not be so momentous, but let the northern gardener go down into the Lower South and he has to begin all over again. Not only are there different plants to fit the different climates, but very often the old-time favorites, the very backbone of the plantings in the Northern region, refuse to grow, or they behave in an entirely different manner. He is "all at sea." The confusion and unsettlement of time-honored garden precepts have proved a disturbing factor to those who have gone South, into Florida, for instance, in the last few years and have carried northern traditions with them. Their northern knowledge is often a handicap.

The one great difference between the North and the South is that in the North gardening is a very markedly seasonal undertaking with growth suspended for about half the year, whereas in the Lower South gardening is a year-round activity, a twelve-month continuous performance. So the recent publication of a book, a veritable manual, *Gardening in the Lower South*, by H. Harold Hume is an event of real significance.

Mr. Hume is particularly well qualified to present the subject, for he has been actively engaged in horticultural activities in Florida for several years past; first, in a professional educational capacity, and more recently in the direction of a large nursery. He knows his South, and he knows his subject. So this new book (Macmillan Co., New York, price \$5.00) comes with a background of real experience and authority.

Anyone gardening in the Lower South, that is, beginning with the region surrounding Charleston, S. C., southward and westward around the Gulf of Mexico, will find this publication a compendium of both practice and material. These two factors are coordinated, and a good deal could be said here in emphasizing the essential differences between the gardening of the North and of the South. The application of the same principle may result in a reversed practice. In every

page the book emphasizes the impropriety of trying to adapt Northern materials to Southern gardens; thus:

"The cultivation of dry soil and climate, perennial, woody or herbaceous

South is upsetting and detrimental; but it is not so much the soil condition as the climatic difference that has to be studied in developing a typical Southern garden style from the material available.

"On the whole, it is best for the garden maker in the Lower South to be very cautious in the use of lime. The probability is that, covering the wide range of plants in which he is interested and which it is possible to grow, lime may do decidedly more harm than good."

Even the planting seasons are different and we learn that a good many annuals are to be sown in the autumn while others are to be sown in spring. A few are fitted to both times. The change of seasonal activity has to be learned by the Northerner who goes into the new region. The best of all annuals, we are told, and the easiest to establish is Gaillardia, with Phlox and Coreopsis following. Quite a number of the annuals and perennials that adorn the northern garden, especially the "old-fashioned" garden, must be discarded so that the whole scheme of composition and material is changed and must be learned anew in a new environment. A good many of the perennials in the old-fashioned Northern border are annuals in the South. The English Daisy and the Garden Larkspur are conspicuous examples. Mr. Hume has covered the subject thoroughly and given the South an entirely new and comprehensive manual as well as a text book of gardening.

Some stress is put on extending the Northern plants into the Southern belt. It is desirable to get stock from the Southern extreme of the natural region and of course vice versa, which corroborates the experience we have had in trying to grow in the North some of the specially selected varieties of native American Holly originating in the Lower South. Not one of them has survived more than a couple of years.

No one can doubt that there is a new era of gardening opening in the Lower South, because the very plants themselves have yet to be brought into acquaintance. "No region in the United States is richer in its varied herbaceous plants than the Lower South. Practically throughout the year there is a succession of bloom. Many of the native annual and perennial plants are (continued on page 780)



The patio garden of Mrs. Arthur Clafin at Palm Beach, designed by Addison Mizner, has an atmosphere quite different from the accepted manner of the North. (Photograph by F. E. Giesler, N. Y.)

plants, such as the Brooms, Arizona Cypress, Tamarix, Bearded Iris, and the Sages . . . usually ends in failure."

The complications of climate, temperature, rainfall, that bring about the difference are discussed in a very elucidating manner, so much so that there are many lessons on the fundamentals of plant growth as adapted to garden conditions that make the book well worth studying for even the Northern gardener. I don't know of another book of this kind that so completely presents the fundamental backgrounds of plant behavior from the garden viewpoint as to why different types of plants fit different conditions.

The soil of this entire Lower South region is definitely acid, which of itself is a limiting factor. Generally speaking, the use of lime on the soils of the whole



## Rock Garden and Old-Fashioned Hardy Plants

More than a thousand varieties of old-fashioned hardy plants are produced in our great fields of perennials, and in quantities for plantings of any magnitude. This great collection includes plants for old-fashioned gardens, for rock gardens, for woodland plantings, for ground covers, banks, dry soils and moist places.

### *Peonies for Beginners*

Gorgeous blooms in late May and June, with clean foliage to late autumn, place Peonies among the best perennials. These favorite plants are listed among our many specialties. In our fields will be found 170 varieties, ranging from the familiar red May-flowering Peony to the later introductions of dainty colors and fragrance. All are described and priced in our catalogue of "*Hardy Herbaceous Plants*."

"*Hardy Herbaceous Plants*," our general catalogue of perennials, rock garden plants, woodland plants, will be sent to those who intend to plant perennials. The book contains complete descriptions and prices, together with a tabulation indicating the flowering period, the height, and the color.

### *Iris for Beginners*

Nearly 150 varieties of German Iris and more than two-score varieties of Japanese Iris, with a goodly collection of Iris species, are now available to those who desire to plant Iris. In our collection there are many of the finest introductions of American and foreign hybridizers. All of these are described and priced in our catalogue of "*Hardy Herbaceous Plants*."

### *Evergreens for Late Summer and Early Autumn Planting*

We can supply Evergreens for every place and purpose, and in quantities to meet the needs of the small garden, the private estate or the public park. All are presented in our catalogue, "*Evergreens, Azaleas and Rhododendrons*." A copy will be mailed on request to those who intend to plant evergreens.

**Our Specialties.** Japanese Maples, Weeping Flowering Cherries, Magnolias, Azaleas, Lilacs, red and white Dogwood, grafted Blue Spruce in Koster and Moerheimi varieties.

In your request it is important to state definitely what you intend to plant. We issue several catalogues. We are in a position to fill orders of any magnitude.

**BOBBINK & ATKINS**

**Rutherford, N. J.**



# Garden Reminders



In gardening a date can only be approximated. Generally the latitude of forty degrees at sea level and a normal season is taken as standard. Roughly, the season advances or recedes fifteen miles a day, thus Albany would be about ten days later than New York (which is latitude 42).

The latitude of Philadelphia is a week earlier. Also allow four days for each degree of latitude, for each five degrees of longitude, and for each 400 feet of altitude. Latitude 40 approximates a line through Philadelphia, Pa.; Columbus, Ohio; Richmond, Ind.; Quincy, Ill.; Denver, Colo.

## NORTH

*The Flower Garden.* This is the best month to plant Peonies. If you haven't ordered bulbs for fall planting, next month may be too late. Prepare the beds for the bulbs. Plant Madonna Lilies. Sow Sweet-peas for next summer. Move perennials which have finished flowering, so that they will be ready for next year. Let some annuals go to seed, so that you may be able to propagate your favorites. Take root cuttings of Anemone japonica. It will soon be time to give protection to annuals from early frost; get material ready. Gather material for mulching. Most perennials may now be divided, especially Phlox and Peonies. Take cuttings of Rockcress, Pinks, etc., and place in coldframe. Pansies, Forget-me-nots, and Bellis sown in August may now be transplanted. Continue to spray Chrysanthemums and apply liquid manure to them. Stake them.

*The Vegetable Garden.* Sow early Cauliflower, to be transplanted into frames when weather becomes cold. Red Top and White Flat Dutch Turnips may still be planted early this month. Earth up Celery. Tie up Endive for blanching. Sow Lettuce for transplanting to frames. Sow Cabbage for transplanting. If frost threatens, pick tomatoes, whether ripe or green.

Gather onions as tops ripen. Dry them and put them away for use through the winter. Dig hills up when Potatoes die down. At first sign of frost pull up Tomato vines by roots and hang in cellar. Larger ones will ripen. Harvest melons, pumpkins, squashes and put them where frost cannot affect them. Cover tender vegetables to protect them from heavy frost.

*Miscellaneous.* Pick apples as they ripen. Save leaves, dead branches, etc., for compost pile. Cut out old canes of berries. Pick pears while firm, not letting them ripen on the tree. Cut lawns before frost sets in. Water evergreens well. Lawns may still be sown. Give hedges their last clipping. Transplant shrubs.

## SOUTH

*The Flower Garden.* In the far south this is the month to start the garden. Spray the whole garden with lime-sulphur. Clean up. Plant more Freesia bulbs. Set out Peonies. Still time to repot Oxalis, Cyclamen, and Little Gem Calla. Change location of perennials that didn't do well the past season. Give the Poppy bed bonemeal and put some well-rotted leaves over the plants. Plant hardy annuals and perennials. Set out seeds of Nasturtium and winter blooming Sweet-peas for color on the Christmas table.

Stocks and Snapdragon should be cut back now. Plant Iris, Oxalis, and Hemerocallis.

Have your Tulip and Hyacinth bulbs arrived yet? It soon will be time to plant them.

Chrysanthemum time will be here in its full glory soon. Pick off foliage at the bottom of the stems. Keep one head to a stalk, and water daily. Spray with soap suds.

For perfect blossoms on Chrysanthemums, cover with cheese cloth the last of the month to protect flowers from dust and rain.

*The Vegetable Garden.* Sow vegetables to be used for salads.

Keep ground between rows friable. Sow Onions.

Still time to sow Beans and English Peas.

*Miscellaneous.* Frequent weeding will be necessary. Get rid of winter weeds.

Get Strawberry bed ready for planting next month. Pile up leaves and branches for the compost heap. Get the garden in good condition.

## THE WEST COAST

Plant Crocus bulbs in beds. Plant spring bulbs now. You will want some Freesias, Snowdrops, Watsonias, Jonquils, Daffodils, Chinese Lilies, and Callas. Take cuttings of Japanese Privet, Camellia, Barberry, Rhododendron, Myrtle, Veronica, and Cotoneaster. Plant Iris (Dutch, Spanish, and English varieties). Irrigate Chrysanthemum beds and apply fertilizer. Prune Roses lightly. Put Cyclamen in semi-shade. Seedlings may be transplanted (those sown in August) to larger boxes as soon as sufficiently advanced. Sow Sweet-peas for spring blossom.

## PREPARE FOR FALL PLANTING

NO GARDENER in the northern states has ever passed a bed of Peonies in full bloom without vowing that "next year I'll have some just as handsome."

Now is the time to start to fulfill that wish and carry out that resolution. There is no better time than September to plant Peonies in the north.

The Peony is a vigorous grower and so prolific that it is criminal to stunt its growth—and that is exactly what many persons do. It is not much more difficult to plant this flower correctly than it is to do it erroneously, yet many gardeners do not take the time to learn its requirements.

The soil must be rich enough to supply the plant with adequate food and moisture. If the soil is not naturally endowed with phosphorus and potash, these elements must be supplied in the form of fertilizer. The bed must be deeply plowed or trenched. Peony roots should come from good stock.

Briefly, the requirements are: good stock; deep, moist loam; plenty of water; applications of bonemeal and top dressing of manure; planting about two or three inches below the surface; plenty of sunshine; protection from frost; frequent spraying with bordeaux.

With strict attention to these principles, your Peonies should blossom well. During the growing season the plants should bear several blossoms. If they do not, there is something wrong. They will not bloom freely, however, until established in the soil at least two years.

# PRIZE WINNERS

The "Prizewinner Collection" of HARDY GARDEN IRISES, is all that its name implies, a real collection of Prizewinning Beauties, that will carry off the prizes wherever they are shown. It is a collection that you will be proud to show your friends; they will tell you they never knew there were so many different kinds of Irises, in so many different forms, with such a wide range of colors, tints and blends, and such exquisite fragrance. Each variety in this collection is entirely different from every other variety; each is the finest of its type and all are of recent introduction.

A few years ago this collection would have cost you about a hundred and fifty dollars; now it is yours for a very modest cost. I have selected this "Prizewinner Collection" after twenty-five years' study of the Iris as a "Hobby," during which time I have tested nearly three thousand varieties. I have not only taken into consideration diversity of color, form, height, blooming season, texture and fragrance, but have included only those varieties that have proven as rugged as an oak, and prodigious bloomers.

The figures given after the name of a variety are the new ratings recently given by the American Iris Society:

The first figure is the "Exhibition" rating and the second figure is the "Garden" rating. 90 is officially classed as "very fine"; 85 fine; 80 very good; 70 good; 60 good but not outstanding, etc. The names and dates in parentheses are the name of the introducer and the date of origin; the height is the height of the flowering stalk.



Iris Opera

**AMBASSADEUR 92-91 (Vilmorin 1920) 42"**. This exceedingly rich and handsome variety, in a recent vote of the American Iris Society, proved to be overwhelmingly THE MOST POPULAR IRIS IN THE WORLD.  
\$1.00 each; 3 for \$2.50; 6 for \$4.00

**SUSAN BLISS 85-86 (Bliss 1922) 40"**. Five years ago you could not have bought a single plant of this exceedingly choice variety for less than double the price of this entire collection. Its introduction created quite a sensation. The color is an exquisite orchid-pink tone and it is a large flower of perfect form.  
\$2.00 each; 3 for \$5.00; 6 for \$9.00

**LORD OF JUNE 88-78 (Yeld 1911) 40"**. A GIGANTIC blue toned Iris with a delightful "fruity" fragrance. Chosen from among 250 blue toned Irises in my collection.  
75c. each; 3 for \$1.50; 6 for \$2.50

**LENT A. WILLIAMSON 88-88 (Williamson 1918) 42"**. In 1922 the American Iris Society voted this THE WORLD'S FINEST IRIS. It is a gorgeous flower of large size and perfect form, with standards of soft Campanula Violet and falls of the richest velvety pansy violet.  
50c. each; 3 for \$1.25; 6 for \$2.00

**MME. CHOBOUT 81-80 (Denis 1916) 36"**. A most unusual Iris, with groundwork of soft pleasing yellow; the silky ruffled standards are flushed rosy bronze, while the falls are edged with a "stitching" of Prussian Red.  
75c. each; 3 for \$1.50; 6 for \$2.50

**OPERA 82-83 (Vilmorin 1916) 24"**. See cut.  
75c. each; 3 for \$1.75; 6 for \$3.00

**DREAM 84-84 (Sturtevant 1918) 34"**. A "dream" of a soft, clear, uniform pink toned variety, that everybody is in love with.  
75c. each; 3 for \$1.50; 6 for \$2.50

**SHEKINAH 84-84 (Sturtevant 1918) 36"**. A handsome clear soft yellow with a little deeper color at the throat and a handsome golden beard.  
75c. each; 3 for \$1.50; 6 for \$2.50

**WHITE KNIGHT 79-80 (Saunders 1916) 24"**. Beautiful pure snow white flowers of waxy texture with delicate throat markings. Sweetly scented.  
50c. each; 3 for \$1.25; 6 for \$2.00

**MOTHER OF PEARL 84-84 (Sturtevant 1921) 44"**. A large, perfectly shaped flower of exceptional substance and iridescent mother-of-pearl coloring. White throat overlaid with gold.  
50c. each; 3 for \$1.00; 6 for \$1.75

**AFTERGLOW 82-82 (Sturtevant 1918) 36"**. An exquisite blending of smoky lavender, soft buff, pearl gray and light yellow, with a deepening of yellow towards the throat.  
50c. each; 3 for \$1.00; 6 for \$1.75

**PROSPER LAUGIER 86-84 (Verdier 1914) 36"**. The finest of the bronze toned varieties. Standards iridescent fiery bronze; falls rich ruby red.  
50c. each; 3 for \$1.00; 6 for \$1.75

**MARSH MARIGOLD 82-81 (Bliss 1919) 30"**. Standards rich buttercup yellow; falls velvety brownish red with a bright yellow margin around the edge matching the color of the standards.  
\$1.00 each; 3 for \$2.00; 6 for \$3.50

**SEMINOLE 83-83 (Farr 1920) 30"**. An exceedingly rich velvety crimson bi-color, that is even more brilliant than Opera and entirely different in form and tone. The originator's Masterpiece.  
75c. each; 3 for \$1.50; 6 for \$2.50

**MME. GAUDICHAU 91-88 (Millet 1914) 40"**. The largest, darkest, richest and by far the finest dark purple. Exquisitely fragrant. Quite scarce.  
\$1.50 each; 3 for \$3.50; 6 for \$6.00

**GOLD IMPERIAL 86-87 (Sturtevant 1924) 33"**. The richest and finest deep yellow, being a deep rich, smooth, chrome yellow of finest form and texture, with a brilliant orange beard to match.  
\$2.50 each; 3 for \$6.00; 6 for \$10.00

**QUEEN CATERINA 88-88 (Sturtevant 1918) 36"**. A fascinating flower of soft lavender-violet color and exquisitely fragrant. A large flower of perfect form.  
75c. each; 3 for \$1.75; 6 for \$3.00

**CRUSADER 85-85 (Foster 1913) 42"**. The most striking brilliant blue toned Iris, set off with an attractive orange beard. The best deep blue.  
75c. each; 3 for \$1.50; 6 for \$2.50

I WILL FURNISH ONE OF EACH OF THESE 18 "PRIZEWINNERS" FOR \$12.50  
THREE EACH, OR A TOTAL OF 54 PLANTS FOR \$30.  
SIX EACH, 108 PLANTS, ENOUGH FOR A NICE CLUMP OF EACH, \$50

## RAINBOW COLLECTION

I grow only the very finest varieties of Irises

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. Some of them are quite fragrant. Last year many \$1.00, \$1.50 and \$2.00 varieties went into this collection. For those who would like a garden full of fine flowers IN ALL THE COLORS ON THE RAINBOW, but do not wish the extra care of keeping them separate, this is a real opportunity and a great bargain.

40 Choice Varieties, without labels for \$5.00  
100 Choice Varieties without labels for \$10.00

## SIBERIAN IRIS

Many eminent authorities consider these the finest of all Irises. They are rugged and hardy, easy to grow in any soil or location, in full sun or semi-shade. They are among the finest of all Irises for cutting.

10 Emperor (the finest deep blue)  
10 Snow Queen (The finest white)  
10 of another choice variety, my selection  
Total 30 Plants. All Properly Labeled For \$6.  
100 Plants in 10 Varieties, labeled, my selection, \$18.00

## Dwarf Iris Collection

These Miniature Jewels are especially adaptable to the rock garden, or for planting in the border in front of the taller varieties. They bloom in the early spring, just after the crocus have finished flowering; and come at a time when flowers in the garden are so much prized. Only choice varieties will go into this collection.

25 Plants in 5 Choice Varieties, my selection all labeled, \$6.00

## 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, in a wonderful array.

I will furnish 25 Assorted Plants, without labels for \$6.00.  
100 Assorted Plants, my selection, without labels, \$20.00

## Early Iris Garden Collection

The varieties I will furnish in this collection bloom from two to three weeks ahead of the regular Iris season. You'll get a great thrill out of AN EARLY IRIS GARDEN. This collection will include only choice varieties, in a good range of colors; varieties that are exceedingly free flowering, hardy and easy to grow. You'll be surprised at the great beauty of AN EARLY IRIS GARDEN.

25 Plants in 5 Choice Varieties, all labeled, my selection, \$6.00

**ROBERT WAYMAN Box A Bayside, Long Island, N. Y.**



# Tulips & Springtime!

To enjoy them together in your own garden next season

## Plant Schling's Bulbs This Fall

DARWINS and Cottage, single and double, early and late,—their lovely cups brimming with color and nodding a merry "good morning" to you every day for weeks—from early April to June in fact—How can you afford to miss them!

To bring the joys of Tulip time to as many as possible we make the following very special offers, all bulbs guaranteed top size and very first quality.

### Schling's Special Border Collection Of gorgeous Darwin and Cottage Tulips

(as pictured above in order from right to left)

	Per 100	Per 1000
Clara Butt—Exquisite salmon-pink Darwin.....	\$5.50	\$50.00
Picotee—White Cottage, petals edged with pink.....	5.50	50.00
Pride of Haarlem—Darwin, American Beauty color.....	6.00	55.00
Dream—Charming lavender, Darwin.....	6.00	55.00
Bronze Queen—Buff, tinged with golden bronze.....	6.00	55.00
Zulu—Enormous size Darwin of deep velvety purple.....	6.50	60.00
Golden Beauty—Glorious golden yellow Cottage.....	6.00	55.00

VERY SPECIAL.

