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There is a touch of the divine. Our drab lives may be brightened and sweetened with a final harvest of the garden. 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, Garden Pink, Shasta Daisy, Zinnia, Four-o'clock, Pansy, Canterbury-bell, Poppy, Stock, Marigold, Verbena, Lilac, Shasta Daisy, Zinnia, Four-o'clock, Pansy, Baby's-breath, Cosmos, Sweet William, Aster, Babysbreath, 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. The garden gentry—Rose, Peony, Iris, Gladiolus, Dahlia, and all the tribe of Lilies; little garden folk that love the ground—Candy-tuft, Portaluc, Forget-me-not, Mignonette, Sweet Alyssum.

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

The gay pageant marches past our windows from frost to frost. 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. We 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.

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 Pondosa?"

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.

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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.

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

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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 wapum fires.
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

POWERED 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 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 maple testifies 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. While 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” 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

Good materials and workmanship will save money and worry

GERALD LYNTON KAUFMAN

THE 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.

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 Holiday Costain)
Facts to remember when buying property

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

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 accidental 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,
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 cubic content is 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 clap-boarded 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.
More 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 formula 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—comfortable 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, but...
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

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 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 the wall seem very flat, cause the wallpaper 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

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 richness 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, Martigues, 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 ingenious 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 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.

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

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. Among the better cattle this climate is 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, distinctive. 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 740)
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 have been closely followed as have the pigeon lofts above.

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.

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 American Home

FARMHOUSE CHIMNEYS
OF AUVERGNE.

AN AUVERGNE CHAIR.

CHARACTERISTIC
FARM-WINDOW.

CURVED-PIECE
& ESCUTCHEONS
OF FORGED-IRON.

WARDING PIN.

CUPBOARD-HINGE
& ESCUTCHEONS
OF FORGED-IRON.

WOOD VALENSES
OVER BED.

ALCOVES

A BED ALONE.

KITCHEN ALCOVE.

RIDGE CROSS
OF STORE.

A FARM-HOUSE
DOORWAY NEAR MURAT.

A CRADLE & A CLOCK
FROM THE CATAL MOUNTAINS.

A TYPICAL LIVING-ROOM PLAN
OF OLD AUVERGNE FARM-HOUSE.
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 Cossé, Ltd. The chair (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 & Simonds Co.
In the bookshelf 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.

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.

The American Home
Furniture of the French provinces

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

HENRY HUMPHREY

In 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 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 fraileños 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 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, make it somewhat gayer 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

The 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 boxspring 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 the 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."

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

Margaret Harmon

Photographs by courtesy of Simmons Co.
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., Heartstone Furniture Co., and Bloomingdale’s 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 repainted, 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

ELIZABETH HALLAM BOHN

In 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 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, exalting 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 allocates 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 be seen.
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.

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 biggest 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)
Bringing your heating plant up to date

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

H. VANDEROVERT WALSH
Assistant Professor of Architecture
Columbia University

In the milder days of winter, the heating plant gives out just as much steam as is needed under these extreme conditions, you can understand why it is that, when the thermometer hovers around 30 and 40 degrees outdoors, the mayor not realize how uncomfortably hot the cold conditions, you can understand why it is that, when the thermometer hovers around 30 and 40 degrees outdoors, the mayor not realize how uncomfortably hot

The 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 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.

The American Home

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 fed type, and it is entirely automatic in operation. The fuel

(continued on page 75A)
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. Pouring 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 heads. For opening cans, this device is adjustable to any size.

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

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.

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Photographs by F. M. Demarest

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

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

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

It 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).
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.

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 152)
MANY 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 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...
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 hardness 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.

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 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)
Catching the judge's eye

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

DERRILL W. HART

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.

The 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 764)
Why doesn't that tree bear fruit?

Maybe it's simply a question of planting a companion tree

FREEMAN S. HOWLETT
Associate Horticulturist
Ohio State Experiment Station

In 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.

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

Certain 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

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.

Bluegrass 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. Soil acid for weeds, our weed problem is much simplified if we have a Bent lawn.

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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 naive 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.
Green carpets for the old earth

Effective plants to fill the voids that invite weeds

ANNE HIGGINSON SPICER

WHILE 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 exquisite grass-green velvet, sometimes almost as large as those of their cousin, the 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 the strange wooly-throated maroon flowers. I wonder that it appears in almost no seedsmen’s catalogue.

The Dicentra makes another enchanting 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 736)
REAL burnt clay tiles made in Cleopatra's time are found even today with their beauty undimmed. While you are not interested in the appearance of your tiles thousands of years hence, you are interested in how your floors and walls will look ten or twenty years from now. And for enduring beauty there is no substitute for Pardee real keramic tiles.

This Pardee tiled bathroom has a floor of robins egg blue, a green bath with a swan border and orchid walls and shower.

Throughout your home you can have distinctive beauty and lasting satisfaction with Pardee tiles. Their exquisite quality is due to the exclusive Pardee high temperature burning and special screening process. A gorgeous array of beautiful colors, perfect textures and charming designs await your selection. Be sure to mail coupon today.

THE C. PARDEE WORKS, 101 Park Avenue, New York City

☐ I enclose blueprint with contemplated tile installation marked.
☐ Please send me free color sketch.
☐ Send me your free brochure on tiles for home installations.

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Address

PARDEE REAL KERAMIC TILES

September, 1929
Two mountain shrubs for the garden

Evergreen Mountain Laurel and Rhododendrons bear showy flowers in the spring

C. F. GREEVES-CARPENTER

Most 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 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 738)
Once upon a time,

the primitive image of the pine tree marked America's first silver coin as sterling

How quaint... to find that the Pine Tree Shilling inspired today's most interesting design in solid silver!

And... linking the new with the old... on the back of each piece is a reproduction of the pine tree which appeared on that historic old coin... a symbol that still says, "Here is silver that is worthy—solid—genuine through and through."

"Once upon a time..." Any hostess who possesses Pine Tree will delight in relating its story to her guests.

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.

With it will come the Pine Tree booklet, giving Pine Tree's charming history. Send 30c—a fraction of their actual cost—for both.

International Silver Co., Meriden, Conn.

Enclosed is 30c for which please send me "Correct Table Silver" and Pine Tree booklet.

Name:

Street:

City State: 
For HIDDEN HEAT
In The Small House
ROBRAS 20-20 Radiators

THE smaller the house, the less space there is to be wasted. Obviously, that is why one finds more and more well-thought-out small houses with ROBRAS 20-20 Radiators in the wall, out of sight, and, more particularly, out of the way.

With the elimination of radiators in front of each window the best space in the entire room is made available. Curtains can be hung straight from valance to floor. Furniture can be arranged as close to the window as desired.

These are the only radiators made of brass that are designed to fit in the four inch space between your inner and outer walls.

Facts about ROBRAS 20-20 Radiators can be had from our book "Proof of the Pudding." A copy will be sent to you when we have your name on the coupon below.

ROME BRASS RADIATOR CORPORA TION
1 East 42nd Street
New York

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 lustre, 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. Patterson'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 etched 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)
Charming Interiors

REVEAL TRUE BEAUTY OF WOOD

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

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.

Nothing can replace the lustrous beauty of wood floors. Or the quaint charm of wood-framed windows and paneled walls.

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.

“American Standard Lumber from America’s Best Mills” is now available grade-marked and trade-marked as well as unmarked.

If you want ready assurance of standard quality, look for the mark of the expert grader plainly stamped on each board.

When the “Tree-Mark,” shown here, is also stamped on the board, it signifies the guarantee of the National Association that the lumber is correctly grade-marked.

“Tree-Mark” lumber can now be had in every species. Inquire of your local dealer. If he cannot supply you, write us and give his name and address.

Write or send the coupon below for free booklets on new uses of lumber.

(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.
700

Yes, modern — also the finest window screens you can buy

A Colonial hunting lodge in Westchester
Continued from page 698

Rolscreens

Exceptionally fine window screens carry this trade mark. Rolscreens hold the important patents essential to the perfected modern rolling screen.

Illustrated
Rolscreen booklet sent on request

Rolscreens are different from all traditional ideas of window screens. They are built in with the windows. They roll up and down. When up they completely disappear and are protected, which means they are not taken down in the fall for storage or re-hung in the spring.

The special electro-plated "AluminA" wire is woven to our own specifications and is the finest made — a most beautiful wire.

Such alluring performance inspires confidence only through the maintenance of the highest standard of quality and craftsmanship in Rolscreen manufacture. Those who shun substitutes will insist upon Rolscreens. Send for illustrated booklet.

Rolscreen Company
270 Main Street
Pella, Iowa

...building priceless reputation for outstanding leadership in the production of fine window screens

Continued from page 667

Facts to remember when buying property
Continued from page 657

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 noticed 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, the 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, she 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 court 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 hastily assumed that the deed conveyed good title, and that any outstanding dower claim 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 not at any time owned the property. She had taken his name and had obtained a divorce from her first husband. There had, in fact, been a divorce and a first wife, but she was dead.

In this particular case, a 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...
Reflecting the Culture of the Home

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.

Many people, however, do not realize that certain brands of oak are more beautiful, more distinctive than others. There is the same difference in the quality of oak flooring as there is in the quality of rugs. Ritter Appalachian Oak Flooring reflects its excellent quality in a grain of surpassing beauty ... a texture velvet-like in appearance!

You'll naturally prefer this latter type, so be sure to ask your architect to specify Ritter Appalachian Oak Flooring. Superb quality and refinement for every room -- a uniform expanse of mellowed loveliness!

W. M. RITTER LUMBER CO.
Largest Producers of Appalachian Hardwoods
General Offices: Dept. A.H. COLUMBUS, OHIO
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 for 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 worth a place as a way 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 overlooked a defect in your title, you may recover damages from him. But a lawyer does not insure that there is a defect that you did not know about. Without reasonable diligence he could not have discovered, he is not in any way responsible for the defect. And even then, in a few years later you have a claim against your lawyer, it may be as difficult to collect as a claim against your vendor.

