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**House & Garden**

**APRIL, 1917**

**Contents**

- **Cover Design** by Porter Woodruff
- **Frontispiece**—A Jewel Enshrined.
- **Cross & Cross, Architects**
- **What Is Modern Decoration?**
  - B. Russell Herts
- **The Beauty Spot of the Room**
  - Peyton H. Sargent
- **The Residence of Henry W. Blake, Esq., at Englewood, N. J.**
  - Hays & Hoadley, Architects
- **Fresh Berries—With Cream**
  - Robert Sleell
- **Editorial**
  - The Frantic Astronomer; by Christopher Morley
- **A INTIMATE DOORYARD**
  - Kelly & Graves, Architects
- **The Ever Essential Rose**
  - F. B. Rockwell
- **Men's Furniture for Men's Rooms**
  - Mary Kanthin Thomas
- **The Group in Furniture Arrangement**
  - H. D. Ehrle and Abbott McCullough
- **Shingle and Thatch for the Cottage Roof**
  - Gustave Caretto

**April, 1917**

**Vol. XXXI, No. Four**

- **Bucks, Fells and Horseflesh in Old English Prints**
  - Clifford Popham
- **In the Garden of James Parmelee, Esq., Washington, D. C.**
  - Charles A. Platt, Architect
- **A Country Cottage of Comfort Lines**
  - Wallace & Warner, Architects
- **A Little Portfolio of Good Interiors**
  - Grace Tabor
- **Flowers of the Rainbow Goddess**
  - Grace Tabor
- **Literary Notes**
  - D. E. B. and Miss H. M. C. McArthur
- **The Delicate Beauty of Chinese Porcelains**
  - Gardner Troll
- **Essentials in Bedroom Furnishing**
  - Agnes Foster
- **Convenient Devices for the House**
  - H. R. Edson
- **Six Schemes for the Foundation Border**
  - Elizabeth Leonard Strong
- **How the Strawberry Sees It Through**
  - William B. McLellan
- **The Gardener's Calendar**
  - A. P. Thurston
- **Iron Fences for the Permanent Place**
  - C. B. Butlin
- **Knowing the Wild Mushrooms**
  - Olin Crooker
- **Ships That Never Went to Sea**
  - Coats & Co., Inc.
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**SUMMER IS I CUMEN IN**

While you, gentle readers, were knocking the icicles off the old pump and praying that the coal in the cellar would see the winter through, we were dispersing ourselves in zephyr-swept gardens, lolling in easy chairs on sunny porches and lying about on shaded lawns listening to the trickle of water from wall fountains—editorially speaking. And in those pleasant hours we assembled such stuff as summer homes are made of. All of them will be shown in the next issue—May—which is yclept The Spring Furnishing Number.

Here are articles—and pictures galore—on breakfast rooms and porches; the country house dining-room table between meals; new summer house fabrics and wall papers; hot weather rugs and furniture; and a portfolio of rooms that must be a joy to live in—certainly they are a joy to look at. The student of interior decoration will find it to her advantage to read the articles on Early Italian tables and on French prints.

The gardener finds complete satisfaction in the stories on lilacs, on making rock gardens and on the use of summer bulbs. In addition, of course, there is the gardener's calendar, that necessary vade mecum, a description of a small formal garden, a spread on dogwood, tree surgery and on seasonal culture. Not the least important of the gardening articles is the fifth of D. R. Edson's series telling the whole story of the game—from the ground up, literally and figuratively.

For the house builder are two small houses that are top hole and a medium-sized country house that takes the prize. Speaking of prizes, it may interest you to know that of the executed houses shown at the Architectural League Exhibit this year, 90% of them appeared in House & Garden in the previous twelve issues. This is picking winners. It is also giving you the first view of the best domestic architecture in America.

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A JEWEL ENSHRINED

It is a worthy practice that when architects find a rare old doorway of great beauty in a foreign land they bring it home, incorporate it in the construction of the house, build rooms about it—enshrine it as a jewel is enshrined. This was done in the residence of Prof. Marquand at Princeton, New Jersey. Cross & Cross, architects
WHAT IS MODERN DECORATION?
The Why and Wherefore of Vivid Colors and Original Furniture and The Decorators Who Are Using Them

B. RUSSELL HERTS

Modern decoration represents the real turn of a sense of humor into art. It is the same spirit which inspired the life carvers in their execution of fantastic shapes on their most reverenced cathedrals. And indeed, reverence and humor go hand in hand, so that the exponents of the present age represent a fusion of reverence; a new birth of light, care, taste, study and individuality. We are in the period of the seekers; we are the Giotto, the Cimabue, of this century, or rather the unknown glories of the pre-natal period; those who render the Giottos and Cimabues possible.

PARALLEL PARADOXES

The art of literature produces today the same tendency as the art of decoration. Man is no longer either a tourist or an author. Mark Twain could now secure a literary reading, a thing which he found himself forbidden because his large loving public insisted on regarding him as a funny man. We have come to realize that last that laughter and art may be only a hair's breadth apart.

In the theatre it is possible to produce "Another Way" and "Bushido" side by side, and Bernard Shaw is quoted as the most sensitive of all existent dramatists, despite his unmatched gift of epigram. It is the worship of the antique is a glorification of dullness and drabness that would have been reviled by the very men who designed and executed the originals. Let our over-cultivated instructors do their best to make us believe in the infallibility of their convention of the disgrace of newness, of the horror of fresh paint.

IN THE AFFIRMATIVE

So much for our denial of the negative anti-Victorianism of 1900. But something remains to be said on the affirmative side of our accomplishment. Mrs. Hazel H. Adler has written a three hundred page book in explanation of this, but in some ways her very worth while accomplishment seems to me...
too limited. For example, her statement of what has been accomplished by the forerunners of "Twentieth Century Decoration" refers to a long list of workers in decorated porcelains, handloom fabrics, embroidery, rug making, batik, block printing, ceramics, wrought metal, stained glass, and enamels, but not to any makers of furniture, wall decorations, architecture or interior design. In the remainder of the volume, many decorators' names are mentioned, but the illustrations of their work are only partially effective, and not always worthy. One imagines in the reading of this book that the moderns of America have modeled themselves too exclusively on the German school of Innendecoration to be the rightful forerunners of a new native art.

THE INEVITABLE

But in some way, by some means, perhaps undreamed as yet, the new style must come. We cannot continue to copy the antique forever, and certainly not the decaying examples of antiquity which are what we reproduce today. Some time, some leader of the fashions will declare "I shall have nothing in my house that has ever existed on land or sea, or in the heavens above or the waters under the earth," and then the apes will climb up after her new demand for originality and give birth to a new gesture.

THE RECALCITRANTS

Meanwhile we are surrounded by a number of worthy performers—of design, and of humor. Baron de Meyer, with a may-care audacity worthy of little, has selected the most degenerate periods of all today and exploited it with great success, by the gayety of a nation. In our time that he adored, we have all the ugly things used in a new, effective way, and we perceive no one of them ugly in itself, only in relation to everything else. Which it was used to exist, and which even the Venus might be fine.

That itself is an important point of a new style. There is nothing wrong with being (Continued on page 92)
The interior below is frankly Teutonic. Walnut walls, brilliant fabric on floor. Table of original design in walnut. Curtains of violet silk. Upholstery of violet velvet.
The architectural axes of this dining-room are clearly marked. At the end of one is the fireplace with its over-mantel mirror. The other terminates in a console surmounted by a Watteau-esque panel that gives the room a just measure of color and life.

THE BEAUTY SPOT OF THE ROOM

Over-Mantel Paintings and Their Place in the Modern Home

A FIREPLACE is almost always the axis of a room, the point on which the eye naturally focuses. Appreciating this fact, decorators have used their best resources to make it express at a glance the general character of the surroundings. When it is understandingly used, it strikes the keynote of the decorative scheme, and greatly aids in giving unity to the arrangement. On the contrary, if unskillfully planned, it becomes a discordant note which disrupts the harmony that might otherwise be obtained.

When a woman has a particularly attractive feature, a nose that is perfect in its contour, a cheek that might tempt a painter’s brush, or a chin that might grace a Grecian statue, she takes a small piece of court plaster and puts it where it will direct attention to that particular attraction. The ornamentation over the fireplace of a room may be likened to such a beauty spot; with this difference, however, that it is something more than a pointer, being, if rightly used, a vital part of the decoration itself. It is capable, even, of usurping the importance of the fireplace itself, so that one is conscious of the over-mantel rather than the object which it decorates. When this is the case, the importance of the over-mantel becomes correspondingly greater, and deserves the very special attention of the person rationally planning a home.

Over-mantels in the United States have gone the whole gamut of the development of interior decoration. The first over-mantels were those of Virginia, and were brought bodily by the rich plantation owners from England. Their descendants and the descendants of the other colonists could not afford to import such elaborate objects of art and there grew up the Colonial style, which in over-mantel decoration, as well as furniture, was a potpourri of the English styles that followed the one after the other—Chippendale, Sheraton, Hepplewhite and Adam ornamentation, with a mirror or a picture as the central piece.

The Colonial style still persists, and it has its undeniable charm, even though it may be lacking in individuality. It is immeasurably better than the product of the period of over-ornamentation in interior decoration from which the country is only now gaining artistic relief.

The tendency of the present day toward simplicity of arrangement, and individuality. This healthful development of the marked things in American decoration of the present day. It succeeds to an era of extravagance, when American millionaires lavished their money on interior which decorators were willing to make an example to the point of vulgarity because of the profit it gave. It must be said to the credit of the decorators of the present day that they are doing what they can to make the
I understand the essentials of beauty, based on line and volume.

America now possesses many of the best hangings and objects of art that once belonged to the old world, and this is likewise of fireplaces and over-mantels. Fireplaces have been taken bodily out of old European houses and placed in American homes, along with the paneling from walls and furniture of the period. Therefore, development of the over-mantel as seen in this country must be traced in England from the earliest times, when it took the form simply of a special arrangement of the oak paneling, with the arms of the family carved thereon, to the succeeding period of massive stone carvings, again with the arms chiseled and polychromed, to the later delicacies of Chippendale, Sheraton and the Brothers Adam. Fewer in numbers have been the elaborations of hooded over-mantels from France.

The revolt from over-ornamentation, however, has brought to the front in this country the simple scheme of hanging above the place, whose lines are those of simplicity, a specially framed picture, a tapestry or other textile, such as a rich banner, or perhaps a plaque or a panel. This falls in well with the scheme to have simple rooms with fine proportions—a much harder thing for the architect and decorator to attain than the old lavish effect. Walls, neutral in themselves, are treated as backgrounds for objects of art.

This sort of over-mantel treatment is, in a way, a reversion to the simplicity of Elizabethan times, when, if a coat of arms were not used, the ornament most preferred was a painting, as likely as not a Dutch portrait.

**FLOWER AND FRUIT PICTURES**

Light and cheerful effects, in the very best taste, have come with the use of flower and fruit pictures, which give a fine air of distinction to a room and have the merit of fitting in with almost any scheme of furnishing. So great has been the demand of pictures of this class that thousands of them have been brought from Europe in the last few years. A long list of capable artists of the past headed perhaps by Van Huysem, left these ornamental flower and fruit pictures for American home builders, as well as hundreds of their nameless followers whose pictures are also full of beauty.

Some of the most ambitious over-mantel schemes, transplanted from England, were placed in Castle Gould, at Port Washington, L. I., by William Baumgarten & Co. In the dining-room is a stone hood on which is placed an old English coat of arms, polychromed, and in the library is a coat of arms and crest carved in oak. Other notable effects by these galleries are the elaborate Henry II over-mantel in the home of Mrs. T. A. Sperry, at Cranford; a stone Renaissance effect with the bust of a Roman emperor in Mr. Daniel G. Reid's residence at Irvington and the tapestry panel effect in Mrs. Guthrie's house at Locust Valley.

Warwick House inclines to the use of paintings, some tasteful examples being the over-mantels in the apartment of Mrs. P. H. Stewart, in New York, with an Italian effect, with a portrait, in the dining-room and the use of a Morland print in the living-room. Warwick House is doing a Georgian over-panel with a portrait in the Whitehead Reid country house at White Plains.

Especially dainty is an over-mantel in the bedroom of Mrs. George F. Baker, Jr., also of New York, comprising a little English pastel portrait in a Venetian setting, planned by Karl Freund. To the same decorator is due a beautiful over-mantel effect in the reception-room of Mrs. I. J. Herszeg's New York house, consisting of two Old English embroidery pictures set with mirrors. Typical of the Georgian style is an over-mantel done by Angelica Kaufman for Rathfarnham Castle, Ireland, now on exhibition at Mr. Freund's galleries.
The design of the house is a combination of various typical New England Colonial elements modified. Houses much of this character are to be seen today in old Salem and Portsmouth. They date from about 1800. In the white panel blinds is also found a suggestion of Philadelphian Colonial influence. The scheme is simple and dignified.

The first floor plan shows a house-depth hall with library and drawing-room on one side and dining-room and service quarters on the other. The porches and verandas are paved with red quarry tile and the floors are white oak.

On the second floor the chambers are arranged in suites around a large hall. There is a plentitude of light and ventilation from numerous windows. Large closet space is also available. The rear-hall arrangement is original.

The architecture has “come through” to the interiors, which have been finished in Colonial style. The dignity of the woodwork in the dining-room is typical of the general architectural backgrounds of all the rooms of the house. Incidentally, this overmantel treatment is an excellent example of the proper arrangement for that part of a dining-room.

THE RESIDENCE OF
HENRY W. BLAKE, Esq.
AT ENGLEWOOD, N. J.
HAYS & HOADLEY, Architects
FRESH BERRIES—WITH CREAM

Wherein the Wares of the Howling Huckster and the Avaricious Fruit Store Man Achieve that Elusive Perfection Through the Medium of the Home Garden

ROBERT STELL

There is nothing particularly musical about it—that elongated howl of the huckster beneath your window. Indeed, voice is distinctly harsh when unmuffled by the distance, and his enunciation arias. About all you can understand is that he has berries of some sort for sale and that they are fresh; whether be black-, straw- or raspberries is lost in the middle motive of his song in B-Flat. Yet, you are somewhat less than hungry if those two relatively understandable words do not make you hungry. Naturally! Good berries, regardless of variety, are an epicurean treat in themselves. Notice, please, that I specify "good"—the ordinary fruiterer's "Yes, madam, very fine today—and only thirty cents a box. How many will you take?" is sometimes susceptible of doubt. Sadly enough, the same is often true of the leather-lunged huckster's vociferations; so when you really hunger for the best obtainable, I can offer just one bit of consci entious advice:

"Grow them yourself."

Strawberries come in for their share of attention elsewhere in this issue, so the paragraphs which follow have to do merely with the so-called cane fruits. Blackberries, raspberries, currants and gooseberries—these four are the most popular sorts in this country, and perhaps the most easily grown. Granted proper selection, a suitable location and the right sort of care, there is no reason why you should not raise fruit which, because it ripens on the stem instead of in the basket, and because it comes to the table indubitably fresh, boasts a perfection that the market product cannot hope to attain.

There is no mystery or magic about the successful cane fruit garden. It should have a fair share of sunshine, good soil (a trench dug 3' deep and filled with a mixture of 3/4 soil and 1/4 well rotted manure is best), plenty of moisture, and a supporting trellis for the blacks and raspberries. Early spring is the time for setting out, and while the crop for the first year will be negligible, the second season should see an abundant yield. Provided the strip selected for the small... (Continued on page 74)
There is an odd rumor. Some good woman, intent on having her home in the best of taste, writes, “I hear that pictures are going out. Is this true?”

The vision this conjures up! You see the Louvre and the Metropolitan deserted—windows boarded up, huge padlocks on the doors, weeds growing in the driveways, a policeman asleep on the top step by the entrance. You see the Sargents and the Henribs drifting about the avenues rattle and little tin cups, or going into the more lucrative business of laying bricks. You see the lovely Fragonards and Watteaux dumped on the garbage heaps of the city, along with the worn-out discards of a day.

A mad verdict on pictures. As though pictures were going out, the results might not be so different after all.

But pictures are not going out. The things genuinely essential to life never go out of fashion. They are integral elements, and the more the world becomes civilized the higher are they valued.

To live without pictures would be as unthinkable as living without music, without rainbows, without good deeds and laughter. They are essential to life. They are essential to a home, which is the heart of life. They are as necessary to the complete decoration of the rooms of a home as chairs and tables.

Even more than that. People used to think of kindly deeds as pictures. They would show pictures to the world and to fashioning the utensils of everyday life into things of beauty. An inherent craving was thereby satisfied.

In this year of grace, other cavenmen fashion things of beauty and cover canvases with visions of terrible and lovely things. Paris and London and Berlin are holding their exhibits of “trend” art. The latter-day cavenman must seek some satisfaction for his soul in the midst of murderous warfare.

The artist stands in much the same position. His work marks the transition between cave days and the present, cave habits and civilization. His expressions of beauty, grown more marvelous with the years, have become more treasured. The same folk who lament the loss of life in warfare also lament the loss of great works of art, because art has become essential to life and to destroy the creation of a master hand is almost akin to destroying ruthlessly the tender life of man.

Conceive the world without pictures and you conceive chaos. Pictures are stabilizers. They can be weighed against crime and passion and gross materialism and ugliness, and never be found wanting.

So then, when for some commercial purpose the rumor is spread abroad that pictures are going out, we might just as well throw all the good things of life into the discard. For when the appreciation of good pictures passes from us there will also pass the appreciation of honest workmanship, the sense of the good line and good proportion.

To-day life is of this character men must have walls that talk and breathe. Against these walls we live and at these walls we look, not only for peace and beauty enshrined as it should be—the writing on the wall. In enshrining beauty as it should be lies the secret of modern decoration. Have only the necessary furniture in a room, but have it of honest workmanship, of good line and good proportion. Place it so it will be convenient and comfortable and sit on it—much more comfortable than the floor, else why chairs? It must be convenient—light enough to move about, not cover our walls with pictures. Our busy America has always been a writing on the wall that told men of the demands of something more than the mere physical requirements of living bone and tired muscle. We must have pictures on the wall.

No national decoration will be truly complete until Americans are coming in. Americans need pictures. No nation under the sun desires them so desperately. No national decoration stands in greater need of pictures on the wall.

Let us make the most of this opportunity. Let us cherish the works of many lands. Americans can inscribe themselves—the appreciation of pictures in the home.
An architect alone cannot make a house nor can Nature alone make one. Together they can create a work of great charm and beauty. Here the architect made the house—James T. Kelley's, at Philips Beach, Massachusetts—and Nature made the setting. That is how the intimate dooryard came to be. Kelley & Graves, architects.
THE DELICATE BEAUTY OF CHINESE PORCELAINS

GARDNER TEALL

Although the modern reproductions of the old Chinese porcelains cannot compare in every detail to the originals, they are sufficiently faithful to satisfy the most fastidious decorator. The originals of the illustrations shown here are in the Altman Collection of the Metropolitan Museum of Art. The names of shops selling originals and reproductions will be furnished on application to The Information Service, 445 Fourth Avenue, New York City.

With countenance of glazed hauteur and shining parti-colored garments—the goddess Kuan Yin, Ming Period, in porcelain.

NOT to know something of Chinese porcelains, their history and their periods, is to be denied a pleasurable interest. The old porcelains of China are the ancestors of all the chinawares of the world, and never have the finest antique fabrices of the Celestial Kingdom been surpassed or even equaled in beauty and texture.

The potter’s craft, as we all know, had its origin in the dim ages of the past. Even the discovery of true porcelain must be dated so far back that we have no authentic record of the era of its origin.

The literature of China ascribes the invention of true porcelain to some twenty-five hundred years before Christ, but we cannot be certain that the art of porcelain-making was known and practiced until, perhaps, after the 7th Century. While Chinese literature of the early periods abounds in references to porcelain, we have not a single authentic dated piece of the very early dynasties. It seems plausible to advance the theory that true porcelain was invented or discovered in the Han Dynasty (206 B.C.-A.D. 220).