100 BULBS EACH OF 7 VARIETIES ABOVE (700 IN ALL).....\$38.00

### VIRGINIA GROWN DAFFODILS and NARCISSI

FOR NATURALIZING and LAWN PLANTING

100 Bulbs	Our Old Dominion Collection in choicest mixture of airy and medium Trumpets, short cupped and lovely Poet's varieties. All first quality bulbs grown in Virginia where their culture has flourished since Colonial days. These bulbs, being native, are fully acclimatized and none better can be grown anywhere. The supply will not equal the demand. Order at once!	1000 Bulbs	\$80.00
\$8.50			

### Eight Splendid "Get-Acquainted" Offers

Each a wonderful value—at present prices

100 Single Early Tulips in 10 named varieties.....	\$7.00
100 Double Early Tulips in 10 named varieties.....	8.00
100 Darwin Tulips in 10 named varieties.....	6.00
100 Cottage Tulips in 10 named varieties.....	6.00
100 Breeder or Art Tulips in 5 rare named varieties. Wonderful shades of bronze, buff, orange and apricot.....	8.00
100 Purrot or Orchid Tulips in 4 named varieties.....	7.00
100 Bedding Hyacinths in 4 colors.....	15.00
100 Crocus in 5 named varieties, 1st size bulbs.....	5.00

5% Discount—if cash accompanies order

### EXTRAORDINARY OFFER 100 DARWIN TULIPS \$4.00

Choicest, first-size bulbs, sure to bloom. Schling's Special Mixture made up especially for us from ten of the finest named varieties—not at all the ordinary field-grown mixture usually sold.

A \$6.00 Value for only \$4.00

### HERALDS OF SPRING!

200 of these lovely Spring Beauties—  
25 each of the following 8 named varieties for only \$6.00

Snowdrops—Glory of the Snow (blue)—Heavenly Blue Grape Hyacinths—Blue Squills (Scilla Sibirica)—Blue Bells (Scilla Campanulata)—White Blue Bells—Wood Hyacinths (Scilla Nutans)—Winter Aconites.

Send for our Fall Bulb List—many other enticing values offered and described

# Schling's Bulbs

MAX SCHLING SEEDSMEN, INC.

Madison Ave. at 58th St., New York

## Hidden qualities of a good garden

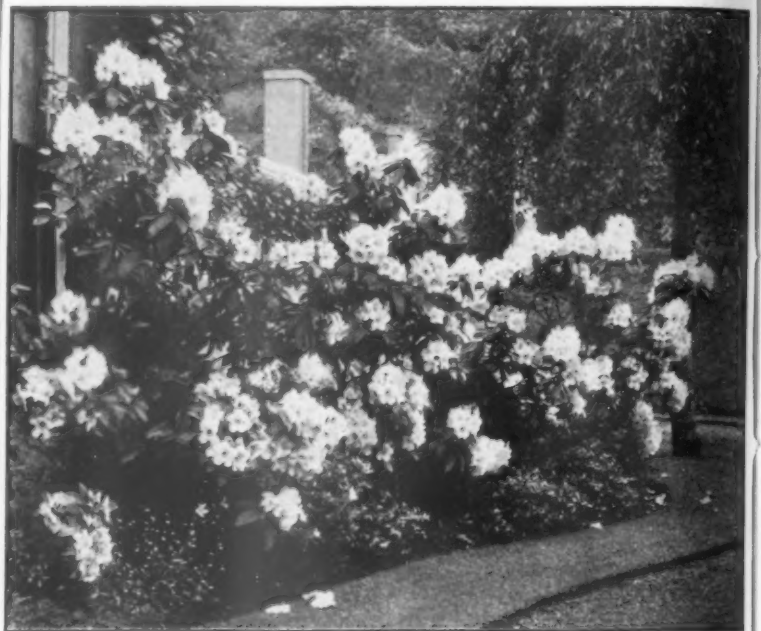
Continued from page 686

with the rest of the planting. The best place for large shrubs and trees is as a background for the borders, as a screen for objectional views, or to lend privacy to the garden.

Careful planning of the shrubbery screen or background will consider the desirable height, depending on whether it is to be pruned into a formal effect or allowed to grow naturally with just sufficient trimming to keep it within bounds. Except for formal pruned hedges, it is generally more desirable to select flowering shrubs, since they not only fulfill their function as background or screen, but add greatly to the colors in the garden with their bloom. Here, again, careful planning will count. There are shrubs that bloom at various seasons and

or two feet. For the lawn there should be several inches of good topsoil or it will have a serious struggle.

Even with good soil, careful preparation will pay. When you have located the borders and shrub planting upon the place, dig the soil to a depth of eighteen inches and thoroughly pulverize. If a supply of well-rotted barnyard manure is available, it may be added liberally to the lower half of the eighteen inches. No manure should come in contact with roots at planting time. Place it down deep, where the roots may go after it. In lieu of manure, add compost, leaf mold, pulverized peat moss, or commercial humus. Heavy clay soils or light sand will both benefit by the addition of humus.



Rhododendrons insist on a soil free from lime. Pink Pearl, one of the most beautiful, but among the less hardy kinds, in Mr. Peter Kerr's garden at Portland, Ore.

with blossoms in many colors. Fall coloring and winter berry effects must be considered, too.

In making the garden plan, do not overdo it. Each part of the garden must harmonize with every other part. You may desire a wall garden or a rock garden, but unless they may be included to complete the picture as a whole, they had better be left out. The same thing applies to a water garden. Planning to include these things in the average level city lot is not easy.

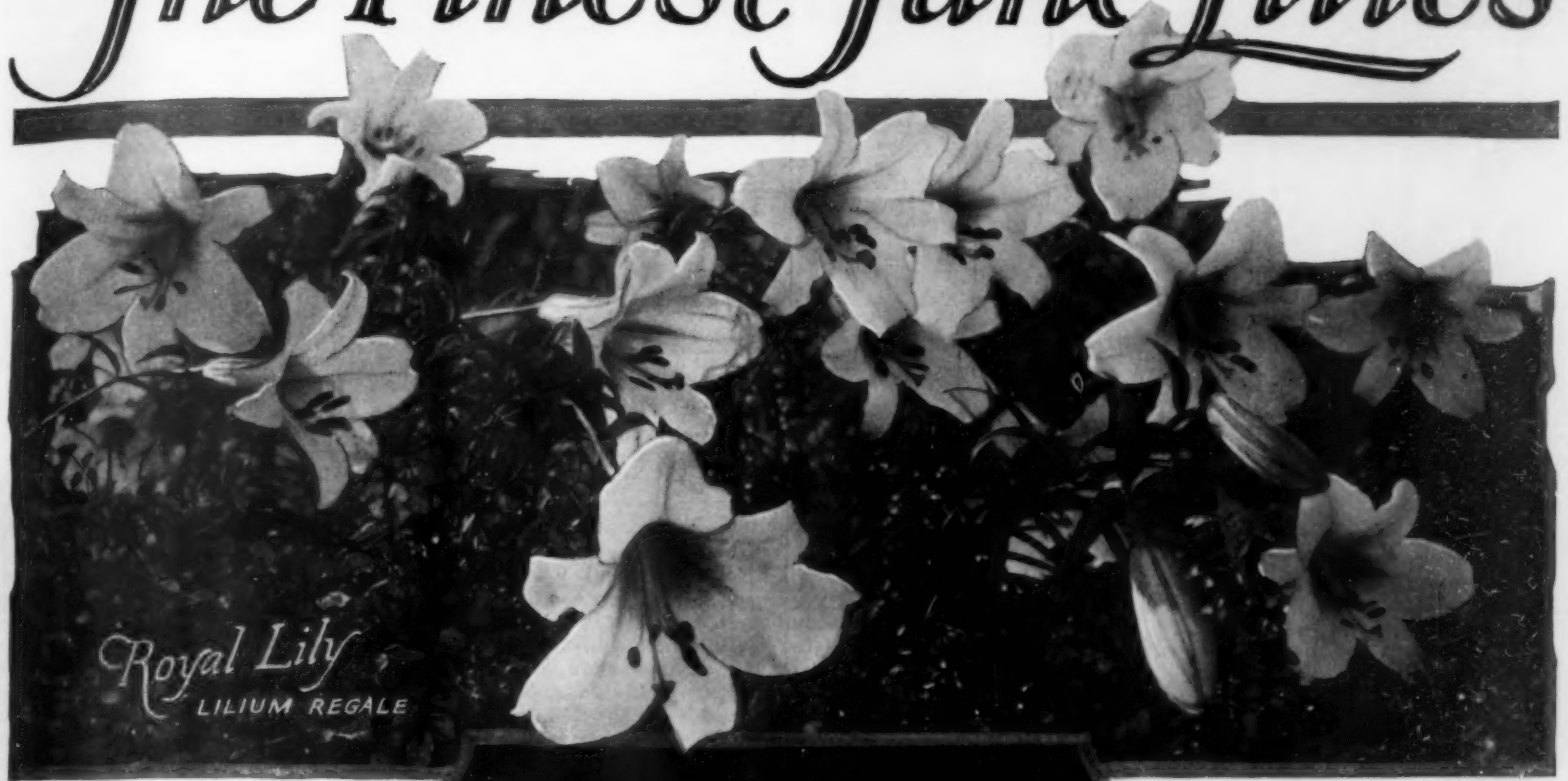
An important hidden quality in a successful garden is the preparation of the soil before planting. You do not see this part in the completed picture, but if the plants are to grow right and develop through the years, this must not be neglected. You will have great difficulty in getting a worthwhile garden in the soil excavated for the basement. By adding humus in the form of well-rotted manures, leaf mold, or similar fertilizers, you may build up this soil; but much better results will be obtained by discarding it and hauling in good garden loam.

The soil where a hardy border or shrubbery is to be planted should be good to a depth of eighteen inches

In a sheltered location (preferably with northern exposure) you may plan to use some Rhododendrons. Here you must make special soil preparation. They will not tolerate lime nor an alkaline soil. It must be acid. If yours is a limestone section, you may be able to grow them by digging large holes, twice the size and depth that would ordinarily be needed for the plant, and filling with soil rich with humus to which has been added one-third by bulk of pulverized peat moss. Then the entire bed should be mulched with leaves to a depth of six inches and each year the mulch added to as it rots down. But the chances are that ultimately the persistent alkaline soil will overcome the acidity. This happened at Highland Park, Rochester, N. Y., where in a limestone region splendid Rhododendrons were grown for many years in specially prepared soil.

It is just as important to know what to leave out of the garden as what to put in. The planning and building of a garden requires discrimination. There is a vast difference in the qualities of various flowers. Take the family of Rudbeckia for example Golden Glow, one of the coarsest flowers, (continued on page 780)

# The Finest June Lilies



Royal Lily  
LILIUM REGALE

**MADONNA LILIES** (*Lilium Candidum*) and Royal Lilies (*Lilium Regale*) are the loveliest of all the Lilies. They flower from mid-June to early July, at the time when gardens are sweetest and best and can be had in abundance by all who have a garden.

Our bulbs are strong and well cured, ready for planting after October 1st, so that they can make strong root growth for next June's glorious flowers.

Both the Madonna and Royal Lily should be planted in quantity in every garden. They are suited to any position in the garden. Planted 8 inches apart in clumps of 5 to 25 bulbs each, they contrast well with the tall pyramidal blue spikes of Delphinium.

Few, if any, of the hardy garden Lilies excel the Madonna Lily or Royal Lily in ease of culture or delightful fragrance.

## American Grown Bulbs

### Royal Lily

(*Lilium Regale*)

Beautiful waxen trumpets of pure white inside, flushed with golden yellow in the throat, and stained pink and tan outside. The stalks are two to five feet high and bear from one to twelve or more magnificent blooms at once at the top. They are strong as steel, but bend in a friendly way as if to greet the passerby and offer their blossoms for admiration. They require no special soil, and look splendid planted upon banks and along the top of walls, in clumps of 5 to 25 in the herbaceous border, or along paths, or in front of Evergreens. Bulbs should be planted so that they are covered about 5 inches from the top of the bulb; a handful of sharp builder's sand immediately beneath the bulbs helps provide better drainage.

#### SELECTED BULBS

	Dozen	100
4 to 5 inches in circumference..	\$3.50	\$25.00
5 to 6 inches in circumference..	4.00	30.00



Madonna Lily  
LILIUM CANDIDUM

## English Grown Bulbs

### Madonna Lily

(*Lilium Candidum*)

The oldest and most popular of all the Lilies, it has been beloved since men first began to make gardens. It grows erect, with snowy flowers in a spike near the tip of the stalk, and holds itself in chaste and simple loveliness above all other flowers. When established it endures for years, growing finer and increasing with age, becoming a family heirloom of imperishable beauty.

The bulbs we offer are grown for us by a specialist in England, land of gardens, and are ripe and strong, ready to spring into growth as soon as they are planted. We do not offer Bulbs of Madonna Lily grown in the South of France as these are not suitable for Garden planting.

Owing to our having large quantities of these bulbs, grown on contract for us, we can offer them at Popular Prices, to encourage larger plantings of this wonderful Lily. Bulbs when planted should be set slightly on their side, covered with 2 inches of soil; a handful of sharp builder's sand placed beneath the bulbs helps provide better drainage.

#### SELECTED BULBS

	Dozen	100
7 to 8 inches in circumference..	\$2.50	\$20.00
8 to 9 inches in circumference..	3.50	25.00

## Our Catalog

"Bulbs for Autumn Planting"

Is now ready—please send for a copy. It features the New and Rare varieties of Flower Bulbs from America, Holland, France and Japan. The Finest Tulips, Daffodils, Hyacinths, Crocus, Lilies and other Miscellaneous Bulbs for Autumn Planting.

# Stumpp & Walter Co

Order Your  
Bulbs Now

One of the Largest Growers and Importers of American, Dutch, French and Japanese Bulbs for Discriminating Flower Lovers in the United States.

30 & 32 Barclay Street

New York City

Branch Stores in Newark, N. J., White Plains, N. Y., Baltimore, Md.

## Hidden qualities of a good garden

Continued from page 776

belongs here. There are some large gardens that may have use for it, but there are many better things. Belonging to the same family is the Purple Coneflower (*Rudbeckia* or *Echinacea purpurea*), which, while not refined, is still an artistic flower. A few plants here and there throughout the borders will be attractive. It is not a rampant grower like Golden Glow and seems to know its place.

In many other ways we must select the material we plant in our borders. When we first embark upon the adventure of gardening, our meager knowledge may lead us to plant almost anything, but, as our experience grows, we learn what is good and what is not. Allow only the better flowers to occupy space in your borders. The average amateur gardener is so busy with countless things besides the garden, however much he would like to devote whole days to it, that it is better for him to have a small border of choice plants, well cared for, than to have a large one that is neglected. It is better to have twenty-five fine Roses and cultivate them every day than to have a hundred ordinary Roses and cultivate only when the weeds demand it.

When you enjoy the glorious masses of color in the garden, do you realize the painstaking care required to obtain them? Borders must not only be planned and planted so that the various groups blend and harmonize with each other, but the season of bloom must be so distributed that all sections of the border will have some color at all times. While most of the plants may be divided into spring, summer, and fall blooming varieties, the planting arrangement should be

such that the entire border shall have the appearance of being in bloom all of the time. To do this, the plants must be set rather close together—another reason for careful preparation of the soil.

In order to have masses of color in the spring, bulbs must be planted in the fall. As they are put five to seven inches deep, annuals may be planted right over them for summer and fall color, thus actually getting almost a continuous season of bloom from the same space.

Many of the annual flowers may be depended upon to bloom from mid-summer till frost. A half dozen of these should be used in the borders by the hundreds. If started indoors they may be had in bloom quite early. Here's the list: *Calendula*, *Larkspur*, *Marigold*, *Petunia*, *Verbena*, and *Zinnia*. There are probably as many more that have long seasons of bloom but that are not as universally satisfactory as these. Among the perennials blooming for a long season are *Coreopsis*, *Gaillardia*, *Shasta Daisy*, *Forget-me-not*, *Violas*, and *Violets*. Two others that bloom several times if cut back and fed well are *Delphinium* and *Hardy Phlox*. A good border will contain these in generous quantities, and a great many other things.

Lastly the good garden must have intelligent care. Most of the so-called "gardener's luck" is simply knowing how. It is the constant attention to the little things that makes a garden a real success. It may be timely pruning here and there, the transplanting of some annuals from an overcrowded place to one that is bare of color, or a thorough watering at the right time.

## In and about the garden

Continued from page 772

closely related to species grown in gardens the world over. There are *Coreopsis*, *Helenium*, *Helianthus*, *Eryngium*, *Aster*, *Solidago*, *Liatris*, *Gerardia*, *Pentstemon*, *Salvia*, *Rudbeckia*, and *Tradescantia*. These natives are the equals in possibilities and often in beauty and quality of many now cultivated," says Mr. Hume. I can readily follow his enthusiasm and agree that "there is no reason why many of them should not be grown in gardens."

### SALVAGING THE GARDEN

THE need of house plants for the winter is fundamental, and yet there is nothing of which we tire so easily as the plant which eternally sits in one jardinière like some apartment house "table fern," writes one of my readers, J. Monta Lee, and that is, of course, quite true. A practical suggestion is then offered. "But I have no conservatory to take care of my winter needs, therefore I place my wicker porch table (after October it *must* be brought in to the store room anyway) in a corner of the den so that it gets the light from two windows. On it I place a large tray—a twenty-five-cent affair enameled black.

"Now for the plants themselves. In August I begin to think about my

winter pots for the plants must be all well rooted out of doors before bringing in. You may say they need not be, but this is the point: this tray is a continuation of the garden and should be hardy when brought in.

"I leave out the bulb story, for that is an old story and has been well covered. It goes without saying that I use bulbs of many kinds. But this timely reminder is for the *saving* of the garden. Many annuals are in full bloom, will stand thinning, and will bloom for many months if brought indoors. A pot of Sweet Alyssum makes a festive showing. Then there may be cuttings made; also small perennial seedlings which ought to be thinned out. These latter ones may only make a showing of green but with a group of plants very little needs to actually bloom. I started some fine Hydrangeas from cuttings late one summer, kept them all winter, and planted them out in our mild spring.

"I know of no better winter indoor sport and it will go a long way toward sowing the seed for a small 'real' window conservatory.

"My own hotbed grew from just such a problem. I had sowed a pot full of Long-spurred *Aquilegia*, and its success made me 'wild' to go on further explorations in a larger field."



## Just to Prove— that we can and do grow them—

Above we show a very small part of our extensive Daffodil plantation at Babylon, L. I., where millions of *Narcissus* bulbs revel in soil seemingly made especially for them. Since we cannot import any more (except novelties) we have planted acreage and are now in a position to offer over sixty outstanding varieties in the most popular classes.

## Please Order Soon

*Narcissus* bulbs should be planted as soon as available—the sooner, the better the root-action this Fall, and the finer the flowers next Spring! Besides, we ourselves plant new acres just as soon in September as the orders are filled. For those who may not have our catalog handy we herewith offer

### A Few Outstanding Leaders

**Spring Glory.** (Bicolor Trumpet) a symphony of white and golden yellow. \$2.15 per doz.; \$16 per 100.

**Emperor.** Most popular yellow trumpet variety. \$1.85 per doz.; \$14 per 100.

**Conspicuous.** Short-cupped *Barrii*, yellow with orange edged cup. \$1.60 per doz.; \$12 per 100.

**Sir Watkin.** (Incomparabilis) Sulphur yellow, cup tinged orange. \$1.60 per doz.; \$12 per 100.

**Queen of the North.** (Leedain) White, with primrose cup, prettily fluted. \$1.60 per doz.; \$12 per 100.

**Dante.** Pure white Poet's *Narcissus* with red rimmed cup. \$1.35 per doz.; \$10 per 100.

Above six, inexpensive varieties represent the six most important types of Daffodils for the home grounds. To popularize them, we make the following favorable offers:—

6 each of 6 sorts	\$ 5.50
12 each of 6 sorts	9.50
25 each of 6 sorts	18.00
100 each of 6 sorts	70.00



### "Greetings from Tulipdom"

will familiarize you with all we have to offer by way of Tulips, Hyacinths, Daffodils, etc., in "Bulbs in a Class All Their Own," at prices to suit every purse or fancy. Gladly mailed free and please mention AMERICAN HOME when writing.

### ZANDBERGEN BROS., "Tulipdom"

3 Mill River Road

Oyster Bay, Long Island, New York

Nurseries at Valkenberg, near Leiden, Holland  
and at Babylon, L. I., N. Y.





Marshmarigolds, Collection A



Our Native Hardy Orchids are offered in Collection C



Hepaticas vary in color, Collection D

# Native Ferns and Flowers *from Everywhere for YOU!*

FOR years it has been our dream to grow all the worthwhile native American plants and ferns and while that dream is still far from realization, yet we have about 300 of the finest varieties which we offer in a new list now ready for you.

There are Orchids from the cold north woods, Iris and Lilies from the southern mountains, Mariposa Tulips and Lewisias from the far west, Calirrhoe and Oenothera from the plains, and Mertensia and Wild Phlox from the central states. In fact, plants for every conceivable situation.