On the other hand, if a title company, which is organized under the insurance laws, insures your title, and is responsible for every circumstance, it is impracticable to secure a title policy, and its solvency is protected by the stringent laws under which title companies operate. In some cities, such as New York, where title companies are common, many lawyers refuse to search titles and advise their clients to have title company insurance. If you are buying a house and find it occupied by a person other than the person from whom you are buying, you must examine the property, and discover all the encumbrances, such as mortgages, contracts to buy, easements, or leases, and you will have precedence over your vendor, even if he is not recorded.

There is no need todrag and tug at furniture that must be moved often. Almost, they roll heavy furniture smoothly across the floor, leaving never a mark as they go. There's a right size and a right type for every piece of furniture. Upstairs and down, heavy or light, ask your hardware dealer for them. Get them in place and you'll wonder how you ever got along without them.

If you want more details, just clip the coupon and send it to us. You'll find the floor-protection booklet well worth reading. Shall we send it?

Bassick Casters

The BAScK COMPANY, Bridgeport, Conn.

You may send us the illustrated new service booklet which tells you how to use Bassick Casters and NoMar Rests

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The American Home

Sept
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.


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.
Sawyer jotted down 4 points of Newport heating—

and I was sold!

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 8 years has taken 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 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 MikeURN 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

When you select a heater for your home, keep 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 MikeURN heating comfort at lowest cost. Use the coupon below. It's for your convenience.

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

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 knotholes 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 builder, 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 heating, 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 can be 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 laid in the various rooms.

As it seems to be with nearly all the good things of life, lower-priced grade 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
   c. Fir

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 pocket must be considered coincidently. 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, 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. Floor-laying 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 annual rings, and have a nice grain and a more uniform quality.

Commercial 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 ends so that two adjoining ends do not lie 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)
In 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.

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.

~reproduced for modern homes~

Early American
Built by
STICKLEY
OF FAYETTEVILLE
Floor construction and floorings

Continued from page 718

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.

Flooring, 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 his name 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 stains, 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-scrapped, well sandpapered, and, above all, kept clean.

The usual floor finish is a coat or two of stain, two coats of white shellac over it, and then wax. There are 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 as 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 seventeeneighths 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. That is why we consider parquet carpet unless we have a smooth, level, finished floor upon which to apply it. It is of course cheaper and lighter than any 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 strips of maple or oak, with little or no extra cost, made by a carpenter. Some borders are made of pine as well, and as much as possible by the plumber and steamfitter. The subsequent differences are made by the carpenter and are considered among the rules of the national association "clear grade." A flooring specification should also mention which rooms are to have borders, and how these are to be made. The simplest border consists of six strips of maple or oak, with little or no extra cost, made by a carpenter.

A somewhat similar idea is the oak flooring that is sanded, filled, and polished. It is 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 subfloor. The strips themselves are grooved in such a way that the nail holes do not show when the floor is laid. The result is a smooth, handsome floor that can be laid at any time of the year.

Choosing fences that are fitting

Continued from page 694

to extend rather than to confine the property.

For the city dweller who would give his backyard a somewhat rustic air, groups of cut chestnut saplings are both attractive and practical. Rusticity, imported by these uncut saplings, 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 wider 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, and combination fences. For the sake of completeness, mention will be made of any two (continued on page 719).
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.
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 such 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-resistant metal, it neither sags nor sways, and it makes an ideal trellis for ramblers roses, ivy, honeysuckle, or other vines. Behind this beauty lies safety in the children’s playground. 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 orders. Doting effects may be achieved by an openwork fence in the form of the picket fence, known as the picket fence.

Another variation is the insertion of stucco panels in oval or other contrasting forms, so that, in effect, it is as if the wall, the brickwork forms arches between which gray stucco panels lie. Sometimes bricks are used instead of stucco, and the colonists in America made use of stones that they found lying about the fields. We find old Colonial houses the exterior of New York, New England, 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 those old fences; they were set by piling, and where an extra fill 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 stone for an atmosphere of Colonial times, but the wooden fence with its variations may grace all these atmospheres, and more. There are nearly as many kinds of wooden fences as there are trees, each on 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-resistant 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, acorn, pineapple, or other shapes, indicating the comment of the critics by showing that this rather ordinary-looking fence achieves 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. Extradimensional, it consists of six-foot pickets standing about fifteen feet apart, so that the top fence line comes in a series of inverted curves. The height of the fence is only about four feet. Pink ramblers climb from both inside and outside and shelve against the freshly painted white boards.

In the old country, known as Spanish Spindles, places the wide slats only a half inch or so apart. Conventional figures and patterns are cut, and the spaces may be given a contrasting color, so that an openwork design is formed. A sort of imagination and as agile a jigsaw 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 kind of picket fence wherein the rails and pickets are interwoven horizontally between uprights eight or ten inches apart. It is useful to guard new plantings and to serve as a background for gardens. That it is non-transparent makes it valuable for use about the house or parts of the house. Variations in the height and top line, and the variety of railing, are fitting.

Most attractive, and rapidly gaining in popularity among the non-transparent barriers are the tall interwoven screen fences of cleft chestnut saplings. Besides being artistic in their rustic appearance, irregular topology, and charmingly quaint gate, 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-rail, and board fences, which are fitting in each section. This diagonal feature makes the fence particularly visible, hence valuable for enclosing paddocks and pasture lots. The other is the old-fashioned, irregular snake fence whose zigzag bars of rough hewn timbers wind so charmingly through many of our country sides.
COMFORT? I never knew real comfort until I got this MATTRESS and SPRING, says

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."


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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**

The 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 beauty, durability and washability herebefore 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 DuPont, one of the most effective woods and wear resisting finishes known to science, it is far heavier in weight which makes for greater washability and longer life.

**Rate 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 impregnated with the same basic substance that accounts for the durability and washability of the famous du Pont Duco. Consider 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 71 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 15, 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.

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**Conserve Smartly Figured and in Plain Colors**

**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 aesthetic 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, according to the 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 design work 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 poles 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 the four-foot opening. The opening forty-eight inches wide needs no more than thirty inches of height, though three or four extra inches are sometimes coveted for greater ease in throwing on the firewood or for more pleasing proportion.

To-day's fireplace also includes the standard lengths of commercial firewood—twenty-four, sixteen, and twelve feet. 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.

**The American Home**

Sept

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**The WASHABLE WINDOW SHADE**

Follow these details:

- Measures from top to top, including metal pins. The good stick.
- Measure width of shade you wish to replace with the Tontine shade. Measure tip to tip, including metal pins at ends of roller (see diagram above.) Measure also length of shade mounted. Specify which color is wanted: White, Grey, Orange or Green. Fill out coupon fully. Pin $1.00 to coupon.
- (This offer closed December 15, 1929).

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**Gordon TONTINE**

THE WASHABLE WINDOW SHADE

Follow These Details:

- Measure width of shade you wish to replace with the Tontine shade. Measure tip to tip, including metal pins at ends of roller (see diagram above.) Measure also length of shade mounted. Specify which color is wanted: White, Grey, Orange or Green. Fill out coupon fully. Pin $1.00 to coupon.
- (This offer closed December 15, 1929).

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**Accept test shade for your home . . . note coupon**

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**The American Home**

Sept

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**Formally** the construction of the smoke chamber itself was on the lap of the gods. It may have been some remote ancestor of the modern flat smoke shelf to catch the currents flowing down the chimney and deflect them again into the updraft of air. Today the 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 side, acts as a perfect smoke conductor for 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 out of which cold air, which is heated with the double walls of the form and delivered again into the room through another outlet. A powerful blower 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 graceful circulating stream out into the room.

In direct contrast to these devices which take air from outside, the perfect fireplace calls for the super-heated amount of hot air. Consider what this means. Not content with beauty of frame and a perfect smoke conductor for the modern open fire, science has developed with 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 for the proper adjustment for 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.
"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.
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 wondrous 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 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.

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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.

READING IRON COMPANY, READING, PA.
The Complete Life and Letters of MYRON T. HERRICK

BUSINESS—POLITICS—DIPLOMACY

will soon be published as a $5 volume. Enjoy them in advance as only one feature in the next 6 months of World's Work for only $1.


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 "fada-graph" test the manufacturers themselves have instituted. This will bring the quality of paper and paperers 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 bed-linen which sound a distinctly contemporary note. There are new designs to meet every requirement.

Dainty Jacquard patterns 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.

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 look well with a soft-beige mattress.

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 nursery 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 mattress coverings is a rayon and cotton weave that gives a luxurious silky effect.

The pattern is, of course, woven in several colors and in two-color combinations, 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 ornament 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 nursery 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.

WORLD'S WORK regular subscription price $4.00 per year
THE 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.
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 and fear is unnecessary. Such fear is unnecessary. 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. All winter long, stag-gering air is warmed, automatically humidified, and sent, with equal pressure (by the automatic blower), to every room in the house.

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.

Modern skeletons in the closet

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 chints or portieres will serve for a graceful cover. There are many, many homes in which three of these beds in reserve, a house guest is never inconvenient, when limited space swings around a single three-foot bed. The saving of the thirty-four square 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 their dollar and devise ways of keeping their beds at home, than are they who pay beds of cheap construction and toss restlessly upon hard, inadequate springs, their problem 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. These 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 secure an article so "hefty" as a bed, there is simply no limit for the imagination as to what may be done with other furnishing, up to and including the kitchen stove. The bashful retiring closet finds itself a center of economic interest, with all manner of small attributes vying 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 pouf or poufette may replace the dresser, the window with the expensive necessity of main-tenance of a boudoir-sitting room, or as a poudreuse may replace the dresser, the window with the expensive necessity of main-tenance of the conventional bedroom. A poudreuse may replace the dresser, the window with the expensive necessity of main-tenance of the conventional bedroom. A poudreuse may replace the dresser, the window with the expensive necessity of main-tenance of the conventional bedroom.