Okakura, an eminent Japanese connoisseur and authority, has suggested that true porcelain was known to the alchemists of the Han Dynasty. The alchemists of the Han Dynasty came acciden- tally upon the discovery of the wonderful porcelain-glaze without the intention of making porcelain.

The literature of Chinese authors of the Han Dynasty is rich in references to porcelain. For instance, says:

“The porcelain of the kilns is light yet strong, it rings with a low jing, and is famed throughout the empire.

The fine white bowls surpass hoar frost and snow.

The white bowls of Hsing-chou in Kiang and the blue bowls of Yuen-chou in Kiang were highly esteemed and celebrated in song and story.

The Arabs and Chinese were conducting a flourishing trade during the 8th and 9th Centuries. To Soleyman, one of the Arabian traders who wrote an account of his journeyings, we owe the first mention of porcelain.

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Paler than the lapis lazuli some of the Hawthorn jars display, these blues have a soft loveliness and graceful formality. K’ang Hsi Period.

On a background of polished black—eclipsed green, white, yellow and grey. K’ang Hsi Period.

Covered jars of the Yung Ching Period, the surface of each a springtime tapestry woven of brave colors on a background of tender greens.
told, with the sandy, ill-levigated
I
mixte with horse's lung, (5) dark
lan. The glazes were remarkable for
is introduction to the Catalogue of the
i-greens or to sea-green hues.

is the famed Celadon Ware made in
Ju-Yao—
lents. The porcelains of the Sung
Dynasty (960-1280), the Yuan
we have today is through the litera-
It as a musical stone of jade."

1 porcelain "as blue as the sky, as
1 porcelain "as blue as the sky, as

59) of the brief Posterior Chou
time of tlie Emperor Shi Tsung

le time of the Emperor Shi Tsung

self than paper and as
at as a musical stone of jade."

The ceramic production (yao)
in the province of Honan in the town
called Ju-chou-fu—a Sung Dynasty
in therefore designated as Ju
famous for the qualities of its blues
Chinese poets assure us rival the
blossoms of the Vitis inca shrub,
asky Blue Flower" of the Chinese.

Sung and Yuan Porcelains

Imperial Ware of the Sung Dynas-
the Kuan Yao (two Chinese words
"official ceramic production")
here was the Ko Yao porcelain, the
crackled ware; and the T'ing Yao, a
in having a delicate resonant body.
seems to be the most commonly met
among the wares of the Sung porce-
Lung-ch'ien Yao of the Sung is the
named Celadon Ware made in
province of Chekiang. The Celadon
of this dynasty is distinguished by
non-sprout green color. The Celadon
of later periods turn more either to
greens or to sea-green hues.

Ch'in Yao, Dr. S. W. Bushell tells
is introduction to the Catalogue of the
Collection of Chinese Porcelains,
only loaned to the Metropolitan Mu-
his was a kind of faience made at
now Yu-chou, in the province
han. The glazes were remarkable for
brilliancy and for their manifold varie-
color, especially the transmutation
is, composed of flashing reds, passing
mesh with every intermediate shade of purple
the blue, which have hardly been
since. The great variety of glaze
turned out here in former times may
hered from a list of old Ch'in-chou
sent down from the palace to be
nted at the Imperial potteries at
'te-ch'en in the reign of Yung-ch'eng
the, the list comprising (1) rose crim-
20 Pyrus japonica pink, (2) auber-
purple, (3) plum color, (4) mel's
horse's lung. (5) dark
(6) yellow-millet color, mi-ai, (7)
red, (8) furnace transmutations, ya-
or flambés. These were all repro-
red in due course during the first half
18th Century on porcelain, and the
white body was in marked contrast.
told, with the sandy, ill-levigated
of the original pieces. The only
ing porcelain ware of the Sung

This vase of dead silvery white personi-
ness opaqueness, suggestive of white
Ch'ien Lung Period

Delicate as the tones of an Oriental
print, this design overlies a milky
blue background. Yung Ching Period

Blue and white—a fuzzy Chinese dog
and a bird chat on this straight-shoul-
dered jar. Ch'ien Lung Period

Dynasty which requires a word of notice
is the Ch'iien Yao, produced in the province of Fukhien, where the black enameled cups
with spreading sides, so highly appreciated
for the tea ceremonial of the time, were
made. The lustrous black coat of these
cups was speckled and dappled all over with
spots of silvery white, simulating the fur
of a hare or the breast of a gray partridge,
hence the names of 'hare's-fur cups,' and
'partridge cups' given them by connois-
seurs of the present time.

These little cups were valued also by the
Japanese at immense prices, and were
mounted by them with silver rims and cun-
ningly pieced together when broken with
gold lacquer."

The Cobalt Blues of Ming

We now come to the Ming Dynasty
(1368-1643), and in the reign of Wan-h
(1573-1620) the art of making and dec-
orating porcelain had so advanced that
native contemporaries were fond of declaring
that there was nothing that could not
be made of the porcelain. It has been said
of the porcelains of the Ming that they
look their age and that they never fail
to disclose their period to the initiated eye.
The cobalt blues came into favor in
this period, and it is also the time of the famed
"Mohammedan blue." European and
American collectors have given a great deal of
attention to the Blue-and-White porcelains
that came in with the close of the Ming
Dynasty. It was between 1662 and 1722,
however, that the very flower of the Blue-
and-White porcelain was in full bloom.
This marks the reign of K'ang Hsi.

The K'ang Hsi Period was the cul-
mating one of Chinese ceramic art. Says
Bushell (in "Chinese Art")": "The brilli-
ant renaissance of the art which distin-
guishes the reign of K'ang Hsi is shown in
every class; in the single-colored glazes, la
qualité maîtresse de la céramique; in the
painted decorations of the grand feu, of the
jewel-like enamels of the muffle-kiln, and of the
unfolding combinations of the pulsating
glaze and the inimitable 'blue and white.' Porcelains
of the famille verte class pervade the period,
while those of the famille rose class may
be said to have ushered in its close.
The great art that give the porcelains of the
famille verte and the famille rose classes
their names are indeed gem-like in their
beauty. Precious, too, to the collector are
the Blue-and-White or the Black Haw-
thorn jars of the period. Hawthorn is
a misnomer, for the prunus blossom and
not the hawthorn blossom furnishes the
motif of the decoration.

"These charming jars, originally intended
to hold New Year's gifts of fragrant tea,
are painted with a floral symbolism design
appropriate to the season. The blossoms
and the prunus blossoms and buds reserved
with red on a pulsating blue ground, cross-hatched
with lines of darker blue to represent crakcing
ice."

Glaze and Marks

The master-quality of fine porcelain
is its glaze and the glazes of old Chinese por-
celain have never been surpassed. The
(Continued on page 68)
The rugosas stand first in the list of good hedge roses. They reach a height of 6' to 9' and their foliage is especially thick and attractive.

Silver Moon, a superb hardy climber, is white with yellowish stamens. Its delicately fragrant blossoms, 4" in diameter, are borne on strong stems 12" to 18" long.

Over the outside of the moss rose bud a curious mosslike covering which adds to their attractiveness. Above is Gli de Mosses.

THE EVER ESSENTIAL ROSE

Is More Worth While Today than Ever Before
—New Types and Varieties and How to Care for Them

F. F. ROCKWELL

It is unnecessary to enter any special plea for the rose. Since the dawn of romance and poetry hers has been the first place, not only in literature, in lore, lyrical and lay, but in popular fancy and the affection of many as well.

In ancient Greece the rose was sacred to Aphrodite—who, by the way, was a feminist of parts, being the Goddess of Gardens along with her many other social, religious and irreligious activities. And the rose has been the most international of all flowers. It has graced the songs of the immortals in all climes. At the hand of the tent-maker in a Persian garden at Naishapur, or where Sappho touched her lyric lyre, or some Gaelic bard entwined it in his melodies, the rose has lent itself to the spirit of a people.

Ranging from the heavily scented, densely folded petals of deep yellow or dark crimson—gold and blood!—to the frail but inexpressibly charming beauty of the most delicately flushed or purest white single form.

It is small wonder that the appeal of the rose is universal; that in its infinite variety there is a flower not only for every person, but for every mood; and that while, in popular enthusiasm, other flowers may come and go, the rose loses not in favor, but goes on.

Ancient as the rose is, however, it is no exaggeration to say that in the last two decades more has been done to develop and perfect it, and make it universally available, than in all the preceding centuries. We have not yet reached the end. In fact, it is the well considered opinion of many of the best informed rose authorities that we are only at the beginning of a new era in the development of this wonderful flower, and that the next twenty years will see even more remarkable achievement than ever before.

Among garden roses, while with forms and colors which leave little desired, there is much room for improvement in hardiness, in disease resistance, good growth of foliage, and in color of flower.

Color; fragrance, flower (size and stamens); evergreen tendency, a c t e r o f i n c r e a s e in hardness; and hardiness in these characteristics have been considered essential to a variety, so the layman will see that it is not a tremendous task to breed a flower which will score uniformly on all of these points. What breeding has
must continue to be, by a labor of love, never a labor of love, never; more science and systems are being brought to it year, and these things beginning to tell.

THE OPPORTUNITY

To he who would have not wait for that rose which some en- tists dream of. With the new available, they may under almost all con- sit, and from one end of the year to the other—every around the year, in fact, you have some greenhouse which may be devoted them. The range of kind," as distinguished varieties, is not even yet functioned as widely as it would be; but information in direction is fast becom- common property. One now have roses, if the are carefully selected, in any place where there for a plant to grow in the grounds—or, if put in a window box. June is the "month of roses;" now, for every thousand hars that morning brings, evening takes away, on beds where a mass of color July can have, if not a thousand more, at least a goodly number.

FACTORS OF SUCCESS

No matter how many good roses there may be available, however, the price of success with roses must be a careful study of their requirements and eternal vigilance in seeing that they are supplied. To avoid plunging at once into a sea of detail in which the beginner might feel hopelessly lost, I have attempted to classify here, under four general headings which will be easily understood, all of the various things to which attention must be given.

First, the selection of suitable types, varieties and plants for such conditions as exist in any particular case.

Second, the providing of conditions which will be congenial and stimulating to roses in general and to the kind selected in particular.

Third, culture: such practice in the way of planting, cultivating, manuring, supplying moisture, fertilizing and pruning as experience has shown to be best.

(Continued on page 84)
At last—a sectional bookcase suitable for the living-room! This Sheraton design in mahogany with ivory lines, $194. In dull finish without ivory, $94.

Windsor chairs invariably please men. This type is excellent for its strength and lightness. It may be had for $9.75.

To right, upholstered Queen Anne armchair in denim, $58. William and Mary desk of mahogany, 22" by 42", $95. Mahogany desk chair, $14. Smoking stand with glass ash receiver, 24" high, $2. Lamp on desk of gold and black lacquer, $6.50. Black and gold damask shade, $4.

Assembled above is a group of excellent furniture for a man's study or library. The refectory table is of walnut, 30" by 78", $77.50. Long bench, also of walnut, 15" by 72" by 17" high, $35. At back is a commodious oak Welsh dresser, Jacobean design, 29" by 66" by 74" high, $140. To right of table is a comfortable chair covered in denim, $90. It can be upholstered in any other fabric with relatively more cost. The small bench by it is walnut, 14" by 22" by 20" high, perfect for a smoking stand, $25.50. The chair to left of table, 34" high, $27.50. The lamp is of Jacobean design executed in carved oak, 29" high, containing two lights, $51. Simple shade of shirred silk, 26" wide, $34.

We believe in giving Father a chance, and this furniture has been especially selected for him. It can be purchased through The Shopping Service or we will supply the names of the shops where you may write to the Service at 443 Fourth Avenue, New York City.
FIFTY-FOOT garden can be made to supply the table of the average family of five persons with fresh vegetables during the year. If supplemented by a three-sash hotbed it will furnish all the things usually planned for in advance of the seasons. If surplus vegetables are raised at home, the garden's products may be enjoyed during the entire year.

There are two ways of planting a garden. The first is primarily for the short time pleasure of the family, the second for the permanent garden because they require different treatment. Either method is better, not only because it is more expensive in the short run, but also because it is less expensive in the long run. But where a family is temporarily irresponsible, it would be better to utilize the entire space for the short time pleasures. If there should happen to be too much labor for family cultivation, during the winter, none need be given to canning or other storage, because the vegetables may be plant in the garden and on a line with the pear trees across the fence on that side of the garden, three plum trees, 10' apart, one Green Gage, one Abundance, one Burbank. Between the plums and the upper boundary line of the garden, set out five Victoria currant bushes, 3' apart. For a year or so, while the fruit trees are small, a row of early vegetables may be planted in between, such as lettuce, radishes, peas, or beans. The fruit may be planted in either fall or spring, in October, March or April.

Intensive gardening as mapped out on the plan above will bring remarkable returns if proper attention is given to cultivation. The first year's yield of vegetables should be worth $30 to $40. The outlay for the first year should be $25.

EXPENSE AND CARE

The expense of the garden may be small, the cost depending upon whether work is done by a hired man or by members of the family. One plan is for the man of the house and his wife to bear the responsibility for the garden, with help of the children. If he happens to be a lover of nature which makes of him a born gardener, he will not pass on to a paid worker the pleasure that is to be found in digging the ground, in planting, in watching the little green things come up, grow, blossom, and mature. He will keep this happiness for himself and his family, especially for the children. It is well to have a man spread a two-horse load of manure over the ground and then plow it in deeply, but all other work may be done by the householders in the early mornings and late afternoons; for a little, regularly done

A FIFTY-FOOT GARDEN WILL GROW

Mary Rankin Thomas

Ample Returns in Fruit and Vegetables Achived by System and Careful Distribution of Space

The Fruit Trees

Three feet from the back fence, on one side, place three Bartlett pear trees, or two Bartletts and one Duchess, 10' apart. Six grapevines are trained over the back fence, three Concord (black) on one side, three Niagra (white) on the other, 3' apart. On the opposite half of the garden, 3' from the back fence and on a line with the pear trees across the walk, place three peach trees, 10' apart, one Mountain Rose (early), one Elberta (mid-season), and one Late Crawford. Along the lower end of the fence on that side of the garden, place three plum trees, 10' apart, one Green Gage, one Abundance, one Burbank. Between the plums and the upper boundary line of the garden, set out five Victoria currant bushes, 3' apart. For a year or so, while the fruit trees are small, a row of early vegetables may be planted in between, such as lettuce, radishes, peas, or beans. The fruit may be planted in either the fall or spring, in October, March or April.

In the spring the first thing to do is to make the hotbed, which we shall illustrate, in a space 5' by 9', next to the central walk and on a line nearest the dwelling house. This hotbed of three sash will give all the seedlings for transplanting, besides early and late lettuce and radishes for the table. The space should be dug out 18" deep and a little larger than the frame of boards which is built around it, 2' high at the upper side, 1' lower at the opposite side. Good stable manure is now put in to a depth of 18", then a 6" layer of good soil mixed with sand, half and half. The sash is put on and the bed allowed to heat. The temperature will rise rapidly. When it reaches 90° the hotbed may be planted. The best way to do this is to take a piece of board, 2' or 3' long, and make shallow rows by pressing an edge of the board into the soft earth, spacing the rows 6" apart. Now sow the tiny seeds and cover them lightly; then firm the soil with

(Continued on page 6)
The group around this fireplace, as shown here and in the view opposite, is a work, rest and play center, the furniture being grouped according to its use.

I t is just as natural for furniture to fall into groups as it is for human beings. The primary essentials are, in each case, that the groups be composed of the right units and that they be in the right place in the room.

Since groups will necessarily be either well or ill composed, either well or ill placed, it behooves us to consider the principles of their successful formation and management, for success in the composing and placing of groups is not the result of chance but of the application of fundamental rules.

A furniture group is a number of pieces of furniture brought together either because of some affinity of function that creates a bond of relationship between them or because of some obvious fitness in creating an agreeable decorative composition.

As an example of the former might be mentioned a tea table with several chairs and a "curate" or plate stand; or, before a fireplace, a sofa with small tables at the ends or a long table in back to hold reading lamps, books and magazines.

As a familiar example of the second sort might be named a console cabinet or table with a mirror hung on the wall above it.

The arrangement on axis is regular and balanced, giving the room the dignit}' of the tapestries, the fireplace, and the sconces flanking the mirror and flanking the console cabinet.

The group need not be much larger. Indeed, it may consist of one piece. This sounds like an oxymoron: The fact is that one finds a piece of furniture, as, for instance, a coral red lacquer cabinet, that is so pronounced in its concentrated emphasis of its characteristics that its force would be impaired by the proximity of other pieces. Of such a piece is fully capable of supplying all the decorative interest that one room can stand without muddling the eye. It properly be considered, therefore, a piece of one, which it is potentially. Nor such a piece be large of bulk to entitle it to classification by itself.

The units or individual members of which groups are formed may be classified in the first place, as "wall furniture," as cabinets, cupboards, tall secretaries, cases, mirrors and similar objects whose form, size, or shape, from the nature of their shape, size, or form, must necessarily be placed against a wall. In the second place there is a classification of "floor furniture," that
First, the room itself as it is arranged without an axis. In the bow window
is a dining corner. The rest of the room serves for living-purposes

GROUP FORMATION

Ordinarily the larger and more important pieces of furniture will be-
low the natural centers about which sidorial pieces will be grouped. If
larger things are well arranged, smaller things, the mobiliary satel-
les one might almost call them, will naturally grow into fitting posi-
s. The composition of each group in itself is restrained, coherent
logical. In forming these groups is exceedingly important to divest
self of preconceived notions it a certain object or a certain kind
object of necessity must enter into a composition of a room, or occupy
certain place in a room. One must be up the task with a clear, unbiased
being guided only by the imme-

Finally, the room itself as it is arranged without an axis. In the bow window
is a dining corner. The rest of the room serves for living-purposes

the relationship between doors or windows where it would barely fit
a piece in the space be-

the treatment of the wall

 WINDOW

the character of the

during the “wall furni-

accommodated to the ex-

space above it must be

which to dominate its

The next step after completing the

survey of architectural features is to
decide upon the logical placing of the
larger and more important pieces of
furniture, the nuclei of the group that
will be completed later. And in this
process we naturally dis-
pose of the “wall furni-

first. In so doing, the characters of the
pieces themselves will, to
a certain extent, deter-
mine their placement.
For example, a long 16th
Century Italian table will
naturally have the longest
unbroken wall space
assigned to it. In most
conditions, it would be a
bad mistake to set such
a piece in the space be-
tween doors or windows
where it would barely fit
it, leaving no room for
chairs or other flanking
objects. Such a piece de-
gravates a sense of space
in which to dominate its
own group. Moreover, the

treatment of the wall
space above it must be
accommodated to the ex-
ist ing conditions.
In this matter of the
relationship between
wall adornment and furniture
grouping it may be ob-
erved that oftentimes a
certain place has to be
assigned to a certain
(Continued on page 90)
There's a breath of the sea and wind-swept dunes in this gull cretonne for the seashore house. It comes with black background, old blue and brown designs with birds in yellow, white and mulberry, or a putty background with taupe and blue motifs and yellow, red and tan gulls.

36" wide, 59 cents a yard

To left and below, a linen that comes in a variety of backgrounds — mustard, black, white and natural linen with rose flowers, brilliant green foliage and bright colored birds. 36" wide, 59 cents a yard

Quite European in character is the quail bird design going so well with English furniture. On a black stripe figures in greys, brown and putty cream stripe carries cool green foliage, mouse and mulberry flowers and green and brown crimson-breasted birds.

wide, 59 cents a yard

To right and below, a cotton taffeta wisteria, charming for the country house. Background is white, leaves cool green and flowers in natural violet or soft shades of rose. It comes 36" wide and is priced at 48 cents

For the living-room, sun parlor or porch comes a gay cotton taffeta shown above. It is procurable in many color combinations; the best having a white background with black foliage and mustard, rose and blue flowers; another with mustard, mouse and blue flowers. 48 cents
Although unsettled conditions, the new linens and cretonnes are unparalleled for their variety of patterns, beauty of color. Nine of these latest fabrics, created especially for Horace & Garden's readers are on hand with suggestions for their use. Names of these will be gladly furnished or purchases can be made by writing to The Shopping Service, Horace & Garden, 445 Fourth Avenue, New York City.