There are plants for the bog garden, the rockery, the quiet pool or the running brook, for blazing sun or moist shade. While

most of our American flowers lack the barbaric gorgeousness of old world and Oriental introductions, they will make your home a better place in which to live.

In order to carry on this work, we must sell plants, and so we are arranging several collections at special prices, which you cannot afford to miss.

## COLLECTION A

### 72 plants for the moist Bog Garden

- 12 PITCHER PLANT—*Sarracenia purpurea*. An omnivorous inhabitant of the swamps, that greedily digests the foolish insects that enter its pitcher-like leaves.
- 12 MARSHMARIKOLD—*Caltha palustris*. "The wild Marshmarigold, gleams like fire in swamps and hollows gay."
- 12 WATER CALLA—*Calla palustris*. Real callas of purest white attaining a height of 6-8 inches in shady bogs.
- 12 YELLOW WATER FLAG—*Iris pseudacorus*. Four feet tall with blossoms of purest gleaming gold.
- 12 SWAMP SAXIFRAGE—*Saxifraga pennsylvanicum*. The blossoms look like Mignonette but grow on hollow stalks 3 feet tall.
- 12 TALL MEADOWRUE—*Thalictrum polygamum*. The aristocratic member of the bog, raising its flower heads of white to a height of four feet as if to get above its more plebeian neighbors.

## COLLECTION B

### 72 Ferns of useful beauty

- 12 OSTRICH FERN—*Pteritis modulosa*. I would rather be a five foot plume by the river, watching the small boys fish, than a plume from the tail of the ostrich and see the queen.
- 12 MAIDENHAIR FERN—*Adiantum pedatum*. Seeming fragility characterizes this very hardy fern. Plant in rich moist shade.
- 12 ROYAL FERN—*Osmunda regalis*. A three foot graceful fern that sends out its youngsters to form a perfect family circle in the swamps or moist meadows.
- 12 HAYSCENTED FERN—*Dennstedtia punctilobula*. Dense mats of 12 inch fronds which emit the aroma of new mown hay. For sun or shade.

- 12 LADY FERN—*Athyrium filixfoemina*. Graceful 3 foot fronds and easy to grow in partial shade.
- 12 EVERGREEN WOODFERN—*Dryopteris marginalis*. Sold by the millions as Fancy Fern. Likes the moist woods.

## COLLECTION C

### 42 Hardy Orchids *Do not plant too deep*

- 12 PINK LADYSLIPPER—*Cypripedium acaule*. The Pink Ladyslipper grows in either dry or moist shade, provided the soil is acid.
- 6 YELLOW LADYSLIPPER—*Cypripedium parviflorum*. A fragrant yellow Ladyslipper that thrives on hummocks in the bogs.
- 6 SHOWY LADYSLIPPER—*Cypripedium spectabile*. The giant pink and white Ladyslipper is the most elusive of all hardy orchids but about the easiest to grow, in moist shade.
- 6 LARGE PURPLE FRINGED ORCHID—*Habenaria fimbriata*. Large lavender pink flower heads on two foot stalks and with a delightful fragrance. For moist partial shade.
- 6 SHOWY ORCHIS—Beautiful white and lavender flowers and especially fragrant. 6 inches tall. Moist shade.
- 6 ROSE POGONIA—*Pogonia ophioglossoides*. A delightful little pink orchid of the bogs. And fragrant, too.

## COLLECTION D

### 72 plants for the shaded rocks

- 12 AMERICAN COLUMBINE—*Aquilegia canadensis*. A happy red and yellow fellow for either sun or shade.
- 12 COLORADO COLUMBINE—*Aquilegia coerulea*. Most glorious of all columbines, this state flower of Colorado. A rather small plant with enormous sky-blue flowers.
- 12 WHITE BANE BERRY—*Actea alba*. Fluffy flower heads of white followed by even whiter berries. Two feet tall.
- 12 DUTCHMAN'S BREECHES—*Dicentra cucullaria*. This plant has many extra pairs of trousers on one stem. Probably so many get torn on the sharp rocks where it is most at home.
- 12 HEPATICA—*Hepatica acutiloba*. Varying in color from white to pink and purple, it is one of our hardiest native flowers. Beautiful evergreen leaves and one of the earliest plants to blossom in spring.
- 12 CRESTED IRIS—*Iris cristata*. A wonderful little 4 inch, sky-blue iris is the contribution of the Blue Ridge Mountains to this collection.

## COLLECTION E

### 72 plants for the Woodland Pathway

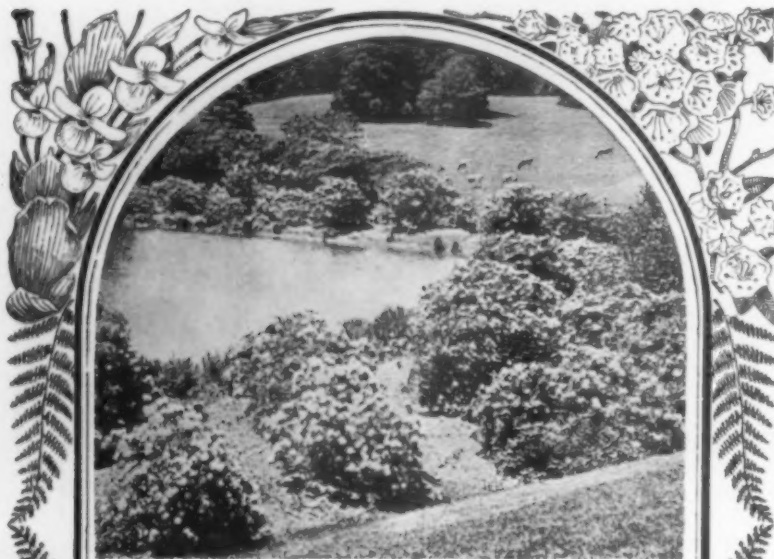
- 12 BLUE PHLOX—*Phlox divaricata*. Great masses of blue glorify the woodlands of the central states in the spring.
- 12 MERRYBELLS—*Uvularia perfoliata*. Like yellow Lilies the Merrybells hang from their one foot stems in May. Like rich soil.
- 12 SNOW TRILLIUM—*Trillium grandiflorum*. Large colonies of pure white blossoms make an unforgettable sight. Easy to grow.
- 12 SNOW THOROUGHWORT—*Eupatorium urticaefolium*. In September, the great pure white masses of Snow Thoroughwort is one of the features of the Northern woods. Two to three feet tall.
- 12 VIRGINIA BLUEBELLS—*Mertensia virginica*. Opening pink and turning clear blue is one reason why we sell more Mertensia than any other perennial. An indispensable flower for dry woods.
- 12 FOAM FLOWER—*Tiarella cordifolia*. Foam flower accurately describes it. A very sweet flower with an acid appetite.

George D. Aiken, Box V, Putney, Vermont  
*"Grown In Vermont, It's Hardy"*

*Now, here is our Special Offer:—*

For \$5.50 we will send you one-half of any one collection. For \$10.00 we will send you any one of the above collections. And for \$45.00 we will send you five complete \$10.00 collections all different or all alike. We think this is the best offer of native plants ever made. For prices on smaller or larger quantities, please consult our price-list. And if you wish our regular catalog of Evergreens, Shade Trees, Fruit Trees, Vines and Perennials, we will gladly send that also.





## Year Around Beauty Anywhere

It matters little where you grow them—along driveways, the banks of ponds or creeks, around the foundation of the home or on the lawn—they are contented anywhere and of never-failing graceful beauty. They are truly ornamental the year around, with their lustrous dark green foliage. During June they "outshine" every other flower or flowering shrub. Now you know how we feel about

### RHODODENDRONS

*Peers of all broadleaved Evergreens*

*R. maximum* is the finest of the family for mass effects. Develops into magnificent specimens and we'll furnish you splendid specimen plants for a start.

	Each	10
1 to 1½ feet	\$1.25	\$11.50
1½ to 2 feet	2.00	17.50
2 to 2½ feet	2.75	25.00

*R. catawbiense*. Very hardy and very free-flowering. Broad rosy-purple clusters during June. We can supply extra choice clumps, 1 to 1½ ft. Each \$2.00, 10 for \$17.50.

*R. carolinianum*. This most beautiful native of Carolina develops into magnificent specimens 6 to 8 feet high. Our supply was never finer!

	Each	10
9 to 12-inch clumps	\$2.00	\$17.50
12 to 15-inch clumps	2.75	25.00
15 to 18-inch clumps	3.25	30.00
18 to 24-inch clumps	4.00	37.50

Landscape Architects and other users of large quantities will please ask for special quotations on 100 and carload lots.

### The Azalea De Luxe

We grow large quantities of the most important native Azaleas. But among them, one stands out like a flash of lightning—*Azalea calendulacea*, well named Flame Azalea. From early May until after middle of June it is the most gorgeous sight among deciduous shrubs. Color: chiefly orange, yellow and flame red, scarcely two exactly alike.

	Each	10
1 to 1½ feet	\$2.50	\$20.00
1½ to 2 feet	3.00	25.00
2 to 2½ feet	3.60	33.00

NOTE:—All above plants come to you with large ball, securely burlapped, no extra charge for packing, safe arrival guaranteed anywhere.

Let our catalog further familiarize you with a wealth of wild-flowers, ferns and other worthwhile plants not generally offered by other nurseries. When writing, please mention AMERICAN HOME.

## GILLETT'S

Fern and Flower Farm

3 Main St., Southwick, Mass.

At It Half a Century!

## Home grown fragrant Violets

Continued from page 687

Wales. This variety, when available, should be of interest to the Violet enthusiast.

The coldframe is the most inexpensive of greenhouses and provides a place where Violets are happiest. Here the ground is always moist, and even on hot days the shade of the frame shutters gives the cool conditions that are essential to success. The frame is usually built in a protected spot and on sunny days in winter the Violets get the advantage of sunshine and the warmth of the protecting snows.

The plants, unless you are growing them from little divisions, may be planted any time during the fall from September first to December. Naturally, the longer the plants are established before the blooming time, the better results you will have. In preparing the ground in the frame, see to it that you have a soil of some texture. Good pasture sods, well-pulverized and mixed with twenty-five per cent of well-rotted manure is just the soil Violets want. The Single varieties seem to do best on cow manure, while the Double ones prefer horse manure. Avoid commercial fertilizers entirely, as the chemicals are likely to burn the delicate roots.

Not only do the Double and Single varieties prefer different sorts of food, but after planting, they vary considerably in the care required. The Double Violet begins to bloom normally the last of October, and the frame should be provided with sash for night use and a little shade during the day, if the sun is bright. The aim, with varieties such as Marie Louise should be to keep a constant night temperature of from 40 to 45 degrees, allowing all the fresh air possible. In early December you should have fine flowers; and, if you are in a section where this temperature can be maintained, you should have your own Christmas Violets. If you find that the cold is too much for you, it is advisable to let them freeze solid, and then protect the frame for a month or so until the late winter sun begins to warm things, when you can start them on the spring blooming season. The thing to avoid is alternate freezings and thawings, which may not kill the plant, but will stop its blooming until the following season.

For single Violets a slightly different course is pursued. The Doubles will be set some eight inches apart in the bed, but the Singles should be given as much as a foot or more, as the growth is very rank. This growth

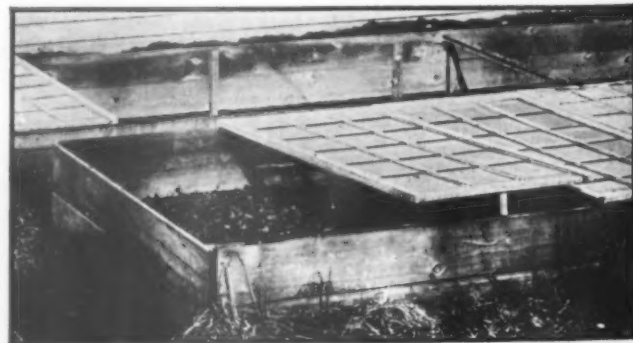
will continue as long as there are no frosts, and it is the purpose of one or two good freezings to stop the growth and thus tend to make the plants start budding. The first blooms will come somewhat later than with the Doubles. If very severe weather sets in soon after the first frosts, it might be well to let them freeze solid, then protect the frame and leave until later winter, as with Doubles.

These instructions and precautions are given for northern sections, but readers will realize that south of Philadelphia the blooming season should be constant. It may even be continued in the cold sections if the plants are in a cool greenhouse, or if some gentle heat could be provided for the frame. But in the case of Single Violets, do not allow the night temperature to range higher than 38 to 42 degrees.

To go into many further details of Violet culture would require many pages, for the commercial grower has many "do's" and "don'ts" that he thinks make for success. Watering is very important and should be done thoroughly, when done at all, and usually right after the flowers have been picked. Semi-monthly is often enough in a frame in midwinter, but as spring advances, the Violet becomes thirsty and the moisture should be watched if you want continued bloom. Mulching the plants in the fall with pulverized manure is good and keeps the flowers clean as well as feeding the plants.

Bugs and diseases will find their way to Violets as well as to other plants, but if you start with everything clean and all the boards white-washed, and spray for aphid during the summer, you will not have undue worry about pests. One of the greatest causes of trouble with Violets is insufficient ventilation. Chance a slight freezing in mid-winter rather than stifle the plants in a humid atmosphere. Give all the air possible every day, and some at night.

It may be that you can not have or do not want to use a coldframe for Violets and yet want to have the best varieties in your garden. This you can do if you will remember to give them a partly shaded, sheltered position where some sun can come in during the early spring. If you live in a cold climate, protect the plants during the winter with hemlock boughs or oak leaves. If you are accustomed to caring for *Digitalis* or *Campanula*, you will find the same kind of care will suffice for Violets.



The coldframe is the simplest form of greenhouse and is really all that is necessary to raise Violets



# BRAND PEONIES

## *Glorious Creations of Rare Beauty*



We use 200 acres of the richest soil to be found in the entire upper Mississippi Valley on which to grow Peonies, rotating from year to year so as to always have new, clean soil in which to grow our roots. This season we have 50 acres of this land into Peonies. We have had a wonderful growing season, cool weather with just a sufficient rainfall. Our growing fields of Peonies look superb, and we anticipate as fine a crop of roots as we have ever grown. These roots we now offer to our customers with confidence that they will give the utmost satisfaction.

### "THE BRAND DIVISIONS"

We believe the final success of the root in your garden depends almost entirely upon the quality and the size of the root we send you to plant. It has become our settled policy to send out roots of only the finest quality and of a size which we have standardized as a BRAND DIVISION, a large division carrying from 3 to 5 eyes with a large, well balanced root system.

### FIFTY ACRES OF PEONIES

We have fifty acres of Peonies from which to choose. These roots will be handled by expert Peony men and women of long experience.

### PLANT BRAND PEONIES

We have spent over 30 years improving the Peony and many of the world's finest varieties were produced by us. No planting is complete without some of our productions. Such varieties as Martha Bulloch, Henry Avery, Phoebe Cary, Richard Carvel, Judge Berry, Mrs. A. M. Brand, Victory Chateau Thierry, Mrs. John M. Kleitsch, Myrtle Gentry, Longfellow, and many others of our creations will be grown through the centuries to come and as long as men and women love flowers.

### OUR NEW PEONY MANUAL

Our new Peony Manual came from the press late in 1928. This is a book of 64 pages printed on the best of paper in nice clear type and beautifully illustrated. It is a complete treatise on the Peony, going fully into its history, the care of the Peony, together with complete descriptions of most of the choice varieties. This book is not offered for sale, but we send a copy free to all our customers who send us an order for stock from our catalog amounting to \$5.00 or more.

### OUR CATALOG FOR 1929

Our general catalog of Peonies, Iris, bulbs and Shrubs is now ready. Write for it.



**BRAND PEONY FARMS, INC.**

**Faribault, Minnesota**

**Box 33**

## CHERRY HILL PEONIES

Again demonstrate their wonderful quality at the Massachusetts Horticultural Society Exhibit by winning the following awards.

Centennial Gold Medal for Meritorious display of peonies.

Silver cup and first prize for best exhibit arranged for effect, not to exceed 300 square feet. 1st prize for best collection of double flowered peonies, one flower of each, rating at 8.5 and over.

1st prize and silver medal for basket or other receptacle, not to exceed 25 blooms, arranged for effect.

1st prize for 10 named varieties, double, one flower of each.

2nd prize for 20 named varieties, double, one flower of each.

1st prize for 12 named single varieties, one flower each, Japanese excluded.

1st prize for 6 varieties, Japanese, one flower of each.

1st prize for 6 named double white varieties, one flower of each.

1st prize for 6 named double varieties, deep pink, one flower of each.

1st prize for 6 named double varieties, red or crimson, one flower of each.

At the Rhododendron and Azalea Exhibit held the previous week at the Massachusetts Horticultural Society we were awarded

Gold Medal and first prize for best decorative display of Rhododendrons in variety in flower.

1st prize for general display of Azaleas in flower. Special award of silver medal for display of peonies.

At the North Shore Horticultural Society Annual Exhibit held a few days later we were awarded Gold Medal for best decorative display of peonies and Silver Medal for MERITORIOUS DISPLAY of EVERGREENS.

We shall be pleased indeed to send you our catalogue describing our wonderful PEONIES—AZALEAS—RHODODENDRONS—ORNAMENTAL EVERGREENS—SHADE TREES—SHRUBS—JAPANESE and GERMAN IRIS and HARDY GARDEN PERENNIALS.

### CHERRY HILL NURSERIES

(T. C. Thurlow's Sons, Inc.)

West Newbury

Mass.

NOT OPEN SUNDAYS

## Green carpets for the old earth

Continued from page 692

persistent spreader for my garden, so I have had to banish it, but where there is ample space it is a worthy subject.

Sweet Cicely makes a lovely ground cover in soil that it likes, and to mitigate the evil of its pestilential seed-pods I use a sickle freely just after it flowers. It is charming planted along with Mertensia in a shrubbery. Both these plants make a spring cover in thickets so dense that no cover is needed by the time they have disappeared.

There is a Violet to suit almost any soil; and the beauty of the leaves of Violets is not appreciated enough. I have a deep purple variety—a reddish-purple, the original stock of which came from a swampy river-bottom. It grows to greater advantage on high ground, with clay subsoil, and in my New England garden it flourishes so that the leaves are almost too exuberant. It stays green late into the summer, and sometimes bears that little second crop of flowers in early November which makes the gardener's heart almost hurt!

To a neighbor whose garden held a stubbornly bare spot, I gave some roots of Jacob's-ladder (*Polemonium reptans*). Originally brought from dry and well-drained woods, it accommodated itself to very disconcerting surroundings, seeded itself

and spread, and its progeny has adorned her garden and mine for twenty years. I use this little plant a great deal. As a border in front of either Clara Butt or Dream (Darwin) Tulip, it gives my eyes a pleasant thrill, and (this is advice for the patient gardener) after bloom I grasp each plant firmly and "bob its hair" with garden shears. It sends out fresh green leaves that last practically all summer. If allowed to seed, it soon makes a ground cover.

Another cheerful spreader, rather coarse, but handsome in its place, is the Waterleaf (*Hydrophyllum macrophyllum*). I have a group of these plants naturalized among Elderberry bushes, and they have vitality enough to hold their own against the Elder's encroaching roots.

These are but a few of the plants which suggest themselves as variants for Pachysandra. Probably a dozen others will occur to the mind of any thoughtful gardener. At any rate try to develop something new, autochthonous, with tints that harmonize with the shrubbery and trees where you are planting. If in the process you develop a stock of some of our fast diminishing native wild flowers, so that you have not only all you need but enough to pass on to others, you will earn a very special sort of garden blessing.

## Catching the judge's eye

Continued from page 688

Dahlia is a sportsman's flower, and it is in the spirit of sport that one should exhibit. You will enjoy the experience.

On arrival at the show room if any of the flowers have wilted, put them into hot, but not boiling, water. It should be hot enough to be uncomfortable to your hand, but still endurable. Before putting them in the water, cut a short piece off the end of the stem to remove air-filled cells, so that the bloom can pull the water through the stem. Leave them in this warm water for fifteen minutes.

If you need help in staging, ask for it from the show committee. That is what the show committee is for, and many times when an exhibitor stages in the wrong class he loses a prize that might have been won. Stage blooms of uniform quality in classes calling for two blooms or more. There is a temptation for every amateur exhibitor who has one big, choice bloom to include it in spite of the fact that it upsets the uniformity of the exhibit as a whole. With other points equal, three or six blooms of uniform size in good condition, even though not so large, will win over an entry with one or two monster blooms and other small ones to keep them company.