Closet fittings can usually be purchased in matching sets of as few as or as many pieces as are required, and in color harmonies of the closet itself. 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. There are also pieces that make use of old-fashioned prints as a proper decorative finishing. 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 belles in a compact, convenient manner.

These concealed beds may be installed by bolting to the floor. A closet 17½ 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 roll-up portable type.

Comfort is insured in this bed by both day, springs and non-slip mattress clamps to hold the bedding firmly in place when the bed is up-ended.
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 satiny-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.

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

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.

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

All 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 56 2/3%. 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.

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

Continued from page 724

Bootees 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 bootey 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 hinges, or nested. Some of these 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 chimney of shallow drawn wherein one may lay crackers, or nuts, and all of the flat-folded articles of clothing that need little room is also.

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 attractive. Two coats of shellac, if one does not mind the work, will make it possible to 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. Fullman fashion. This wall is invariably wood-paneled and often shows carved and gilded valence and sides framing the bed openings. There extends along most of its length and between 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 self-respecting farmers without his grandfather clock, sometimes incorporated in the wall paneling and often between two beds. The floors are of stone or broad bricks occasionally overlaid with planking. The long unpainted table with deep bread boxes 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 often shows carried and molded from amber to slate, but wood shingles stained to heavy graduated blue and blue-green.

The ceilings are low, beamed, and often shows carried and molded from amber to slate, but wood shingles stained to heavy graduated blue and blue-green.

The roof of the house should be of heavy graduated blue and blue-green slate, but wood shingles stained to heavy graduated blue and blue-green.

The ceilings are low, beamed, and often shows carried and molded from amber to slate, but wood shingles stained to heavy graduated blue and blue-green.

The American Hom,
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.

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. Simply 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.

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 & Co. 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.

ROUND refrigerator acid-proof enamel dish set permits air circulation so necessary to keeping food. Easy to clean, sanitary. Diameters 4", 4½" and 5". Colors: red, green, yellow, white; flat covers, $1.95 complete. Express collect from Milwaukee.

FIVE modern potato tools: Left, potato chipper, 45¢; fine stainless steel knife to last forever, 90¢; special julienne knife, $1.15; curl cutter, imported, 50¢; lattice cutter, 55¢, extreme right. All p’pd. Special group price, $3.25, p’pd. west Miss.

HERMETICALLY 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 6½" ht., $2.75; 6½" diam. x 8½" ht., $3.75. All p’pd. east Miss.

SOMETHING 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, $1.85, p’pd. east of the Miss.

WHY splatter a new frock-thinning ice cubes from metal trays? Flew-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.

THE 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.

YEARS 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.

A BOF(E) Saves current; no loss of flavor from slow ordinary oven. Size oven 11 x 14 x 21" ht. Holds small turkey; heat switch; universal current. Complete with aluminum steamers: in blue steel, $45.50; white enamel, $64.50; green, yellow, or blue enamel, $89.50. Express collect.

A LAST a 9 oz. check-writer; large characters, any amount; fast; finest materials and finish. Guaranteed. $12.75 p’pd.

THIS 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 CASEMENT WINDOWS

HALF THE ENJOYMENT OF A HOME IS IN ITS WINDOWS

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 weatherstripping, 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"?

The practical bedroom for a young girl

Continued from page 679

Pieces which will be necessary in a girl's bedroom. A daybed is very desirable for this type of ensemble, and may be placed on 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 displaced by the much older lowboy or highboy. If there is a dressing table in the room, draped in dainty chintzes or dimity, the cost is slight, moreover. An old kitchen table can be used, disguised with paint and frippery draperies, or a kidney-shaped table can be bought unpainted wood for about $9. Those with drawers or swinging gates which open to reveal conveniences are more expensive, costing in the neighborhood of $16, which sometimes includes the plate glass top. A 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-de-reuse—or powder table—which has all the necessities of the toilet, and also boasts a mirror, set in the inside of the lid. 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 its charming little poudreuse and rush-seated chair, 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. The cabinet is a dresser with a kidney-shaped table, flanked on either side by a narrow chest covered in gay figured paper. One contained lineneses for the toilet, and also the necessities of the room. The dressing table, one may invest in a little French pouf-de-reuse—or powder table—which has all the necessities of the toilet, and also boasts a mirror, set in the inside of the lid. 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 its charming little poudreuse and rush-seated chair, priced at $30.

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How delightful it is—indeed, how necessary it is to have one room in the home which is intimately and exquisitely your very own. A dainty and artistic haven that reflects your personality and taste in a thousand charming ways—your boudoir.

Fortunately many of the very newest and smartest ideas in bedroom furniture are adapted by Berkey & Gay from the proud, charming and graceful days of the French kings.

You can get such enchanting effects with these lovely French Suites. Such delicate feminine effects! And they harmonize with so many modern styles of architecture and interior decoration.

Visit your Berkey & Gay dealer and study these new French creations. Also see his complete Autumn display of Berkey & Gay styles—the smartest and most extensive exhibit this famous house has ever presented.

For every type of interior, and for every room in the home, you will find the ideal group or individual piece—plainly identified by the famous Berkey & Gay Shop Mark.

And every Berkey & Gay dealer is delighted at all times to give you his professional aid, and to acquaint you with a wealth of ideas from the Berkey and Gay Style Book, in working out any decorative arrangement you may desire.
The practical bedroom for a young girl

continued from page 754

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 Godsey print applied, and is very charming with a poudre 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 bouclie 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 necessaries, 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 $21.75. 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.

Flanneled 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 the valances. A chintz sprei in a tiny calico pattern, combining red and yellow, costs $5.00, and matching curtains may be had at $2.95 a pair. Organic 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 flared glass curtains can be bought in the shops in white or écru, or in a harmonizing shade.

I

Yellow maple Early American Room

Bed
Bedding
Low boy
Mirror
Small desk
Green painted bookcase
Chair
Oval duck-foot table

$23.50
35.00
55.00
11.75
22.50
22.50
7.75
13.75
191.75

II

French Provincial room, unpainted furniture—stained to order

Bed
Bedding
Low boy
Mirror
Vanity table
Bench for vanity
Chair with rush seat
Small bed-table

Bedding
35.00

55.00

15.00

32.50

15.00

13.00

5.00

$181.50
$212.50

III

Painted Colonial furnishings—may be bought unpainted

Daybed
Bedding
Draped dressing table (draped at home)
Triple mirror for dressing table
Stool for dressing table
Low boy with bun foot
Bookcase
Footstool
Upholstered colonial chair
Butterfly table

$24.00
55.00
18.00
15.00
4.50
22.50
15.00
2.50

$180.25
$207.25

Shop charge for painting

$27.00
$30.75

PAGE FENCE

CHAIN LINK • • • GALVANIZED OR COPPERWELD ORNAMENTAL WROUGHT IRON
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.
Every Modern Kitchen Needs a WALKER

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 Côtes 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 general size and proportions serve 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 wall and stays there. If the inherent character of the house, and the bed, feels particularly cold, he puts dollars round the 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 a fashion which has influenced furniture designs. Those lovely, voluminous head-dresses of lace that Brittany women wear can 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 like our clocks and they are not like our clocks. They need protection and to house them, a wardrobe known as a bonnetière is used.

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 is just over your head. It is a rounded curving 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."

Furniture of the French provinces

Continued from page 677

Above — Model No. 108 Red WALKER Electric Dishwasher Sink set in tile.

Left — Model No. 118 Sink Unit in white or colored enamel. Dishwasher at right or left.

THE Dawn of a New Day in Your Kitchen" is the title of a book prepared to give the history of mechanical dishwashing in the home and to tell how the WALKER has brought emancipation to housewives and servants from the slavery of dishwashing. It points out how the modern kitchen may be planned around this greatest of all electric servants...it shows installations in modern apartments and homes that make kitchens without such equipment seem obsolete.

This book also tells how you can modernize your old kitchen...bring new sanitation to dishwashing with hotter water... save dishes, hands, and time...and explains why the cost of operation is only a few cents a day.

Read this book and then notice the articles constantly appearing in leading publications telling why you should not put off buying an electric dishwasher. Write today for your copy and let us tell you how to arrange for demonstration and easy terms of payment. WALKER DISHWASHER CORP., Dept. 1705, 216 Walton St., Syracuse, N. Y.

WALKER ELECTRIC DISHWASHERS
Sink and Cabinet models

WALKER DISHWASHER CORP., Dept. 1705, Syracuse, N. Y.


I would like a demonstration.

(Names of your architect, plumber and electrical dealer appreciated)

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"But I never dreamt it was the same old rug!"

"Oh, you're not the only one, Nan; I'm getting used to showing my Ozite Rug Cushion. Isn't it wonderful?"

Yes, it is amazing
—but Ozite gives any rug that lovely springy softness!

It's so easy to enjoy, in every room in your home, the luxurious softness of deep-piled rugs and carpets. Just cushion them with an Ozite Rug Cushion. And you'll be amazed yourself to see what an added air of elegance it lends to your familiar furnishings. A beautifully soft, soundless rug spells luxury! Anyone who steps on it notices the difference.

An Ozite Rug Cushion is really a fine, thin hair mattress for your rug or carpet—wonderfully comfortable, restful. No more grinding of hard heels on fabric, either. An Ozite Rug Cushion will actually make any rug wear three times as long; that's been proved.

Ozite is sold and recommended in all stores selling floor coverings in the United States and Canada. Examine it carefully. Dark brown, with orange binding imprinted "Ozite", and marked like a waffle, in squares.

The name Ozite comes from the patented process used in sterilizing the washed hair with ozone, the very foundation of Ozite quality—which cannot be imitated. Prove Ozite to yourself, in your own home, at our risk. It is guaranteed to give absolute satisfaction.