We are recovering from Poiret—Heaven be praised! A few years back the color cacophonies Poiret and Hoffman gave the world a shock. But we took them into our homes, nevertheless, even though they weren't living. The latest line of fabrics seems to be awakening. Colors are less startling, though no less brilliant; they are blended. Designs are more natural and, on the whole, the fabrics are more comfortable to live with than of yore.

The most popular colors? Judging from demands of those who shop early for their Spring fabrics, one would say that shell lavender, navy blue and Alice blue combined with lemon yellow, and emerald sage green are the predominant tones. Black and white as a combination, of course, has quite gone out.

And from these unsettled times we have gained at least one benefit—the imported linens that used to fetch sky-high prices are now being copied in a more reasonable manner by American manufacturers. Moreover, the increased use of linens, cretonnes and similar fabrics is evidently so encouraging to the manufacturers that, in spite of the conditions that exist in Europe, the Spring showing is resplendent with pattern showing originality and genuine worth in both design and color.

(Continued on page 82)

The Jack-o'-lantern pattern on the chair and above comes in several shades of blue, crimson and violet against white. It is even more effective with a black background and orange, green and old blue motifs. 50 cents a yard.

A beautiful example of hand-blocked French cretonne, suitable for upholstery or curtains, comes with a putty color or black background and sprays of flowers in greens and browns, red, violet, tan and grey. 31" wide, $1.75 a yard.

"Jewel Cloth" is a new departure in domestic cretonnes. On varicolored backgrounds, but particularly effective on black, are sprinkled gold dots. White trees and gay flowers are silhouetted against it. 36" wide. $1.35 dotted ground; 85 cents plain ground.

A very modern apple design fabric suggests the dining-room. On a white ground are brown twigs, green leaves, natural color blossoms and red and yellow apples. One color line is shown in the photograph above and the other—with a black background and violet apples—in the drawing. 36" wide, 55 cents a yard.
At the eaves there is a special problem caused by the necessity for accommodating straight shingles to the curves. The method is shown above.

In the open valleys a curved piece of boarding is fitted in before the shingles are nailed on. A sheet of copper or lead insures it against leaking.

**SHINGLE AND THATCH FOR THE COTTAGE ROOF**

The Old and the New
On the Modern House

**INSTINCTIVELY** all men love a cottage in a dell. It would seem to typify simplicity, intimacy and contentment—virtues that we crave in an age of complicated living and glacial indifference to the things that count. And so we visualize the cottage—a little dwelling beneath a thatched roof, a tiny giant with tousled hair.

While it is true that the cottage type of architecture has suffered many alleged improvements and modifications, the roof of the cottage permits no such changes. Thatch, either in its old form or in the form of shingles laid to simulate thatch, is a sine qua non in satisfying cottage architecture.

**SHINGLE THATCHING**

In the best style of shingle thatching, the shingles are laid 1 1/2'' to the weather, thereby making the thatch ten or twelve courses thick. This makes a heavy roof and, of course, a more expensive roof than one on which the shingles are laid regularly. It has the advantage of preventing leaks, however, a danger current with shingle roofs where the wood warps under the heat of the sun, especially on the exposed curves of ridges and eaves.

The choice of wood to use for this purpose is not restricted, although white and red cedar are preferable. For this sort of roofing cypress is too stiff. These shingles come in bundles of 250 each, and length vary from 12'' to 16'', 18'', 24''. There is a varying width in individual shingles, and those that are too wide the carpenter splits as he nails them on the furring. In the course of weathering the split becomes compound.

The foundation for shingle thatching is composed of (1) the roof rafters themselves, which in this case should be especially heavy because of the weight of the many courses of shingles, augmented in rainy weather by the quantities of water the wood sorbs; (2) preferably a roof-board or sheathing should cover the rafters or forms, following the curves set them; (3) a heavy roofing felt, on which the thatch is nailed.

**EAVE TREATMENT**

The shingles are, as has been noted, laid in courses about 1 1/2'' to the weather, resulting in a very heavy roof. At the eaves there is a special problem, caused by the necessity for accommodating straight pieces of wood to the curves. Here the shingles, though of varying widths on the roof itself, are uniformly cut very narrow, running from a scant inch, or even less, about 2''. By overlapping them the problem of the curves is overcome, and so many shingles are used—they are sometimes six deep—
The key to the longevity of a thatch roof is its ability to shed water effectively. Thatch roofs are made from various materials, each with its own advantages and disadvantages. When considering the expense of a thatch roof, it is important to factor in the climate in which it will be installed. In some climates, thatch roofs may require more maintenance than in others. For example, in areas with high winds or heavy snowfall, additional materials may be needed to protect the thatch from damage. Additionally, the choice of materials can affect the aesthetic appeal of the roof. For instance, using natural materials such as straw can give a rustic look, while using more modern materials such as synthetic shingles can create a sleek and contemporary appearance. Ultimately, the decision to install a thatch roof should be carefully weighed against the needs and budget of the individual or organization.
In the bright lexicon of Pullman cars there are no names that compare with the life stories blazoned on the sides of the Birmingham Tally-Ho coaches. Modern social opportunities, too, are tame.

And what hostelry of today can boast the importance of The Nelson Inn? What are a beggarly half-dozen taxis against the "four-in-hand, whiskay, buggy, gig, dogcart, curriele and tandem"

**BUCKS, FRILLS, and HORSEFLESH in OLD ENGLISH PRINTS**

*Ancient Gossip and Scandal that Lend an Air of the Ancestral to a Room*

**CLIFFORD POPPLETON**

Prints by Courtesy of M. Knoedler & Co.

Furniture by Hampton Shops

You are waiting one day in the roomy hall of some friend's country home, before a cheerful open wood fire, perhaps, what time George puts on his heavy shoes preparatory to joining you in an exhilarating tramp through the cold-whistling woods of early winter, when your glance leaves the dancing firelight for a moment and notes an old print hanging in a thin, black frame above the heavy oaken mantelpiece.

Your deep chair before the cracking logs is too pleasant to get out of, though, and you think, as you toast your toes, of the big snows that are due, and what times they must have had of it traveling in the old days before the limousine and the luxurious transcontinentals simplified locomotion.

Having a hazy liking for prints, scenes of ye olde Englishe stagecoach days and that sort of thing, don't you know, you resolve that when George comes down, and it is really necessary to cease basking, you will take a good look at that fellow up there.

Your knees begin to get so confounded hot, however (bless the fellow, he's had time to put on forty pairs of shoes), that you get up, and George arrives just as you are tiptoeing on the hearth with your muddy feet in an endeavor to look at the print and avoid scorching your shins at one and the same time—and not succeeding.

Being a man of some practical sense, George takes it down, and leads you firmly over to the window-seat where you may admire it in comfort without danger of complete incineration.

"Fine old thing," says he casually. Mighty little cares he for your opinion; you are no collector.

"A Barouche." You read the title. H'm, so that is a barouche. It is like nothing so much as half an eggshell, oval end down, suitably paneled, and sprung high and dry above four spidery wheels; a Cinderella's coach for fragility. How any woman ever got into one of these contrivances into your comprehension. There's no sight, and it's four feet if it is an inch from the ground to the floor of the shell. Ah! maybe she was lifted in; the idea, decidedly. Some women lifted in, anyway. 'Twould come near to a gallant age, 'pon my honor.

But there's more in the print than barouche, there is fine action, lord Boldblade is on the box, full of reins and whip, and tooling four spadry grays the road at fifteen an hour, you're a Dutchman. Two slanted flunkies are perched up under the back of the equipage.

"By gad, they're stepping it!"

"How's that for horseflesh?"

"What an elastic motion!"

"Those fellows led a rare life, I should say."

"How much did it cost you?"

"Two hundred and eighty, auction in New York."

"For the love of Mike, what price?"

"The bidding started at ten, and there were half a hundred fifty in the game up to a hundred sixty. It's a rare impression, graved by R. Hixon, 1813."

"Any more around?"

"Yes, I'll show you some. Let's get out now, or we shall be back late for supper."

And so it goes; George sells you one or two prints cheap if you buy others whenever chance offers. Sometimes he lets you spend ten and sometimes fifty is a new excitement in life.

(Continued on page 64)
The feathery foliage of arbor vitae and the richer green of boxwood hedging stand out in marked contrast to the lines and color of the brick and cement wall.

Approaching the garden from the side, five steps lead down from the higher ground. From them the axial walk leads to a pool and fountain in the center.

Save for the rough flagged smaller pathways, it is a brick walked and brick walled garden. Pleasantly relieving shadows are cast by the projecting bricks in the wall, which are regularly arranged.
Hollow tile, coated with rough-texture white cement plaster, forms the exterior walls. Pleasing contrast is introduced by ivory-painted woodwork, stone foundations and solid, dark green shutters. A really novel note of effective exterior development is found in the roof treatment.

Although the roof is of shingles, it is as rich in color variations as though mottled slates had been used. Prior to their application to the roofing frame, the shingles were dipped in several different shades of green stain and then applied at random.

A COUNTRY COTTAGE OF COMPACT LINES

WALLACE & WARNER, Architects

On the first floor an hexagonal hall is created by the provision for a small corner closet and a diminutive passage leading to the kitchen. From this passage stairs lead to the basement, a door being located at the landing to permit convenient and ready access to the cellar from outdoors.

Although the roof is of shingles, it is as rich in color variations as though mottled slates had been used. Prior to their application to the roofing frame, the shingles were dipped in several different shades of green stain and then applied at random.

The upper floor is marked by rigid economy in the allotment of hall area and by a proportionate prodigality in closet space. In addition to the storage facilities on this floor is a large attic store room above. The plan is compact and livable.
The fireplace is the focal point of the room. It is also the point about which furniture is naturally grouped. For this reason it should be given a decorative treatment that justifies its prominence. In the residence of George E. Turnure, Esq., in New York City, is the fireplace pictured above. Its dignity lies in the faithfulness of its architectural detail. In the broken pediment is set a basket of flowers. The simplicity of the mantel furnishes is in keeping with the lines of the overmantel. Miles & Greenleaf, architects.
The livable living-room affords open restful spaces and the furniture is so grouped as to form centers of convenience and comfort. But there are winter centers and summer. In this view of the living-room of the residence of J. S. Schieffelin, Esq., at Monroe, N. Y., the centers of interest are for summer. The decoration is consistent in every detail from the hand-adzed beams and brocade fringed frieze to the broad floor boards. B. B. Smith, architect.

Nothing is more successful for the background of a room than wood properly paneled and inlaid. It has dignity, diversity of interest and warmth of tone. In the residence of William Tully, Esq., at Locust Valley, N. Y., wood has been used. It gives formality to the entry and makes a perfect setting for the Galaxias and the few pieces of well-selected furnitur. Kenneth Marchison, architect.

The popularity of the Italian mode in decoration is unquestioned. It is spare but comforting, dignified but not too cold. Our Americans require backgrounds of this character. The ing-room to the right shows that mode consistently carried out in both furniture and architectural background. It is in the residence of W. W. Lawrence, Esq., at Watch Hill, R. I., which Matt B. Schmidt was the architect.
The beauty about wicker, willow and reed is that they combine so well with painted furniture and with mahogany and walnut in informal rooms. The living-porch above, which is in the residence of George E. Ide, Esq., at Locust Valley, N. Y., is informal in its green lattice frieze and woodwork laid directly against the white brick wall. Mahogany and reed in natural tone have been successfully mixed. The floor is of small red tiles with fur and Indian rugs thrown over it. The davenport by the fire are comfortable and well placed.

J. Gamble Rogers, architect

Aged rooms and bedrooms require only the occasional pieces of furniture. An example of this is seen above, in the residence of C. L. Jay, Esq., at Glen Cove, L. I. The walls remain plain, interest being given by one or two bold prints. The curtains are simple and fitted. The furniture is conducive to restfulness and the lighting is so arranged as to give maximum of service and effectiveness.

Charles A. Platt, architect

Unusual entrance hall has been created in the residence of Dwight Holbrook, Esq., at Hart- ford Ct. The floor is of large flagstones laid irregularly in wide white bonds of cement. The woodwork is hand-adzed with white plaster between. Above are lights of leaded glass small panes. An outside fireplace is built in one corner.

R. F. Barker, architect
FLOWERS OF THE RAINBOW GODDESS

GRACE TABOR

Iris flowers last from three to six days. Cut them before the petals unfold, to get the fulness thereof. Never bunch them in vases, but arrange singly, with a leaf or two, in a Japanese flower holder set in a flat, shallow bowl of water. This alone preserves the character of the flower and leaves.

NO flower is so happily named as this namesake of the rainbow goddess; for what but the rainbow's self is of such color as the iris? Look carefully and for a long time into the depths of almost any common iris flower, and you will see these colors come out more and more, as it were — see them glistening on it much as they play on the filmy surface of a great bubble. Like the rainbow in very truth, here is a flower that shatters the shafts of light which fall upon it into countless tiny darts of pristine color, so that the entire range of the spectrum's scale plays under the vision of the close observer.

That this is not true of every part of the flower I am perfectly willing to admit, but that it is true of the heart of the aver-
ern Russia, with deeper coloring generally, the outer segments of the flower, or "falls," being richest, warmest brown like old port wine, while the inner segments, called the "standards," are bright yellow veined with the darker shades. Once fixed in the mind, these species will nearly always reveal themselves in their hybrid offspring.

With the Japanese iris we take up a totally different race— as different as these people of the Orient from whose land they come are different from the people of the western world. The plants form strong clumps, but the leaves are thinner and

All irises should be naturalized, which in this connection does not imply "wild" planting. These two forms of Spanish iris suggest the considerable range of color obtainable

longer and therefore more grass-like than those of the sorts just considered. The color of the flowers never gets away from white, blue or purple, though wonderful combinations of these exist and gradations of color almost unbelievable and they themselves are immense, flat-topped things, hardly recognizable as iris the first time seen, save that there is of course a marked family likeness.

In the gardens of their native land they not infrequently attain a diameter of 12" and though they do not equal this here, owing perhaps to our devoting less careful attention to their care and feeding, they are

enormous, and a month later in bloom than all other irises which we have.

This species is Iris Kaempferi, or Iris kaeopi—the names are synonyms— native to Japan and the eastern portion of Siberia. The first plants were brought from the Orient to Ghent away back in 1857; but for some reason, popular interest in them has only recently seemed to awaken. In the beginning, of course, only the hybrids produced by the wizards of Japan were available; but western growers have taken a hand and developed some lovely varieties. All from Japan are supposed to be variations of the species bred by careful selection rather than by crossing, but the European growers have hybridized kaeopi with setosa (which is also a Japanese species).

**English Irises and Others**

The species which we call English iris (Iris siphoideus) is said to be the longest of any in cultivation, in the western world. It came originally from the Pyrenees Mountains, and differs from the other species already discussed in being a bulbous-rooted plant. The Spanish iris is also bulbous rooted, and there are numerous others belonging to this division which are not generally cultivated. These are offered in the fall usually along with other bulbs, for fall planting. They are perfectly hardy and will multiply rapidly when once established. Certain no one ought to be without them, for there is no more graceful flower in the entire family than these two. I couple them, for they are closely allied and very much alike, although the Spanish iris shows greater color variety and contrast. The former is earlier, the English, and is more delicate in flower and leaf. Its proper name is Iris xiphium; but dealers list it as Iris Hispanica, while the other so-called English iris is sometimes dubbed Iris Anglica. In ordering it is well to remember this, for otherwise a catalog may not contain either one, save for the scent and the later blooming period. It blooms about a month earlier in June. The variety speciei is this is lovely, with light blue flowers on long stems.

Iris is of our gardens genera, then, is of the so-called German (Iris germanica) variety, but properly Florentine or Italian. The yellows and browns have been introduced through crossing with Iris floreescens var. variegata, or perhaps both. The result is a dwarf iris which has light yellow flowers raised on long stems, showing darker yellow beading; the second is from Turkey and south-
The room above was created in the residence of J. J. Twohey, Esq., at Sutton Manor, Rochelle, New York. Rough-hewn chestnut, stained a deep brown, was used for the teak work. Where necessary, the walls were fitted with wall board, painted with a rough preparation and sprayed with a mixture of dye brown, Sienna and mucilage to give the necessary antique effect. Curtains are of linen of a grapevine pattern. The radiator is covered with draw curtains and made to simulate a bookcase. Furniture and ship larn are in keeping with the spirit of the room.

COMPROMISING WITH THE EAVES
Five Schemes for Attic Rooms
Executed by H. BERESFORD STANT
The solution above compromises with an ugly wedge in the roof. Timber work and wall board form the frame for a lounge and book shelves. The curtained space above hides smaller discards. The space below the cushioned lounge is a locker. The glass door on the right conceals pigeon holes or a cellarette. An old chair in a cretonne cover gives a spot of color. The rug can be of fibre and the furniture is such as any house or shop provides.

Below is an ordinary attic room created without timber work. The walls are stenciled into panels and the same design is repeated in the curtains and edge of rug. A lively color combination—green and purple, yellow and blue—will add interest. The walls can be painted and the floor stained. The furniture should be simple and comfortable. Mission pieces could go well in such a room.

Above is another solution for the type of room shown opposite. The room is encircled with a bookshelf. In one corner an imaginary fireplace has been created around a gas or electric stove by curtains and a valance. The same fabric is used in curtaining. A striking color effect could be obtained by painting the floor a dull red and using rush colored mats. The walls can be rush color, the ceiling and the space above shelves a lighter tone, and the seats and shelves upholstered and painted in red. Such furniture as the room requires represents but a small outlay.
Problem 1 may be taken as one type of foundation planting where formality is called for by the architecture of the house. The plan is at the right, and the key to it is shown directly below.

PLANTING LIST FOR PROBLEM 1

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Best stock large sizes</th>
<th>Best stock but smaller sizes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Price</td>
<td>Price</td>
</tr>
<tr>
<td>1.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td></td>
<td></td>
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<tr>
<td>3.</td>
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<td></td>
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<tr>
<td>4.</td>
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<td></td>
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<tr>
<td>5.</td>
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<td>6.</td>
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<tr>
<td>7.</td>
<td></td>
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<tr>
<td>8.</td>
<td></td>
<td></td>
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<tr>
<td>9.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SIX SCHEMES FOR THE FOUNDATION BORDER

A CERTAIN amount of planting is necessary around the base of the house in order to soften the harsh lines and temper the architecture with the surrounding landscape, and to convey to the owner and the beholder alike that feeling of comfort and repose which is essential to a full appreciation of life. No other type of planting must bear such close inspection; yet, despite that fact, the majority are ill-conceived and unprepossessing.