Of course, judges make mistakes, but I dare say that in most instances the judges are correct in their awards. The sooner you learn to ask them in a fair manner why they made their decisions, the more fun you will have out of the show and the more you will learn. The judges are very conscientious in making their awards, and a fair question or two, after decisions

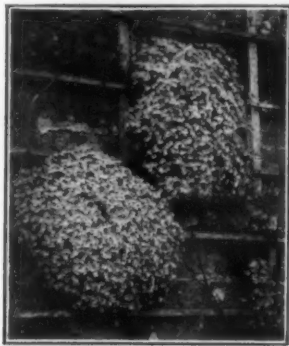
have been made, will teach the exhibitor a great deal.

NO SET rule may be given for exhibiting in the artistic arrangement classes. One of the most successful exhibitors in these classes, and incidentally an excellent judge herself, recently said that there was no definite rule by which such classes could be judged, despite the fact that the Garden Club of America has set down such rules. Entering in an "artistic arrangement" class is not only a matter to bring out one's best sporting instincts, but in addition it is a gamble and somewhat a matter of luck. These classes are the source of more conversation in a fall flower show than any one other item. Try to live up to the wording of the premium list, and then give your artistic sense free rein to express your personality and originality in such an arrangement. These arrangements have brought an entirely new keynote into the flower show game. If one wants to realize how easily opinions can differ, it is necessary only to watch the judges when they make their decisions on these classes.

If you have never seen a big Dahlia show, regardless of whether you are growing Dahlias or not, you have a treat in store for you. Throughout America there are a number of these fall flower shows which are well worth visiting. New York, Boston, Philadelphia, Trenton, Camden, Baltimore, Red Bank, San Francisco, Los Angeles, Hartford, New Haven, and a number of other cities stage big shows.



## This Purple Rock Cress Is It In Your Rock Garden?



"Aubretia" (Purple Rock Cress)

Rock Cress is one of the daintiest and most delicately beautiful of all the dwarf plants for carpeting beds or Rock Gardens. It is particularly charming in combination with White Arabis, the true Rock Cress, as well as Alyssum Saxatile, the yellow flowered Basket of Gold. Give it a warm sun exposure and it will develop into brilliant sheets of color—in rockery or hardy border.



Reg. U.S. Pat. Off.

## Wayside Gardens

E. H. Schultz  
Pres.

MENTOR, OHIO

J. J. Grullemans  
Sec'y-Treas.

IF NOT, do by all means see to its being there. Never mind its up-stage name of Aubretia. Some unimaginative old dry as dust name-maker is responsible for that.

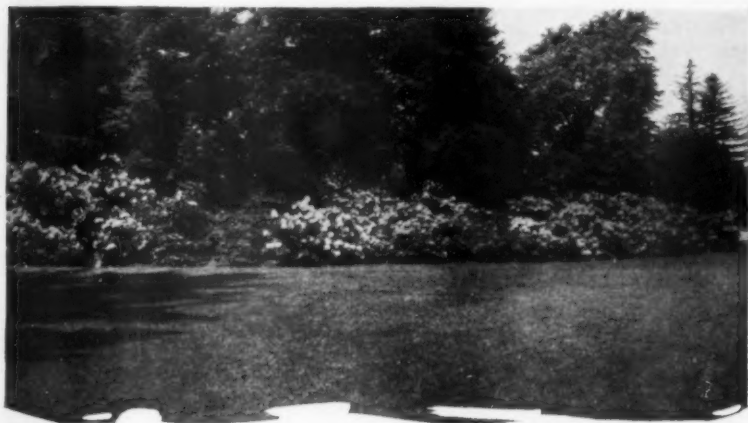
Truth to tell, there do seem to be a lot more of the so-called "fascinating" rock plants, than the regular hardy garden ones.

There's Edelweiss, that plucky little Alpine gem. You can but wonder how its fragileness survives the rigors of its native habitat.

Then there are numerous semi-clambering things, that path their progress with blooms.

And the tuck-away ones—so charmingly shy, and yet full of character.

But why go on enthusing, when there's our catalog that does it so much better than we could hope to. The one who wrote it, makes rock garden hardy plants his hobby. So no more need be said, save hinting it will be worth your while to have the catalog. September and October are ideal months for planting your rock garden.



## Among the Evergreens

used in American plantings the Thujas (or Arborvitae) occupy a high place—indeed they are deemed indispensable. In the American family (*Thuja occidentalis*) three new varieties have been introduced within the past few years, and are now available for modern estates and home grounds.

**Columnar Arborvitae.** Tall and compact in growth, with the desirable green color of the older varieties. Valuable where a column effect is wanted.

**Cone-shaped Arborvitae.** Maintains the typical cone form without clipping. Grows 10 to 12 feet high.

**Compact Arborvitae.** Makes a dense growth of foliage, which has the color of the family. A modern substitute for the older evergreens.

This trio of Evergreens, with many new and rare shrubs, roses, and hardy plants, are presented in the 1929 edition of

### "Landscapes and Gardens"

our general catalogue. A copy will be mailed on receipt of your name and address.

**WYMAN'S  
FRAMINGHAM NURSERIES**

Box H-1

Framingham, Mass.

## For Greater June Garden Plant MORE Madonna Lilies

Madonna Lilies are always beautiful, in any situation. The chaste, pure white flowers are borne on sturdy stems, and their exquisite fragrance perfumes the entire garden.

Our bulbs of these come from northern France; are heavy, solid stock, bound to give satisfaction regardless of size, though the largest sizes bear taller spikes.

	Each	Doz.	100
Large bulbs	\$ 35	\$3.00	\$20.00
Extra large bulbs	50	4.50	30.00
Mammoth bulbs	75	6.00	40.00

*An Ideal Combination:* Plant Madonna Lilies in front of Blue Delphiniums and you create pictures of surpassing beauty. Dreer's De Luxe Hybrids come in light blue, mid-blue and dark blue shades. Uniform price: 35¢ per packet; packet each of three colors \$1.00.

Delivered postpaid at above prices.

*Dreer's Autumn Catalog:* holds abundant hints as to what to do (and how) in the garden right now. Free for the asking.

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





## Save 20% to 33 1/3% on Peonies and Iris

which we must move to make room  
for the New Parkway

**E**QUAL to expensive new Peonies in beauty and quality are the Peonies which we are offering in our Special Collections. This is a rare opportunity to secure the treasures of a peony enthusiast at greatly reduced prices. Mr. Harris started his Peony Collection in 1901, the year before the American Peony Society was organized. Many of his varieties were secured direct from Dessert, the great French Peony specialist. From time to time, he has won prizes at the annual show of the Society.

The individual prices quoted below are taken from our 1930 Fall Catalog. This Catalog lists over 150 of the very best varieties, Double, Single and Japanese, all priced as low in proportion, as this

### "Get-Acquainted" Collection

Rating	Variety	Description	Time of Blooming	Catalog Price
8.1	Avalanche	Creamy white, Fragrant	Midseason	8.75
8.4	Felix Crousse	Brilliant Red, Fragrant	Midseason	.75
9.3	Festiva Maxima	White, Fragrant	Early Midseason	.50
8.5	Germaine Bigot	Flesh pink, Salmon tints	Midseason	.75
7.9	Jean d'Arc	Pink guard, Collar rich cream, Fragrant	Early Midseason	.75
8.8	Karl Rosefield	Rich velvety crimson	Early Midseason	.50
8.3	La Rosiere	White, Strong Fragrance	Midseason	.75
8.6	Mme. Auguste Dessert	Glossy flesh	Early Midseason	1.00
8.9	Mme. Emile Lemoine	Glossy white, tinged pale pink	Midseason	1.00
8.2	Marcelle Dessert	Milk white, Fragrance of a tea rose	Midseason	1.00
8.4	Marguerite Gerard	Pale salmon pink	Midseason	.75
8.1	Mlle. Leonie Calot	Shell pink	Late Midseason	.75
8.3	Venue	Delicate shell pink, Rose fragrance	Midseason	.75
8.0	Mme. Lemonier	Exquisite pale pink	Late Midseason	.75
9.0	Sarah Bernhardt	Soft pink, Very Fragrant	Late Midseason	1.00

Several of above have been awarded first prize at Annual Shows of American Peony Society.

\$11.75

These 15 choice Peonies, average rating 8.4 on scale of 10, \$9.75

Any 10 of above for \$7.00

**Special Offer:** To those wishing plants for mass planting, or cut flowers, and not particular about names, we offer a bargain; Strong 3- to 5-eye division, \$2.50 for 10; \$20 per 100. Strong 1-year clumps, \$4 for 10; \$35 per 100 (50 at 100 rate). Ten pink, white or red divisions, 30 cts. each; 50 or more at 25 cts. each; 1-year, 45 cts. each; 50 or more at 40 cts. each.

See our Iris Offer in August issue of AMERICAN HOME, page 645

### Best Peony Book Free with Order for \$15.00

On orders of \$15.00 or more of Iris and Peonies, we will include free, the best peony book for the amateur, "Peonies in the Little Garden," by Mrs. Harding.

**ROSES Long a Specialty**—We named our Nurseries, ROSEDALE, because of their location in the S.w Mill River Valley with Roses as a leading specialty. Roses can be sent this Fall. For 30 years, Rosedale has been known for unexcelled rose plants at low prices. But this year, they are lower than ever.

Catalog on Request

"America Is Yours, Beautify It"

## ROSEDALE NURSERIES

Outfitters for the Home Grounds

S. G. HARRIS, Owner

Box A

Tarrytown, N. Y.

## Enter now the weedless lawn

Continued from page 690

But there are so many different strains of Washington as well as the other Creeping Bents, that it is essential to be absolutely certain that you are getting a good strain before buying any stolons. Deal with an established, reputable seedhouse or specialist.

If planted in the fall, the stolons can be broadcast; but if started in the spring, it is better to plant in rows six to eight inches apart so that the weeds can be hoed until the plants have covered the surface between the rows.

In starting a Bent lawn the best results will be obtained if this plan is followed closely: pulverize the soil thoroughly to a depth of four to six inches and then firm with a roller so as to re-establish capillary attraction. Have this much of the work finished

before the stolons arrive. Just before broadcasting the stolons, loosen the top inch of the soil lightly with a rake. After broadcasting the stolons, roll them with a small corrugated roller to push them down into the loose top soil, and cover them with one-fourth inch of black dirt. If you do not have such a roller, use the ordinary lawn roller. After this is done, thoroughly soak—all but float away the yard—with water for a week.

When the new Bent grass has reached a height of three to four inches, mow with the blades set to cut about three inches from the ground. Each successive cutting can be a little shorter until you have the grass at the height you want it.

## Why doesn't that tree bear fruit?

Continued from page 689

from one's state experiment station as to the effectiveness of the introduced variety in pollinating the tree. Bloom will have to be brought in for several years until the graft or bud has produced flowers.

If it is found that the nearest source of foreign pollen is quite distant from the non-bearing tree and there is considerable doubt as to whether the bees visit this source or an equally good one, it is best to introduce foreign pollen into the trees. Cut a few branches from another effective variety of the same fruit when the flowers are beginning to open and place in water under or in the tree to be pollinated.

Trees that are bearing flowers must have sufficient plant food materials if they are to produce a harvest of large, good quality fruit. All fruits suffer alike from lack of nourishment. Pruning and fertilization are the common methods used to overcome the temporary insufficiency of food materials.

Applications of fertilizer are necessary for fruit trees growing in grass. In case of a very poor soil a complete fertilizer may be of benefit. However, nitrogen is the only fertilizer element that consistently gives a favorable response in the development of flowers into fruits. Nitrate of soda and sulphate of ammonia are two common fertilizers containing only nitrogen.

The usual time of application is two to three weeks before the tree is in bloom. The amount to be applied depends on a number of factors such as the growth and appearance of the tree, its age, the fertility of the soil, and whether or not the tree is planted in grass. As an arbitrary rule, at least one quarter of a pound for each year of the tree's age should be applied. The fertilizer should be scattered not at the base of the trunk but under the tree as far as the drip of the branches.

Pruning often has a marked effect in increasing the number of fruits, providing the tree is suffering from a lack of nutritive materials. The pruning may be done any time from December to April. It should consist not in the cutting out of large limbs but of the well-distributed thinning out of small branches.

The ravages of insects and diseases

may cause the flowers and partially developed fruits to fall, but these do not account for complete failures, except in rare instances. At the present time hand dusters and dusting materials are so easily obtainable that there is little excuse for losing any appreciable number of flowers or partially developed fruits from deprivations of insects.

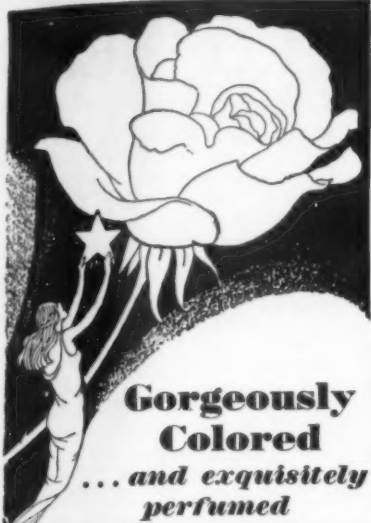
Low temperatures during the winter, and late spring frosts often account for failure. The earliest blooming fruits usually suffer most from late frosts. Peaches, Sweet Cherries, and Apricots are killed more often than Sour Cherries, Plums, Quinces, Pears, and Apples. The flowers killed in the unopened bud may slough off unnoticed when the bud opens. If the pistil only is injured, they may continue to develop although incapable of producing fruit.

In the center of each flower is the style, a thread-like structure surrounded by the yellow pollen-carrying stamens. If either this style or the region around the seed cavities is brown and discolored, the flower will not develop into a fruit.

Detection of injury is easy if one examines the style and makes a transverse cut through the fleshy part of the flower in the region of the seed cavities.

The age of the tree has been commonly blamed for many failures to fruit that were due to other causes. The youth of the tree is responsible for non-bearing only during the first few years of flowering. If a tree has once produced a number of fruits, subsequent failures must be sought among other causes. Not until one has satisfied himself that all other conditions are favorable and that the young tree has never produced fruits should the failure to set fruit be laid to the youth of the tree. It is unfortunate that little can be done until the age of the tree is determined. One must wait until flowering does result in fruit development. Usually this is only two to three years.

The unfruitful tree is not merely willful; it simply demands understanding. Now is the time to consider the past failure with a view to future success.



**Gorgeously Colored**  
... and exquisitely perfumed

There is no other rose like Mme. Gregoire Staechelin. Its color is iridescent—pearl pink with claret-carmine markings on the outer petal. It is a "star" climber, and a "Star" Rose. It has an unusually long blooming season. Staechelin is fully described in our "Fall Guide to Good Roses." You will want one or more of these miracle roses in your own garden. \$2.50 each—four for \$9. Order now.

Many other interesting and colorful novelties never before offered are shown in the 1929 "Fall Guide to Good Roses." It lists the newest "Star" Dozen—and all the other "Star" roses. Quite the most interesting fall catalog we have ever issued. Send for it today. It's free.

**Star Rose Growers**  
The Conard-Pyle Company  
Box 24, West Grove, Pa.  
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**Hardy Phlox**

We carry over 300 varieties  
Send for list

Special Offer for \$2.00

- Independence—White
- Rheinlander—Salmon
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- Millie von Hoboken—Pink
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- George Mendel—Large flowering (pink), New
- Miss Lingard—Early white

**W. F. Schmeiske**  
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**Narcissi Peonies Irises**

Many Choice Varieties

Narcissi from the tiny jonquil to the giant Tresserve. Irises beardless and bearded. Peonies of all styles. Tulips, late flowering.

Send for price list

- Narcissus mixture of many varieties and types, \$3.30 per 100, \$30.00 per 1000.
- Tulip mixture, \$2.00 per 100.
- Siberian Irises, 1 each of Snow Queen, Perry's Blue, Distinction, Emperor, \$1.00.
- Peonies, 7, all different, all labeled, \$2.00.
- Mikado, \$1.00.

All delivered postage or express paid.

**Oronogo Flower Gardens**  
Carterville Mo.

**MANURE! MORE MANURE!**

Good gardening depends on manure. Chemicals, prepared fertilizers, nothing can take its place. You must have manure.

Stable manure has become scarce, but thanks to ADCO you can still have all the manure you need. ADCO is the powder that when mixed with straw, stalks, leaves, cuttings, garden waste of any kind, turns it into manure. This ADCO Manure is real manure, identical chemically and in fertilizing power with the old-fashioned kind, but much cleaner.

You owe it to your garden and yourself to know about ADCO and how to use it. Won't you let us send you our booklet? It's free.

Send \$7.40 for 100 lbs. of ADCO, enough to make two tons of excellent manure; or order it from your own seedsman. Simple directions accompany every package.

**ADCO, 1738 Ludlow Street, Philadelphia**



**PETERSON'S PEONIES**

If you plant Peterson's undivided and fully-matured roots this Fall, you will enjoy good, typical flowers of the Modern Peony next Spring. There is no need to wait longer, which is frequently the case where "divisions" are planted.

The whole story of Peterson's Peonies is told in our twenty-fifth annual catalog,

*"The Flower Beautiful"*

the quality of which reflects the quality of this business. It will help you to know and admire this noblest and most permanent of all garden flowers. The honest descriptions of varieties and accurate illustrations (some in true color) will interest you.

It is sent cheerfully upon request

**GEORGE H. PETERSON, Inc.**  
*Rose and Peony Specialists*

Box 50 Fair Lawn, New Jersey



**The Iris Bargain of 1929**



**THE BEST BUY OF THE YEAR.** To advertise the superior quality of my roots, I will EXPRESS PREPAY 100 roots from 30 fine varieties, such as Dream, Seminole, Mother of Pearl, White Knight, Virginia Moore, Isoline, Troost, Gold Crest, Miranda, etc., 10 to 25 of a variety, YOUR SELECTION each variety PERMANENTLY labeled, for only \$6.00. My special circular gives further details. Let's get Iris-Acquainted. You'll be glad.

**HARCOURT M. TAYLOR**  
Riverside Gardens Yakima, Washington

**Iris Peonies Delphiniums**

"It is more blessed to give than to receive."

We find that it pays us to give our customers more than they pay for or expect.

Don't take our word for it but try one or more of the following offers and see.

**OFFER NO. 1**

For \$3.00 I will send 13 Iris worth over \$5.00—postpaid

- A. E. Kunderd, Albert Victor, Archeveque, B. Y. Morrison, Caprice, Dorothea K. Williamson, Florentina, Iris King, Lent A. Williamson, Mrs. H. Darwin, Princess Beatrice, Steepway, Francina.

**OFFER NO. 2**

For \$5.00 I will send 13 Iris worth over \$8.00—postpaid

- Alcazar, Crusader, Edouard Michel, Georgia, Lord of June, Mme. Chobaut, Myth, Palaurea, Prospero, Queen Caterina, Seminole, Steepway, Tamar.

Note: Since, in connection with my Iris Roots you cannot have "bad" luck, I am sending you dozens plus one—for "good" luck.

**OFFER NO. 3**

Six Peonies worth \$9.00 for \$5.00—postpaid

- Avalanche, Chestine Gowdy, Mme. Boulanger, Mme. Crousse, Auguste Villame, Cherry Hill.

**OFFER NO. 4**

Six Peonies worth \$18.00 for \$10.00—postpaid

- Edith Forrest, Baroness Schroeder, Longfellow, Tourangelle, Mme. Jules Dessert, La France.

**OFFER NO. 5**

Seven Peonies worth \$57.00 for \$30.00—postpaid

- Betty Alden, Judge Berry, Kelway's Glorious, Le Cygne, Grace Loomis, Solange, Longfellow.

**OFFER NO. 6**

1 Doz. Delphiniums, 1 Doz. Iris, 6 Peonies—all good named varieties, but not labeled, for \$5.00.

100 Mixed Iris—at least 27 choice named varieties but not labeled—for \$5.00—1000 for \$45.00.

A customer [bought 1000 and was so well pleased that he ordered 2000 more. These go by Express not prepaid.

**IRIS SIBERICA**

- Orientalis each, 25 cts. Doz. \$2.00; 100, \$8.00
- Snow Queen each, 25 cts. Doz. \$2.00; 100, \$8.00
- Perry Blue each, 75 cts.

May I send you my catalogue to tell you more? Thank you!