Send coupon for booklet telling of these added advantages:
1. Ozite never loses its live springiness.
2. Stays flat—will never mat, lump, creep, or curl.
3. Will outwear a dozen rugs.
4. Needs cleaning (with vacuum) but once a year.
5. Is absolutely mothproof and fireproof.
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7. Softens the sound of footsteps.
8. Evens old floors, blankets cold ones.
9. Can be taken up and relaid like a rug.
10. Makes laying of rug or carpet easy.

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(American Hair and Felt Co., Mfrs.)
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We practical moderns buy Beauty by the calendar. "Will it wear?" we ask. And Sani-Onyx answers with a promise to outserve the building itself.

Sani-Onyx is fused from rock ingredients and comes in convenient slabs, in a variety of modern colors and color combinations. Doesn't chip, check or discolor. No

Send for a beautiful free portfolio picturing actual installations in color.

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If you are still holding to a less efficient heating method, you are paying for the advantages of Electrol without enjoying them.

The fuel economy, labor-saving convenience, cleanliness and healthful comfort of Electrol Automatic Oil heat are amazingly low in cost—much less than you would expect.

The selection of Electrol by people to whom cost does not matter and the enthusiastic praise of owners everywhere may have caused you to think that this finer burner commands a higher price. A mistaken idea—as any owner will tell you.

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These Weather Strips
Give still greater
Comfort
Warmth and Protection!

A zinc tongue fitting into a bronze channel . . . instead of into a wooden groove . . . that's the secret of the efficiency of Higgin All-metal Weather strips, . . . that's what enables Higgin Weather strips to save you 15% to 35% in fuel bills.

You get a perfect contact. Dust-proof. Air-tight. Cold-proof! Your sash may shrink or swell - - it makes no difference in the efficiency of Higgin Weather strips, for the secret of the efficiency of Higgin All-metal Weather strips is that's what enables them to work properly. Your windows will continue to glide up and down - - smoothly, easily.

Higgin All-metal Weather strips soon pay for themselves in reduced fuel bills. Thousands upon thousands of home-owners throughout the United States and Canada vouch for this!

Our literature on these weather strips contains clear illustrations and facts. If you are interested, mail the coupon now.

The Higgin Manufacturing CO.
Factory Branches at: Kansas City, Mo., Toronto, Ont.

The Higgin Mfg. Co.,
451 Washington Ave.,
Newport, Ky.

Gentlemen:
Please send me your literature on Higgin All-metal Weather strips.

Name__________________________

City_____________State___________

These Weather Strips
Give still greater
Comfort
Warmth and Protection!
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.

In a new house the Balsam-Wool Blanket costs but little extra. A smaller boiler and fewer or smaller radiators are needed. This saving alone goes a long way toward paying for the Balsam-Wool.

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.

WOOD CONVERSION COMPANY
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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 is a guaranteed Weyerhaeuser product — a blanket of fluffy wood shere 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 —

FLEXIBLE-THICK
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House Comfort that Pays for Itself.

A new house. □ The attic of my present one.

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Address
City, State
... kids also like flowers

SINCE 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.

There is a sales and erecting representative near you. Write the home office for details.

WICKWIRE SPENCER STEEL COMPANY
37 East 42nd Street, New York City

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.

Going 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 above it. The heat that goes up 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 baffles 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 wave, 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 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.

Hot 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 overheats 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 fire overnight, they take longer to disperse 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 placed 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.
End All Future “Overhead” Expense By Insisting on Ambler Asbestos Shingles

You get just about what you pay for in this world, be it automobiles, clothes or building materials. First cost isn’t most important. In selecting a roof, if you will pay just a few dollars more you can get a material that will not wear out, fade or catch fire. Before building, make sure the roof you are offered will meet all these tests.

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Look where you may—as long as you wish—and you will find nothing excels “Beautiful Birch” for interior woodwork, veneer panels, doors and floors.

Its indescribable beauty in marvelous transparent stains that enrich the attractive birch grain, with the enthusiastic admiration of all who see it. Available in many colors and tones, these new finishes permit a different decorative scheme for each room—all equally lovely.

Nearby-moist-hardness assures that your birch trimmed home will retain a fine appearance indefinitely. The beauty of birch furniture is only equalled by its long serviceability.

Wisconsin-Michigan birch interiors are an asset to any building from the most imposing edifice to the smallest, cosiest home.

The American Home

| 822 F. R. A. Building, Oaksho, Wis. |

Gr这次 continuing from page 683

Growing shrubs for cut flowers

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

The 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 know. The Red-flowered, or Beauty of Weigela, is said to somewhat resemble the Weigelas though it is a bit too new to have had its possibilities properly recognized.

In early summer, the Rose Acacia (Robinia hispida) appears with drooping, bell-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 Althaea 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 that terminal heads of a raspberry pink coming in late summer when flowering shrubs are in bloom.

Another flowering shrub enormously overplanted is the Pegea 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.

A yellow-flowering shrubs that flower before the leaves, we see the Japanese Witch-hazel sometimes as early as February. The paperbush, also malleable plebeian, we like to picture with Pussy Willows hanging over some dark woodland pool. The Cornelian-cherry (Cornus mas) has a yellow bloom, as varieties differ. The Chinese Witch-hazel, or Japana, is considered white, pink, or deep red; the Silverbell (Halesia); the Snowbell (Styrax); the Lily-of-the-valley tree (Oxydendrum); the glistening white Horse chestnut (Aescorhoda); the fragrant and very Hardy White Fringe (Chionanthus); and Lilacs, old-fashioned, white, hybrids single and double, or the delicate White Persian.

In May come sprays of Dogwood, white or pink, and the later flowering Chinese Dogwood (C. kousa). There are countless varieties from which to select. Of those coming before the leaves, the most effective 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 sprays, comes so early that their whiteness is marred by frost.

Old-fashioned Bridalwreath is good but the somewhat coarse Van Houtte Spirea is perhaps better reserved for landscape effect.

In July come Rhododendrons, white or pink, and the later flowering lilacs, P. grandiflorus, which we may choose between the newer double Rugosa Hybrid named Angora, very early to bloom. None of these should be cut too drastically.

About this time, the perfectly white Lilac (Syringa) comes very early. The Rose of Sharon, or Hibiscus syriacus, loose panicles of a most attractive pink, quickly followed by red berries, which, however, as quickly fall or are eaten by birds.

In August the shrubby Sorbarias, P. grandiflorus, which blooms from August on into the fall.

White shrubs are perhaps most challenging of all the varieties. We have countless varieties from which to select. Of those coming before the leaves, the most effective 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 sprays, comes so early that their whiteness is marred by frost.

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No harmful after effects, no sleepless nights to pay for a late cup of Silex-made coffee. The Silex method does not boil the coffee—leaves the harmful caffeine and tannin in the grounds.

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1389 Case St., Davenport, Iowa
Growing shrubs for cut flowers

Continued from page 732

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 fuchsy foliage and white-purple flowers; Chaste-tree (Vitis 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 exserted stamens; Clematis davidiana with showy tube-like corollas of hyacinth blue appearing in August; Caryopteris racemosa or Blue Spirea; and Lepedone or Blue Clover, of rosy purple, come in the fall,

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 steady bloom.

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.

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 cases the planting as a single specimen, for massing, or as a foreground for a bed planting, or for a woodland setting. The Catawba Rhododendron and the Hydras have really showy flowers and stand all 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. Rhododen
drons may be grown in a mass or for a background planting, or for a woodland setting.

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 forerunner of many of the hardy "hydras." 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 rose-pink flowers in great profusion. This is the only native Rhododendron which withstands 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, languishing and dying. The 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-filling of mortar and plaster subsoil. Remember the essentials: soil moisture, humus, acid soil reaction, and moderate shelter. Mulch newly set plants, always.

New Artistry in Radiator Concealment

Continued from page 696

I t is true that Tuttle & Bailey have developed a "New Artistry" in Furniture for Radiators. But behind this "New Artistry" stands a record of 83 years experience in Heating and Ventilating—and the integrity that has been built up through these years.

The scientific distribution of heat in the living area of a room has been skillfully enclosed in the designs of Tuttle & Bailey Furniture for Radiators—the designs and finishes so carefully planned that these Radiator Cabinets become just another addition to lovely furniture.

Right now is the time—while the freshness of spring decoration is still unsnagged—and before the winter heat is turned on—to put the intrusive radiator in its place (under a Tuttle & Bailey Cabinet). Write for catalog of styles.
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made to match any color or decoration scheme, will conceal the bowl completely and add that final touch of elegance and refinement so much desired by the fastidious housekeeper.

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The amiable black kittens have white bibs and paws and real glass eyes for the fire to shine through. They stand 17" high and are unusually well cast after an old pair of Colonial andirons by a firm that has been making fine fireplace things in Boston for nearly 100 years. Wrought-iron shanks either 12" or 17"; fuel stops; best possible construction. Price $11.50 the pair, exp. collect from Boston.

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Left: Larger unit, 2 trays, 8½. Right: Two smaller sets with group assembled and also separated to show parts, $2.50. Postage 20c east of Miss. River.

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Send for catalogue on description of other lamps, shades, and pieces of furniture.

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But for a hand-made faithful rep., Not Height 20" Glass 8 x 12" Soft hand-rubbed finish

In lovely curley maple, $9.50 In fine solid mahogany, $8.50

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The tray when not used with the bucket makes a beautiful service tray for general use.

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Sheraton design. Mahogany, mixed with holly and satinwood, 52 x 23", 36" high.

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In Chicago—110 Tower Court
Three-Handle Vase of "Sunset Mt. Pottery"

Ready to receive your garden blooms and to add the glow of a gorgeous mountain sunset to the corners in which you place it—this lovely hand-nursed Pottery Vase. Many we have in other color and blendings of rich Red and Orange tones, or in two-toned greens. Glazed color perfectly. Height 7½". No. 1097—sent postpaid for $3.15.