PLANTING LIST FOR PROBLEM 2

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>4'-4 1/4'</td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>2'-2 1/4'</td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>2'-2 1/4'</td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td>2'-2 1/4'</td>
<td></td>
</tr>
<tr>
<td>5.</td>
<td>9'-10'</td>
<td></td>
</tr>
<tr>
<td>6.</td>
<td>2'-2 1/4'</td>
<td></td>
</tr>
<tr>
<td>7.</td>
<td>1'-1 1/4'</td>
<td></td>
</tr>
<tr>
<td>8.</td>
<td>25 bulbs</td>
<td></td>
</tr>
<tr>
<td>9.</td>
<td>25 bulbs</td>
<td></td>
</tr>
<tr>
<td>10.</td>
<td>25 bulbs</td>
<td></td>
</tr>
<tr>
<td>11.</td>
<td>50 bulbs</td>
<td></td>
</tr>
</tbody>
</table>

Bulbs which might be used among the evergreens

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>4'-4 1/4'</td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>2'-2 1/4'</td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>2'-2 1/4'</td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td>2'-2 1/4'</td>
<td></td>
</tr>
<tr>
<td>5.</td>
<td>9'-10'</td>
<td></td>
</tr>
<tr>
<td>6.</td>
<td>2'-2 1/4'</td>
<td></td>
</tr>
<tr>
<td>7.</td>
<td>1'-1 1/4'</td>
<td></td>
</tr>
<tr>
<td>8.</td>
<td>25 bulbs</td>
<td></td>
</tr>
<tr>
<td>9.</td>
<td>25 bulbs</td>
<td></td>
</tr>
<tr>
<td>10.</td>
<td>25 bulbs</td>
<td></td>
</tr>
<tr>
<td>11.</td>
<td>50 bulbs</td>
<td></td>
</tr>
</tbody>
</table>

Bulbs which might be used among the evergreens
Some common mistakes are: overcrowding; lack of consideration for the individual form of the plants, and their inharmonious choice in regard to environment or the type of building which they are intended to set off.

Next to no planting at all is the worst effect. A little often does better, and too much is worse. Some places suffer from overcrowding after a few years and need replanting; some places suffer from too much. Some places all the worst effect is gained from too little planting. Some places the foundation plants are overcrowded near the house amid billows of planting, from which it rises like a boat-like surf. There is often the worst effect gained in these cases.

**PLANTING LIST FOR PROBLEM 3**

<table>
<thead>
<tr>
<th>Plant</th>
<th>Quantity</th>
<th>Size</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Violacea jasminoides</td>
<td>10 plants</td>
<td>3'-4'</td>
<td>2.50</td>
</tr>
<tr>
<td>Spiraea Van Houtteii</td>
<td>1 plant</td>
<td>3'-4'</td>
<td>1.50</td>
</tr>
<tr>
<td>Spirea Van Houtteii</td>
<td>3 plants</td>
<td>4'-5'</td>
<td>1.00</td>
</tr>
<tr>
<td>Paeonia lactiflora</td>
<td>2 plants</td>
<td>3'-4'</td>
<td>3.00</td>
</tr>
<tr>
<td>Paeonia lactiflora</td>
<td>3 plants</td>
<td>4'-5'</td>
<td>2.50</td>
</tr>
<tr>
<td>Paeonia lactiflora</td>
<td>1 plant</td>
<td>5'-6'</td>
<td>2.00</td>
</tr>
</tbody>
</table>

**PLANTING LIST FOR PROBLEM 4**

<table>
<thead>
<tr>
<th>Plant</th>
<th>Quantity</th>
<th>Size</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Forsythia fortunata</td>
<td>1 plant</td>
<td>3'-4'</td>
<td>1.00</td>
</tr>
<tr>
<td>Berberis Thunbergi</td>
<td>1 plant</td>
<td>2'-3'</td>
<td>.50</td>
</tr>
<tr>
<td>Berberis Thunbergi</td>
<td>1 plant</td>
<td>4'-5'</td>
<td>1.50</td>
</tr>
<tr>
<td>Philadelphus shrubiflorus</td>
<td>1 plant</td>
<td>3'-4'</td>
<td>2.50</td>
</tr>
<tr>
<td>Philadelphus shrubiflorus</td>
<td>3 plants</td>
<td>4'-5'</td>
<td>3.00</td>
</tr>
<tr>
<td>Philadelphus shrubiflorus</td>
<td>3 plants</td>
<td>6'-7'</td>
<td>3.00</td>
</tr>
</tbody>
</table>

**Flowers in front of shrubs**

<table>
<thead>
<tr>
<th>Plant</th>
<th>Quantity</th>
<th>Size</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dutchman's Broom</td>
<td>3 plants</td>
<td>3'-4'</td>
<td>1.50</td>
</tr>
<tr>
<td>Japanese Virgin's Bower</td>
<td>2 plants</td>
<td>3'-4'</td>
<td>1.50</td>
</tr>
<tr>
<td>Japanese Virgin's Bower</td>
<td>3 plants</td>
<td>4'-5'</td>
<td>2.50</td>
</tr>
<tr>
<td>Japanese Virgin's Bower</td>
<td>6 plants</td>
<td>5'-6'</td>
<td>3.00</td>
</tr>
</tbody>
</table>
The soil should be well prepared in advance of transplanting time. A good sized trowel is convenient for digging the holes.

Then set in the plant, taking care not to put it so deep that its crown is even partly covered with earth.

The strawberry bed, or rather, the plant must be snugly “tucked in.” This is essential to best results later on.

Strong as is the plant’s tendency to spread it must be controlled by removing the runners. Good cultivation is also required.

Without a proper mulch, the berries are apt to gather particles of earth, splattered over them during rain storms.

The summer mulch of straw goes under the fruit clusters, which are lifted to permit its being placed in position.

A Year-round Photography Study of Plant Man and Customs

By WILLIAM C. McCOLL

You can go through the bed from time to time, looking for the plant runners and removing them.

Here is what you get if you follow the year’s work consistently.

Even in winter home-grown strawberries entirely possible if you have a greenhouse which to grow and ripen them.

And in the fall comes the regular winter mulch, to prevent the destructive heaving of the ground during temperature changes.
The sleeping group consists of the bed or beds with a night stand and possibly a screen.
THE PANELED WALL

WALL board, an interior finish, at once simple, useful, effective and economical, has gained great popularity. Yet, despite its many advantages, results from its use have frequently been unsatisfactory because of its tendency to expand and contract, as well as the structural difficulties sometimes encountered. To remedy these defects and to simplify installation, a new type of flange moulding has been devised.

This moulding consists of a flat foundation piece grooved into which the wall board fits, and two locking strips that complete the decorative moulding around the panel. Headers and furring strips are not required for the installation—although they assist—and nailing is reduced to a minimum. Expansion and contraction are automatically provided for by the groove so that there is no occasion for the board buckling. A number of designs in the moulding assure the proper styles for period rooms. Stock lengths come in 10', 12', 14' and 16' in yellow pine. Other designs are in oak, gum, birch and mahogany.

A WALL SAFE

ONLY opera stars and chorus girls can afford to have their jewelry stolen. The rest of us folks forego the publicity and see that our jewels are safe at night. The bookcase method is a bit antiquated, and if you hide your jewelry beneath the mattress you are sure to forget it.

The only safe method is to put your jewels in a safe. Only opera stars and chorus girls can afford to have their jewelry stolen. The rest of us folks forego the publicity and see that our jewels are safe at night. The bookcase method is a bit antiquated, and if you hide your jewelry beneath the mattress you are sure to forget it. The only safe method is to put your jewels in a safe.

For the convenience of those who do not possess a large portable safe, there is devised the little wall safe illustrated in the center of this page. A strong steel door with a dependable combination lock will make even the most persistent burglar change his mind.

With your jewels in a wall safe, you can lie down to pleasant dreams, as the Lady of the Halls will do shortly.

FLAMELESS COOKER

A Merican housewives long since become accustomed to the advantages of fireless cooking. To the left is an electrical device that further reduces labor. You put the meat or food in the cooking compartment and turn the current. Then set the automatic clock to the required time. At the expiration of the predetermined time, the heat will be shut off automatically by the clock, but the oven goes right on because the improved heat is trapped by the walls of the food. Aluminum semi-close containers enable you to cook or more foods with the same amount of fuel. The beauty of this arrangement is that you do not need to stand around watching. Cost $25; without clock, $19.75.
**THE GARDENER'S KALENDAR**

The days dividing love and life,

The light that loses, the night that comes.

And all the season of flowers begot

A fleeting foot,

As gold and fire.

And the oat is heard from five to seven

As melon frames, such as onion, radish and turnips are bothered with maggots, grubs, etc., give the ground a good treading with sole or stirrup shoe. Scrub it directly on the seed drills.

27. It is now safe to plant seeds of any kind you choose. We rarely have frost after this time. Before you can plant in the open, it takes from a week to two weeks for the young seedlings to germinate. An early start is worth considering.

28. Don't put off thinning out those vegetables that require it. Hill the peas before they are damaged and make them into a frame. If you have a greenhouse or cold-frame all the vegetables that require this shading.

29. If your asparagus is short the crowns are too near the surface. Hill up the row, covering with six or eight inches of earth. If the leaves are broken off, cut them off, then put the shoots, turn your chin in the bed; they will clean the grubs out.

30. Warm vegetables such as pumpkin, squash, beans, leeks, beans, string beans, peas, sweet peas, beans, string beans, beans, string beans, etc., may be sown now. If you have a continual wet spell, postpone sowing these classes of plants for a day or two.

**For winter's name and death**

And all the season of

The days dividing love and life,

The light that loses, the night that comes. And time remember's
drisen forgotten; And frosts are slain and flowers begun And in green understand and cover. Blossom by blossoms spring begins.

The full streams feed

Ripe grasses tremble

The feast train's flame of the week's

From soil to floor and forest to fruit; And roses, roses, roses, such as gold and fire. And over hills above the trees, And the hand that deals a cruel crushes

The cherry-clout at the chestnut-root. —Guizot.
Spring comes when we begin to think of it, when we plan for the furnishing of that summer house. The shoppers have gathered these unusual articles with that end in view. If they can serve you by purchasing them, or if you would have the names of the shops where they are sold, write the Shopping Service, 445 Fourth Avenue, New York City.

Unusual china makes a great deal of difference to the appearance of the country house table. This hand-painted place plate is in delicate colorings with variegated flowers in soft tones. The border is formed by two lines of dark green. $2.50

Among these hand-painted pieces of Slavonic work is a cake plate. On the central background of dark blue are gay colored flowers and a bird. The border is conventional with a narrow blue rim.

Because of its bold, gay coloring, this tea or coffee set recommends itself for the country house. It consists of a large plate tray, tea pot, sugar bowl and creamer. Tray has upturned edges and is 10" wide. Teapot, 7" high and 3" wide. It comes complete for $22.

Picture it hanging from the rough-hewn rafter of a summer camp or a seashore bungalow, this four-light, wrought iron candle holder. Its simplicity of design is quite one of its charms. It measures 15" high and 21" across and costs the small sum of $6.


Here's a candle to light you to bed—on an antique design candle stick, 12½" high, of Deruta ware, which comes for $1.50.

The arm chair is guaranteed to be comfortable. Of mahogany with antique finish, 34" high, $23. Table of same wood, dull finish, 24" high, top 18½" wide, $22. The cretonne is cotton in lovely antique coloring—large blue and lavender flowers; birds in pink, soft pink and grey, 31" wide; $1.25 a yard.
The bowl can be had in mulberry, blue, yellow, green or rose. Stand of black glass to resemble teakwood. $1.50 complete.

The living-room table will take this vase of Deruta pottery in an antique Italian shape. 12" high. $10.

The arm chair, which is of wicker, may also be had in the rocker form, 50 cents extra. Seat 21" wide, 19" deep, back 30" high. $14 in natural willow. $1 extra for staining any desired color. The willow stand may be used as a garden basket, or in the house for magazines. 35" high. $8 in natural willow, $1.50 extra for staining. The wicker bird cage comes at $3.25 and stained at $4.25. Behind is the Royal Hollyhock cretonne. Background of broad black and grey stripes with large floral groups in soft lavender, purple, rose and green. May also be had in combinations of light tan and grey stripe with blue and yellow flowers. 50" wide. Price is $3.75 a yard.

In the parlance of the trade this Brighton day bed is known as a "super easy." It is upholstered in down and covered with a yellow, imported hand-blocked linen, $145. The linen is 50" wide. The day bed is 5' 6" long. It may also be had in walnut, mahogany or oak legs as well as the ivory. If material is supplied the price is $125. The screen, 5' 8" high, has mahogany frame with a sateen filling in all colors desired. $12.50. The floor lamp of black decorated lacquer has a table in center; 4' 9" high. $23.50. A pagoda shade of silk with alternating shirred and brocaded panels -21" wide. $30.
PLANTING THINGS
TO GROW AND LIVE

D. R. EDSON

With this article, the fourth of a series setting down for inexperienced gardeners the things they should know about planning and planting, Mr. Edson takes up the actual work of putting seeds and plants in the soil. The series commenced in the January number and will continue through several more issues.—Editor.

WHENEVER Dame Nature gives us a real, true, gratuitous impulse, it is usually a good plan to follow it. The person who does not long to get out and plant something when the brown grass begins to green again, and the birds come back, and the earth smells sweet and clean, is so exceptional as not to be worth considering. Man flatters himself that he is helping and improving upon Nature, but that subtle dame is only using him for her own ends!

Whatever may be the secret source of that which urges man or woman to put seeds in the ground and set out plants, the work itself should be done in such a way that the seeds will grow and the plants will live. Gardening has its technical, work-a-day side as well as its inspiration. Hence the beginning gardener must devote some time to studying the technique of his avocation.

Now is the time to plant. It is in the air. Everything wants to grow—will grow with half a chance. There is only one trouble with spring as the universal planting time—it is too short. The cold nights or the wet weather or the late frosts seem to hang on interminably. And then, before one knows it, the hot, dry weather has arrived and it is too late to do many of the things which we had planned.

SHORTEN THE WORK

How can the spring planting season be lengthened? There is only one way, and that is to shorten the work. To do that, you must plant long before "settled" weather has arrived. The most important preliminary work is to know exactly and definitely what you aim to accomplish in the garden this season.

A great deal of the work which is usually left until after the planting actually begins may just as well be done a week or so beforehand. The tools should be on hand, the beds prepared and fertilized, all seeds bought and nursery stock and plants ordered before a single seed is put into the soil. If you see to all this, there will be a good chance that you will get all your planting done on time, and done with time enough to have it done carefully and properly. Otherwise there is bound to be a rush, resulting in hasty and carelessly done work.

The plant foods for your various gardens should not only be ordered but be actually on hand by the first of this month at the latest—manure enough to give a 2" or 3" coating to the garden and to work into the top soil of beds of hardy perennials, etc. If this cannot be obtained, procure "commercial" cattle or stable manure sufficient to take the place of it. These latter materials have been put through a standardizing and drying process to make them uniform. In addition to this, obtain high grade fertilizers enough to give a dressing at the rate of 400 to 600 pounds to a quarter of an acre. A small supply each—25 pounds or more according to the size of your garden—of nitrate of soda, fine ground bone, coarse ground bone, tankage or dried blood, and, if you can find any this season, muriate of potash, should be obtained in addition to the above and used as suggested in the following paragraphs.

Such plants as you may be expecting to get from a local source, both vegetables and flowers, should be selected some time in advance of your actual need of them. In picking them out, do not be guided by the size alone; the stockiness, growing condition and the hardiness of the plant are all more important than the size. A plant of any kind that has grown so rapidly or under such cramped and coddled conditions that it is weak and "loppy" will receive a serious setback in transplanting, even if it is not lost. A much smaller plant with firm wood, with a good dark color, planted at the right time, will soon outstrip it in size and general thriftiness.

EARLY PREPARATIONS

The earlier you can plant such things as you will be getting from the florist or nurseryman the better. If you have given instructions that they (Continued on page 96)
FENCES FOR THE PERMANENT PLACE
Choosing the Design and Material

H. P. THURSTON

Photographs by courtesy of Anchor Post Iron Works

A part of the wisdom exercised by Americans is when they build a house for a permanent home, they make the surroundings of that also permanent. As quickly as possible they make the atmosphere of that place having been there and always intending to be there. They transplant large trees, they make drives and paths, and lay down lawns that are a joy forever. Then they fence it in. As was when a man walled in his property, days a garden and a lawn are considered as one shares with his neighbor and the passers-by. And to make that boundary permanent to share that property with the public is no better type of fencing than iron. It costs more than wood. Naturally. But it is longer, and there is no limit to the choice of materials to select from. It may be rigidly plain. It may have all the decorative rhythm graced the old iron work of ancient Italy. The cost is the crux of the decision. To those who build for permanency and plant permanence the matter of cost is a negligible when they come to fence for permanence.

DESIGN AND MATERIALS

A fence oft proclaims the property, just as the man proclaims the man. It should be chosen as the view to giving the property a fitting boundary. In some instances the strictest simplicity is most desirable with only a simple elaboration at the gates, such as a woven wire fence. In other cases the fence can be elaborate, a thing of beauty in itself, much like the old iron work of ancient Italy. The material of the purely utilitarian fence, the fence that is also decorative, is well the same general principles, although its capacities need not be so pronounced.

Before deciding what fence to use, it is advisable to look into the materials employed. The permanent fence must be constructed of material that will resist the decaying influence of the elements. In all cases it should be galvanized iron covered with a coat of rust-resisting paint to make the safety doubly secure. The posts should permit of such secure anchorage that they will resist sagging and wind pressure. Upon the posts will depend much of the permanence of the fence, in appearance as well as usefulness. These are the main facts to be considered before deciding what fence to use. It is advisable to look into the materials employed.

A SIMPLE DESIGN WITH ACORN POSTS IS FOUND ON THE PROPERTY OF MRS. FLORENCE ALKER AT GREAT NECK, LONG ISLAND.

A MORE ELABORATE FENCE SURrounds CASTLE GOULD AT PORT WASHINGTON, LONG ISLAND. BOTH UTILITY AND DECORATION ARE COMBINED IN THE DECORATIVE POSTS AND PLAIN BAR.

THE GATE IS THE LOGICAL ACCENT POINT IN THE DESIGN OF THE FENCE. IT CAN BE ELABORATE AS ON THE BOSBERT ESTATE OR SIMPLE AS IN THE PROPERTY OF W. J. McFARLAND, ESQ., AT NEW BRUNSWICK, NEW JERSEY.

THE DECORATIVE POSSIBILITY OF THE IRON GATE HAS REACHED A HIGH PLANE ON THE ESTATE OF LOUIS BOSBERT, ESQ., AT BAY SHORE, LONG ISLAND. IT IS FRANKED BY LINE EVERGREENS AND HAS A BACKGROUND OF NOBLE TREES THAT MAKE IT A CHARMING TRANSITION BETWEEN THE STREET AND THE GARDEN, HAVING SOME OF THE CHARACTERISTICS OF EACH.

THE DECORATIVE GATE HAS REACHED A HIGH PLANE ON THE ESTATE OF LOUIS BOSBERT, ESQ., AT BAY SHORE, LONG ISLAND. IT IS FLANKED BY LINE EVERGREENS AND HAS A BACKGROUND OF NOBLE TREES THAT MAKE IT A CHARMING TRANSITION BETWEEN THE STREET AND THE GARDEN, HAVING SOME OF THE CHARACTERISTICS OF EACH.

AS TO COST

The cost of such permanent fences ranges from $.68 a lineal foot for the woven wire type up to several dollars a foot for the elaborate designs. To this item must be added the cost of labor which in different localities will fluctuate. The lay of the land and the nature of the soil are also factors in computing the cost, since the posts must find firm anchorage, whether the soil be clay or rock, and there are the occasional obstructions that cannot be overcome.

Picture the fence as it will be in place on your land, and you find that there are several accessories that will add to its effectiveness. These may be a privet or barberry hedge set a foot or so back from the line of the fence, stone posts over which vines are trained, or in the case of the woven wire fences, rambling roses. In other words, the fence is but a factor in marking the boundary. Its hard, cold iron must be tempered with the warmth of flowers and foliage. It is a transition between the street and the garden and should have the characteristics of both.

A simple design with acorn posts is found on the property of Mrs. Florence Acker at Great Neck, Long Island. It gives a pleasing uniformity of fencing.

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The decorative gate at the property of Mrs. Florence Acker at Great Neck, Long Island.
The common edible mushroom, both in a wild state and under cultivation, is Agaricus. There is some resemblance between it and the poisonous Amanitas. There are a few varieties in almost any vicinity about which there is little or no question. The student soon becomes familiar with these. Using them for food—one he has become acquainted with them—will serve to keep up his mushroom enthusiasm.