**GEO. N. SMITH**  
167 Cedar Street  
Wellesley Hills, Mass.





# The Only Way to Save Money on these Twelve Best Books

**T**HERE are several "book clubs" in America, each offering readers current selections from advance lists before publication for the retail trade. Naturally, some confusion has arisen. Possibly you have not clearly in mind just which of these organizations it is that binds its books in permanent editions and delivers twelve of them to its members each year at a *tremendous cash saving*. **ONLY The Literary Guild DOES THIS!**

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It would seem too vainglorious to state that every advantage of book-buying procurable in any other way—through subscription or otherwise—is to be had through Guild membership, in addition to many unique advantages—including the cash saving. Therefore, we leave the decision to you. Mail the coupon for full particulars that you may judge for yourself.

One obvious testimony to the superiority of the Guild is its amazing growth. From an *idea*, two years ago, it has become unique in the book



world, the only organization of its kind in America.

Through the year, more than 650,000 books were sent to Guild members, at a saving that seems incredible. In one year the members saved more than \$1,150,000 on their books—and they secured such outstanding successes as:

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- MAGIC ISLAND
- BAD GIRL
- MAMBA'S DAUGHTERS
- MEET GENERAL GRANT
- ROUND UP
- THE WAVE
- THEY STOOPED TO FOLLY

The books pictured on this page were all Guild selections. All nationwide favorites. Every literary review of importance in America has printed feature articles about these most extraordinary books of the decade. Guild members received them at a great saving—without having to search for them—on the very day they were published.

But if—after they had seen them—they did not want to keep any of them as a permanent part of their library—they *could have been returned in exchange for any books in print in the United States*.

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Now you cannot lose. Guild membership is absolutely guaranteed to please you. But before you join, you should know exactly how the Guild plan operates.

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The coupon will bring it to you without the slightest obligation. Compare the advantages offered on its pages with those of any other agency for book distribution in the world. Your own acumen will prompt you,—you will not need to be urged.

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55 Fifth Ave., New York, N. Y.

You may send me a copy of the booklet, *Make the Literary Guild Serve You*, free and without obligation.

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# The Literary Guild

55 Fifth Avenue

Dept. 93, A. H. M.

New York, N. Y.



# ANONYMOUS— but it changed her entire life

*Go back a few years in this New York woman's life.*

*Think of her, not as she is today, a beautiful woman, married to an adoring man, and playing the charming hostess in her great Park Avenue home, but as she was before that anonymous letter came with its horrible accusation.*

*True, she was lovely and charming then. But women avoided her. Men seldom called more than once. In the very years of her prime, she found herself hopelessly out of things—and utterly unable to account for it.*

*Then, one morning she received that bleak white envelope with its anonymous enclosure—a national advertisement across which was written in a bold masculine hand, "Wake up."*

*Amazed and humiliated, she read it again and again. Finally the shocking truth came home. That advertisement was true. It applied to her. It had applied to her for years.*

Halitosis (unpleasant breath) is the damning, unforgivable, social fault. It

doesn't announce its presence to its victims. Consequently it is the last thing people suspect themselves of having—but it ought to be the first.

For halitosis is a definite daily threat to all. And for very obvious reasons, physicians explain. So slight a matter as a decaying tooth may cause it. Or an abnormal condition of the gums. Or fermenting food particles skipped by the tooth brush. Or minor nose and throat infection. Or excesses of eating, drinking and smoking.

Intelligent people recognize the risk and minimize it by the regular use of full strength Listerine as a mouth wash and gargle.

Listerine quickly checks halitosis because Listerine is an effective antiseptic and germicide★ which immediately strikes at the cause of odors. Furthermore,

it is a powerful deodorant, capable of overcoming even the scent of onion and fish.

Always keep Listerine handy. It is better to be safe than snubbed. Lambert Pharmaceutical Company, St. Louis, Mo.

★ Full strength Listerine is so safe it may be used in any body cavity, yet so powerful it kills even the stubborn B. Typhosus (typhoid) and S. Aureus (pus) germs in 15 seconds. We could not make this statement unless we were prepared to prove it to the entire satisfaction of the medical profession and the U. S. Government.

## LISTERINE



## Planting In September

SO much of your planting can be done in September. Shrubbery or hedges laid out, new perennial beds made, evergreens planted.

If you are one of those who did not completely carry out their plans this spring, by all means begin now as finest results for next year will be obtained by planting at this time.

We begin shipping evergreens in August, perennials in September and October and deciduous trees and shrubs from the first of October until the ground freezes in December.

We recommend your writing now for our illustrated catalogue and planting guide. A copy will be mailed you free at once.

### THE BAY STATE NURSERIES

W. H. Wyman & Son

North Abington, Mass.



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### Destroys Insect Pests!!!

Wilson's O. K. Plant Spray, the nationally recognized standard insecticide, may be depended upon to keep your plants, flowers and shrubs free from injurious insects. It is clean . . . non-poisonous . . . easily applied. Recommended by the Officers of The Garden Club of America. Write us, if you cannot obtain Wilson's O. K. Plant Spray from your dealer. Half-pint 40c, Quart \$1.00, Gallon \$3.00, 5 Gallons \$12.00.

Also Manufacturers of  
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For Rhododendrons  
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The Modern Way to Kill Weeds

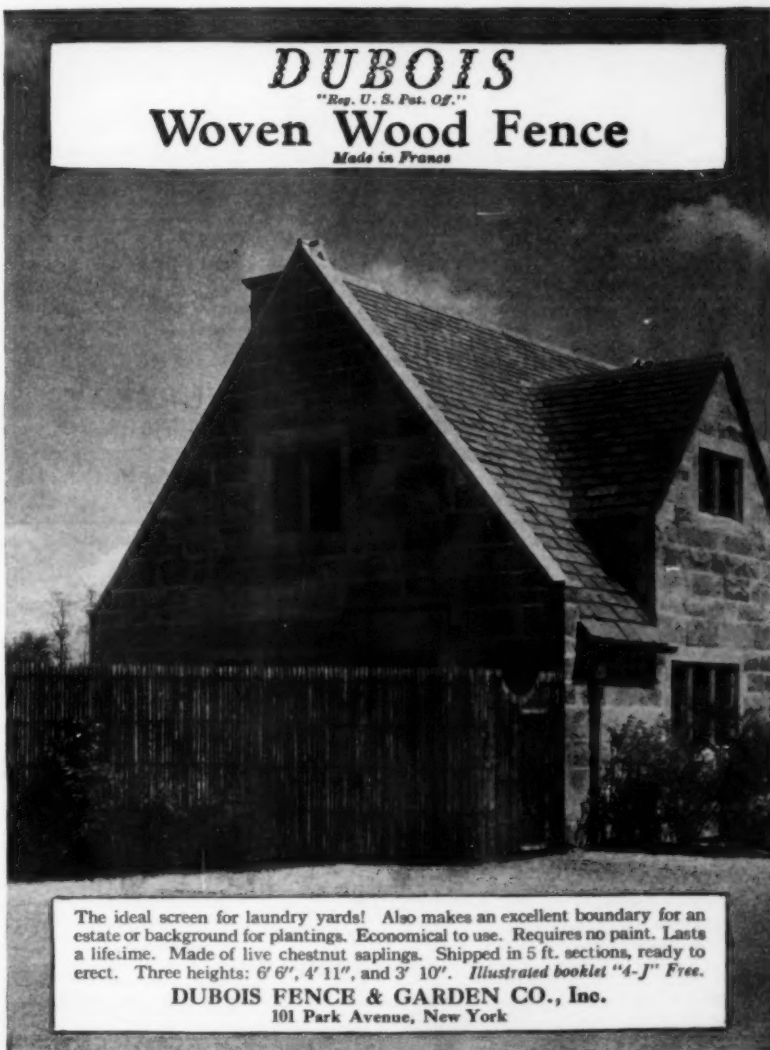
**Andrew Wilson**  
Dept. A  
SPRINGFIELD, NEW JERSEY

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### Woven Wood Fence

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The ideal screen for laundry yards! Also makes an excellent boundary for an estate or background for plantings. Economical to use. Requires no paint. Lasts a life-time. Made of live chestnut saplings. Shipped in 5 ft. sections, ready to erect. Three heights: 6' 6", 4' 11", and 3' 10". Illustrated booklet "4-J" Free.  
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101 Park Avenue, New York

# Burpee's Bulb Book



free

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

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

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

TEAR HERE

**W. ATLEE BURPEE CO.**  
800 Burpee Bldg., Philadelphia

Send me a free copy of Burpee's Bulb Book.

Name.....

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## Native Lilies

will bring the loveliness of the Mountains to all Gardens of America

OF ALL the lilies of the field those Native Lilies of the Carolina Mountains are the loveliest. Colorful, fragrant, hardy, blooming freely, they are indispensable to the knowing gardener.

**Lilium Carolinianum.** Orange-red flowers, on stems 3 to 4 feet high.

**L. Grayi.** Deep reddish flowers, spotted orange inside. Height 2 to 4 feet.

**L. Superbum** (American Turkscap). Orange, with dark purple spots on outside. Exceedingly free bloomer. Height 3 to 6 feet.

5 First-size Bulbs of each \$4.75  
15 bulbs in all, delivered

## Native Perennials (Nursery-grown)

In my two nurseries (one in the mountains, the other in the valley) conditions are ideal for growing native perennials—Asclepias, Cimicifuga, Clintonia, Closed Gentians, Hepatica, Blood-root, Violas in variety, Trilliums, and many other plants that are both rare and beautiful.

A New Catalogue featuring this desirable native planting material is now ready. Copies have been mailed to all my customers. I shall be pleased to send a copy to all others interested in native lilies, perennials, shrubs, and trees.

**E.C. ROBBINS**  
Gardens of the  
**Blue Ridge**  
POSTOFFICE BOX 7  
Ashford, No. Car.

## Scott's Creeping Bent for Perfect Lawns!

Sod in six weeks! A rich, velvety stretch of lawn that chokes out weeds before they can grow! A deep, thick, uniform turf that makes your home a beauty spot! That's what you'll get if you plant Scott's Creeping Bent.

### The New Super-Lawn

Creeping Bent—long recognized as the ideal grass for golf putting greens—is now producing Super Lawns. Instead of sowing seed you plant stolons or the chopped grass—and in a few weeks you have a luxuriant lawn like the deep green pile of a Turkish carpet! Fall is the best time to plant.

O. M. SCOTT & SONS CO.  
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This little book "Bent Lawns" is free to you. It is a valuable treatise on how you can have beautiful lawns. Write today for your copy.



## PFEIFFER'S QUALITY COLLECTIONS For Flower Lovers



The finest perennials at astonishing prices—rare varieties and out-of-the-ordinary Peonies, Iris, Phlox, Tulips, etc. All grown by Pfeiffer, the flower specialist, at Winona. Special collections offered to introduce Pfeiffer quality to flower lovers everywhere.

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The most successful time to plant Peonies is in the fall. Have them bloom early. Do better. Pfeiffer Peonies are large divisions that grow.

6 PEONIES FOR \$2.00  
The big bargain of the season in Peonies grown by Pfeiffer. Name varieties, 2 White, 2 Red and 2 Pink. A wonderful collection postpaid for \$2.00.

25 IRIS \$1.35  
Surprise collection of 25 choice varieties, not labeled, wonderful assortment colors, all different, called surprise collection because it will surprise you. Postpaid \$1.35

### PHLOX BARGAIN

Hardy Phlox grown by Pfeiffer makes friends everywhere. Here is your chance to get a start of these attractive flowers.

### 12 CHOICE PHLOX \$2.50

Three each of a red, pink, salmon and white variety. Large full colored clusters. Extra hardy. 12 beauties for only \$2.50 postpaid. Order any of these introductory bargain collections direct from this advertisement or write today for Pfeiffer's new catalog listing, describing and pricing hundreds of rare and popular flowers.

### CATALOG IN COLORS

Free: The Finest catalog ever issued by Pfeiffer showing Peonies, Iris, etc. in natural colors. Gives ratings and new reduced prices on rare and popular varieties. Write for it today.

### TULIPS

Genuine Dutch Tulips as imported direct from Holland by Pfeiffer are high this year. Prices have been made extremely low considering the scarcity of good bulbs. Everyone who expects to have tulips next Spring should order early while selections are widest and prices low. Prices may advance soon.

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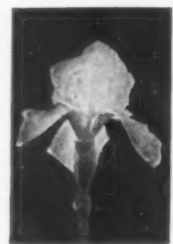
100 DARWIN TULIPS Assorted Colors \$3.00  
A wonderful collection at a low price.

THE PFEIFFER NURSERY  
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We have the most varied and largest commercial collection of orchids in the United States—write for special list of established orchids.

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Orchid Growers and Importers  
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SEND today for our beautiful new illustrated Iris Booklet describing 500 new and finer varieties, any one can grow. Many are shown in full color.

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Originating from the finest creations of the Delph world, I have developed the famous Imperial strain of probably the greatest English hybrid delphs ever grown, in white and all shades of blue, violet, purple, indigo, lavender and pink, in Singles, Doubles, Triples and Ruffled Type standing 7-9 feet high, immense flower heads and bloom from 2-3 inches across. My best specimen plants are seedlings from this great strain. Would you grow some of these wonders? Selected seed offered at \$2.00 per 400. Plants now, they will bloom in part next season. YOU CANNOT FAIL for I will replace seed on demand until you do succeed or will send you 6 certified plants free. Order now time is important. Orders may be placed now for certified & guaranteed plants for spring delivery at \$5.00 per dozen.

E. E. HEALEY

Exclusive Grower Puyallup, Wash.

### Special Values in Iris and Rock Garden Plants!

One each of ten named varieties of Iris \$1.00  
Two " " " " " " " " " " " " 1.50  
Five named Rock Garden plants - - 1.50  
EXTRA SPECIAL—ten named Iris and five named Rock Garden plants 1.75  
Send for free copy of our complete lists

HUGHEL GARDENS

5348 Ohmer Ave. Indianapolis, Ind.

## RHODODENDRONS KALMIAS—AZALEAS OUR SPECIALTY

Send list of wants for prices.  
MORRIS NURSERY CO.  
47 W. 34th St., New York, N. Y.

## SPANISH IRIS

Beautiful shades of blue, lavender, white, yellow and bronze. Tall flowers of good substance, yet delicate in form that they resemble an orchid. Root well when cut for the house. Require little protection during Eastern Winters. Choicest, flowering size bulbs—50 for \$2.25, postpaid. List of Native California Iris, Lilies, and many other wild flower bulbs sent on request.

GORDON AINSLEY

Campbell California

## Rockplants

and construction of rock gardens our specialty. Ask for list.

RAINBOW NURSERY CO., Inc.  
East Northport Long Island

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



Rose Arbors  
Garden Houses  
Trellises  
Play Houses  
Garden Seats  
Pergolas  
Bird Houses



Old homestead bird house, 10 rooms, 16-foot pole. Price \$15.

SEND for the Hodgson booklet X. It pictures and prices the outdoor equipment listed here. Everything made of cedar and shipped to you finished, painted, ready to erect.

E. F. HODGSON COMPANY

1108 Commonwealth Ave., Boston, Mass.



Laying-house for 12 hens. Price \$35.

Dog Kennels  
Picket Fences  
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Pet Stock Houses  
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Poultry-houses  
Play Boats

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**The Lake Placid Club Greenhouse**  
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Just so are the ones at Warm Springs, Georgia, and at such other famous resorts as The Broadmoor Hotel, Colorado Springs, Col.; The Empress Hotel, Victoria, B. C.; Banff Springs Hotel, Banff, Alberta; Lake Louise Hotel, Lake Louise, Alberta.

New catalog just ready, which gives considerable attention to Glassed Over Swimming Pools and Sun Tan Rooms.

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One of the finest hardy Garden lilies yet introduced. A vigorous grower, 3 to 5 feet. Large, beautiful, fragrant blooms.

Large selected bulbs  
 Each Doz. 100  
 \$6.60 \$6.50 \$50.00

Extra selected mammoth bulbs  
 \$1.00 \$11.00 \$87.50

**MICHELL'S**  
**Bulbs for your garden**  
**Michell's DARWIN TULIPS**

(Color Plate Collection)

AFTERGLOW, deep rosy orange. DREAM, rosy lilac and mauve. INGLESOMBE YELLOW, brilliant. PRINCESS ELIZABETH, deep rose pink. WILLIAM PITT, crimson shaded purple. Five glorious darwins that offer a wonderful color variation and exquisite forms.

25 (5 each of above 5 varieties) . . . \$1.75  
 50 (10 each of above 5 varieties) . . . 3.00  
 100 (20 each of above 5 varieties) . . . 5.50

**Michell's Bulbs for the Rock Garden**

Just a few of many varieties we have secured this year to meet an ever growing demand for bulbs for this most fascinating of all uses. No matter how small it may be you will want at least the seven gems listed below for your rockery this year. A more complete list is contained in our annual bulb catalogue.

	Doz.	100	1000
WINTER ACONITE { <i>Eranthis Hyemalis</i> }			
Golden yellow . . . . .	\$.50	\$3.00	\$25.00
BUTTERFLY TULIP { <i>Calochortus</i> } Mixed colors . . . . .	.85	6.00	55.00
BRODIAEAS. Grassy leaves; waxy flowers; mixed colors . . . . .	.80	5.50	50.00
CROCUS. Giant Mixed . . . . .	.75	4.75	42.00
DOG'S TOOTH VIOLET { <i>Erythronium</i> }			
Lily-like flowers in various colors . . . . .	1.50	10.00	95.00
FRITILLARIA MELEAGRIS. Pendant bell shaped flowers; very fine mixed . . . . .	1.00	6.50	60.00
GRAPE HYACINTHS { <i>Muscari</i> }			
BOTRYOIDES ALBUS. White . . . . .	.90	6.00	55.00
BOTRYOIDES HEAVENLY BLUE . . . . .	.50	3.50	30.00

Write for our new Fall Bulb Catalogue

**MICHELL'S SEEDS**

520 Market Street . . . PHILADELPHIA, PA.

**The Rockery's "Early Birds"**

Just as the first Robin is hailed as proof that Spring is near, so do we welcome certain early floral surprises with special joy! The flowers described below are splendidly adapted for naturalizing and for growing in borders. They are particularly happy in the little disturbed rock garden where they thrive for years.

**Chionodoxa.** (Glory of the Snow) Brilliant blue, bell-shaped flowers soon after snow disappears. 40c per doz.; \$2.50 per 100.

**Muscari.** (Grape Hyacinth) As illustrated to right below, these pretty little Spring beauties come in blue and white.

**Heavenly Blue.** 50c per doz.; \$3.00 per 100.

**Pearls of Spain.** The rarer white variety, 75c per doz.; \$5.00 per 100.

**Scillas or Squills.** A great companion to Snowdrops, with exquisite sprays of rich blue flowers. 70c per doz.; \$5.00 per 100.

**Snowdrops.** (Galanthus) They "dare" Jack Frost and peep through snow and ice. 50c per doz.; \$3.50 per 100.

SPECIAL: One dozen each of above matchless varieties for \$2.50 postpaid.

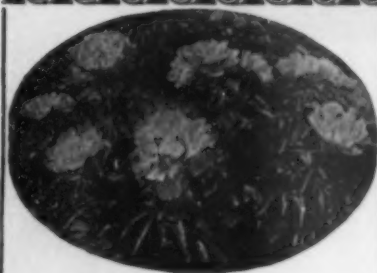
**Dreer's Autumn Catalog**

continues to serve with helpful advice just how to make the most of midsummer opportunities in the home garden. Offers Seeds, Bulbs, Plants, Requisites—all of super quality—at reasonable rates. Free, of course, and please mention this publication.

**HENRY A. DREER**

1306 Spring Garden Street, Philadelphia, Penna.





**Special Bulb Bargains for Fall 1929 and Spring 1930**

Your Choice of Any of the Following Bulbs at Greatly Reduced Prices:

All are fine large stock that will please you. Not small roots sent out by some firms.