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Silverware wrapped in Staybrite Tissue will not show the slightest tarnish after long storage. Staybrite is a true, patented discovery that prevents tarnishing by keeping the surface of silverware from coming into contact with air or gas-charged atmospheres. Staple Tissues are ready to use, yet totally un- barded to guard against scratching. Ask your druggist or department store to order Staybrite Silver Wrapping Tissues.

A VERY lovely small Duncan Phyfe coffee table of solid mahogany; top beautifully joined with grain in wedge sections. Most effective, highly practical; adds a nice touch to any room. Useful for tea things on the porch. Size 20 x 30 x 20" high. Carved feet and pedestals. $51 delivered as Illustrated. $3.00 postpaid.

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by Louise Beebe Wilder

Mrs. Wilder stroll along the garden paths, talking informally—and always delightfully—of her experiences with wild gardens, herb gardens and wall gardens, mingling practical wisdom with the poetry of nature.

Illustrated $3.00

Doubleday, Doran

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From a master-craft shop of Europe comes this new, ingenious Automatic Cornet. Anyone can play this instrument at once,—an hour's practice enables you to play it as well as a trained cornetist.

This cornet plays from a music roll operated by a slight pressure on the trigger, which controls the tone, and makes an note (or tone) short or long as you wish. You breathe into the cornet as you would into the ordinary instrument. Your breath controls the volume and feeling desired in any note—(or tone).

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From the master-craft shops of Europe and America, the finest assortment of Playthings, Games, Toys,—everything for the Entertainment of the family, the children, and guests.

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For protection, ornamentation, or boundary; for city, suburb, farm, or country estate, HABITANT FENCE is both picturesque and practical.

Picturesque because its durable Northern White Cedar—the tree of life—improves with age and exposure in color and tone... because of its graceful, curving lines.

Practical because it is staunchly made... never requires painting... and is decidedly economical in price.

Write nearest distributor for attractive booklet and costs.

Garden furniture, too, of the same enduring wood.

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PEONIES

That Are Different

Your opportunity to obtain something new and Different for your garden at moderate prices.

Seedlings from advanced trials, 75¢ up.


Prices reduced. Singles, doubles, Japanese.

MISCHIEF. $5.00. This famous pink single wins new friends every year. You should have it.

Send for List.

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Fondly anticipate the TOWERING BRILLIANCE of a fiber Delphinium display NEW SUMMER by ordering plant and seeds NOW. Acros of HOODACRES-WREXHAM, WREXHAM strain and HOODACRES WHITES. Heavy root grown and selected for shipping. Our system of packing insures PERFECT DELIVERY everywher. Illustrated catalog.

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Beautiful Blooms from Better Bulbs...

—and how!

Tulips and Daffodils... of course!

JUST send for Van Bourgondien's Catalog with color illustrations and full descriptions of the best in Tulips, Daffodils, Crocuses, Hyacinths, Dutch and English Iris, Lilies and other bulbs. You'll find what you want at attractive prices or we suggest the special anniversary collection of Tulips offered herewith.

This year we are prepaying carrying charges on all bulb orders of five dollars and over, so please mention this magazine if you take advantage of the $4.00 offer in this special collection.

OUR ANNIVERSARY COLLECTION
(Illustrated in color in catalog)

1. City of Haarlem—Darwin—Bright scarlet, large cup.
2. Dulcinea—Cottage—Soft cherry red.
3. Farncombe Sanders—Darwin—Brilliant scarlet, very fine.
6. La Fiancee—Darwin—Bright pink edged dark rose.
8. Louis XVI—Breeder—Large, dark blue-purple, flushed bronze.

6 Bulbs Each Variety (60 bulbs) $4.00
12 " " " (120 bulbs) 7.00
25 " " " (250 bulbs) 14.00

PREPAID ANYWHERE IN THE UNITED STATES

VAN BOURGONDIEN BROS.
Box "B", BABYLON, Long Island, New York
In and About the Garden

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 these 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 reading of a 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 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 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 gardener making 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 which elsewhere are to be sown in the 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)
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

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 mixture; and water daily.

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.

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


Take cuttings of Japanese Privet, Camellia, Barbary, 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.

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 grown early this month.

Earth up Celery.

Tile 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 black currants.

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.

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.

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 Lilies. 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 Snapdragons 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.
PRIZE WINNERS

The “Prizewinner Collection” of HARDY GARDEN IRISSES, 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 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.

AMBASSADOR 92-91 (Vilmorin 1920) 47". 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 BLESS 85-5 (Hillis 1925) 45". Five years ago you could not have bought a single plant of this exceedingly choice variety for less than double the price of this famous one. A real beauty in cut flowers, its brilliant color being most pleasing. The color is an exquisite carmel-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 86-78 (Yald 1911) 40". A GIGANTIC blue toned Iris with a delightful "flamboyant" fragrance. Chosen from among 250 blue toned Iris in my collection.

75c. each; 3 for $1.50; 6 for $2.50

LENT A. WILLIAMSON 86-88 (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 purple.

50c. each; 3 for $1.50; 6 for $2.00

MME. CHOUBAT 81-88 (Denis 1916) 56". A most unusual Iris, with groundwork of dark violet, standards and falls of a deep violet,作用 of the flowers are flushed with a light frothy white, by the time the flowers are fully opened with a "catchfire" of golden color.

75c. each; 3 for $1.50; 6 for $2.50

OPERA 82-83 (Vilmorin 1919) 34". See cut.

75c. each; 3 for $1.50; 6 for $2.50

DREAM 84-84 (Sturtevant 1918) 34". A "dream" of a soft, clear, uniform pink toned variety, that everybody in the Iris world is asking for.

75c. each; 3 for $1.50; 6 for $2.50

SHEKINAH 84-84 (Sturtevant 1920) 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 84-84 (Yald 1920) 36". Beautiful pure white flowers with waxy texture with delicate throat markings. Sweetly scented.

50c. each; 3 for $1.25; 6 for $2.00

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, 100 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 pass 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 the newer 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, very good in any soil or location in full sun or semi-shade. They are among the finest of all Irises for cutting.

18 Eupatori (the finest deep blue)

18 Snow Queen (The finest white)

10 of another choice variety, my selection

Total 30 Plants, All Properly Labeled For $10.00

100 Plants in 10 Varieties, labeled, my selection, $12.00

SIBERIAN IRIS

100 Assorted Plants, without labels for $6.00.

100 Assorted Plants, my selection, without labels, $20.00

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, 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. They are single, doubles, sells nodding, and striped effected, soft tones and the most brilliant colorings, in a wonderful array.

100 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 will 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 fine flowering, hardy and easy to grow. You will be surprised at the great beauty and size of the flowers, which are larger than any you have ever seen before.

25 Plants in 5 Choice Varieties, all labeled, my selection, $6.00

ROBERT WAYMAN

Box A

Bayside, Long Island, N. Y.
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 the ordinary field-grown mixture usually sold.

This happened at Highland Park, Rochester, N. Y., where in a limestone section, you may be able to grow naturally the plants. But the change is a limestone section, you may be able to grow naturally the plants. But the change is a limestone section, you may be able to grow naturally the plants. But the change is a limestone section, you may be able to grow naturally the plants. But the change is a limestone section, you may be able to grow naturally the plants. But the change is a limestone section, you may be able to grow naturally the plants. But the change is a limestone section, you may be able to grow naturally the plants. But the change is a limestone section, you may be able to grow naturally the plants. But the change is a limestone section, you may be able to grow naturally the plants. But the change is a limestone section, you may be able to grow naturally the plants. But the change is a limestone section, you may be able to grow naturally the plants. 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But the change is a limestone section, you may be able to grow naturally the plants. But the change is a limestone section, you may be able to grow naturally.
LILIUM REGALE

Adonna 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.

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. To order them, please send for our Catalog "Bulbs for Autumn Planting."
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 Echinaceae purpurea), which, while not refused, 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 ones and then neglect them. This is evidently an important point, for the border of the world will have some color only when the weeds demand it.

When you enjoy the glorious masses of color in the garden, do you realize that 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 carefully considered. As colors of different flowers are in bloom, will stand thinning, and will bloom for many months if brought indoors. A pot of Sweet Alyssum makes a festive showing. Then there is the end of the garden. Roses and cultivate only when the weeds demand it.

Bulbs are very valuable, because they are so hardy when brought in. It goes without saying that the various groups blend and harmonize with each other, but the season of bloom must be carefully considered. As colors of different flowers are in bloom, will stand thinning, and will bloom for many months if brought indoors. A pot of Sweet Alyssum makes a festive showing. Then there is the end of the garden. Roses and cultivate only when the weeds demand it.
Homes September, 1929

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, Irises and Lilies from the southern mountains, Mariposa Tulips and Lewisias from the far west, Calibrachoa and Oenothera from the plains, and Mer- tenia 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**

<table>
<thead>
<tr>
<th>Plants for the bog Garden</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pitcher Plant—Sarracenia purpurea, an enormous inhabitant of the swamps, that greedily digest the foolish insects that come to pitcher-like leaves.</td>
</tr>
<tr>
<td>Marshmallow—Calla palustris. The wild Marshmallow grows like fire in season and falls away.</td>
</tr>
<tr>
<td>Water Calla—Calla palustris. Red calla of passion, attaining a height of 4-6 feet in shade.</td>
</tr>
<tr>
<td>Yellow Water Flag—Iris pseudomarinus, the brilliant blue flowers of pure gold.</td>
</tr>
<tr>
<td>Swamp Saxifrage—Saxifraga pensylvanica. The blossoms look like Marmalade but grow on hollow stalks. 1 foot tall.</td>
</tr>
<tr>
<td>Tall Meadowrue—Thalictrum polygamum. The aromatic member of the dog rose, raising its flower heads of white to a height of four feet as it. to get above its more handsome neighbors.</td>
</tr>
</tbody>
</table>