It is impossible to record in a popular article the characteristics by which the edible mushrooms as a class may be told from the poisonous fungi. There is no set and fast rule to follow. Further than this, however, is the fact that specimens of the same species differ so much that any directions set forth here might be very readily misconstrued by the ambitious amateur.

There are many so-called "tests" published from time to time in the press and in circulation by word of mouth. Without exception they are to be avoided. The so-called "poison death cup" rule that any species springing a cup or socket at its base is poisonous is an unsafe guide. Not only are there non-forms which have no such "cup," but off-setting this by gathering mushrooms a poisonous variety may break off at the base in such a way as to make it appear that it did not possess such a cup in reality it did. The popular idea that a spoon or onions or anything else when dipped in moist specimens of the same species differ so much that any directions set forth here might be very readily misconstrued by the ambitious amateur.

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Old Models Now in Demand for Decorations—Their Makers and Their Use

COSTEN FITZ-GIBBON

"Here were the days of clippers"—the Red Jacket, which sailed from New York to Liverpool in thirteen days. She was built in 1863.

There is something about the light of a ship that lays hold of and captivates the imagination, matters not whether the ship be a tiny craft that "goes down to sea" bearing those "that occupy business in great waters" and make up the network of commerce from port to port, or whether it be a little model; it carries with it that cent wall whose fascination neither the habitual globe-trotter nor the little model; it carries with it that cent wall whose fascination neither the habitual globe-trotter nor the sea-dreading stay-at-home can resist. The inherent grace of line in a ship, the forest of rigging and the read of canvas silhouetted in relief against the sky, hold the almost irresistible attraction. As all this, there is a compelling of mystery about a thing fashioned to meet and battle with the forces of nature, forces too vast for us to tame to our bidding and with any puny power of modern rectitude and meticulous and to which we must, perforce, accede to ourselves. These wholesome emotions of wonder and admiration, so strong that a few threads of memory too, are the very life of the models, which enjoy such a large share of popularity as by the keels actually plough the seas.

Sailors’ Votive Offerings

"What are these models and why they made?" is the answer is many-just as many as the conditions called them into being and in order to an intelligent exposition of their existence must be put.

The problem of our story camps in the misty antiquity. In Egypt,

In the living-room a ship model affords a fine spot of action and interest. It can stand on a table or shelf or be hung by wires from the ceiling beams. Complete in every detail of gear and stick, it will bear even careful inspection at close range, while its effect as a whole is always striking. Model by courtesy of Charles Piatt, III, Esq.

As mantel decoration for the library or man’s room, few objects have such value as a good model. It lends a sense of strength, with not a little tang of the sea. This is shown by courtesy of Mrs. Charles Piatt.

There’s a fine romance behind this triigate which was made early in the last century by French war prisoners from bones saved from their meals in ancient Greece and in the early days of Rome’s maritime greatness, seafaring men were wont to dedicate offerings to the gods either to propitiate them and ensure safety to themselves from the perils of the deep or else in thanksgiving for an escape from death by shipwreck. These first votive offerings seem to have been in the form of sea-stained garments hung up in the temples or at shrines, but they eventually gave place, in part at least, to the models of ships which were suspended in a conspicuous position.

This same time-honored and picturesque custom was transferred from the old pagan days to the Christian era and, persisting through the ages, became widely prevalent in the 15th or 16th Centuries and remained thereafter in habitual practice. In the seaport towns and fishing villages of Brittany, Normandy and Holland, especially, but also to some considerable extent in England and in various parts of the Continent, ships’ models as votive offerings were suspended high in air before the altars and shrines in cathedrals and churches. Those who have seen them thus displayed can never forget how strikingly graceful and impressive they always are.

Blessing the Boats

In Catholic countries their votive use has continued to the present day, even as it was in the “ages of faith.” To cite but one specific instance, throughout the length of the nave and aisles of the Church of Saint Pierre, in the Island of Saint Pierre just off the south coast of Newfoundland, ships’ models are hung in mid-air by long chains depending from the roof, and these votive offering ships have a very vital meaning to the inhabitants of the island whose livelihood is based upon the harvest from the sea. Every year at
Rogation tide there is a solemn procession, in which all the islanders join bearing banners or candles, from the church to the quay where the other inhabitants gathered are acclimated with crucifix, censer and candles, gets into a shallop and is rowed a little way out into the harbor where he blesses the sea for its harvest of fish and prays for the safe return of those who are about to set forth with the fleets for the plundering, solemn and touching ceremony; the people's all is bound up with the season's catch of fish and their annual thanksgiving. The fishing is exactly comparable to the old English Rogation tide procession to bless the fields and "beautify the parish homesteads." The most important thing to our immediate purpose is that an important feature of the procession is a ship model—a new one is made every year—which is carried with great state to the quay and then, after the ceremony, is returned to the church as a votive offering and hung up in the silent navy along with its predecessors of foregoing years. The same practice, with slight local variations, prevails in plenty of other places. In Protestant countries, although there is no votive significance, some of the popularity of the ship models has more or less continued in certain localities.

**Old Salts' Hobby**

Quite apart from any religious connection, there were various other occasions that gave rise to the making of ship models. Many a sea man, too old to go to sea any longer, has whiled away monotonous hours by making a model of the ship whose rigging he climbed in his lusty prime, reproducing with painstaking care and exactitude every wisp of rope and every chink in a hatch coaming. Some of these models, pathetic little labors of old men's love and pride, are admirable examples of skillful workmanship. So also are many of the models made as a diversion during enforced idleness or confinement by prisoners of war, especially some of the French sailors held prisoners in England in the latter part of the 18th Century. Some of these accurately presented models are constructed entirely of bits of bone gradually accumulated from the mouths of fish and it often required months of patient waiting to secure a bone large enough for a mast or spar. The fragments of bone were whittled into proper shape, nicely fitted, polished and riveted together until, at last, the finished model appeared, a monument of patience and skill although it was sometimes less than a foot in length.

A careful student and collector of these models states that "it has been estimated that some of the ships took from two to three years to build and are without doubt not the handsomest but most accurate models conceivable."

We find almost incredibly deft workmanship are some of the ship models of the 18th and early 19th Centuries. They are marvels of accuracy and at considerable expense. There is record of one such shipwright's model, made in Pennsylvania for a ship owner preparatory to laying the keel of a great clipper ship to be constructed precisely like it, that cost upward of $600 to build and needless there were plenty of others, made under similar conditions, that cost as much or more.

In the early part of the 19th Century it was frequently the practice of marine insurance companies, both here and in England, to require of ship owners a model of his vessel before insuring it and this model was deposited in the insurance company's office, or occasionally in the ship owner's counting house, fitted into a cradle or stand so that it could be placed on top of a bookcase or desk. While this custom lasted, some of the finest old square-rigged ships were being built and their models placed in office halls only to be neglected and forgotten by the busy world. It is no uncommon thing, even today, to find some of these models occupying places of honor in the offices of the older marine insurance companies, thanks to the homage of a few admiring souls who, one after another, have cherished them for nearly a century.

Sometimes the models were cut in half and mounted, as here, in a shallow box realistically painted. Courtesy of Joseph Patterson Sims, Esq.

While the usual material of their construction is wood, they were also made of sundry other substances. Bone models, made by French prisoners of war, have already been mentioned. Occasionally a tiny model is found executed in metal. The writer heard the other day of one Dutch model entirely of pewter and not in size, however, of the old models is from about 18" to 3' in length down to veritable miniature dimensions, in length. It must be remembered that not a few of these old models are not merely images but really models made faithfully to scale in the minutest particulars, and this fact can only increase our respect for the skill of those who fashioned them.

Nearly every kind of craft that ever floated is represented in the models of one period or another and of various nationalities—Chinese junks, Spanish galleons and caravels, high-pooned English and Dutch merchantmen of the 17th Century, 18th Century "ships of the line," square-rigged East Indiamen, schooners, everything in fact down to the most modern of motor and sailing yachts and cruisers.

It is only recently that the collecting of these models has become a somewhat popular hobby, and even then it has not been until in a quiet and less extensive way they have been cherished and collected by the individual rather than by the old institutions or museums. The oldest and largest collection is that in the Rijsks Museum in Amsterdam, where a large room is specially devoted to displaying them. Their present commercial value is of late growth. Although some of the ship models are of considerable sums in their original condition, the majority of ships' models for years had only such financial value that one chose to attach them to or some isolated article that was willing to pay for the pleasure of acquiring the same. Now the most modest ship models are fetching prices ever rising higher and higher and repairs are making models valuable that only a few years ago would receive anywhere from $600 to $1,000 or more.

**Their Decorative Value**

To anyone at all familiar with ships' models this tremendous interest in personal decorative purposes can be understood, indeed, that it would be merely crying coals to Newcastle to point out the splendid reasons for the same manifestations of this quality. It is not an admission, however, to point out the several ways in which we might appropriately employ ships' models decorative advantage. Fitted to a cradle or stand they may be the tops of such pieces of furniture as bookcases or desks, or boys cabinets or even upon a table conveniently placed. While one would scarcely care to place a model to hang it in an ordinary room this way they seem to have a living charm and individuality which they bring, an added touch of atmosphere which means do they call for a niche surrounded by figures or of using a ship's model combined with the cabinet that is to be found there, in the old style, perched part, as it were, in a position where it can be seen from below, with a view from the top, all by those going either up or down the stairs.

**Good Places for Them**

The accompanying illustration suggest various other applications of the models, an idea which very possibly emphasize the fact that model enthusiasts are to be commended for their wisdom in reviving interest in a rich resource which we all too blindly disregarded until the present day of its vogue began.

To be sure, one would scarcely care to place a ship model, however small, in a boudoir or in the formal lines of a period drawing-room, but it is not fit settings for anything as full of the open as these miniature frigates and galleons, with the details of their original form and colors, for instance, in the way they seem to have a living charm and individuality which means do they call for a niche surrounded by, or of using a ship's model combined with the cabinet that is to be found there, in the old style, perched part, as it were, in a position where it can be seen from below, with a view from the top, all by those going either up or down the stairs.

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W. & J. SLOANE
Interior Decorators  Floor Coverings and Fabrics  Furniture Makers
FIFTH AVENUE AND FORTY-SEVENTH STREET, NEW YORK
WASHINGTON, D. C.
SAN FRANCISCO, CAL.
**For Your Garden**

Left to right—Fork, $.50; trowel, $.50; bulb planter, $1.00; dibbler, $.25; daisy grubber, $.65.

Wicker Garden Basket, complete with tools as illustrated, $10.50.

Garden Tool Sets—Three sizes, $4.50, $5.75, $7.00.

This Garden Trellis is painted green with the figure of the bird in colors. It comes in two sizes, 24 inches high, $2.00; and 30 inches high, $2.75.

Garden Bird Bath, of decorative stoneware on a pedestal. The height is 18 inches and the price is $12.00.

**For Your Garden**

**Left to right—Fork, $.50; trowel, $.50; bulb planter, $1.00; dibbler, $.25; daisy grubber, $.65.**

**This Garden Trellis is painted green with the figure of the bird in colors. It comes in two sizes, 24 inches high, $2.00; and 30 inches high, $2.75.**

**Garden Tool Sets—Three sizes, $4.50, $5.75, $7.00.**

**After a hard day of it, behold—sportsman! His neckcloth and boot disheartening. Some people simply look wistfully at Start, "Changing Horses," Passengers at Breakfast," "The Exeter Fly," Mouth Inn Yard," what a stately sight the very titles start. Stuff you to factful folk who will tell the old days were very undevil knows what, with never a grin on his lean, old visage. There is some truth in the plebeian observation that factful folk who will tell the old days were very unevil, and indulge, with Thackeray, a fine lament at their end. It must have been no matter to sit even in the great kind pass by. What fun to ogling the chamber of Thackeray. The bucks and blades of a dozen decades ago had no cameras so they sensibly set Mister Engraver to work to preserve pictorial memos of frolics afoot, adroitness and acock, as I may say. And the engravers took the tip and made a mint of money at it, I hope. Maybe some of the old prints caused trouble when they were new, just as a scandalous snapshot will. It is a moot point whether the Duke of York would have taken out the lovely Miss Clark in his curricle that bright afternoon in 1810 had he known the event was to be perpetuated in a print. For all I know he might have obtained the consent of the Duchess first, but then again, he mightn't. Anyway, the print fetched a good price in New York last week. To take off the rough newness of a room, to ripen it, and even to pervade it with a vague air of the ancestral, commend me to a few old coaching prints of generations ago. "The Brighton Mail," "Ready to Stage Coach goes snuffing off to London!"
Yes—

have an artistic roof—but
add a Safety Clause — fire-proof

AFTER all, it is a roof you are building and a roof has many responsibilities that all fall on the material you choose. Bad weather and changes of temperature bring repair bills and painting costs. Sparks from your chimney, or someone's burning house, may bring disaster.

So you must go further with the decision than to say just "fire-repellent shingles" because the fire-repellent shingles can burn. The FIRE-PROOF Shingle — J-M Transite ASBESTOS Shingle — will not. Add up all the requirements and put all the emphasis your mind can summon on the thought of fire safety. And you'll insist on J-M Transite Asbestos Shingles. You can have all the choice of shape and color, any style of laying — all the roof beauty you please, without the expense of the tile roofing or the weightiness of slate. Like all other Johns-Manville Asbestos Roofings, these shingles are backed by

Johns-Manville Roofing Responsibility

Under this policy your roof can be registered on the roofing records of this company. It is, then, our obligation to see that your roofing in service is all that was promised when it was purchased.

J-M Transite Asbestos Shingles are examined, approved, and labeled by the Underwriters' Laboratories, Inc., under the direction of the National Board of Fire Underwriters.

Here's a booklet on Shingles. It is sent free. It is full of worth-while facts on Shingle Roofs — tell us where to send it.

H. W. Johns-Manville Co.
New York City
Branches in 55 Large Cities

Residence of M. Trempler
Detroit, Mich.
Fifth Avenue at 32nd-Street

Chop Set of a full cr and twelve plates. The Greek key design of black is on a coin gold hand.

Handsome Sheffield is distinctive, and this after-dinner Coffee Set is a splendid candelabra wrought Shetland is discount, and this after-dinner service is the price is $7.50; to hold three pounds.

What a Fifty-Foot Garden Will Grow

(Continued from page 33)

What a Fifty-Foot Garden Will Grow

(Continued from page 33)
Are you fooling yourself about your trees?

Here are the facts:

- Davey Tree Surgeons were the original innovators in the field of tree surgery.
- Their expertise was based on thorough, practical training and scientific knowledge.
- They were responsible for many of the trees that still stand today.
- They have a proven record of safe tree surgery.
- Their work is universally accepted as the standard by which other tree surgeons are measured.

The story of tree surgery is a story of ingenuity and dedication to excellence. It is a story of how one company turned a passion for trees into a successful business. It is a story of how they continue to improve and innovate, always looking for ways to make the world a better place.

Don't let anyone fool you about your trees. Trust the professionals who have been doing this work for over a hundred years. They know what they're doing, and they're here to help you preserve the beauty and value of your trees.

Davey Tree Surgeons
FOR SAFE TREE SURGERY

The Davey Tree Expert Co., Inc.
504 Elm Street, Kent, Ohio
(Operating the Davey Institute of Tree Surgery, Kent, Ohio)
Branch offices, with telephone connections: 325 Fifth Ave., New York; 2017 Land Title Bldg., Philadelphia; 450 Merchandise Mart, Chicago.

Permanent representation located at Rochester, Syracuse, Lents, Hartford, Stanford, Alamo, Gonzales, White Plains, Jamaica, L. L., Morristown, S. J., Philadelphia, Harrisburg, Baltimore, Washington, D.C., Pittsburgh, Cleveland, Detroit, Columbus, Louisville, Chicago, Milwaukee, Minneapolis, St. Louis, Dallas, Cincinnati, Milwaukee, Cleveland, St. Louis, San Francisco. Canadian Address: 1621 Yonge Street, Toronto, Ontario.

Write today for Free Examination of Your Trees

When is the right condition of your tree? Are its missing branches diseases and hidden decay slowly undermining their strength? Will the next severe storm claim one or more of its victims? Only an independent Davey Surgeon can tell you fully and intelligently. He knows little or nothing about tree surgery that was made by the owner of the tree shown here? (Small photograph No. 1 below.)

The following facts—they may prove valuable.

- The owner of the tree shown here thought tree surgery was merely a matter of filling cavities with cement—something almost any clever fellow could do.
- As a result, his tree was costly and disappointing. Davey Tree Surgeons found that the tree (Photo. 1), which the owner thought had been saved, was in a really critical condition. Disease and decay were continuing unchecked through the fillings. The entire work had to be torn out and done again—done right. (Photograph Nos. 1, 2, 3 and 4—typical trees—one story. (See descriptive matter under photographs.)

The story of tree surgery is a story of how one company turned a passion for trees into a successful business. It is a story of how they continue to improve and innovate, always looking for ways to make the world a better place.

Davey Tree Surgeons
FOR SAFE TREE SURGERY

real Davey Tree Surgeons are in the employ of the Davey Tree Expert Company and are the public is cautioned against those falsely representing themselves
What a Fifty-Foot Garden Will Grow

(Continued from page 66)

gradually fills up with cultivation, which must be regular and thoroughly given so the bed will be kept free from weeds. Not until the second year should the plants be weak-ened. The following season, and afterwards, the cutting period may last from six to eight weeks, and the bed, if properly cared for, will last twenty years.

The other side of the garden may be given over entirely to annual vegetables. Beginning at the end nearest the house, plant three rows of early peas, following them with celery when the peas are gone, the rows 3/2 apart. The next three rows, the same distance apart, may have beets, carrots and turnips; with lima beans in the following four rows, the hills 2 1/2 apart. Eighteen tomato plants, if apart each way, may occupy the next space, with early peas between the rows, which will be gone before the tomatoes would shade them too much. Plant string beans in the next two rows, followed by late sweet corn in hills 2 1/2 apart. Early sweet corn, followed by late bush beans in the remaining rows, finishes the vegetable tables, except for squashes and cucumbers which are planted between the back fence and rear line of fruit trees, squashes on one cumber on the other.

A garden so planted should be $30 to $40 worth of vegetable first year. When the rhubarb, strauberries and currants, 10 cents a peck, and the asparagus the third year; but it is from three to five years for peas, plums and grapes to bear. But when they do, the patience of waiting is forgotten in the delight of gathering perfect fruit from their own trees.

The delicate beauty of Chinese porcelains

(Continued from page 29)

regions of Ch'ien Lung and his cele-brated son, Ch'iien Lung, who lend the name to the period from 1723 to 1795, sustained the perfection of these China, as really by a vast wealth of materials. It was in the eighteenth century that the porcelain of China, licensed to be found upon the decorated pieces of Chinese porcelain. The casual observer will pick up a piece and admire or dismiss it as the judgment of the general impression made upon his artistic sensibilities. Not so with the connoisseur who takes into consider-color, texture, glaze and, quite much as these (so far as material is concerned), the story design tells.

The porcelains of China, like the sword-guards of Japan, offer a store of native artists a vast wealth of material and folk-like subjects. The symbolism and ornament are cemented in Oriental thought and the collector of old Chinese pieces finds their decoration purely of times in its significance, how-sorbing and unceasing.

Since the time of Eliza-thabetha's western kingdom has recog- the beauty of the deco- or the Chinese porce-loin, China, and the world is the same time prowled to find the ceramists' knowledge of the evocative ceramics is lost to the interest.

The delicate beauty of Chinese porcelains

(Continued from page 29)

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Put your House in Order

HAD your home been Dunham heated this would have been a winter of comfort, of health and of economy. Radiators would neither have knocked nor pounded. Each room would have been comfortably, cozily warm, every hour of every day. The consumption of costly coal would have been amazingly low.