- 8 Peonies—all different, labeled, our selection, strong 3 to 5-eye divisions. This special low price for 8 Peonies is the popular Peony bargain which we have sent out for the past four years, proving to be very popular with our customers. . . . . \$2.50
- 15 Iris—All different—Her Majesty, Rhine Nix, and thirteen other extra fine Iris, all for . . . . . 1.00
- 10 Columbine—Long Spurred, mixed Mrs. Scott Elliotts . . . . . 1.00
- 10 Delphinium—Kelway's hybrids mixed . . . . . 1.00
- 8 Hardy Phlox—Choice varieties, all different . . . . . 1.00
- 8 Lemon Lilies—Four varieties . . . . . 1.00
- 10 Liatris—(Blazing Star) Extra fine for cut flowers . . . . . 1.00
- 2 Bleeding Heart—Large plants . . . . . 1.00
- 10 Mertensia Virginica—(Blue Bells) Fine for shade . . . . . 1.00
- 10 Hesperis—(Sweet Rocket) Fragrant early flowers mixed . . . . . 1.00
- 10 Lily of the Valley—Fortin Giant (New) . . . . . 1.00
- 25 Lily of the Valley—The old variety . . . . . 1.00
- 10 Trillium Grandiflorum—Wood lily, fine for shady places . . . . . 1.00
- 10 Hepatica—Fine for shady places . . . . . 1.00
- 6 Hardy Ferns—For shady places, large plants . . . . . 1.00
- 15 Narcissus and Daffodils—mixed . . . . . 1.00
- 15 Narcissus—The Pearl, new double fine . . . . . 1.00
- 15 Narcissus—Late double white . . . . . 1.00
- 15 Narcissus Poeticus—Single white . . . . . 1.00
- 20 Narcissus Mrs. Langtry—Cream and yellow cup . . . . . 1.00
- 6 Liliun Superbum—Our wild meadow lily . . . . . 1.00
- 3 Liliun Candidum—The Madonna lily . . . . . 1.00
- 4 Liliun Regale—New white trumpet lily . . . . . 1.00
- 6 Liliun Tigrinum Splendens—Improved Tiger Lily . . . . . 1.00
- 25 Bulbs Grape Hyacinths—blue . . . . . 1.00
- 25 " Double Snowdrops . . . . . 1.00
- 25 " Ornithogalum—Star of Bethlehem . . . . . 1.00

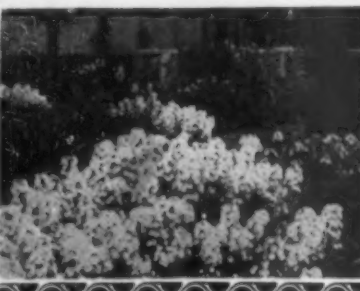
Plants ready for delivery in September and October

All of our plants are fine large plants that should bloom for you next year and we guarantee they will reach you in good growing condition.

We can supply nearly all plants and shrubs. Let us quote on any other stock you need.

Send cash, money order, or check with your order. We do not send C. O. D. and if you want them sent parcel post send postage in cover. Most lots of 25 bulbs will weigh about 3 pounds, the Peonies about 8 to 10 pounds for 8 roots. Bulbs must be sent by parcel post or express at your expense. If your order amounts to \$5.00 we will give you one extra Peony, FREE, or you can select any six \$1.00 collections for \$5.00. Add 25c to 35c extra for postage on \$5.00 collections, 15c extra for \$1.00 orders.

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# ROSES

for

## FALL PLANTING



We claim our roses are the heaviest, best ripened and lowest budded to be procured anywhere.

Each plant is a specimen.

Our list including many novelties for fall planting will be sent to you upon request if you contemplate planting. Or, upon receipt of 10¢, we will send our catalog showing many varieties in actual colors.

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Rose Specialist  
Near Buffalo Williamsville, N. Y.

## Gorgeous Springtime Blooms

### SHUMWAY'S "Pedigreed" Bulbs



If you want a beautiful springtime garden, plant bulbs this fall. Shumway's "Pedigreed" Bulbs are imported direct from Holland; guaranteed largest sizes, first quality. You can't fail to produce tulips of gorgeous beauty. Make your selections today at our low prices. Delivery charges prepaid anywhere in the United States.

- Superfine Mixture—Largest Size Bulbs**
- 100 Darwin Tulips . . . . . 17 Varieties . . . . . \$ 3.50
  - 100 Breeder Tulips . . . . . 15 " . . . . . 4.00
  - 100 Cottage Tulips . . . . . 12 " . . . . . 3.75
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  - 100 Narcissi, U.S. Grown . . . . . 5 " . . . . . 8.75

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

- 100 Princess Elizabeth Rose Pink . . . . . \$ 4.75
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- 100 Bartigon Carmine Crimson . . . . . 4.25
- 100 Clara Butt Salmon Pink . . . . . 4.25
- 100 La Tulipe Noire Nearly Black . . . . . 5.00
- 100 Valentine Violet . . . . . 5.00
- 100 Scarlet Beauty Scarlet . . . . . 5.00
- 100 Inglescombe Yellow Yellow . . . . . 4.25
- 100 Golden Bronze Name describes it . . . . . 4.75
- 100 Farncombe Sanders Rose Scarlet . . . . . 4.50
- 100 Rev. Ewbank Lilac-blue base . . . . . 4.50
- 100 Cardinal Manning Rosy Violet . . . . . 4.75
- 100 Dream Delicate Lilac . . . . . 4.75
- 100 Pride of Haarlem Carmine Rose . . . . . 4.25
- 100 Mme. Krelage Lilac Rose . . . . . 4.25
- 1500 bulbs—100 of each . . . . . 62.50
- 750 bulbs—50 of each . . . . . 32.00
- 375 bulbs—25 of each . . . . . 16.50

Free Catalog—Our new catalog, in full colors, pictures a great variety of Tulips, Narcissi, Hyacinths, Crocus, Peonies, Lilies, etc. A helpful guide to gardening free. WRITE TODAY!

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119 So. First St. Established 1870 Rockford, Ill.



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Also a complete general line of nursery stock

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EMBOSSSED METAL LABELS  
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### Rhododendrons Kalmias Azaleas

HIGHEST QUALITY PLANTS shipped from the Appalachian Mountains in any quantity. For specimen and special planting we furnish Nursery grown stock from our Stroudsburg Nursery.

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Nursery located 2000 feet from Lackawanna Trail, Pa. Route 2, U.S. route 611. Visitors welcome at any time.

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Big fees; pleasant, healthful work; a defined, uncrowded profession offering remarkable opportunities to both men and women. Experts earn \$50 to \$200 a week. Some students pay for course fees earned while studying.

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**AMERICAN LANDSCAPE SCHOOL**  
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NOT till you've enjoyed the thrill of making an admirable waffle right at the table... a ravishing chafing-dish mystery... golden brown toast... delicious coffee, will you realize the luxury and convenience of proper wiring. Your guests... your family... you, yourself... will revel in it.

Precious moments in a pleasant room with family or friends... cherish them! Don't waste them scurrying to and fro preparing food. See that your dining room is well wired and then you can be an up-to-the-minute hostess.

Specify a General Electric Wiring System. It is planned to give adequate outlets... to meet modern electrical requirements, not only for cooking but for lighting, cleaning, ironing. The materials made are guaranteed by General Electric—an assurance of long service and lasting quality.

Whether you are building a new home or rejuvenating an old one, you should plan the wiring with greatest foresight and care. Write to Section W-109 for a helpful booklet.

*Keep the memories of the old home. But enjoy the comfort of modern equipment. Your local Building and Loan Association will gladly arrange the finances for you.*

# GENERAL ELECTRIC WIRING SYSTEM

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All that was lovely in times past is lovely today. The tapestries of Bayeux... Wedgewood's pottery... the rugs of ancient Persia. ☞ Styles vary. With new ways of living come new modes of expression, new paths to beauty. Beside the rich old Oriental rugs in the great collections hang the weaves of Aubusson, daintily, delicately formal, and the peasant designs of Finland, boldly naive. ☞ How different they all are! Yet each is a work of art that would do honor to the finest home in the land. Styles vary, but **STYLE** endures. ☞ The fads pass. Most of what is called the modernistic cannot live. It is too bizarre, too unlovely. But what is truly beautiful in contemporary art will take its place among the master creations of all time. ☞ So in the rugs and carpets of Bigelow-Hartford, beside Oriental, French and Finnish designs are ranged *modern* designs of exquisite beauty... designs refreshingly new, yet in harmony with age-old traditions... designs to *live* with. ☞ Among these you will find patterns appropriate for your home, colorings that fit in with almost any decorative scheme. They introduce unobtrusively a note of true distinction. ☞ Bigelow-Hartford rugs and carpets may be seen at good stores everywhere. The prices will appeal as exceedingly moderate. The quality is such as you would expect from 'weavers for more than a century.'

The new vogue for carpet welcomes this modern design: "Hartford-Saxony" Frieze 20,406-14



FADS COME

FADS GO

### MAIL THIS COUPON

Bigelow-Hartford Carpet Company,  
385 Madison Avenue, New York:  
Please send free folders and name of nearest  
Bigelow-Hartford merchant. You will also  
send me *Color and Design: Their Use in Home  
Decoration* (a most helpful and interesting  
book, fully illustrated) if I enclose 25¢.  
KINDLY WRITE YOUR NAME AND ADDRESS  
CLEARLY IN THE MARGIN

# BIGELOW-HARTFORD

RUGS AND CARPETS







S. T. P. Co  
1929

Reproduction  
of Style No.  
A-4162 (1/5  
actual size.)

## For that atmosphere of charm, select Sanitas

Wall covering can certainly make or mar a room. So, before you select the material to go on the walls of any room in your home, by all means see the array of beautiful and practical styles to be had in Sanitas Modern Wall Covering.

If your home is a new one, you need not live with bare walls waiting for the house to settle. Sanitas can be hung as soon as plaster walls are dry.

If your home is an old one and cracks have developed in the walls, then Sanitas is the ideal wall covering to use,

because cracks, due to plaster shrinkage, will not break through Sanitas.

Sanitas is made of cloth—it has strength enough to give protection to walls and ceilings. The surface is of durable oil colors. The styles come in such a wide variety, from plain pastel shades to rich, lustrous brocades, that you should have no difficulty in choosing the correct Sanitas style for any room.

Before you decorate this fall, ask your decorator to show you the complete line of styles in the Sanitas Sample Book.

*Samples and literature sent on request*

**THE STANDARD TEXTILE PRODUCTS COMPANY**

320 Broadway

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New York

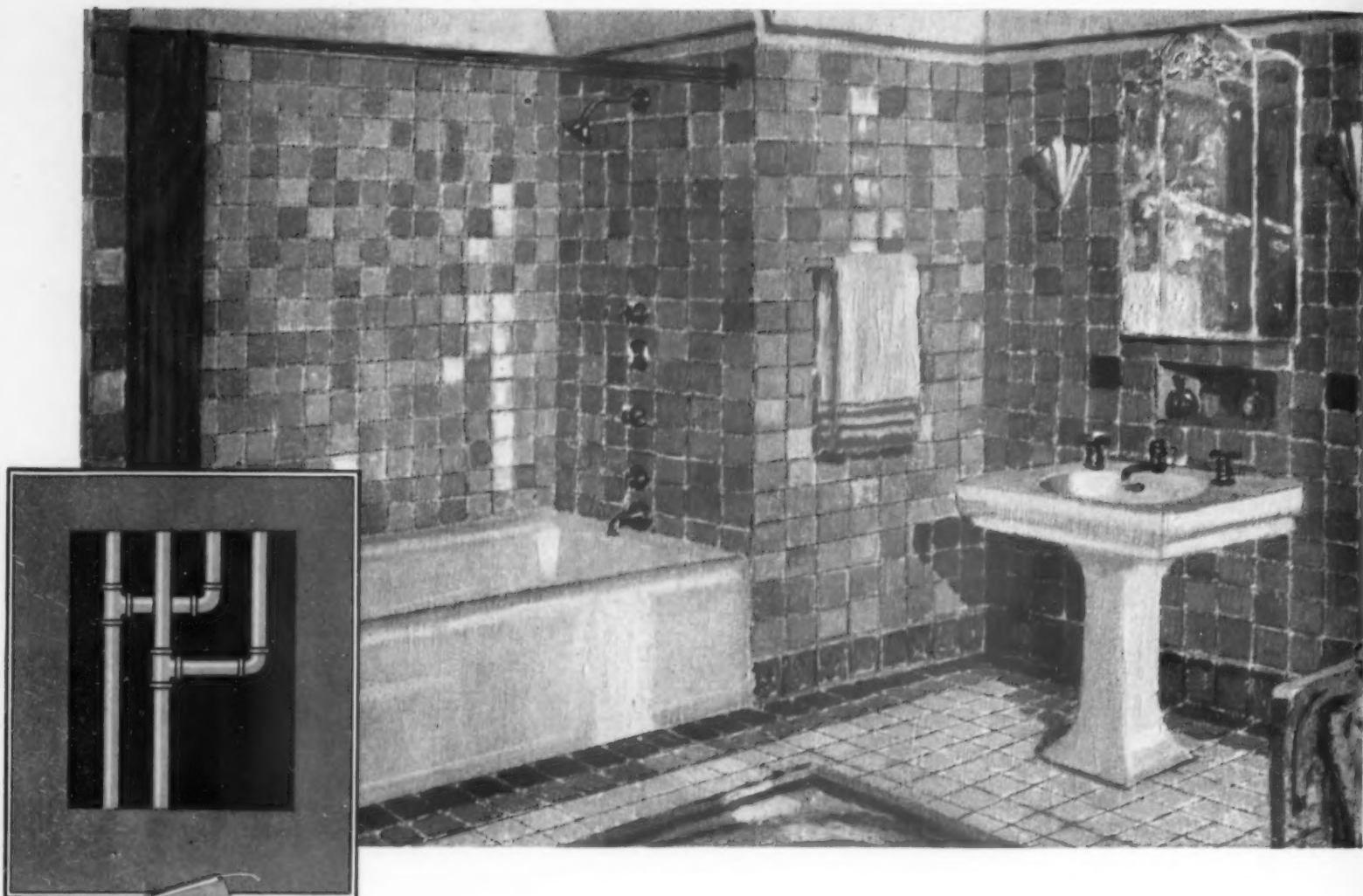
*When you visit Atlantic City, see our Sanitas Exhibit at 1410 Boardwalk, Central Pier*



*Ask your decorator to show you  
this new Sanitas Sample Book*



# Protect Beautiful Interiors



*How much should I spend for my house? . . . What must I think of in selecting the location? . . . Is there any relation between the value of the lot and the house that is built on it? . . . How can I finance my home? . . . Does the construction of a house make any difference in the cost of living in it? . . .*

These and many other important questions are answered by Roger B. Whitman, well-known building economist, in *The Home Owners Fact Book* which will be sent on receipt of 25 cents. Address The American Brass Company, General Offices, Waterbury, Connecticut.

*Use pipe that cannot rust. Rust-proof pipe is economical because it will last.*

WHEN walls like these conceal plumbing pipes that rust, there is trouble and expense ahead. Rust deposits form to clog the pipes, retard the flow and discolor the water. Eventually the pipes will rust through and leak, causing damage to walls, ceilings and furnishings.

To avoid such trouble and expense, and insure permanent protection for the beauty in your home, insist on rust-proof

Anaconda Brass Pipe, which pays for itself many times over by eliminating pipe repairs and replacements due to rust. The fact that the *first* cost is the *only* cost, makes Anaconda truly economical in home building today.

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## ANACONDA BRASS PIPE



# From Your Own BACKYARD

Carrots  
Beans  
Spinach  
Onions  
Canteloupe

Radishes  
Beets  
Corn  
Tomatoes  
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Celery  
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No matter how small your back-yard may be, it can be made to produce some of the crisp green vegetables that you long for but seldom taste. No market in the world can provide you with such vegetables as you can grow *if you know how*. No florist can sell you the pride of *creation* with your flowers. Only the joy of growing them yourself can make those blossoms perfect.

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of way—by giving you a lot of fun and a random radish?

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### Co-operating Societies

- Society of American Florists and Ornamental Horticulturists
- Society of Little Gardens
- Ontario Horticultural Association
- American Iris Society
- American Dahlia Society
- National Plant, Flower and Fruit Guild
- Woman's National Farm and Garden Association
- The Agassiz Association
- National Horticultural Association
- The School Nature League
- American Forestry Association
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Is your garden arranged so that a real estate man would increase his appraisal of your property by an extra thousand or two? Are your trees and lawn and shrubs healthy and impressive in their appearance? Does your garden pay you for your efforts by actually adding dollars to the value of your home? Or only in a "second hand" sort

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*suggests an  
Armstrong Floor*



*Fashionable flagstone effect in Armstrong's Embossed Linoleum,  
Design No. 6042, is right at home in this studio*

**S**TEP into any studio and you'll quickly appreciate the importance today of the floor in home decoration. Those high ceilings, timbered perhaps . . . textured walls . . . long casement windows . . . the very spaciousness of the room . . . all call for a floor of smart design and color.

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For Armstrong artists have created floor



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*Embossed Inlaid No. 6072*

styles to match every type of home interior, to suit every taste and fancy—even to fit into almost any size budget. It's a pleasure to shop for them, too. Just stop in at any good department, furniture, or linoleum store near your home. When you do, be sure to ask the merchant about the new Accolac-Processed surface that makes these style-setting floors good-housekeeping floors as well.

This new surface is spot-proof, stain-proof. Just a light waxing and polishing keeps it gleaming. Even in kitchens where frequent washing may be needed, care is simplified—simply renew the surface, maintain its satin smoothness, with an occasional coat of Armstrong's Linoleum Lacquer. (Do not lacquer over wax.)

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trade-mark on  
the burlap bag



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*for every room in the house*

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YOU, as a conscientious mother, buy the best food for your children, prepare it with scrupulous care and cook it correctly. Yet, in spite of all, you may be giving your children food which is not wholesome—possibly dangerous!

For even the best food becomes unsafe to eat unless it is *kept* at the proper degree of cold, which medical authorities agree should be 50 degrees or less—always. Above that temperature, bacteria multiply, food is contaminated—becomes a menace to health.