**Collection B**

<table>
<thead>
<tr>
<th>Plants of useful beauty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ostrich Fern—Pteridium aquilinum. I would rather be a five foot plume by the river, watching the bully fish, than a plume of the tail of the ostrich and see the queen.</td>
</tr>
<tr>
<td>Maidenhair Fern—Adiantum pedatum. The delicate fronds are so shapely and are in a very lovely fern. Place in rich moist shade. 3-5 feet.</td>
</tr>
<tr>
<td>Royal Fern—Osmunda regalis. A three foot graceful fern that sends out its fronds in a circle to form a fountain in the swamp or moist meadow.</td>
</tr>
<tr>
<td>Hymenopteran—Osmunda pinnatiloba. Dense mats of 12 inch fronds which emit the aroma of new mown hay. For sun or shade.</td>
</tr>
</tbody>
</table>

**Collection C**

<table>
<thead>
<tr>
<th>Hardy Orchids Do not plan too deep</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lady Fern—Athyrium filix-femina. Graceful 1 foot fronds and easy to grow in partial shade.</td>
</tr>
<tr>
<td>Evergreen Woodfern—Dysotheca evergreen. Sold by the millions as Fancy Fern. Likes the most woods.</td>
</tr>
</tbody>
</table>

**Collection D**

<table>
<thead>
<tr>
<th>Plants for the shaded rocks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pink Lady Slipper—Cypripedium acaule. The Pink Lady Slipper grows in either dry or moist shade, provided the soil is acid.</td>
</tr>
<tr>
<td>Yellow Lady Slipper—Cypripedium parviflorum. A fragrant yellow Lady Slipper that thrives on humus in the bog.</td>
</tr>
<tr>
<td>Showy Lady Slipper—Cypripedium speciosum. The giant pink and white Lady slipper is the most elusive of all hardy orchids but about the easiest to grow, in moist shade.</td>
</tr>
<tr>
<td>Large Purple Fringed Orchid—Habenaria frigida. Large lavender pink flower heads on two foot stalks and with a delightful fragrance. For moist partial shade.</td>
</tr>
<tr>
<td>Showy Orchids—Beautiful white and lavender flowers and especially fragrant. 6 inches tall. Moist shade.</td>
</tr>
<tr>
<td>Rose Pogonia—Pogonia ophioglossoides. A delightful little pink orchid of the bog. And fragrant, too.</td>
</tr>
</tbody>
</table>

**Collection E**

<table>
<thead>
<tr>
<th>Plants for the Woodland Pathway</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oregon Iris—Iris cristata. Now, here 18 Our native Hardy Orchids are offered in Collection C. Hepaticas vary in color, Collection D.</td>
</tr>
</tbody>
</table>

**Collection F**

<table>
<thead>
<tr>
<th>Plants for the Woodland Pathway</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blue Phlox—Phlox divaricata. Great masses of blue gladden the woodlands of the central states in the spring.</td>
</tr>
<tr>
<td>Colorado Columbine—Aquilegia caerulea. Most glorious of all columbines, this state flower of Colorado. A rather small plant with enormous sky-blue flowers.</td>
</tr>
<tr>
<td>White Baneberry—Actaea alba. Fluffy flower heads of white followed by even whiter berries. Two feet tall.</td>
</tr>
<tr>
<td>Dutchman’s Breeches—Dicentra cucullaria. This plant has many extra pairs of leaves on one stem. Probably so many are torn on the sharp rocks where it is most at home.</td>
</tr>
<tr>
<td>Hepatica—Hepatica americana. 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 bloom in spring.</td>
</tr>
<tr>
<td>Crested Iris—Iris cristata. A wonderful little 4 inch, sky-blue iris is the contribution of the Blue Ridge Mountains to this collection.</td>
</tr>
</tbody>
</table>

Our Native Hardy Orchids are offered in Collection C. Hepaticas vary in color, Collection D.

**Graceful and easy to grow in partial shade.**

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. For $45.00 we will send you five complete collections all different or all alike. For $100.00 we will send you one of each collection. 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.

Graceful and easy to grow in partial shade.
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.

<table>
<thead>
<tr>
<th>Size</th>
<th>Each</th>
<th>10</th>
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</thead>
<tbody>
<tr>
<td>1 to 1½ feet</td>
<td>$1.25</td>
<td>$11.50</td>
</tr>
<tr>
<td>1½ to 2 feet</td>
<td>2.00</td>
<td>17.50</td>
</tr>
<tr>
<td>2 to 3 feet</td>
<td>2.75</td>
<td>25.00</td>
</tr>
</tbody>
</table>

R. catawbiense. Very hardy and very free-flowering. Broad rosy-purple clusters in 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 ft. high. Our supply was never finer! Each 10

<table>
<thead>
<tr>
<th>Size</th>
<th>Each</th>
<th>10</th>
</tr>
</thead>
<tbody>
<tr>
<td>9 to 12-inch clumps</td>
<td>$2.50</td>
<td>$25.00</td>
</tr>
<tr>
<td>12 to 15-inch clumps</td>
<td>2.75</td>
<td>25.00</td>
</tr>
<tr>
<td>15 to 18-inch clumps</td>
<td>3.00</td>
<td>30.00</td>
</tr>
<tr>
<td>18 to 24-inch clumps</td>
<td>4.00</td>
<td>40.00</td>
</tr>
</tbody>
</table>

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.

<table>
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<td>2 to 3 feet</td>
<td>3.50</td>
<td>35.00</td>
</tr>
</tbody>
</table>

NOTE:—All above plants come to you with large ball, securely burlapped, so extra charge for packing, sale 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.

GILLET'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 set out at any time during the season. If you will remember to give the Double ones a little more space than the Singles you get a 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 soil, 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 Violets begin to bloom somewhat before 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 breezeless climate, the cold is too much for you, it is most important and should be done thoroughly, when done at all, and usually night after the flowers have been picked. Semi-monthly is often enough in a frame in midwinter, but as spring advances, the Violet becomes thirstier and the moisture should be watched if you want continued bloom. Mulching the plants in the fall will help to keep a constant 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 he 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 night after the flowers have been picked. Semi-monthly is often enough in a frame in midwinter, but as spring advances, the Violet becomes thirstier and the moisture should be watched if you want continued bloom. Mulching the plants in the fall will help to keep a constant night temperature to range higher than 38 to 42 degrees.

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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.

Box 33

Faribault, Minnesota
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.

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 the flowers. It is charming planted along with Mentha 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 red-dish-purple, the original stock which came from a swampy river-bottom. It grows to greater advantage on high ground, with clay sub-soil, 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! you educator whose garden held a stubborably 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 me my eye to a fine thrall, and (this is advice for the patient gardener) after bloom I grasp each plant firmly by 'boob 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 microphyllum). I have a group of these plants naturalized among Elderberry bushes, and they have virility 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, autoichnous, with tints that harmonize with the shrubbery and trees when 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 one seen 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 flower, 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 rule by which one could be judged, despite the fact that the Garden Club of America has set down such rules. Essentially 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 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 fall 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.

September, 1929

This Purple Rock Cress

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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-camomile 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 Thuja (or Arborvitaes) 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." A copy will be mailed on receipt of your name and address.

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 $3.50 $5.00 $8.00
Extra large bulbs $5.00 $7.00 $10.00
Mammoth bulbs $7.50 $10.00 $15.00

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
Save 20% to 33 3/4% on Peonies and Iris which we must to make room for the New Parkway

EQUAL 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

<table>
<thead>
<tr>
<th>Rating Variety</th>
<th>Description</th>
<th>Time of Blooming</th>
<th>Catalog Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.1 Avalanche</td>
<td>Creamy white, Fragrant</td>
<td>Midseason</td>
<td>6.75</td>
</tr>
<tr>
<td>8.4 Felix Crescent</td>
<td>Brilliant Red, Fragrant</td>
<td>Midseason</td>
<td>8.75</td>
</tr>
<tr>
<td>9.3 Festiva Maxima</td>
<td>White, Fragrant</td>
<td>Early Midseason</td>
<td>10.00</td>
</tr>
<tr>
<td>5.5 Cornucaeus</td>
<td>Pink, Yellow, Fuchsia</td>
<td>Late Midseason</td>
<td>11.00</td>
</tr>
<tr>
<td>7.9 Jean d'Arc</td>
<td>Pink, Collar rich crown, Fragrant</td>
<td>Early Midseason</td>
<td>12.00</td>
</tr>
<tr>
<td>8.4 Karl Roscheid</td>
<td>Rich velvety crimson</td>
<td>Early Midseason</td>
<td>13.00</td>
</tr>
<tr>
<td>8.6 Miss Auguste Dessert</td>
<td>Rose</td>
<td>Midseason</td>
<td>14.00</td>
</tr>
<tr>
<td>8.9 Miss. Amalie Lemonie</td>
<td>Rose, fragrant rose</td>
<td>Midseason</td>
<td>15.00</td>
</tr>
<tr>
<td>8.2 Marcille Dessert</td>
<td>Pink, crimson, Fragrant</td>
<td>Early Midseason</td>
<td>16.00</td>
</tr>
<tr>
<td>8.4 Margarette Gerard</td>
<td>Pale salmon-pink</td>
<td>Early Midseason</td>
<td>17.00</td>
</tr>
<tr>
<td>8.1 Mlle. Leonie Cadot</td>
<td>Shell pink</td>
<td>Midseason</td>
<td>18.00</td>
</tr>
<tr>
<td>8.3 Venus</td>
<td>Deep pink, Shell pink, Rose fragrance</td>
<td>Late Midseason</td>
<td>19.00</td>
</tr>
<tr>
<td>8.0 Mme. Lemoutrie</td>
<td>Exquisite pink</td>
<td>Early Midseason</td>
<td>20.00</td>
</tr>
<tr>
<td>9.0 Sarah Bernhardt</td>
<td>Light purple</td>
<td>Late Midseason</td>
<td>21.00</td>
</tr>
</tbody>
</table>

Several of above have been awarded first prize at Annual Shows of American Peony Society.

from one's state experiment station as to the effectiveness of the introduced variety in pollinating as well as the other Creeping Bents, that it is essential to be absolutely certain that you are getting a good strain because there are no standards. 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 establish satisfactory contact. Have this much of the work finished before the stolons arrive. Just before breaking the surface, add one quarter of a pound tor each tree's trunk but under the 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. Fertilizers containing only nitrogen, sometimes have a marked effect in increasing the number of fruits, providing the tree is suffering from a lack of nutritious 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 injure the tree's health, except in rare instances. At the present time hand dusting and using a good quality dust obtainable that there is little excuse for losing any appreciable number of flowers or partially developed fruits from depre-
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, sticks, 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 50c for 100 lbs. of ADCO, enough to make two tons of excellent manure; or order it from your own merchant. Simple directions accompany every package.