You could have mechanically kept the whole house at any desired degree of heat all through the day and at another and lower temperature during the night. And without going near the cellar.

Whether you have decided to build anew, to move or to abide where you are, now is the time to plan to put your house in order against the rigors of next winter by installing Dunham Heating.

A steam fitter can Dunhamize a home. While the first cost of the Dunham Vapor Heating System is not the lowest figure at which heating equipment can be bought, in the end it is the cheapest. Write for full facts now. Ask for our free book, the 3 H’s; it is of absorbing interest.

The C. A. DUNHAM COMPANY, Marshalltown, Iowa

DUNHAM VAPOR HEATING SYSTEM

The C. A. DUNHAM COMPANY, Ltd., Toronto, Canada

Branch Offices: Halifax Montreal Ottawa Winnipeg Vancouver

DIVISION SALES OFFICES:

Boston Rochester Albany Philadelphia

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Kansas City Fort Worth Dallas

Denver Cheyenne Salt Lake City

Spokane Portland, Ore. Seattle Los Angeles

Branch Offices: Halifax Montreal Ottawa Winnipeg Vancouver
Garden Necessities That Repay You

Bushes, plants, vines, must have some kind of support and protection in order that they may grow most luxuriously. The best for the purpose, the one that combines beauty in itself as well as proper construction for endurance, is always the cheapest in the end.

Trellises and bed guards repay many times over in plants, blossoms and foliage. The Excelsior Rust Proof Trellis on the end of the porch shown here not only supports the vines, but is ornamental as well. The bed guards are of the same make—same construction and materials. These

"Excelsior Rust Proof"

Trellises and Bed Guards

are made of heavy, tough, springy steel wires, which are held at every intersection in the vise-like grip of the Excelsior Steel Clamp, a patented feature. AFTER making, the whole fabric is galvanized by the Excelsior Process, that not only makes it rust proof, but thoroughly and completely solders it into one rigid mass.

These trellises won’t buckle, droop or sag. Winds and shock have no effect on them. They can be taken down and used over, and will last for years.

To insure getting full value for your money, ask your hardware dealer for these products. We also make Excelsior fences, tennis fences, tree guards, gates, and similar garden metal articles. We will cheerfully send catalog C on request.

WRIGHT WIRE CO. WORCESTER, mass.

Underground Garbage Receiver

Installed at your home in the early Spring. Cleans up—means less danger from infantile paralysis germs. Eliminate the dirty garbage pull.

SOLD DIRECT SEND FOR CIRCULAR C. H. STEPHENSON, Mfr., 20 Farrar St., Lynn, Mass.

HOYT’S NURSERIES, NEW CANAAN, Conn.

We are in the midst of a very fast growing community, and by buying Nursery Stock near at home you can have the same delivered by Motor Truck, right to your grounds, all free from.

Come to the Nursery and select your own trees as we have a large assortment of Ornamental Deciduous Trees and Evergreens in all sizes, Herbaceous plants, Perennials, Roses, Hedge plants, in fact, everything to make the home grounds attractive.

It is time now to arrange for Spring and if desired we can have our Landscape Architect make you a planting plan of your grounds.

Do not hesitate to call upon us for assistance as our services are at your command. Write for one of our descriptive Catalogues.

THE STEPHEN HOYT’S SONS, CO. Telephone 333 New Canaan, Conn.

Be cautious in your foundation plantings of evergreens—the form and color are both strong. Problem 2 shows one situation in which they are logical, contrasting pleasantly with the tapestry brick of the house walls.

Six Schemes for the Foundation Border

(Continued from page 71)

Six Schemes for the Foundation Border

(Continued from page 72)
ANCHOR POST Entrance Gates and Fences

STRENGTH, correct proportion and perfection of every mechanical detail are typical of Anchor Post Fences and Gates.

Expert workmanship is as evident in one of our simple wire fences as it is in heavy, ornamental wrought iron entrance gates.

In buying an Anchor Post Fence or Gate you are assured of superior workmanship, because each new installation is designed to maintain the reputation for quality that we have earned during the past twenty-five years.

CATALOGS Write for any of the following Catalogs: Wrought Iron Entrance Gates and Railings. Lawn, Garden and Tennis Fences. Country Estate and Farm Fences. Special Enclosures for Poultry, Dogs, etc. Garden Arches, Arbors and Trellises.

ANCHOR POST IRON WORKS
11 Cortlandt St., (13th Floor) New York
Philadelphia—Cleveland—Boston—Hartford—Newark

Your Mother Knew The Luxury Of Soft Water. Do You?

In the old home, where the family water supply came from the rain-filled cistern, she knew what soft water meant—a more comfortable bath, softer skin, whiter linens, a saving of soap, better cooking. You can bring this luxury into your modern home by installing Permutit The Water Softening Filter To Zero Hardness

Connect it in your water piping—and you will have an ample and unfailing supply of water as soft as rain and as clear and sparkling as that from a spring. You will know a comfort that you have never known before. You will understand why "velvet water"—Permutized water—is finding its place in hundreds and hundreds of homes, large and small, from coast to coast.

Let Us Send the booklet, "Velvet Water, Velvet Skin."

THE PERMUTIT COMPANY
30 East 42d Street New York

Gold Medals—Geneva, 1913—San Francisco, 1915

Drainage in the home

should have a free and continuous escape from the premises. The joints where the pipe and fittings come together should be so tight that there will not be any openings or crevices for foreign matter to lodge in.

CRANE DRAINAGE FITTINGS

are made with a shoulder against which the pipe abuts so perfectly that all "pockets" are eliminated so that the drainage may have an unobstructed flow to escape to the sewer. That is important.

We invite inquiry.

CRANE CO.
636 S. MICHIGAN AVE.
CHICAGO

Branches in 51 leading cities.
Is Your Laundry Equipment Satisfactory?

The washing mechanism of our DAYLIGHT WASHER consists of a series of Disc Cones, which are operated in an up and down motion and by PRESURE and SUCTION forces water through the fabric of the clothes. The Disc Cones cover the larger portion of the area of the washer tub and they force water through ALL the clothes at EVERY stroke of the Cones.

We do not claim that our DAYLIGHT WASHER will clean dirty clothes in sixty seconds but we do know that it is capable of cleaning any clothes that are cleanable with soap and water. It will not only do this but it will do it in Less Time, with Less Labor and with Less Noise than any other machine. It is easily operated and has such simple machinery that it will not get out of order.

The DAYLIGHT WASHER is the one machine DIFFERENT IN WASHING PRINCIPLE. DIFFERENT IN DESIGN. DIFFERENT IN APPEARANCE AND DIFFERENT IN RESULTS. SIMPLE, STRONG and DURABLE.

Made in sizes and styles to meet the requirements of any home. Hand, Belt Power or 1/2 H. P. Electric Motor.

Complete information upon request to Dept. H.

PUFFER-HUBBARD MFG. CO.
MINNEAPOLIS, MINN.

Six Schemes for the Foundation Border

(Continued from page 70)

Broad-leaved evergreens demand a house of considerable dignity (Problem 6) where they are used alone, or in Problem 2 where they are combined with evergreens. Of these, the most conspicuous are the rhododenrons. In Problem 6 they should be clothed by vines and not shrubs, in order to leave the ground clear for flowers. In Problem 2 they should be only softened and obliterated by the planting. A few deciduous shrubs are described in the planting list of Problem 6.

Of all climbing vines, fishtail ivy does best. As far as the standpoint of both looks and ease of care are concerned, it is the best. For facing down deciduous shrubs, a soft floral effect is desired, when azaleas, sweet peas, and other flowering buds. For facing down deciduous shrubs, a soft floral effect is desired, when azaleas, sweet peas, and other flowering buds are used in the border plantings in List A and B. These three groups are described in the planting list of Problem 2, where they are used alone, or in stiff lines, narcissi may be used. The pinkish flowers are planted at the tops of the spires for special use with evergreens. The choice of the places must be made with care.

Of bulbs, lilies have a par excellence affinity for rhododendrons, but the rhododenrons are inadmissible or too severe in their surroundings. Only a few herbaceous plants should be used with deciduous shrubs. All the bulbs should be used with deciduous shrubs. Clematis is used for the planting list of Problem 2 and some excellent ones for planting in front of rhododendrons in List C. In conclusion, it must be remembered that simplicity in design and restraint in the choice of shrubs, and care in their soil operations are absolutely necessary if successful effects with evergreen borders are to be obtained.

Fresh Berries—With Cream

(Continued from page 25)

fruit border is well away from trees and hedges whose roots rob the soil of much of its nourishing power, the surroundings make no partake the several suggestions made in the reference. There should be, however, plenty of room provided for cultivation around the bushes, 6' or 7' being allowed between rows in case more than a single line is planted. Black currants should stand 5' apart in the row, and raspberries, currants and gooseberries 6' or 7'.

For cultural purposes, these four species of small fruits may be divided into three groups, the first comprising the blackberries and raspberries (true "canes"), and the second the huckleberries and gooseberries. The former group calls for a supporting trellis, as already mentioned. A post may be made with stout posts, 4' above the ground and 15' apart, between which are strung three lines of heavy wire, so that these wires the canes should be tied.

Spring pruning of blackberries and raspberries makes for better fruit. It should be done early, in the winter, and the weakest canes should be cut entirely back. Only the canes which are strong and of a good growth should be left. The pruning canes should be cut off 18" from the ground to prevent the buds from being smothered. For the south, in its specified localities, it is not the nature of the soil which bears goatsbeard, but the aspect of the ground which determines the position of the plant. As a rule, it should be the additional purpose of keeping them as weeds.
**Burpee's Seeds Grow**

Five of the Finest Fordhook Vegetables

For 25c we will mail one packet each of the following Vegetables, which are unequaled in their class. No other small collection would quite so completely fill the requirements of the average garden. These are tested and proved Burpee Specialties that have given the greatest satisfaction wherever used.

- **Bean**—Fordhook Bush Lima, the most famous Bush Lima.
- **Beet**—Black Red Ball, rich color, tender, fine flavor, early.
- **Corn**—Golden Bantam, extra early, hardy, juicy, and sweet.
- **Lettuce**—irmsite Ice, large head, crisp and mild.
- **Radish**—Rapid Red, quickest growing round red radish. Crisp and solid.

25c buys all the above. Five collections for $1.00, and mailed to five different addresses if so ordered.

As a Compliment to the Ladies, we will include with each collection, a regular 10-cent packet of Fordhook Favorite Asters, embosoming all the choicest American double varieties.

Burpee's Annual for 1917

The Leading American Seed Catalog is bigger, brighter and better than ever before. We have added twenty-two pages, making it all 204 pages, and one of all, you will find thirty Burpee Specialties illustrated in color. Burpee's Annual is mailed free upon request. A post card will bring it. Write for your copy to-day and mention "Burpee Gardens.”

W. ATLEE BURPEE & CO.
Burpee Buildings, Philadelphia

---

**LUTTON MINIATURE GLASS GARDENS**

are like little greenhouses. They also embody the combination which enables you to gratify your desire for your favorite flowers and vegetables. At the same time they help you to solve the problem of the High Cost of Living.

Twenty or more kinds of vegetables and a great variety of flowers can be raised in the amateur in LUTTON Miniature Glass Gardens. Their prices are remarkably low. To meet the present high cost of materials and labor. Prompt shipment and satisfaction guaranteed.

**Special No. 2 Improved Hot Bed Frames** (covers 21 sq. ft.)

Over 8 ft. long and wide enough to fit in a 2 ft. space. Made of large lights of extra heavy glass. Carefully packed; ready set up. Price covers entire glass project. Mention "Lutton" in address. This is an ideal frame for the beginner, as well as advanced horticulturists.

Price Delivered $12.00

**Special No. 3 Diminutive Greenhouse covers 40 sq. ft.**

High enough to receive radiant heat, with large lights of extra heavy glass to each side. Mailed at once. All ready to put together in a few minutes. Portable, strong in every detail. Carefully packed, neatly finished. Fourteen good quality models in the $20 to $60 range. All made, neatly finished. Carefully packed. Price complete, freight prepaid anywhere in the U. S. East of Mississippi.

Price Delivered $23.00

Catalog "D" covers all types of glass gardens and has valuable information on gardening under glass. Write for a copy today.

**TOWNSEND'S TRIPLEX**

The Greatest Grass-Cutter on Earth
Cuts a Swath 86 Inches Wide

Floats over the uneven ground as a ship rides the waves. One mower may be climbing a knoll, the second skimming a level and the third paring a hollow.

As drawn by one horse, and operated by one man, the TRIPLEX MOWER will move more lawn in a day than any three ordinary horse-drawn mowers with three horses and three men. (We guarantee this.)

Does not smash the grass to earth and plaster it in the mud in springtime, nor crush out the life between hot rollers and hard, hot ground in summer, as does the motor mower.

The Public is warned not to purchase mowers infringing the Townsend Patent No. 1,209,519, Dec. 19th, 1916

Send for catalog illustrating all types of Townsend Lawn Mowers

S. P. TOWNSEND & CO., 17 CENTRAL AVENUE, ORANGE, N. J.
EXPRESS YOUR INDIVIDUALITY—
in the architectural design of your white stucco residence—and your good business judgment by insuring that it will not become stained or discolored after a short time. Specify

MEDUSA WHITE-CEMENT
WATERPROOFED
in which both whiteness, and the water and damp-proof quality, are integral permanent features that will never need renewing. Medusa Waterproofed white houses stay white indelibly, because the stucco cannot absorb moisture. There is no efflorescence or staining.

Write for profusely illustrated booklets showing how the owners have used Medusa Waterproofed White Cement for exterior stucco on concrete, hollow tile or lath, and how adaptable it is for the most beautiful exterior and interior decoration, in columns, steps, railings, pergolas, fountains, concrete garden furniture, etc.

Medusa Waterproofing may also be obtained for use with grey cement for absolute damp-proofing of residences, farm buildings and industrial structures of every kind.

Build for permanence, and waterproof when you build.

Whether you contemplate building immediately or not, write for copies of "Medusa Waterproothing" and "The Medusa White House" today.

THE SANDUSKY CEMENT COMPANY
DPT. D., CLEVELAND, OHIO, U.S.A.


BUILDING PLANS AT LOWER PRICES
We will now make plans and specifications according to your ideas for 15% of building cost (instead of regular 25% for same service as by all architects). Includes preliminary sketches, 2 sets blueprints, 2 sets specifications.

Plans including preliminary sketches and 2 sets of blueprints for 1/4 of building cost.

DESIGNING OF COUNTRY HOUSES
UNIVERSAL STUDIO, ARCHITECTS
47 Broadway, New York

The Trysting Place
BRING your summer life into the wholesome out-of-doors—do make your garden a spot where children may play, lovers may meet or Darby and Joan find leisurely comfort. A graceful arch, a hosed out, a trellised arbor—each will play its part in transforming your garden into a sun-flecked living room. The 72 pages of the GardenCraft Handbook (wherein one hundred photographs) are waiting with their artistic suggestions to aid you in the transformation. Girdly mailed on receipt of 18 cents in stamps.

Fresh Berries—With Cream
Bushing with "open" tops which will allow a circulation of air and the needful sunshine. Perhaps the cultivated plant of any variety never existed which was not absolutely subject to one sort of disease or insect pest. Certainly the small fruits are not immune, though there is nothing in this connection which need cause you to hesitate about growing them. If red rust appears on the leaves of your blackberries or raspberries, cut out and destroy the badly infected plants, at the same time spraying the rest with Bordeaux mixture as a preventative.

Anthracnose is characterized in a similar manner, and the remedy for borers is to cut and destroy the canes which they have attacked.

In the case of currants and gooseberries, the commonest trouble is the currant worm, which eats the foliage and will sometimes strip the bushes of all their leaves if unchecked. Two washings with arsenate of lead will prevent his ravages—the first applied as soon as the leaves appear, and the second when the plants are in flower. San José scale, should it put in an appearance, is controlled by soluble oil spray during the first season. Cutting the currant borer, and Bordeaux for rust on currant bushes are the usual measures for all blackberries, raspberries, or black currants, and for many of the other kinds of berry plants.

The number of varieties of blue apples is remarkable, and in our experience the person charges into the market, or the housewife who has a list about like this:

Blackberries—Early Harvest, dorado, Snider and Rathbun, Raspberries—Cuthbert (red), Golden Queen (yellow), Canberry (black), Black Diamond, Columbia (purple), and St. F. (ever-bearing).

Currants—Perfection (large black), Cherokee and Yah'Profi (red), Showy (white) and several others, mostly American in origin, but none of them have the Beaches of the English currants. With the exception of Bob (both of these are red, and the uncedented, very large fruit of the British variety), there is nothing in this connection worth mentioning.

Downing is perhaps the best of the smaller-fruited American varieties, and produces very heavily.

Flowers of the Rainbow Goddess
(Continued from page 71)

true blue flowers. As this Iris inter- rumin shows the dwarf foliage of the European hybridizers in part of one parent with the tall stems of the other—the flowers are lifted from 12" to 18" above the leaves—it seems to be a most desirable addition. Its flowers are perfect in form and have clear and decided colors, and will prevent his ravages—the first applied as soon as the leaves appear, and the second when the plants are in flower. San José scale, should it put in an appearance, is controlled by soluble oil spray during the first season. Cutting the currant borer, and Bordeaux for rust on currant bushes are the usual measures for all blackberries, raspberries, or black currants, and for many of the other kinds of berry plants.

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Downing is perhaps the best of the smaller-fruited American varieties, and produces very heavily.

Flowers of the Rainbow Goddess
(Continued from page 71)

true blue flowers. As this Iris inter- rumin shows the dwarf foliage of the European hybridizers in part of one parent with the tall stems of the other—the flowers are lifted from 12" to 18" above the leaves—it seems to be a most desirable addition. Its flowers are perfect in form and have clear and decided colors, and will prevent his ravages—the first applied as soon as the leaves appear, and the second when the plants are in flower. San José scale, should it put in an appearance, is controlled by soluble oil spray during the first season. Cutting the currant borer, and Bordeaux for rust on currant bushes are the usual measures for all blackberries, raspberries, or black currants, and for many of the other kinds of berry plants.

The number of varieties of blue apples is remarkable, and in our experience the person charges into the market, or the housewife who has a list about like this:

Blackberries—Early Harvest, dorado, Snider and Rathbun, Raspberries—Cuthbert (red), Golden Queen (yellow), Canberry (black), Black Diamond, Columbia (purple), and St. F. (ever-bearing).

Currants—Perfection (large black), Cherokee and Yah'Profi (red), Showy (white) and several others, mostly American in origin, but none of them have the Beaches of the English currants. With the exception of Bob (both of these are red, and the uncedented, very large fruit of the British variety), there is nothing in this connection worth mentioning.

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Flowers of the Rainbow Goddess
(Continued from page 71)

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Downing is perhaps the best of the smaller-fruited American varieties, and produces very heavily.
A merica now leads the world in the production of high-grade Asters, and our own famous strains, grown under our personal supervision, are acknowledged by experts to be unsurpassed.

We offer in our 1917 Garden Book over sixty distinct varieties and colors, but particularly recommend the following collection of six sorts, embracing several distinct types and colors, and which we feel sure will, on account of their free growth, profuse flowering, large size, and general excellence please the most critical growers of this popular flower:

**DREER'S SIX FAMOUS AMERICAN ASTERS**

- **Dreer's Peerless Pink.** Conceded to be the finest pink Aster ever offered. The form is nicely shown in the illustration.
- **Dreer's Crimson Giant.** Densely double flowers of rich blood-crimson.
- **Crego's Giant White.** The finest white Comet variety with immense fluffy flowers.
- **Crego's Giant Pink.** Identical to the white variety except in color, which is a beautiful soft shell-pink.
- **Rose King.** Handsome double quilled flowers of a brilliant rose color.
- **Violet King.** Very double, slightly quilled flowers of a pleasing soft shade of violet.