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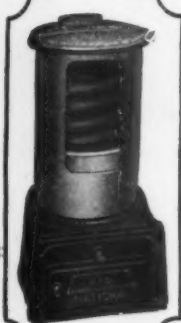
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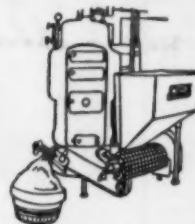
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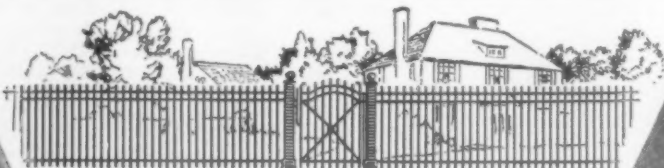
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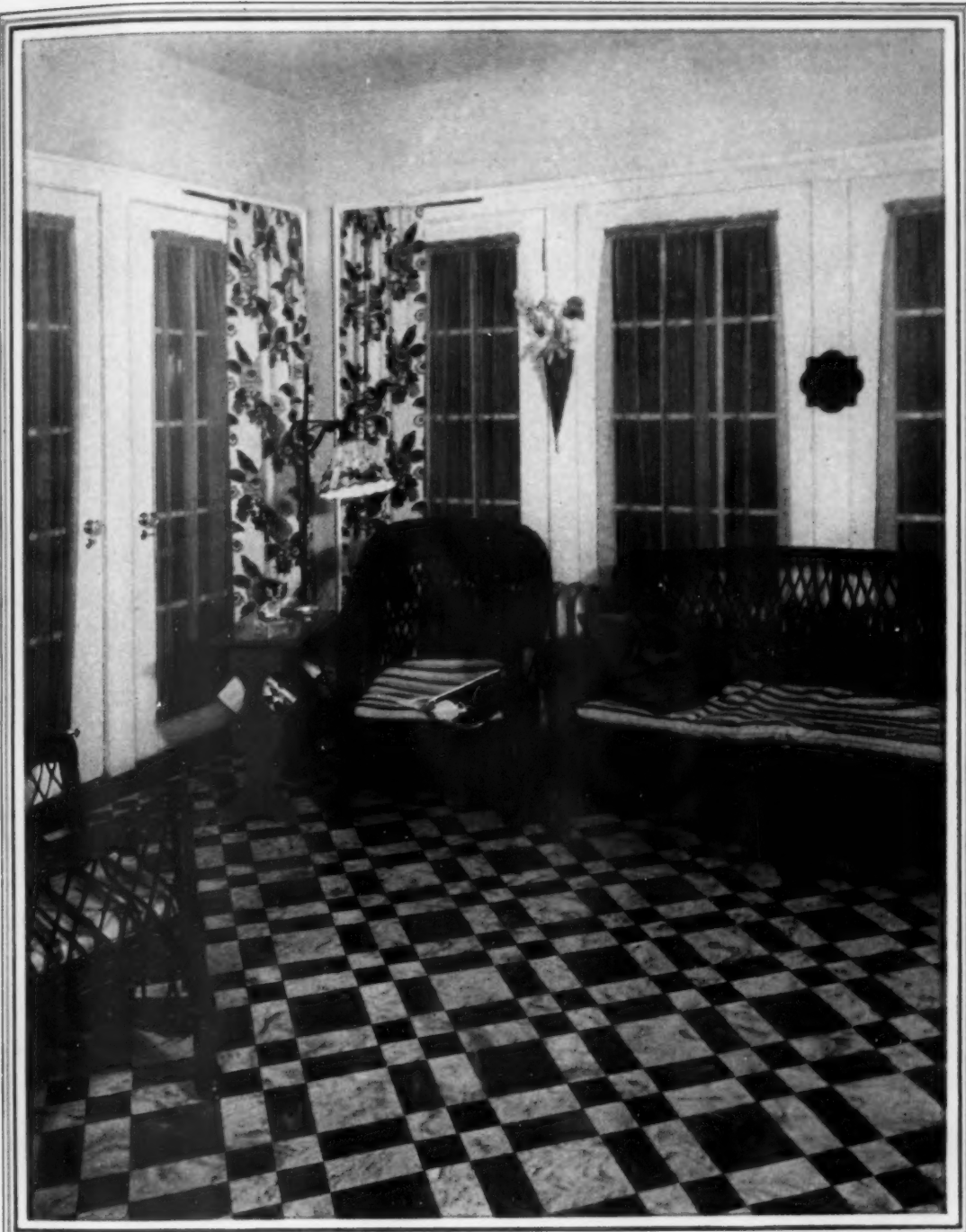
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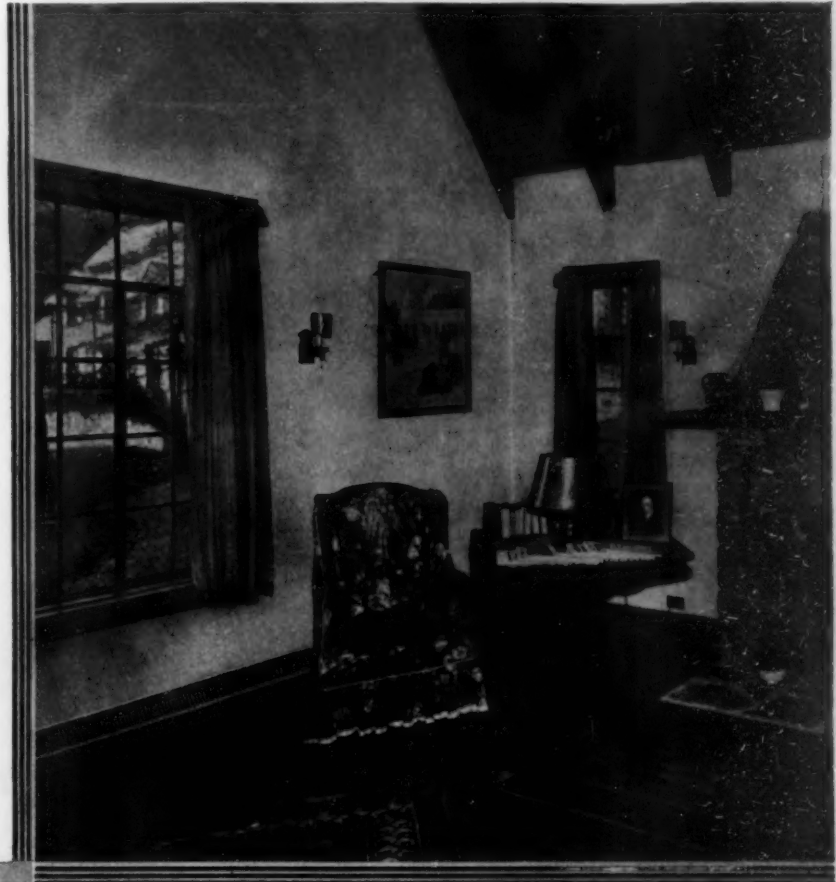
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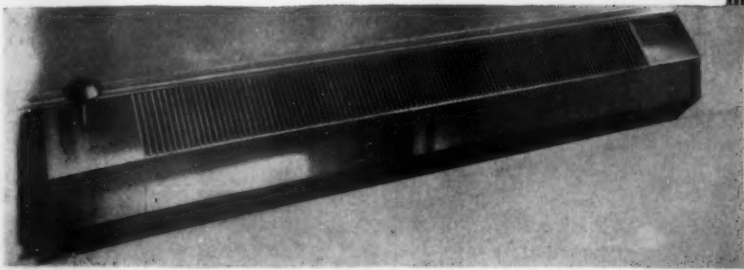
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# A NEW AND MORE PRACTICAL RADIATOR



## FOR NEW HOMES AND OLD....



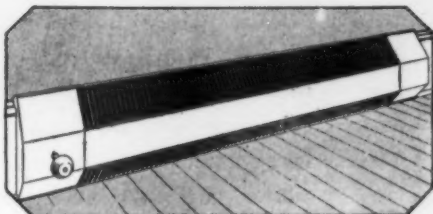
**A** NEW radiator—a modern radiator with many unusual features. It allows three methods of installation—attached to baseboard—partially recessed—entirely recessed within the wall. It distributes heat more efficiently. Inexpensive to install in new homes or in place of present radiators.

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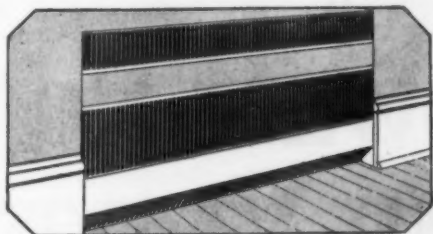
Heat is projected at the floor level—where it is most needed and most efficient. Better distribution of warmth is further insured by the greater length of this low radiator. It ends cold corners and drafty floors.

## "RICHMOND" FLOORLINE

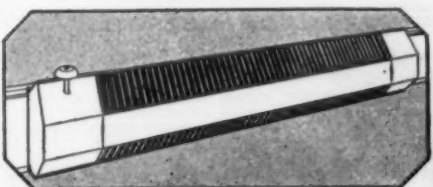
**INCONSPICUOUS  
WHEN ATTACHED TO  
BASEBOARD**



**PARTIALLY RECESSED**



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TIERED BEHIND GRILL**



U. S. Patent Applied for

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GALLOWAY TERRA-COTTA CO.  
5214 WALNUT ST. PHILADELPHIA



## Ask your husband if he understands this

If any part of a radiator remains cold when the steam is on, look to the air valve! It does not release the cold air so the steam can fully heat the radiator and forcing the fire will not help.

Replace the old valve with a Cadwell No. 10 Air Valve, however, and the cold sections will heat immediately. The Cadwell No. 10 allows ALL of the cold air to be expelled automatically. It needs no attention and is guaranteed for five years of perfect service.



For steam heat only

To appreciate the comfort the Cadwell would bring to every room, put one on the radiator that gave you the most trouble last year. It costs only \$1 to make the test and you can install it yourself. Send no money, mail the coupon.

# CADWELL No. 10 AIR VALVE

Allows the radiator to heat from end to end

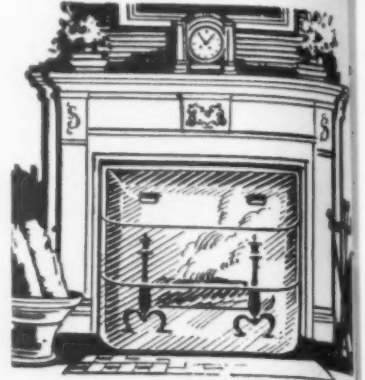
THE BEATON & CADWELL MFG. CO.  
Established 1894 NEW BRITAIN, CONN.

Send No Money

The BEATON & CADWELL MFG. CO.  
Dept. 9, New Britain, Conn.

If your dealer cannot supply you with the Cadwell No. 10 Air Valve, send us his name and we will send you one valve for \$1. Send no money; pay the post-man \$1 when it arrives.

Name .....  
Address .....



## Enjoy the Charm of Your Open Hearth in Safety

Soon, crisp autumn days will find your hearth alive with a cheery, warming log fire.

Enjoy its beauty and comfort in safety by using a Smith Fire Screen to guard against flying sparks.

These attractive screens are made of wrought iron wire mesh, with polished brass handles.

31" x 31" x 6"—\$8.00  
37" x 31" x 7"—\$9.60

Prices for other sizes furnished on request. Have your dealer order one now. Immediate shipment. The John P. Smith Company, 493-501 State Street, New Haven, Connecticut.

## SMITH

## WIRE SCREENS

## for artistic interiors

—and meticulous housekeepers

VUL-COT is the perfect wastebasket. Made of the perfect material—pure, hard vulcanized fibre. Its solid construction never leaks ashes or dust onto the floor. In ten smart new shades of durable lacquer to harmonize with every decorative scheme...round or oval...at stationery, department or housefurnishing stores.



## VUL-COT

—the national wastebasket guaranteed five years National Vulcanized Fibre Co., Wilmington, Del.



She Makes \$3,000 EVERY YEAR In Spare Time!

Mrs. J. A. Ross, of Los Angeles, says: "Although we own a beautiful home with three baths, and I have a husband and two children to look after, I have nevertheless managed to earn \$3000.00 a year for several years in my spare time and I surely appreciate what Process Lines meant to me and mine."

Other women who, like Mrs. Ross, have responsibilities on their shoulders, are also making large and constant increasing earnings with the nationally known Process and Business Christmas Greeting Card and Stationery Lines produced by this strongly financed corporation.

A Wonderful Part or Full Time Opportunity to easily earn from \$30 to \$60 a week in just spare hours to enable you to start making big money at once. No experience necessary, as we teach you how and tell you whom to sell, give you the same whole-hearted cooperation that Mrs. Ross received, and forward sample equipment by parcel post at our expense if you write me today.

We Furnish Everything Free including beautiful sample portfolio, complete instructions, stationery, business cards and every thing necessary to enable you to start making big money at once. No experience necessary, as we teach you how and tell you whom to sell, give you the same whole-hearted cooperation that Mrs. Ross received, and forward sample equipment by parcel post at our expense if you write me today.

Sales Manager Dept. 85 THE PROCESS CORPORATION Troy at 21st Street Chicago, Illinois

# QUEENS

NEVER ENJOYED BEAUTY AND  
CLEANLINESS SUCH AS THIS NEW WALL  
AND CEILING MATERIAL IMPARTS TO  
MODERN BATHS



Vitrolite is not alone for the elaborate and costly bathroom. Many builders of cottages and other inexpensive homes have found it within their reach.

No bathroom is too pretentious to warrant using a material other than Vitrolite. It has been employed by Josef Urban and other designers of the most expensive baths.



How the famous queens of history, with their palatial but none-too-sanitary baths of tile and marble, would have envied the greater beauty and cleanliness of Vitrolite! How they would have appreciated its colorfulness . . . and its porcelain-like surface that the mere stroke of a damp cloth keeps clean!

This new-day wall and ceiling structural material, which comes in slabs of various thicknesses, is utterly different from the porous, stain and odor absorbing materials heretofore used in bathrooms. It presents a fire-glazed surface which is absolutely impervious to liquids, moisture and odors. And it is so perfectly made that its joints fit snugly, thus making it impossible for anything to enter there.

Unlike older materials, Vitrolite will not scratch, check, craze or crack, nor will it ever grow dull. Even after a lifetime of service it will be as fresh and colorful as when installed.

Your personal bathroom, at least, deserves the beauty, sanitation and permanence which are combined to a higher degree in Vitrolite than in any other material. It is available in a variety of colors which strike the modern note . . . jade green, orchid gray, blue, jet black, ivory and white. If building or remodeling, mail the convenient coupon at once for color booklet containing illustrations of bathrooms, kitchens and other rooms done in Vitrolite. They range from the highly modernistic to the more conventional, therefore you are sure to find the suggestion you seek.

## VITROLITE

THE VITROLITE CO., Room 1178, 120 S. La Salle St., Chicago

### SALES REPRESENTATIVES

Akron Atlanta Baltimore Billings Birmingham Boston Brooklyn Buffalo  
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THE VITROLITE COMPANY  
Room 1178-120 South La Salle Street, Chicago

Please send me your new color booklet, "Vitrolite for the Home."

Name .....

Address .....

City .....

State .....



# PROMETHEUS

would be amazed

PROMETHEUS, the old Greek myth has it, stole fire from the gods and gave it to mortals. How mankind has harnessed and used his gift is a marvelous story of progress that reaches its climax in these three great Capitol Boilers.

Not in all the intervening centuries has such comfortable, such care-free, such thrifty warmth been achieved as these aristocrats in cobalt blue and cardinal red today offer to every home. The thirty-nine years' reputation of their makers backs your judgment in choosing the one that fits your needs. A responsible heating contractor near you assures proper installation. Write for his name and a free copy of "A Modern House Warming."

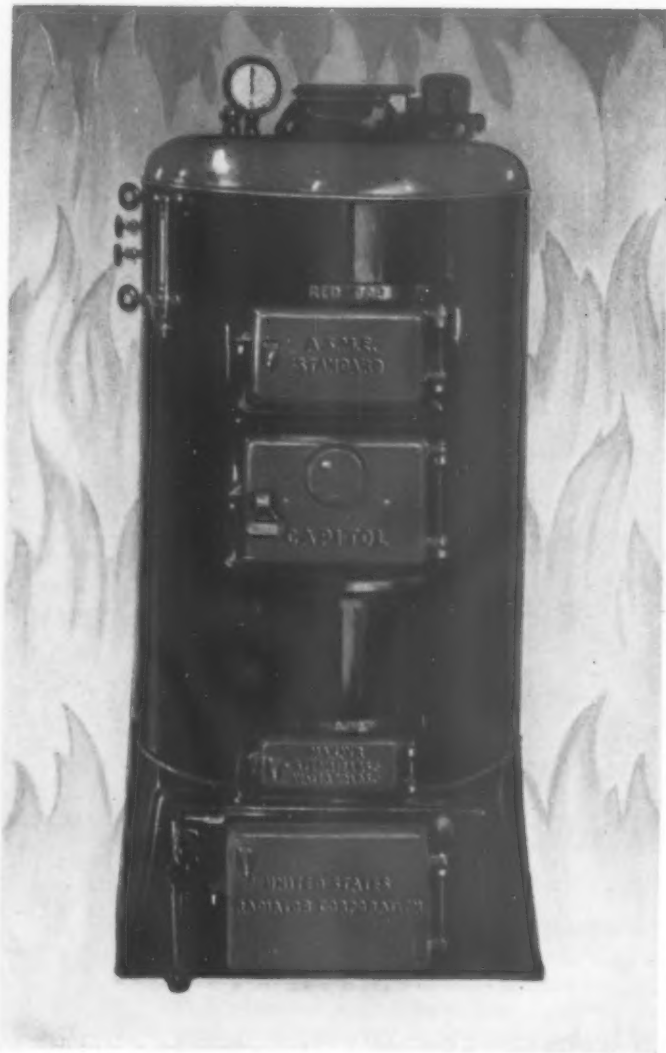
© 1929, U. S. R. Corp.

**UNITED STATES RADIATOR CORPORATION**  
DETROIT, MICHIGAN

8 Factories and 34 Assembling Plants Serve the Country  
For 39 years builders of dependable heating equipment

**THE PACIFIC STEEL BOILER CORPORATION**

Division of the United States Radiator Corporation, builds welded steel heating boilers for large installations—business buildings, factories, schools, hotels, and large apartments.



**The Capitol Red Cap**  
Embodies every improvement known in round boilers. A thick blanket of rock wool, the finest insulation obtainable, suggests its quality in every particular. For medium sized residences.

## Capitol Boilers AND RADIATORS



**The Capitol Red Top**  
This is, we believe, the finest square boiler yet achieved. Rock wool insulation. Staunch jacket in baked enamel. Vitreous enamel doors. For medium and large residences.



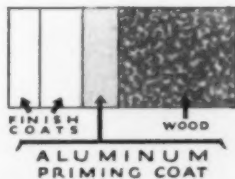
**The Capitol Red Head**  
To small houses, and bungalows this handsome heat-maker, with rock wool insulation, brings the advantages of radiator heat for little if any more than your second choice in heating.



# Proper Priming

*is the foundation of a lasting finish*

*for new work*      *for repainting*



This Aluminum priming coat seals the surface of the wood keeping out moisture and preventing the warping and checking that ordinarily would break down the finishing coats of paint.



REPAINTING a home that begins to show signs of dinginess and neglect should not be considered as an item of expense. It is an investment, paying big dividends in beauty and cleanliness . . . in increased property value . . . and in the rating accorded the home owner by friends and neighbors.

Thoughtful, far-seeing home owners realize this economic truth—and are insuring the investment feature of their painting jobs with a priming coat of Aluminum Paint.

The best of ordinary paints cannot resist the warping and checking of wood—caused by alternating moisture and dryness. It peels and checks *unless applied over a moisture-proof foundation.*

Aluminum Paint, used as a primer, is just exactly that. It puts an impermeable metal coating between

the wood and the weather. Shuts out the moisture and preserves the beauty and freshness of the finish coats long after the ordinary paint job would have broken down.

Both your architect and your painting contractor know why, and how, the use of Aluminum Paint as a priming coat prolongs the life of the paint you apply to your home. Ask them about it. They'll be glad to explain.

ALUMINUM COMPANY OF AMERICA  
2411 Oliver Building, Pittsburgh, Pa.  
Offices in 19 Principal American Cities

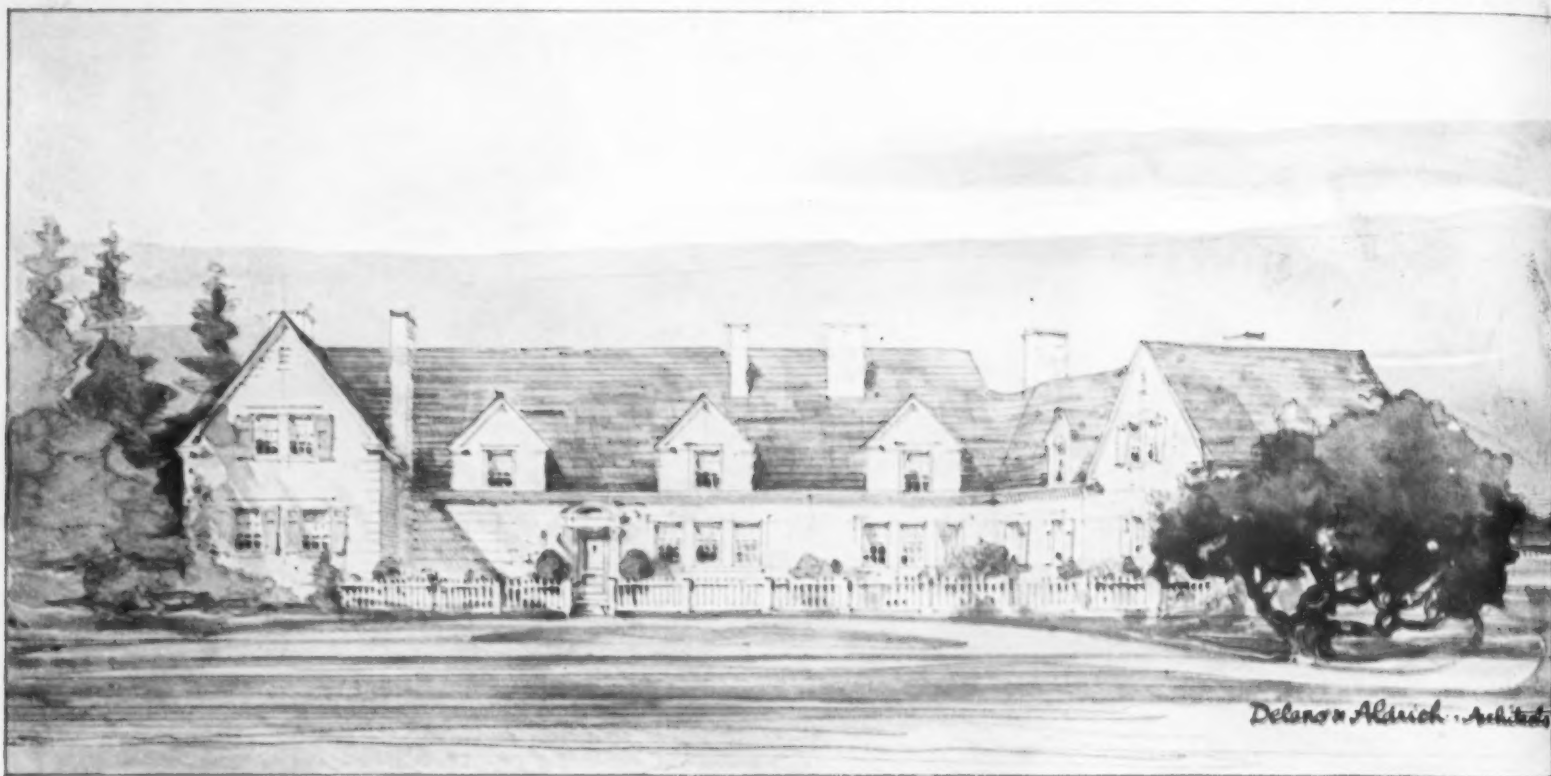


The pigment base for the better grades of Aluminum Paint is ALBRON made of pure ALCOA Aluminum. Your architect will probably specify a primer made of ALBRON mixed with a suitable vehicle. Good paint manufacturers, dealers, painting contractors are prepared to furnish it.