ADCO, 1738 Ludlow Street, Philadelphia

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**PETEYSON’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 reason 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 noble, long 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. PETEYSON, Inc.
Rose and Peony Specialists
Box 50
Fair Lawn, New Jersey

---

Narcissi 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

**OFFER NO. 2**
For $5.00 I will send 13 Iris worth over $8.00—postpaid
Alceste, Crusader, Edouard Michel, Georgia, Lord of June, Mme. Chartaint, Mythe, Palacrea, 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—free.

**OFFER NO. 3**
Six Peonies worth $9.00 for $5.00—postpaid
Avalanche, Christiane Cowdy, Mme. Boulanger, Mme. Crouse, Auguste Villains, Cherry Hill.

**OFFER NO. 4**
Six Peonies worth $15.00 for $10.00—postpaid
Edith Forrest, Baronne Schneider, Longfellow, Tournagene, Mme. Jules Desert, La France.

**OFFER NO. 5**
Seven Peonies worth $57.00 for $30.00—postpaid
Betty Alden, Judge Berry, Kelway’s Glorious, Le Cygne, Grace Loonis, 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—100 for $45.00.
A customer bought 1000 and was so well pleased that he ordered 5000 more. These go by Express not prepaid.

IRIS SIBERICA
Orientalis each, 25 cts. Doz. $2.00.
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.
ROSE GUIDE FREE

"New Guide to Rose Culture," fall edition, just issued. We have a copy for you—free. Shows many roses in colors. Lists and describes over 500 varieties. Gives hints for care and fall planting we have learned in 78 years' rose growing. Invaluable aid to every beginner. Tulips, hyacinths, shrubs, etc., also excellently illustrated. Offers plants, seeds and bulbs. Send today!

We have acres of hardy, specially bred roses. All are modestly priced. We guarantee safe delivery anywhere in the United States.
The Dingee & Conard Co., Box 911, West Grove, Pa.

DINGEE ROSES

Send for your copy of this book!

It tells you how to end the dust nuisance on drives, bridle paths, walks, tennis courts, and other outdoor surfaces. Ask for booklet 12657 and it will be sent promptly without charge.

SOLVAY SALES CORPORATION

Alkalies and Chemical Products Manufactured by The Solvay Process Company

40 Rector Street
New York

OLY-HUMUS

in Transplanting Perennials

To transplant Iris, Peonies and other Perennials successfully, it must be done in the dormant state, carefully and with extreme care. It has been cultivated, cropped, sun-cured and aerated, then granulated. Convenient and pleasant to use. Sample bag free.

Send $2.00 for 100-lb. Trial Bag or $7 for four 100-lb. boxes. Freight paid to points within 160 miles of Philadelphia or New York City.

HYPER-HUMUS CO.
18 Park Place
Newton, N.J.

1) Alkalies manufactured seed $1.00 per packet—finest mixture. It has been milled in the Solvay Process. Compares with any. 

BLACKMORE & LANGDON

It has been milled in the Solvay Process. Compares with any. 

H. W. J., Quebec, Canada

Whether you live in sunny California or cold Quebec, Gardens' Chronicle will help you get more pleasure and profit out of gardening.

Invest $1—Dividends Monthly

A unique achievement

F. H. C., Maine

Five R. H. S. Gold Medals—the Blue Riband of Horticulture—have been awarded our wonderful hybrid tea roses. These beautiful blooms are famed for their beautiful color, sharply spiky and unrivalled quality.

Send 11.00 per pocket—shaded mixture.

BLACKMORE & LANGDON

Bath

What Makes a Garden a Good

It must be impervious to moisture, must retain its markings, and must not girdle the Plant. We Have It.

THE AQUAPROOF PRODUCTS CO.

18 Park Place New York Bath England

ROSE GUIDE FREE

"New Guide to Rose Culture," fall edition, just issued. We have a copy for you—free. Shows many roses in colors. Lists and describes over 500 varieties. Gives hints for care and fall planting we have learned in 78 years' rose growing. Invaluable aid to every beginner. Tulips, hyacinths, shrubs, etc., also excellently illustrated. Offers plants, seeds and bulbs. Send today!

We have acres of hardy, specially bred roses. All are modestly priced. We guarantee safe delivery anywhere in the United States.
The Dingee & Conard Co., Box 911, West Grove, Pa.

DINGEE ROSES
The Only Way to Save Money on these Twelve Best Books

There 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!

Only the Literary Guild sends its members twelve new, outstanding, cloth bound books a year at a great reduction in price.

Every discriminating book buyer will want to investigate the advantages offered by all of the “clubs” before he subscribes to any of them. It is only by such comparison that all of the advantages of the Literary Guild are revealed.

The Guild Solicits only Your Consideration

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.

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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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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.

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The Literary Guild, Dept. 93 A. H. M.
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.

Name
Address
City State
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.

Haltosis (unpleasant breath) is the damning, unforgivable, social fault. It doesn't announce its presence to its victim. Consequently it is the last thing people suspect themselves of having—but it ought to be the first.

For haltosis 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 haltosis 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 Pharmacal Company, St. Louis, Mo.

*L 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.
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.
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. Grimy. Deep reddish flowers, spotted orange inside. Height 2 to 4 feet.


First-size Bulbs of each 12 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.
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.

**MICHELL'S**

Bulbs for your garden

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
<th>Varieties</th>
<th>Prices</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFTERTOON</td>
<td>Deep rose, yellow.</td>
<td>25 (5 each of 5 varieties)</td>
<td>$1.75</td>
</tr>
<tr>
<td>DREAM</td>
<td>Pale yellow.</td>
<td>50 (10 each of 5 varieties)</td>
<td>$3.00</td>
</tr>
<tr>
<td>PRINCESS ELIZABETH</td>
<td>Deep rose pink.</td>
<td>100 (20 each of 5 varieties)</td>
<td>$5.50</td>
</tr>
</tbody>
</table>

**LILIUM REGALE** (Queen of the Lilies)

One of the finest hardy garden lilies yet introduced. A vigorous grower, 3 to 5 feet. Large, beautiful, fragrant blooms.

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
<th>Prices</th>
</tr>
</thead>
<tbody>
<tr>
<td>Each Doz.</td>
<td>$6.50</td>
<td>$60.00</td>
</tr>
<tr>
<td>Large selected mammoth bulbs</td>
<td>$1.00 to $87.50</td>
<td></td>
</tr>
</tbody>
</table>

**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.

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
<th>Prices</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHIONodoxa</td>
<td>(Glory of the Snow) Brilliant blue, bell-shaped flowers soon after snow disappears.</td>
<td>40c per doz.; $2.50 per 100.</td>
</tr>
<tr>
<td>Muscari</td>
<td>(Grape Hyacinth) As illustrated to right below, these pretty little Spring beauties come in blue and white.</td>
<td>50c per doz.; $3.00 per 100.</td>
</tr>
<tr>
<td>SCILLAS or Squills</td>
<td>A great companion to Snowdrops, with exquisite sprays of rich blue flowers.</td>
<td>70c per doz.; $5.00 per 100.</td>
</tr>
<tr>
<td>SNowdrops</td>
<td>(Galanthus) They &quot;dare&quot; Jack Frost and peep through snow and ice.</td>
<td>50c per doz.; $3.50 per 100.</td>
</tr>
<tr>
<td>SCILLA or Squill</td>
<td>The rarer white variety.</td>
<td>75c per doz.; $5.00 per 100.</td>
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<tr>
<td>PEARLs OF Spain</td>
<td>The rarer white variety.</td>
<td>75c per doz.; $5.00 per 100.</td>
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</tbody>
</table>

**The Lake Placid Club Greenhouse**

is Lord & Burnham built

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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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 6-eye divisions. This special low price offer 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.

25 * Ornithogalum — Star of Bethlehem
25 = Double Snowdrops
25 Bulbs Grape Hyacinths—blue

Plants ready for delivery in September and October.

10 Lily of the Valley—Fortin Giant (New): 1
12 Lily of the Valley—The old variety Lylyum Grandiflorum—wood
1.6 Lilium Superbum—Our wild meadow lily.
6 Lilium Tigrinum 'Splendens Improved Tiger Lily

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.

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BARGAINS FOR FALL 1929 AND SPRING 1930

Your Choice of Any of the

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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.

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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.

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WIRING SYSTEM

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All that was lovely in times past is lovely today. The tapestries of Bayeux...Wedgwood's pottery...the rugs of ancient Persia. \( \text{1%} \) 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. \( \text{8%} \) 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 \textstyle \text{1%} \) STYLE endures. \( \text{8%} \) 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. \( \text{8%} \) So in the rugs and carpets of Bigelow-Hartford, beside Oriental, French and Finnish designs are ranged \textit{modern} designs of exquisite beauty...designs refreshingly new, yet in harmony with age-old traditions...designs to \textit{live} with. \( \text{8%} \) 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. \( \text{8%} \) 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, 06-14 -
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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.

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When you visit Atlantic City, see our Sanitas Exhibit at 1410 Boardwalk, Central Pier
Protect Beautiful Interiors

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.

Leading plumbing contractors recommend and install Anaconda Brass Pipe. You can identify this time-tested, guaranteed product by the name ANACONDA stamped in every foot of the pipe. It is a symbol of quality worth looking for.