Price: Any of the above Six Famous American Asters, two packets for 25 cts.; or a collection containing a packet each of the six sorts for 65 cts., postpaid.

For complete list of Asters and cultural directions see our Garden Book for 1917. Copies free with each order.

Asters are but one of our specialties in Flower Seeds. Among our many other specialties we would mention particularly:

**DREER'S RELIABLE VEGETABLE SEEDS**

The very best of the novelties as well as the well-tried standard sorts.

**DREER'S CELEBRATED LAWN GRASS SEEDS**

Special brands noted for their adaptability to various situations and soil conditions. Dreer's Booklet on Lawn Making free on request.

**DREER'S ROSES FOR THE GARDEN**

We offer this season over 250 of the very choicest varieties, more than half of the number being of the Hardy Everblooming Hybrid-Tea Class, all in strong two-year-old plants that will give a full crop of flowers this season.

All of the above and many more with valuable cultural hints are fully described and illustrated in **DREER'S GARDEN BOOK FOR 1917**

The most complete and comprehensive catalogue of Seeds, Plants, and Bulbs published in the United States. A copy free to those who mention this publication.

HENRY A. DREER
Flowers of the Rainbow Goddess

(Continued from page 74)

or rhizomes—which is characteristic of the members of the German strain—will do without a great amount of moisture and thrive in dry places as well as anywhere else, while the species having thinner and deeper growing rhizomes need considerable water, some of them even demanding distinctly moist places.

PLANTING AND BLOOM SUCCESS

The first flower usually is Iris pumila, the dwarf iris from Cromea, with deepest purple flowers, along with its varieties alba, which is white, and su/laurea, which is yellow. Following this comes Iris reticulata, in company with the Florentine iris and I. Sibirica. Close on the heels of these are the army of German irises, some earlier than others, yet none more than a few days apart. The Spanish strain comes into bloom in early June before the German has done flowering, and following it the English work starts in late in the month. Meanwhile, the Japanese varieties have wound under way, and these continue in flower after everything else has passed unless given water, of course, that their situation is congenial and that they have had proper feeding and watering.

All irises may be naturalized, for they are plants that lend themselves particularly to the careless abandon of Nature's planting; indeed, they are never so well placed as when thus treated. That they should never go where their foliage will be cut is very certain, for their leaves are decorative and essential to their life.

But naturalistic planting does not invariably imply scattering in grass! It means, rather, setting the flowers in the garden or against a shrubbery background, in opposition to bedding. And when I use the term in connection with iris, I mean this.

Someone has said that irises are as easy to grow as potatoes, and having grown the latter in large quantities, I am prepared to say that they are indeed much easier to grow than good potatoes, for they do not need cultivating, or spraying, or tending a bit in the world, once you get them in the right place and give them the food they like. It seems to be true, however, that there is no telling where the right place except by trying. I have had iris clumps grow and thrive where I knew beforehand they could not possibly live! And I have had other rhizomes grow on their own roots and are thus aided in their naturalistic planting. All irises are very hardy, and can be grown as easily as anywhere else; while the species having thinner and deeper growing rhizomes need considerable water, some of them even demanding distinctly moist places.

DEPTH AND CARE

Plant the roots of the bulbous 3" to 4" deep, and if your soil is at all heavy, give each one a bed of sand to lie in. Plant rhizomes of the Germanica and sections flat—parallel with the face of the rootstock, and not all around it. A clump left for two years to form a circle of leaves instead of a clump, and the middle will be a mass of white grass. Treat rhizomes similarly. Take them out of the open ground in the fall. Rhizomes of the bulbous iris should be taken out portions of the rhizome.

To secure the best results with Japanese iris, plant them well down in the water, because they are very shallow-rooted. The primary object of planting them, after all, is to make good, and when they have formed their leaves, they can be taken up and divided in the fall. Separate the rhizomes into clumps of six or eight, and plant them in the same way as the bulbous iris, but let them rest for the winter. Handle the rhizomes carefully, as they are very delicate and easily broken. Do not show a distinct gain in size in the following spring is to follow, for in the fall, the plants will not do as much good.
FREE—Write today for our new catalogue entitled

The World's Best Dahlias

accurately describing 730 selected from over 2500 of the "best" secured from all sources, all the best and standard varieties in Cactus, Decorative, Giant Flowering Show, Fancy, Pompon, Paony, Duple, Collarette, Anemone, Centaury and Single. Natural color reproductions of new Decoratives, "Dr. Tyrrell" and "Minnie Burgle" and 38 beautiful half-tone illustrations of the distinct types. The leading Dahlia catalogue lith the 1917 novelties. Look "The Dahlia" new, fifth and revised edition, 104 pages 80 x 1/4 \"iccurately describing 730 selected from over 2500 of the "best" secured from all sources,—all the best and standard varieties in Cactus, Decorative, Giant Flowering Show, Fancy, Pompon, Paony, Duple, Collarette, Anemone, Centaury and Single. Natural color reproductions of new Decoratives, "Dr. Tyrrell" and "Minnie Burgle" and 38 beautiful half-tone illustrations of the distinct types. The leading Dahlia catalogue lith the 1917 novelties.


PEACOCK DAHLIA FARMS
Berlin, New Jersey

Shall I tell my Secret?

My home is my pleasure. Perhaps it didn't cost as much as some homes to build, but what fun I've had planning it! And, of course, the grounds have been my greatest source of joy.

Moons' helped me. First, by sending their catalogue. It suggested just the right species based on the rough plan I made. And such fine, healthy specimens of evergreens; not expensive, either, especially when you consider their size and growth.

But, my secret. I was made a flattering offer. I found the house isn't worth any more, but the grounds are. So, really, my pleasure has been making me money. Moons' have helped me. If I were you, I'd write Moons' for Catalogue No. 44. They have a Hardy Tree or Plant for every place and purpose.

THE WM. H. MOON COMPANY
NURSERYMEN
Philadephia Office
Morrisville, Pennsylvania

This Book Tells How to Keep the Family Food Clean and Wholesome

WRITE TODAY for the Monroe Book on Home Refrigeration. It's Free. Thirty-six pages devoted to money-saving, health-protecting facts on this important subject. Learn how easy it is to get a "Monroe"—the best refrigerator made. One that will outwear ordinary refrigerators, and earn its cost several times over. A "Monroe" will save one-third or more on ice bills.

The "Monroe" has beautiful snow-white food compartments, molded in one piece of Genuine Solid Porcelain Ware over an inch thick, with every corner rounded.

Not a single joint, crack or crevice to harbor dirt or germs. Can be sanitized and made germlessly clean in an instant by wiping out with a damp cloth. Food kept in the cold, dry, odorless atmosphere of "Monroe" food compartments is always clean and safe.

A. P. GREIM
BIRDVILLE, TOMS RIVER, N. J.

Note: Woodpecker houses are provided with the proper quantity of special nesting material. While the cost of materials for the birdhouse has doubled in the last five years, our prices are still the same.

A P. GREIM
BIRDVILLE, TOMS RIVER, N. J.

30 Days Home Trial

Monroe Refrigerator Co.
44 BENSON STREET, LOCKLAND, OHIO

The Monroe Company, First, by sending their catalogue. It suggested just the right species based on the rough plan I made. And such fine, healthy specimens of evergreens; not expensive, either, especially when you consider their size and growth.

Shall I tell my Secret?

My home is my pleasure. Perhaps it didn't cost as much as some homes to build, but what fun I've had planning it! And, of course, the grounds have been my greatest source of joy.

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30 Days Home Trial

Monroe Refrigerator Co.
44 BENSON STREET, LOCKLAND, OHIO

The Monroe Company
The Comfort of Sparkling, Safe Water

In every home, for all household uses, stainless, attractive, safe water is extremely desirable. Besides its evident value in your bath, in laundry, kitchen or pantry, filtered water practically does away with the trouble from leaky faucets and valves and affords great protection to your handsome bathroom fixtures, piping, boilers and mechanical equipment because it is free from grit, mudliness and suspended matter of all kinds as well as odor or taste.

Loomis-Manning Filters

afford the maximum of such protection because they are extremely simple to take care of, they are scientifically designed to keep in excellent working order and are made in a substantial, durable manner.

These filters can be readily installed without confusion in new or old houses or buildings. The parts can be taken through an ordinary doorway. They cause no appreciable reduction in the flow of water or in pressure, and are suited for use with any kind of water supply system—either city or country. They are made in several sizes and types to meet any water conditions.

We have perfected a splendid method for cleansing discolored hot water and for the removal of iron rust and stain from either cold or hot water. Send for full information.

The best solution for Water Troubles—Hot or Cold.

Loomis-Manning Filter Distributing Co.

1445 South 37th Street

The Beautifying Group

The beautifying group consists of a dressing table, a chiffonier and a bureau or a chiffonier for a man's use. Once on a day these came in shining walnut and were not only ornamental but now they may be had "in the plain" from the manufacturers and stained and painted any color desired. By using an inconspicuous color for paint and stripping, thus breaking the large dark surfaces, the chiffonier does not appear so cumbersome and certainly becomes a convenient piece of furniture.

Almost any bureau or chiffonier is improved by taking off the mirror and hanging it by itself at the required height. A chiffonier and dressing table make a useful combination much better than the old-fashioned bureau, as one could not be too neat to dress at a bureau.

A dressing table with a tripod mirror is the most satisfactory decorative type. The most attractive style I know hasometer frames with curved tops. But the most important thing in the dressing table is the light which is given. When there are no available side wall lights, an electric arm may be clamped onto the table glass and covered with a prettily shaded of suitable design.

Charming little dressing tables may be made from a set of drawers, just a box with a shelf placed midway for slippers, etc., and draped with a taffeta or cretonne in long ruffled plain mirror frame may be covered with the same cretonne used for the dressing table. A tiny mirror table is in luxury that I am surprised that more bedrooms do not boast them. It usually balances a dish of flowers on her knee or takes the glass of water in your hand, and it's going to take at least one generation before we buy the dressing table with the mirror on the wall. A cheap, small oval black table with a drawer will serve the purpose admirably. If the mirror is a slipper chair or by the chaise longue, it would be a real joy and convenience to be appreciated.

The slipper chair, by the way, becomes almost a necessity in days of fat living and heavy furniture. Low, snugly upholstered, they are most conveniently placed at the foot of the bed, an ordinary slipper chair may be converted into a very sentable slipper chair by taking off inches off its legs.

The Boudoir End

The remaining group is the bed end of the room. Some lucky house has a real boudoir or it may be that many of us are thoroughly blessed by having a bed-room large enough to have assembled in or near to have assembled in the essentials of a boudoir.

The main thing is to have a table. Whether it is a bed-table, a night stand or a wicker doesn't matter—but a small table with a drawer and glass and covered with a prettily shaded of stained glass, etc., is the very last thing one wishes to be without. This, by the way, will serve as one's dressing table, as the lady can sit here, preferably with a colored table shade, and get her toilette the essentials of a boudoir.

The main thing is to have a chair. Whether it is a chaise longue or wicker doesn't matter—but a small table with a drawer and glass and covered with a prettily shaded of stained glass, etc., is the very last thing one wishes to be without. This, by the way, will serve as one's dressing table, as the lady can sit here, preferably with a colored table shade, and get her toilette...
These Shrubs Will Fill Your Place With Bloom

Rhododendrons and Azaleas have long been favorites for lawn planting. Their lustrous green foliage is mostly evergreen and presents a delightful contrast with the handsome flowers.

Rhododendron Catawbiense. The hardiest and most striking native, delights in full sun. Well-budded plants that will bloom this year, $1.50 to $2.50 each. Special quantity prices.

Rhododendron Catawbiense Maximum. The best for massing. Flowers arrive nice and full-size. Well-budded plants, $1 to $2.50 each. Special quantity prices.

Rhododendron Hybrids. Splendid for lining near the residence. Colors: white, pink, rose, scarlet and crimson. Well-budded plants, $1 to $2.50 each. Special prices in quantity.

Azalea Mollis. Nearly all colors imaginable are found in the varieties of this beautiful shrub. Strong, heavily-budded plants, $2 to $3.50 each.

Azalea Amoena. Bears solid masses of rich wine-red flowers in May. We have a limited number of extra large specimen plants, $13 to $25 each. Smaller sizes, $1 to $2 each.

Azalea Indica Alba. Masses of pure white flowers. Extra large specimens: plants, $15 to $25 each. Smaller sizes, $1 to $2 each.

Cromwell Gardens Handbook contains information about shrubs, trees, evergreens and roses. It will help you plan your grounds or garden. Be sure to get a copy.

A Better Lawn At Less Expense

The Fuller & Johnson Motor Lawn Mower is designed for the lawn with numerous flower beds, shrubs and trees, where great flexibility as well as large cutting capacity is required.

This wonderful mower, as large as the lawn mower you would need at the home farm, is light enough to be handled by one person. It will cut grass and water yet so light that it will cut close up to and around trees, under the shrubbery, and along walls and driveways, thus entirely eliminating the necessity for edging up afterwards with a hand mower. This wonderful mower is backed up by 19 years' reputation of the Fuller & Johnson Manufacturing Co. for the highest manufacturing integrity.

It is scientifically designed and built as a complete unit. Indeed, its balance and proportion show a great deal of the maker's thought in every detail of the mower that has resulted in its most striking characteristic — the motor itself. If it were possible to disassemble this wonderful motor lawn mower here we would marvel at the extraordinary thought and study given to the planning of its smallest feature — the induction case used in the finishing and adjusting of its smallest part. The greatest characteristics of simplicity.

We are sure that the lawn mower here we are sure that the lawn mower here will meet the most rigid demands of your lawn in the most satisfactory manner.

A Better Lawn at Less Expense. The Fuller & Johnson Motor Lawn Mower is designed for the lawn with numerous flower beds, shrubs and trees, where great flexibility as well as large cutting capacity is required.

For every flower there is "just the right" piece of FULPER.

POtTERY
LOW and HIGH BOWLS
VASES and ODD SHAPES
TWIG STICKS—FLOWER HOLDERS—WALL VASES
and other beautiful pieces for decoration and use.

Sold by the best stores everywhere.

Illuminated Portfolio on Request.

FULPER POTTERY
333 6th AVE.
New Jersey
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MEDAL OF HONOR—highest possible award—Panama-Pacific International Exhi-

bition, San Francisco, 1915.

The Dahlia
A Flower Supreme

Nothing Can Take Its Place

In late summer and autumn the Dahlia is indispensable for cutting. It yields great armfuls of gorgeous velvety flowers until frost.

Queen Emma

Paeony-flowered Dahlia. Coloring a mingling of pale violet-rose and pale gold, the latter more pronounced on the inner petals; on the outer ones it appears as just a glistening sheen. Reverse of petals deeper violet-rose. Center yellow. A strong grower and free bloomer even in hot, dry seasons. 25c each.

We have 149 more selected from the best American and European sources. Among these are many that we think can be secured from no other American grower.

Send for Our Catalog

It describes them all. It also describes our Irises, Gladioli, Paeonies, Cannas, Hardy Phlox and many other plants and bulbs. It also lists all kinds of field, flower and garden seeds.

THE WING SEED COMPANY
Box 1327, Mechanicsburg, Ohio
characteristic of the fresh specimens. When sliced through the center there is revealed a yellowish, dusky, or smoky color, the specimen is fatal. Puff-balls are widely distributed and fairly common in most localities from midsummer until late fall. The one most frequently met with is the small, top-shaped puff-ball which measures 1" to 2½" in diameter. It grows on the ground in open, grassy places, scented by shrubbery in profusion. The placenta are white but become dark grey or greyish-brown as they mature. Often when freshly cut yields ofoutsward appearance, inspection of the interior will reveal the tinge of color which betokens that the specimen has either passed beyond the edible stage. When sliced and browned in butter puff-balls are a sweet dish.

In late summer and autumn the giant puff-ball makes its appearance in pastures and open places. It is frequently found in corn fields between the rows of standing corn, eaten of it the case is so far that it is of no consequence. Although Amanita farinosa and many of the other species which resemble it are white but become dark grey or numerous family which is responsible for the mischief. The puff-ball when found growing among grassy places, grassy places or even lawns, is one of the most heartrending sights that the sighter of the sighter of "Death Angel" because of its extremely potent poison. A small time a person begins to feel the symptoms of trouble after eating of it the case is so advanced that it is impossible to the patient. For some of these fatal poisons no antidote is known. The Common Edible Mushrooms

Inhabiting the same open, grassy places in which the Amanita grows there found grows the common mushroom so extensively used for food, Amanita campyi. General appearance there is a similar fungus which probably has deceived many of us. Yet the student will find that after a little in distinguishing between this and the various forms of Amanita. A study of woods in connection with freshly gathered specimens of each is the only way to a proper understanding of the fungi and similar matters.

The Agaricus grows almost entirely outside of the woods. In some places it grows in luxuriant abundance. Many people without scientific knowledge know what mushrooms gather it freely and in most cases without dire results. Puff-balls are widely distributed and frequently found in corn fields between the rows of standing corn. The mushroom probably has deceived many of us. Yet the student will find that after a little in distinguishing between this and the various forms of Amanita. A study of woods in connection with freshly gathered specimens of each is the only way to a proper understanding of the fungi and similar matters.

The Field Mushroom, or Fairy

Closely allied in species, not in appearance, is the Fairy. The mushroom will early come acquainted with this form if the experience of the peculiar affection each time he discovers it is a dainty little creature varying in color from white to pink is of a somewhat lethargic appearance. In size it measures often occurring in groups or clusters, and because of its late season is usually rare from insects. Its aroma when cooking fills the room and brings everyone to the table keen of appetite. The Pleurotus genus includes the well-known oyster mushroom whose common name sometimes suggests the outline of an oyster shell. By many this latter variety is classed as one of the finest of the edible fungi, although it is rather tough, especially with age. After the amateur has had a little field experience he will have difficulty in distinguishing out the members of this genus and will run no risk in using them for food. Their characteristics are such as to preclude the possibility of making any mistake.

The Deadly Amanitas

Most of the accidental poisonings from mushrooms of which one reads in the newspapers come from using fungi of which are of the ordinary "toadstool" type and which grow upon the ground either in woods or fields. Many of our most prized edible forms have their homes in such places—but do the deadly mushrooms which cause the proportion of accidental deaths. The Amanitas are readily distinguished from the toadstool forms by the careful student, but the amateur or novice may easily be led astray. And certainly the indiscriminate individual who gathers and uses specimens which merely resemble some he has seen others gathering need not expect to escape the consequences.

Knowing the Wild Mushrooms (Continued from page 60)
Why You Should Have a KOHLER Sink in Your Kitchen

KOHLER Sinks have the same quality distinctions that make KOHLER Bath Tubs and Lavatories first choice for the well planned home.

The patterns are varied, to suit every requirement, and the designs have the hygienic features that are characteristic of all KOHLER WARE

"It's in the Kohler Enamel"

KOHLER Sinks are made for right and left-hand corners, for recesses and for open wall spaces. They have right, left or double sloping drain-boards, and are made with and without aprons.

The whiteness of the enamel is notable in all KOHLER products, each of which has our permanent trade-mark—a guarantee of its high quality.

If your plumber has no specimens of KOHLER WARE on display, write us, and we will send you our interesting book, "KOHLER OF KOHLER." Address Dept. F-4.

KOHLER CO., Founded 1873 Kohler, Wis.


* The KOHLER permanent trade-mark in faint blue appears on end of sink shown by star.

YOU cannot have the charm of a home that always looks fresh in its colors until you have seen roof and side walls in two soft-toned browns or greens, or a "Dixie White" and a moss green, made possible by using CREO-DIPT STAINED SHINGLES

"CREO-DIPT" STAINED SHINGLES

Ask for color pad and book of homes.

"CREO-DIPT" CO., Inc.
Standard Stained Shingle Co.
1012 Oliver St.
No. Tonawanda, N. Y.
Note in Chicago for West

This house is one of more than 200 in Cincinnati with different CREO-DIPT color combinations.