THE ART OF METAL PROTECTION  
**ALUMINUM PAINT**  
"IT LEAPS"

# This Famous Home

— shows new, beautiful color effects  
that cannot be secured with paint



The Summer Home of Ambassador Dwight Morrow, North Haven, Maine. Delano & Aldrich, Architects, New York. The roof of this house is covered with Cabot's Creosote Stained Shingles in rich and softly blended colors. The glowing, brilliant and lasting white on the walls is Cabot's DOUBLE-WHITE Collopakes.

THIS water-color painting shows the beautiful color harmonies that can be obtained *only* by shingles stained by our new patented Collopake Process. These colors behave like dyes, sinking so deeply into the wood, they cannot dry out, crack or quickly weather off, like old-fashioned paints and stains.

Cabot's Shingle Stains have always been made with genuine Creosote oil, refined by us, which has maximum wood-preserving value.

The only collopaked stains are Cabot's, and the only shingles stained with these

soft, artistic and permanent colors are Cabot's Creosote Stained Shingles.

For the exterior walls of Mr. Morrow's house, Cabot's DOUBLE-WHITE Collopakes are used. This is a brilliant, colloidal white, with great hiding power, so it is very economical to use.

The collopaking of DOUBLE-WHITE gives it a high "surface tension" which draws out all wrinkles and brush marks, leaving a surface so smooth that it looks like a matt enamel.

The coupon at left will bring you information of great interest and value. Sign and mail it today.

♦♦ COUPON ♦♦

Samuel Cabot  
Inc.

141 Milk Street, Boston, Mass.

Gentlemen: Please send me your book describing  
Cabot's Building Specialties

I am interested in (check which)

- Cabot's Creosote Shingle and Wood Stains
- Cabot's Stained Shingles
- Cabot's Quilt for Insulation

A. H. 9. 29

(Write name and address in the margin below)

## Cabot's

### Creosote Shingle and Wood Stains

and Cabot's **DOUBLE-WHITE** Collopakes

what a whale of a difference  
just a few words make



Yes . . .  
and what a whale of a difference  
just a few cents make

A definite extra price for  
definite extra tobacco-goodness

**fatima**  
C I G A R E T T E S



From an original photograph in natural colors.

## Give Color to Both Roof and Sidewalls Without Losing the Natural Beauty of Material

**T**HE WEATHERBEST process of staining 100% straight grain red cedar shingles retains the original beauty of nature's own building material and adds long life and color values.

They do not warp or rot and the colors are most enduring. There is seventeen years' experience behind the WEATHERBEST policy: "NOT TO CHEAPEN MATERIALS OR PROCESS TO MEET PRICE COMPETITION."

One of the many colorful homes with WEATHERBEST Roof and Sidewalls designed and built by Carl Anderson, Bridgeport, Ct.

You, who have seen beautiful pieces of antique furniture stained to bring out the grain of the wood, would not consider covering up their beauty with paint.

WEATHERBEST Stained Shingles are preserved against time and weather by a process which carries the finest color pigments with preserving oils into the very fibres of

Send 10c (stamps or coin) for Color Chart and Portfolio of full-color photogravures showing the use of WEATHERBEST Stained Shingles in actual colors on roof and sidewalls; also modernizing booklet, "Making Old Houses into Charming Homes." WEATHERBEST STAINED SHINGLE Co., INC., 2117 Island St., North Tonawanda, N. Y. Western Plant, St. Paul, Minn. Distributing Warehouses in Leading Centers.



If you have a home growing old, let our Modernizing Service Department make a sketch from photograph of the home to show how it can be modernized by laying WEATHERBEST Stained Shingles right over present sidewalls and roof. No obligation. Ask for booklet, "Making Old Houses into Charming Homes." Use coupon.

**Weatherbest**  
**STAINED SHINGLES**  
FOR ROOFS AND SIDE-WALLS

WEATHERBEST STAINED SHINGLES Co., INC.  
2117 Island St., North Tonawanda, N. Y.

Enclosed is 10c (stamps or coin) for postage and handling.  Please send WEATHERBEST Color Chart and Portfolio of Photogravures showing WEATHERBEST Homes in full color, some with their plans.  Also enclose book on Modernizing and Reshaping old homes.

Name .....

Address .....



"AZA"  
Sealex Straight-line  
Embossed Linoleum  
No. 3511



"ALPS"  
Sealex Straight-line  
Embossed Linoleum  
No. 3502



"ZARA"  
Sealex Straight-line  
Embossed Linoleum  
No. 3509

# The **STYLE and INDIVIDUALITY** of hand-laid tile

A charming "hand-made" look about these floors—a delightful originality! You picture some old-time artisan carefully laying each separate tile in place. Hard to realize that this is such a modern material as *Sealex Embossed Inlaid Linoleum*—that these tiles are not hard but afford instead a quietness and velvety ease underfoot.

An exclusive manufacturing method prevents the colors in the raised tiles from blurring over into the gently depressed mortar joints—giving a clean-cut realism not found in any other embossed linoleum.

And there are fascinating details which cannot be seen in these small swatches. The different colored tiles are arranged with that artful carelessness so characteristic of old-world floors.

And this, please remember, is *Sealex Linoleum*—with every tiny pore sealed tight against dirt and spilled things by the ingenious *Sealex Process*. A minimum of care keeps these floorings clean. An occasional light waxing preserves the rich lustre of the colorings.

CONGOLEUM-NAIRN INC. Gen'l Off.: KEARNY, N. J.  
New York Philadelphia Chicago San Francisco Pittsburgh Boston  
Detroit Minneapolis Kansas City Dallas New Orleans Atlanta



"PASHA"... Sealex Straight-line  
Embossed Linoleum No. 3510, shown  
with one of the distinctive, Sealex  
Linoleum Border Assemblies.



"ABBEY"  
Sealex Straight-line  
Embossed Linoleum  
No. 3507

**M**OST better class department, furniture and linoleum stores sell *Sealex Linoleums*. There is a type of *Sealex Linoleum* suitable for every flooring need in home, office, store or public building—from delicately-veined marble patterns to the most conservative of solid-color effects.

**A**LL *Sealex Linoleums* can be readily identified by this shield which appears every few yards right on the face of the goods.



# SEALEX LINOLEUMS

Stain-proof - Spot-proof - Easily cleaned

**JULIUS GREGORY**  
*has designed this Brilliant Sun Room*  
 to express the decorative  
 interest of **REAL TILES**



*In this radiant sun room by Julius Gregory, Ceramic Tiles, in rich blues and greens, gleam iridescent in the sunlight from floor, from window recesses; from doorway arch and wall niche*

FOURTH OF A SERIES of distinguished rooms designed with Ceramic Tiles... by America's leading architects



Who would not welcome the sun in a room so beautiful, so radiant with color?

Here, Ceramic Tiles in rich blues and greens heighten the cheerful spirit of the room and form a perfect decorative foil for the plain, tinted walls.

All day long, in the changing light

of the sun room, Ceramic Tiles contribute interest, variety, and contrast. In bright sunlight they display a lovely, unexpected iridescence — in shadow, their colors deepen.

What other decorative medium so successfully creates the atmosphere you strive for in the sun room — making it a place of simple beauty, at once restful and invigorating? Architects, realizing the appropriateness of Ceramic Tiles, more and more are using them for these many-windowed rooms where sun and

light have free play. And there are equally fascinating possibilities in Ceramic Tiles for other rooms in your house.

Let us send you — free — our illustrated booklet, *Enduring Beauty in your Home through Ceramic Tiles*. It will give you many interesting facts and suggestions about the new ways in which Ceramic Tiles are being used in beautiful homes throughout America. Write to us today!

ASSOCIATED TILE MANUFACTURERS  
 Dept. A-9, 420 Lexington Ave., New York, N. Y.

K E R A M I C T I L E S



*A small Spanish house at Atlantic Beach, L. I., New York. Bernhard Muller, Architect. Roofed with IMPERIAL Mission Tiles*

## SMALL DWELLINGS CAN NOW BE ROOFED WITH TILES

*at a cost no greater than that of a short-lived, non-fireproof roof*

No longer is it necessary that the builder of an inexpensive home should be denied the greater beauty, protection and permanence of a tile roof.

For there now are IMPERIAL Roofing Tiles which cost no more than a commonplace roof of short life and no fireproof qualities.

Insurance companies recognize the fire-resisting qualities of tiles by granting a reduced rate on residences roofed with them. This, together with

their traditionally long life and freedom from repair expense, makes them the most economical roofing material you can choose.

If building a home of Spanish, Italian, French or English architecture, it is important to remember that tiles are the *appropriate* roof. There are IMPERIAL Roofing Tiles to harmonize with all these types of architecture, and all are authentic replicas of those used abroad. Write for literature.

### LUDOWICI-CELADON COMPANY

*Makers of IMPERIAL Roofing Tiles*

CHICAGO: 104 SOUTH MICHIGAN AVENUE

NEW YORK: 565 FIFTH AVENUE

WASHINGTON: 758 FIFTEENTH ST. N. W.

FOR INFORMATION CONCERNING YOUR ROOFING PROBLEMS, ADDRESS DEPT. B-9, 104 S. MICHIGAN AVENUE, CHICAGO

# INSULITE

*the Wood-Fiber Insulating Board*

FULL ½ INCH THICK—MEANS  
**12<sup>1/2</sup>%** MORE  
**EFFICIENT**  
**INSULATION**  
 THAN ORDINARY 7/16 INCH BOARDS

**T**ODAY, insulation is accepted as a necessity for every modern home. The important thing is choosing the one insulating board giving most for your money.

If you base your choice on facts, you will want Insulite. For Insulite—a full ½ inch thick—by scientific laboratory tests is 12½% more efficient as an insulator than ordinary 7/16 inch boards. You can prove this for yourself by making the simple home test shown on the opposite page.

Authoritative laboratory tests also show the much greater tensile strength of Insulite compared to ordinary insulating boards. Insulite is an all-wood product, chemically treated to prevent deterioration.

When you sheath your home with Insulite you have several times the bracing strength of lumber. When you plaster over Insulite you have twice the bond of wood

lath and plaster. Plus, of course, the added protection Insulite gives against heat and cold.

To use Insulite is genuine economy. The large size units cut labor costs—sometimes as much as 50%. The wind and water resistant qualities of Insulite eliminate the need of building paper. Because Insulite replaces non-insulating materials, it is economical even in first cost.

Your interest in the size of your fuel bills; your interest in the comfort of your family both winter and summer, demands that you get the efficiency which Insulite gives. Whether you are building a new home or remodeling your present home, you can use Insulite to effectively shut out the elements.

Architects and dealers everywhere know the advantages of using Insulite. Ask them—or better still, write us today for a copy of our booklet, "Increasing Home Enjoyment," and a free sample of Insulite to test for yourself.

PROTECTION  
 AGAINST  
**COLD AND HEAT**



**SHEATHING**

**PLASTER BASE**

**WALL BOARD**

**ROOF INSULATION**

**SOUND DEADENER**

**ATTIC LINING**

*Insulate with*

**INSULITE—FULL ½ INCH THICK—RESISTS HEAT—COLD—NOISE**



# Before building or remodeling - make this simple test yourself

The Primary Requisite  
of any Insulation  
is its efficiency as

*A Non-Conductor  
of Heat or Cold—*



**I**F YOU want the most for the dollars you spend for insulation, try this simple home test *before* you buy. Switch on your automatic electric iron. Place a cube of ice on a piece of Insulite and put it over the hot iron. With your watch, check the time it takes for the heat to penetrate the Insulite and melt the ice.



**A SIMPLE  
INSULATION  
EFFICIENCY  
TEST.**

Then, make this same test with other insulation boards. See for yourself why we say Insulite gives you 12½% more efficient insulation than ordinary 7/16 inch boards.

Because Insulite replaces non-insulating materials, its cost is but little more than ordinary construction.

**THE INSULITE COMPANY**  
1208 Builders Exchange, Dept. 13  
Minneapolis Minnesota

# INSULITE

*the Wood-Fiber Insulating Board*

# Te-pe-co Bathrooms in Color



**T**HE utmost in sanitation. The utmost in charm of design. And now the utmost in beauty of color! Surely, with so much to recommend them, there is little wonder that a nation-wide enthusiasm for Te-pe-co Vitreous China and Porcelain Plumbing Fixtures grows greater every day.

Architects, who plan the finest of homes and owners who occupy them, are making the most of the popular color trend with products of Trenton

Potteries Company manufacture.

The beautiful bathroom above serves to illustrate but one of the many distinctive variations made possible by Te-pe-co Fixtures.

Makers of Te-pe-co Fixtures—and users of Te-pe-co Fixtures—are not satisfied with color *only*, but *only color at its best*. And *all* Te-pe-co Fixtures, *white or colored*, carry the same guarantee of quality and durability.

## THE TRENTON POTTERIES COMPANY

Trenton, New Jersey, U. S. A.

National Exhibit Rooms  
101 Park Ave., New York City  
Entrance on 41st Street

Export Office:  
115 Broad St., New York City

Sales offices in  
Philadelphia, Boston  
and San Francisco



### Our Guarantee

The Trenton Potteries Company makes but one grade of ware—the best that we can produce—and sells 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 this Company and is your guarantee that you have received that for which you have paid.

A copy of "Bathrooms of Character" Edition B—together with color chart showing the various tints and grainings of Te-pe-co ware, will be forwarded upon receipt of 10c in postage.

# TE-PE-CO

All Clay Plumbing Fixtures



**New homes over old**  
Used over your present weather-boarding or wooden shingles, Genasco Latite Shingles add new and lasting beauty to your home. It saves painting every few years and gives extra protection.

# “What a beautiful new roof!”

**Lasting colors and unusual protection  
-- with an extra economy in re-roofing!**

**L**OOK where you will—inside the home and outside—color, gorgeous color, livens up everything. Take the outside—how much a colorful roof has to do with beautifying the home! What charm to a roof of Genasco Latite Shingles with their attractive colors!

Rich warm red, cool sage green, blue-black and the harmoniously blended Mix-Tone—all offer you a delightful choice of color. And there are so many beautiful effects possible by using the different colors in combination. No matter which colors you choose, you have a roof that retains its beauty—non-fading, never requiring staining or painting.

But Genasco Latite Shingles have

more than beauty to recommend them. They are serviceable as well—water-proof, weather-resistant, fire-retardant, long lasting. Economical for new buildings—extremely economical for old. In re-roofing Genasco Latite Shingles are laid right over the worn-out roof—their distinctive design and construction make them particularly suitable for this purpose. No dirt and expense of ripping off the old roof—and left on it serves as additional insulation, making your home cooler in summer and warmer in winter.

Not only are Genasco Latite Shingles made of tough, long-fibred asphalt-saturated rag felt, but they are coated on both sides with Trinidad Lake

Asphalt Cement. That seals the saturant in the shingles, prevents them from deteriorating, and insures long service. And Trinidad Lake Asphalt Cement—used exclusively in Genasco Shingles—is in itself noted for its weather-resisting qualities. It is made from Trinidad Lake Asphalt—a water-proofer produced by Nature—used the world over as a street-paving material for more than a half-century.

You owe it to yourself to find out all about Genasco Latite Shingles before you roof or re-roof. Use the coupon—mail it to us today—and we'll send you full information together with the name of the nearest concern to give you an estimate of cost.

## The Barber Asphalt Company

New York  
Pittsburgh

St. Louis

Philadelphia

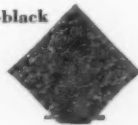
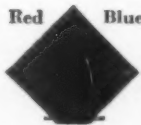
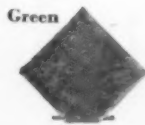
Kansas City

Chicago  
San Francisco

Green

Red

Blue-black



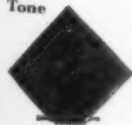
# Genasco

Reg. U.S. Pat. Off.

# Latite Shingles

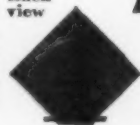


Mix-Tone



The front views of the Genasco Latite Shingles show the attractive non-fading colors. The back view shows the “key” that locks each shingle tightly to those underneath. This is the patented feature—invisible on the completed roof—that makes Genasco Latite particularly suitable for use over old roofs and keeps the completed roof storm tight.

Back view



THE BARBER ASPHALT COMPANY  
PHILADELPHIA A.H.-9

Please send me, without obligation, full information about Genasco Latite Shingles, and name of the nearest concern which will furnish estimate of cost for roofing or re-roofing my home.

Name.....  
Address.....

*"And the night shall be filled with music,  
And the cares that infest the day  
Shall fold their tents like the Arabs,  
And as silently steal away."*



## Someday You'll Know...

— that lighting fixtures make or mar the appearance of a home.

— that atmosphere, beauty, and home-comfort depend to a large extent upon lighting fixtures.

— that it pays to select your lighting fixtures with care.

This is a perplexing age. There are many distracting influences when building or modernizing a home. Don't think you CAN'T make mistakes — you CAN!

Play safe — to assure lasting satisfaction in your home, insist upon Moe-Bridges Lighting Fixtures.

Correctness of style, sturdiness of construction, and quality of finish have been built into every Moe-Bridges fixture by master craftsmen.

And the Moe-Bridges UNLIMITED GUARANTEE positively insures permanent satisfaction.

That's why more than two-thirds of the fixture dealers in the United States handle Moe-Bridges Lighting Equipment. That's why thousands of women the country over are deriving increasing enjoyment from their homes.

Moe-Bridges offers an infinite variety of designs from which to select fixtures which are particularly appropriate to the personality of your home.

There's a Moe-Bridges dealer near you. Ask us for his name.

MOE-BRIDGES COMPANY  
DEPARTMENT A-99, MILWAUKEE, WISCONSIN

# MOE-BRIDGES

ARTISTIC LIGHTING EQUIPMENT

Be sure the Moe-Bridges  
Guarantee tag is on every  
fixture you buy.



200-K-5



281-K-2

Therefore

## This Is Not A Bed-Time Story About A Day-Time Boiler

(It's Just Plain Everyday Common Sense)

LET'S cut out all the frills, all the fairy tales, all the all-front-and-no-back about this something you call "the heating question." Let's be a bit old fashioned, and allow two-and-two-to-make-four once again, as a guide in helping your decision.

If you are a woman, no one knows better than you, that painting flowers on the handle of an egg beater does not make the cream whip any quicker.

If you are a man, you know full well that gaily decorating your lawn mower's handle, or enclosing its innards in sound-proof casings, has nothing to do with the grass it will cut.

Both of you, therefore, can but agree that dolling up a boiler in tailor-made jackets in color has not a thing to do with the cosy comfort heat that ought to be in your bathroom winter mornings. About all such jackets do is put on looks. Looks are all right, but let's not mistake it for performance.

Admittedly, below is a "photo from life" of a Burnham Boiler all dolled up in "gladsome rags." But strip off all its gladsomeness and you'll find the same everyday-common-sense-contentment-giving Burnham it has always been. The same long fire travel that has made such short coal bills. The same dependable, easy working, good natured Burnham, "unspoiled by clothes."

You may, if you wish, have it without all its gladsome rags. Have it in either the round or square shape. There seems to be a feeling that for the average home the round boiler has something to be said in its favor.

But be that as it may, why decide one way or the other; for this boiler or that; until you have the essential comparative facts before you.

Not, mind you, the usual, dreary, boilerish ones. But just the sort of ones you and your neighbor might exchange, if one of you knew more than the other about something.

All of which you'll find is found in "Letters To and Fro." It's a book based on the letters of eight people about their own heating equipment. Letters giving their strong points, and anon a bit about some that are downright weak. Am not so sure but that the weak ones are the strongest. They unquestionably point out what to avoid.

So if it's the everyday, common-sense side of heating you are interested in, we will be glad to send you this "Letters To and Fro" book. Or answer any query you may have. In any event, it's Cosy Comfort Heat we want to help you have, not just sell a boiler.



**Burnham Boiler Corporation**

IRVINGTON, N. Y.

Representatives in all Principal Cities of the United States and Canada

BURNHAM BOILER CORP., IRVINGTON, N. Y.  
Please send me the "Letters To and Fro" booklet  
and anything else you think I ought to have.  
NAME .....  
ADDRESS .....

To keep a slender figure  
*No one can deny...*



*Reach*  
for a  
**LUCKY**  
*instead of a*  
*sweet*



**"It's toasted"**

No Throat Irritation - No Cough.