ANAConDA BRASS PIPE
**October, 1929**

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That You Grew Yourself!

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.

You have a garden now. It is worth a lot to you. But you can double its value with the help of the National Garden Association.

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- Society of Little Gardens
- Ontario Horticultural Association
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- 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
- Wild Flower Preservation Society

**What is Your Garden Worth in CASH?**

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 of way—by giving you a lot of fun and a random radish?

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BROWN AND WILLIAMSON TOBACCO CORPORATION, Louisville, Kentucky
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Step 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.

One that is particularly suited for such studio living-rooms is the large flagstone design illustrated—a new effect in Armstrong's Embossed Inlaid Linoleum. This fashionable floor is on friendly terms with everything in the room. Even the revealing casements serve only to make it more interesting, to bring out its textured beauty, all the richness of its inlaid color.

There were other designs in Armstrong's Linoleum Floors that might have been chosen for this studio living-room, 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.

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Armstrong's Linoleum Floors 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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Build with brick made in the mould-made way just as Jefferson's were for his home, Monticello. They have the same interesting shapings. Same texture crazings. Same time-toned colorings. They give at once a wondrous, softened, age-old effect.

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Sunrooms should glow with color even on bleak and sunless days. And smartly patterned linoleum helps them to. Sunrooms should have that hard-to-hurt comfort of the informal room that gets more than its share of informal living. Ashes, dripping glasses, earthy shoes fresh from garden or golf cannot disturb the vivid charm of compact, close-grained linoleums such as W. & J. Sloane makes to sell at moderate prices, through leading merchants everywhere. W. & J. Sloane Mfg. Co., Trenton, New Jersey.

W. & J. SLOANE LINOLEUM
This Karpen Group of More Charm than Cost
will be featured by Karpen dealers in September

APTLY this interior illustrates the truth of the Karpen maxim that taste, rather than costliness, is the mother of beauty. Though moderately priced, there is a wealth of charm in every particular of the furniture. It is evident in the correct styling of the mahogany and walnut frames and in the fineness of the fabrics—the Velmo mohair of sofa and matching chair; the tapestry and damask of the arm and smaller chair.

It will be appreciated in the grateful ease which comes only from inner quality—hair and cotton filling and ingenious springing. And there is charm of color pleasingly blended and accented in the interior, created by a noted decorator especially for this Karpen ensemble. A little study will show how easily and inexpensively you can reproduce this room, so completely satisfying to those who insist upon good furniture.

EVERY HOME SHOULD HAVE KARPEN FURNITURE

Mail this Coupon for "Beautiful Interiors"

A colorful advertising book on interior decoration by Edgar W. Jenney. Filled with ideas for your home. Send this coupon now, with the coupon torn out, to S. Karpen & Bros., 101 S. Wabash Ave., Chicago, III. and Broadway, New York, or F. O. Box 566, Los Angeles, Cal. for beautiful ideas for your home.

What dealer near you can supply your September feature group?

NAME __________________________
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5 A Sofa—Mahogany, Velmo Mohair...$178.00
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Available through all Karpen dealers at the above prices.
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.

In the above photograph the Richmond Floorline Radiator is shown attached to the baseboard—yet note how inconspicuous it is. Only eight inches high, three and one-half inches deep. No exposed piping. Thus you have unlimited scope for decorative schemes and furniture placement.

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.

The Richmond Floorline Radiator costs less than other types of concealed or compact radiators. The replacement of present cast iron radiators with this finer type often costs less than installing radiator shields.

The Richmond Floorline Radiator is designed for use in homes, apartments, hotels, office buildings, steamships and yachts. Adapted to nearly all steam, hot water, and vapor heating systems. Consult your architect, builder, or heating contractor. Or, send the coupon below for the complete illustrated story of this most adaptable and efficient radiator.

More than 40 years experience in the manufacture of fine heating equipment is incorporated in the Floorline Radiator. Richmond Steam, Hot Water and Gas Fired Boilers, Cast Iron Radiators and Enamelled Ware are other products of the Richmond Radiator Company.

RICHMOND RADIATOR COMPANY, INC.
Dept. A-9, 1480 Broadway, New York, N. Y.

You may send me the illustrated descriptive booklet of the Richmond Floorline Radiator.

Name: _____________________________

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In order that we may send the most helpful information, please check the space that identifies you:

□ Owner □ Architect □ Builder □ Heating Contractor

U. S. Patent Applied for
Banish the garbage can forever!

For no more than you pay for a good electric washer, you can forever rid your home of the foul-smelling, germ-breeding, work-creating garbage can and the unsightly, space-taking rubbish pile responsible for 75% of residence fires!

Install the Chimney-Fed Kererator using your home’s regular chimney when it is in or near the kitchen. The handy hopper door, shown above, connects to the chimney and leads to a brick combustion chamber in the basement where the daily waste accumulates for an occasional lighting (a match does it — no fuel required — the discarded combustible waste is the only fuel needed).

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The BEATON & CADWELL MFG. CO.
New Britain, Conn.

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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.

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

KERNER INCINERATION
Garbage and Waste Disposal
for New and Existing Buildings.

GALLOWAY POTTERY
Gives the Essential Touch

ESTAB. 1810

GALLOWAY TERRACOTTA CO.
5 W. 14th St., PAULS HALL,

SMITH WIRE SCREENS

She Makes $3,000 Every Year In Spare Time!

Prices for other sizes furnished on request.

Have your dealer order one now. It is

THEBEATON & CADWELLMFG. CO.
NEW BRITAIN, CONN.

Send no money; pay the post-
man $1 when it arrives.

Name

Address

The J. A. Ross, of Los Angeles, says: “Although we have a beautiful home with three bathrooms, and I have a husband and two children to look after, I have nevertheless managed to save $400.00 a year for several years in my expenses. I thoroughly appreciate what Process & Moons has done for me and I surely appreciate what Process & Moons has done for me. Mrs. Ross, have responded to the need for additional income in the home.

A Wonderful Part or Full Time Opportunity to make hundreds of dollars in your spare time! Use the Process & Moons System to create a business with absolutely no capital or experience necessary. As you teach you how to make Process & Moons cards, the work will be automatically turned over to you and you will have the option of selling it by mail or having your cards printed and shipped to you in bulk. You will receive all cards and sales materials upon which to work. We furnish everything free including beautiful sample portfolios, complete instructions, every thing to enable you to start making big money at once. Send 10 cents to representative women in every town where there is a need for additional income in the home.

The American Home

The American Home

The American Home
NEVER ENJOYED BEAUTY AND CLEANLINESS SUCH AS THIS NEW WALL AND CEILING MATERIAL IMPARTS TO MODERN 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.
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."

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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.

Capitol Boilers
AND RADIATORS

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.

The Capitol Red Top
This is, we believe, the finest square boiler yet achieved. Rock wool insulation. Stainproof jacket in baked enamel. Various control doors. For medium sized residences.

The Capitol Red Head
To small houses, and bungalows this handsome heat-maker, with rock wool insulation, brings the advantages of radiant 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.
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.

Cabot’s
Creosote Shingle and Wood Stains
and Cabot’s DOUBLE-WHITE Collopakes
Yes... and what a whale of a difference just a few cents make

A definite extra price for definite extra tobacco-goodness

fatima Cigarettes
Give Color to Both Roof and Sidewalls
Without Losing the Natural Beauty of Material

The 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.

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 the wood. 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."

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 showing old, buy our Modernizing Service Department makes a sketch from photograph of the house 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." Unstamped.

Weatherbest Stained Shingle Co., Inc.
2117 Island St., North Tonawanda, N.Y.

One of the many colorful homes with Weatherbest Roof and Sidewalls designed and built by Carl Anders, Bridgeport, Conn.

From an original photograph in natural color.
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.

MOST 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.

ALL 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

© 1930, C. N.
JULIUS GREGORY has designed this Brilliant Sun Room to express the decorative interest of REAL TILES

In this radiant sun room by Julius Gregory, Keramic 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 Keramic Tiles... by America's leading architects

Who would not welcome the sun in a room so beautiful, so radiant with color? Here, Keramic 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, Keramic 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 Keramic 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 Keramic Tiles for other rooms in your house.

Let us send you—free—our illustrated booklet, Enduring Beauty in your Home through Keramic Tiles. It will give you many interesting facts and suggestions about the new ways in which Keramic 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.
SMALL DWELLINGS
CAN NOW BE ROOFED WITH TILES

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-CELA DON 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
TODAY, 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 \( \frac{1}{2} \) inch thick—by scientific laboratory tests is \( 12\frac{1}{2}\% \) more efficient as an insulator than ordinary \( \frac{7}{16} \) 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.

HEAT ROOF INSULATION SOUND DEADENER ATTIC LINING

PROTECTION AGAINST COLD AND HEAT

SHEATHING PLASTER BASE WALL BOARD

Insulate with INSULITE—FULL \( \frac{1}{2} \) 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—

IF 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.

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
THE 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.

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.
"What a beautiful new roof!"

Lasting colors and unusual protection

-- with an extra economy in re-roofing!

Look 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—waterproof, 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

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—visible on the completed roof—that makes Genasco Latite particularly suitable for use on old roofs and keeps the completed roof storm tight.

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.

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.

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 to give you an estimate of cost for roofing or re-roofing my house.

Name: ____________________________

Address: _________________________

THE BARBER ASPHALT COMPANY

PHILADELPHIA

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—visible on the completed roof—that makes Genasco Latite particularly suitable for use on old roofs and keeps the completed roof storm tight.
"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.

M O E - B R I D G E S C O M P A N Y  
D E P A R T M E N T A - 9 0 , M I L W A U K E E , W I S C O N S I N

M O E - B R I D G E S

ARTISTIC LIGHTING EQUIPMENT

Be sure the Moe-Bridges Guarantee tag is on every fixture you buy.
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 cozy 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
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.