THREE of the essentials for success in building a home are—a practical plan, artistic design, and good workmanship. But without the fourth essential—proper selection of materials—the other three are of little avail.

Take the matter of lumber. All woods are not equally good for all uses. One is good for one purpose—another for another. Select woods for their proper uses, and you will have no disappointments.

WHITE PINE

Any architect, carpenter or lumber dealer will tell you that for the outer covering of a house—subjected to the rigorous onslaught of rain and snow, heat and cold, sun and wind—no other wood is so durable and holds its place so well, without warping, splitting, rotting or opening at the joints, as White Pine.

"White Pine in Home-Building" is beautifully illustrated and full of valuable information and suggestions on home-building. Send today for this booklet—free to all prospective home-builders.

"The Helen Speer Book of Children's White Pine Toys and Furniture"—a fascinating children's plan book, from which a child may build his own toys and toy furniture. Prepared by Helen Speer, the toy expert. If there are children in your home, send free on request.

Address WHITE PINE BUREAU
1419 Merchants Bank Building, St. Paul, Minn.

Representing
The Northern Pine Manufacturers' Association of Minnesota, Wisconsin and Michigan, and The Associated White Pine Manufacturers of Idaho

PETEJERSON, SINCLAIRE & MILLER, INC.

LAWN CONSTRUCTION

In building the foundation, selecting the fertilizers, preparing the soil, choosing the proper seeds, and producing the turf, as well as providing for its maintenance, the scientific and practical experience of our engineers and the results guaranteed by us are invaluable.

Our new booklet, "Turf Engineering," should interest every estate owner. Mailed on request.

25 WEST 45TH STREET NEW YORK

TURF ENGINEERS
Cornell Systems of Irrigation
Make You "Rain-Independent"

WHEN your neighbors' lawns and gardens are burning up during the dry days of midsummer, your grounds will be flourishing in luxuriant green, if irrigated by the Cornell Systems. For all time these systems deliver form which grows in the woods.

Cornell Systems are quickly installed, without injury to the ground. They eliminate the inefficient, time-wasting hose. And they are inexpensive to operate.

The Underground Systems for Lawns, illustrated below, lends beauty to any lawn, and they are inexpensive to operate.

The Overhead System for Gardens consists of upright pipes rising from underground lines. No overhead piping to interfere with cultivation. No small apertures mowing.

The famous Cornell "Rain Cloud" Nozzle produces an artificial rain which can be instantly regulated at will from a fine mist to a heavy shower. For small lawns we recommend our Portable Sprinkler, covering areas from 15 to 45 feet in diameter.

Write for Illustrated Booklet
W. G. Cornell Company
Engineers & Contractors
UNION SQUARE, NEW YORK


Color Tendencies in Spring Fabrics

(Continued from page 37)

A very beautiful example of a hand-blocked French linen is illustrated below. For the first three instances, it shows rich yellow flowers, brilliant green foliage, and gray cloud effect soft brown and red, violet, tan and gray. It comes 31" wide and costs $1.75 a yard.

Quite European in character is the very quaint bird pattern, which would be most effective with early English furniture. Not only is the design more than ordinarily good, but the color schemes are such that one seldom finds in a domestic cretonne. The narrow stripe is black with the design in gray. It is $1.50 a yard.

Cornell "Rain Cloud"

This one may be had in a narrow stripe is black with the design in gray. It is $1.50 a yard.

Plants, Automatic Sewage Ejectors.

Color Tendencies in Spring Fabrics

(Continued from page 37)

A very beautiful example of a hand-blocked French linen is illustrated below. For the first three instances, it shows rich yellow flowers, brilliant green foliage, and gray cloud effect soft brown and red, violet, tan and gray. It comes 31" wide and costs $1.75 a yard.

Quite European in character is the very quaint bird pattern, which would be most effective with early English furniture. Not only is the design more than ordinarily good, but the color schemes are such that one seldom finds in a domestic cretonne. The narrow stripe is black with the design in gray. It is $1.50 a yard.

Cornell "Rain Cloud"

This one may be had in a narrow stripe is black with the design in gray. It is $1.50 a yard.

Plants, Automatic Sewage Ejectors.

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Bay State Agatex

Block the attacks of water, grease, scuffing shoes and heavy furniture on your cement floors with Bay State Agatex.

Cement is porous. The first drop of grease spoils ruin to the even, good-looks of your floor. No amount of scrubbing will rejuvenate it. Water is absorbed and the resulting dampness is unhealthful. Constant friction creates dust, cracks and pits. And, think—a little precaution—a coat of Agatex will keep your floor new.

Two coats of Bay State Agatex cover your floor. It sinks in and binds every little particle of cement. It makes the floor waterproof, waterproof, oil-proof, dustproof and every-other-kind-of-proof.

Send for our booklet No. A. It tells how and why you should use Agatex, also what it costs.

Bay State Brick and Cement Coating makes brick, cement and stucco walls waterproof. It gives them a good complexion and makes it there. Made in white and a vast variety of colors. Made in white and a vast variety of colors. Send for samples and Book No.2.

WADSWORTH, HOWLAND & CO., Inc.
Point and Varnish Makers
Boston, Mass.

New York Office: Architects' Building

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THE most practical garage hanger on the market today. Adjustments are such that the doors can be moved up or down and to or from the building as conditions require. The door is hinged in sections and slides easily around the inside corner of the building. The entire outfit is thus protected from the weather. No more accidents or trouble from the use of the old style hinged swinging doors. The single door obviates the necessity of opening the entire set when not required. When open the door lies close against the wall allowing full clearance for entering and leaving.

For small to large buildings where sliding doors are desired. A card to our Service Department will bring you descriptive circulars illustrating the new Myers Hanger.

F. E. MYERS & BRO. ASHLAND, OHIO ASHLAND PUMP AND HOSE WORKS

For Roofs, Siding, Timbers and all Other Outside Woodwork where beautiful and lasting colors, durability and preservation of the wood are desired, use Cabot's Creosote Stains.

Cabot's Creosote Stains

For many years this company has been manufacturing and selling the finest Creosote and Creosote products. They are used on all kinds of woodwork, including timbers, trim, and siding. The product comes in various shades and tones, and is suitable for almost any application. It is resistant to rot, decay, and insects, and provides excellent protection against fire.

Send for samples and Book No. A.
Fourth, protection: the use of such measures as will guard the plants is recommended against insects and diseases likely to interfere with their perfect development; and in winter, from injury by freezing, the weight of snow, etc.

Anyone who is starting out to grow roses must make up his or her mind in advance that much careful thought and some experimenting along each of these lines will be necessary before full measure of success is to be expected. You may say to yourself "Uneasy lies the head that would wear a crown of roses," but most of these things, after the first year or so of experience, will become routine work, not nearly so formidable as it looks to the beginner. It is much easier to succeed with roses today than it was a few years since.

There are more good varieties that are also robust and hardy; there are newer types suitable for conditions under which the older sorts would not succeed; and the means of fighting insects and disease have been improved in efficiency and also in convenience. There is no reason for the rose lover to be discouraged. But not to call attention you may still find in the catalogues of the nurseries, only a few miles from New York, or Write for Our Complete Illustrated Catalogue.

Bobbink & Atkins

Special Features: Spring Planting

HOME GROWN ROSES
TREES and ORNAMENTAL SHRUBS
HARDY OLD-FASHION FLOWERS
OUR GIANT FLOWERING
MARRSHMALLOW
HOME GROWN RHODODENDRONS
EVERGREENS
and 150 other specialties

Five Hundred Acres of Nursery; Half a Million Feet Under Glass. Visit Our Nurseries, only Eight Miles from New York, or Write for Our Complete Illustrated Catalogue.

Rutherford, New Jersey

The Ever Essential Rose

(Continued from page 31)
Quick Growth for Lawn and Garden

Your grass, flowers and vegetables will show the same remarkable results that these Cleveland people secured.

Nitro-Fertil is an odorless liquid to be mixed with water—two tablespoonsful to the gallon. It soaks in around the roots where it is immediately absorbed by the plant, thus stimulating a quick, healthy growth.

Nitro-Fertile supplies every element needed for plant growth and will give you better foliage, finer fruit and larger blooms.

What Cleveland Users Say

Rudolph F. Thurman, Statesville Driveway Estates, Chicago, Ill.: "The Nitro-Fertile I give the state the greenest grass I have ever seen. It is full of interesting information which you are
describes the Moninger method of greenhouse construc­
tion. It is sure to find helpful.

The choice of the largest commercial growers all over the country and practicability of their construction have made them the finest country places in America and the strength

Moninger Greenhouses

are constructed to combine both beauty and strength. Their graceful lines have added to the charm of many of the finest country places in America and the strength and practicability of their construction have made them the choice of the largest commercial growers all over the country.

We will be glad to send you our new booklet which describes the Moninger method of greenhouse construction. It is full of interesting information which you are sure to find helpful.

JOHN C. MONINGER COMPANY

Chicago Cincinnati New York
911 Blackhawk St. 2311 Union Central Bldg. 811 Marbridge Bldg.

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THE SOUTHERN CYPRESS MANUFACTURERS’ ASSO­CIATION HEREBY INFORMS YOU THAT ALL CYPRESS NOW AND HEREAFTER SHIPPED BY MILLS WHICH ARE MEMBERS OF THE ASSOCIATION WILL BE IDENTIFIED BY THIS MARK

TRADE MARK REG. U.S. PAT. OFFICE

This registered trade-mark will be, henceforth, your INSURANCE POLICY OF QUALITY

It will appear stamped (mechanically and indelibly on one end, or both ends, of EVERY board and timber of CYPRESS “THE WOOD ETERNAL”

CYPRESS FLOORING, SIDING, MOULDS AND SHINGLES, which come in bundles, will bear the same mark on EVERY BUNDLE.

The legal right to apply this epoch-making symbol of strict RESPONSIBILITY IN LUMBER MAKING AND SELLING is, of course, restricted to those Cypress mills which, by their membership in the Southern Cypress Manufacturers’ Association, attest their devotion to its Principles of SERVICE to the CONSUMER AND their forthright appreciation of its open and progressive educational methods. Only mills cutting the "Tuskegee" Cypress are eligible for membership. Cypress which obeys the rules of the Southern Cypress Manufacturers’ Association is stamped with a trade mark. Only mills which adhere to the Association’s standard of acceptable care in methods of MANUFACTURING, INTEGRITY and ACCURACY OF SATISFACTION can belong to the Association. Those responsible "A-1" mills the Association now licenses to certify their Cypress by applying the registered trademark with their identifying number inserted.

CERTIFY THEIR CYPRESS

Southern Cypress Manufacturers’ Association

113 Illinois Bank Building, New Orleans, La., or 1210 Heard National Bank Building, Jacksonville, Fla.

Insist on Trade-Marked CYPRESS at your local lumber dealers. If he hasn’t it, let us know.

7,000,000 bulbs of the best quality were produced at "Cedar Acres" the past season. This splendid stock makes me independent of foreign importations and enables me to offer the best bulbs of the best varieties at exceptionally low prices.

For example, in lots of 100: America, light Pink, $2.00; Baron Hulot, blue, $3.00; Halley, salmon pink, $2.00; Isaac Buchanan, yellow, $6.00; Panama (com­panion to America) hermosa pink, $5.00; Mrs. F. Pendleton, 2c., pink, red blotched, $7.50.

My illustrated booklet No. 17 describes many new and marvelous creations. It gives cultural instructions and much in­teresting information about the Gladioli. You should have a copy of it. It is free.

EXCLUSIVELY

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Let our ALL-ROUND HELPS DEPARTMENT help YOU MORE.

Our main resources are at your service with knowledge in every department of your needs in Garden and Nursery work.
The light that matches your furnishings

In your ambition to beautify your home often have you longed for a lighting fixture which would strike a warmly sympathetic note with the decorative scheme. Illumination and decoration may now be brought into perfect harmony by means of the Holophane® Decolite.

Decolite consists of a double bowl-shaped lighting glass. Between the two bowls you insert fabric of your own selection. While you change your draperies this Spring, material from your own pattern and color to harmonize with your room or another one in the house. Imagine the beauty of a room in which the lighting fixtures and the curtains and furniture coordinate. It is safe to predict a great popularity for it in the near future.

The Decolite spreads a soft restful glow throughout the room. *No glare or eye-strain.* Scientifically designed to give the best quality of light at a saving of current.

The wonderful Holophane® Decolite, the light of your personality, is available for only two dollars per foot.

If your Dealer cannot supply you write for the Free Booklet, "Decolite, the Light of your Personality giving helpful color suggestions.

Holophane Glass Co., Inc.
340 Madison Ave., Dept. D7
New York City

The Ever Essential Rose

(Continued from page 84)

The Ever Essential Rose (Continued from page 84)

The tea roses for outdoor cultivation have been rather left behind by the development of the hybrid teas, which carry their good characteristics of fragrance and delicate coloration with increased hardiness. The comparatively few good garden varieties, however, contain some of the most sweet scented of all roses, and they bloom continuous- ly. They are lacking in crimson shades just as the H. P.'s are in yellow.

The Friesians, or hybrid Austrian briars, are a much newer type. They have not as yet received the general recognition to which they are entitled, and perhaps for that reason a number of splendid new varieties which have Austraian briar blood are listed as hybrid teas or hybrid perpetuals.

I have mentioned such a rose in the list of varieties given at the end of this article. This race is particularly strong and vigorous in growth. It is safe to predict a great popularity for it in the near future.

The Damask roses are extremely hardy and very sweet scented, although they flower but once during the season. The Moss roses, having a unique moss-like covering on the outside of their buds, are very pretty. The Bourbon, Kiftsgate and China groups also contain several varieties of special merit, some very free flowering and others very hardy.

CLIMBING, HEDGE AND DWARF ROSES

Ramblers: The first of the climbing roses to attract universal attention was the flamboyant crimson rambler, which took like wildfire and quickly became more popular than any other climber ever introduced, although now there are several of superior merit. This group has been added to rapidly within the last few years, and now contains a great variety, both in color and form. A few of these are of the true rambler or cluster type, but more are Wichuraiana hybrids. Many of this group are extremely hardy. There has been an effort lately, to some extent successful, to extend the flowering period of all of this type are good for training against the house, covering pergolas, trellises, arbors, etc.

Climbing Garden Roses: The difference between this new class and the above is that the flowers are of the garden type and suitable for cutting. They are climbing hybrid perpetuals, hybrid teas, and teases, many of which are hardy enough for use where the older southern, or tender, climbing roses could not be utilized. Some of them are more or less ever-blooming. With them it is possible to have roses for cutting pretty much throughout the year, even if one has not room and time for a regular rose garden. Fine new varieties of these being produced rapidly in this class, and every lover of roses should keep an eye on them and try out those which seem most suitable to his or her wants and conditions. Some varieties are not real climbers, but are of what is classed as "pillar" roses, which throw up strong canes reaching a height of from 6' to 10' when supported by a post or upright trellis. They are exceedingly decorative as well as in most cases, for cut flowers.

Hedge Roses: Usually required in a rose garden is hardness. For most of this class the rugged, hardy, height of 6' to 9' and abundant, thick, dark foliage, and admirable perennial throughout the year. They may be used as hedge or accent or for planting in beds. Many of these roses are equally desirable as hybrid teas or hybrid perpetuals. It is a very good and practical group.

The Baby Ramblers and Climbers

The dwarf or "baby" rose is another type grown very much throughout the year, even if one has not room and time for a regular rose garden. The light of Your Personality giving helpful color suggestions.

D. W. Van Fleet is a loaner among the Wichuraiana hybrids. It has rich flesh colored blooms.
Complete Your Home

Your home is not complete unless equipped with the Majestic Building Specialties. They add to its comfort, health and beauty.

The Majestic Coal Chute is a wonderful asset to your home. The careless coal man cannot muss your lawns and walks. The coal dust can't fly through your windows. Every piece of coal goes into the bin. The Majestic Coal Chute acts as a window to your basement, locks on the inside and is burglar proof. Have one in your new home or put one in the house you are living in.

The Majestic Garbage Receiver is a protector of health. It is water tight and proof against flies, dogs, cats and vermin. No odors or health destroying vapors can arise from it. It is absolutely sanitary and safeguards your health.

WILLLOW Furniture that is unusually attractive and original in design.

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is just the deep green slate taken from Vermont quarries, cut and cut to size. That's why it is everlasting roofing. The true coloring, enriching year after year, makes your house beautiful and different.

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makes such a wonderful roofing, and there's so much to tell about it, that we've written a book containing 32 pages of worth-while information. It's free. Full of facts and figures, plans and actual photographs and tests. All roofs are discussed for all houses. The facts are given—you draw your own conclusions.

Then, when you're ready to roof, and questions crop up, the Vermont Slate Manufacturers' Publicity Bureau is at your service. Perhaps it's a question of laying slate over wood. Perhaps freight costs or the amount of slate to order. No matter what it is, we'll give you complete and impartial advice.

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In order to extend the scope and work of the Real Estate Mart in HOUSE & GARDEN, we have decided to add a new department. Every month our readers write in and tell us what they require in real estate, and this department will act as "Central," connecting buyer with seller and so put you in touch with the actual properties as they are listed. If you desire any kind of property just write in to us what you desire and where you desire it. State as fully as possible your wants and we will put you in touch with the party that has the very thing you want.

If they clump all right and the roots are firm and not too much dried and shrunken when received before planting if possible, then it should be planted as late as possible and kept moist but not wet. If aid to a great extent in keeping the number and the quality of the buds and leaves. However it is accomplished the plants suffer. You cannot have good roses in dry soil. As they begin to bloom, they will already have had their extra fertilization, especially that of nitrate of soda or liquid manure. To provide the latter, sink a barrel in some out-of-the-way corner, and stand in this a half to a year. Pot grown roses are used very much less today than they were years ago. They should be set just as soon as the soil can be worked in, usually in March or early April. If received before planting it possible that the roots may be buried in soil, or sand or coal ashes, and put in the cell to keep moist but not wet. If aid to a great extent in keeping the number and the quality of the buds and leaves. However it is accomplished, the plants suffer. You cannot have good roses in dry soil. As they begin to bloom, they will already have had their extra fertilization, especially that of nitrate of soda or liquid manure. To provide the latter, sink a barrel in some out-of-the-way corner, and stand in this a half to a year. Pot grown roses are used very much less today than they were years ago. They should be set just as soon as the soil can be worked in, usually in March or early April. If received before planting it possible that the roots may be buried in soil, or sand or coal ashes, and put in the cell to keep moist but not wet. If aid to a great extent in keeping the number and the quality of the buds and leaves. However it is accomplished, the plants suffer. You cannot have good roses in dry soil. As they begin to bloom, they will already have had their extra fertilization, especially that of nitrate of soda or liquid manure. To provide the latter, sink a barrel in some out-of-the-way corner, and stand in this a half to a year.

MOISTURE AND PRUNING

Roses to do well require an abundance of moisture in the air. When the weather is wet but there is no rain, make sure that the soil is kept moist but not wet. If aid to a great extent in keeping the number and the quality of the buds and leaves. However it is accomplished, the plants suffer. You cannot have good roses in dry soil. As they begin to bloom, they will already have had their extra fertilization, especially that of nitrate of soda or liquid manure. To provide the latter, sink a barrel in some out-of-the-way corner, and stand in this a half to a year. Pot grown roses are used very much less today than they were years ago. They should be set just as soon as the soil can be worked in, usually in March or early April. If received before planting it possible that the roots may be buried in soil, or sand or coal ashes, and put in the cell to keep moist but not wet. If aid to a great extent in keeping the number and the quality of the buds and leaves. However it is accomplished, the plants suffer. You cannot have good roses in dry soil. As they begin to bloom, they will already have had their extra fertilization, especially that of nitrate of soda or liquid manure. To provide the latter, sink a barrel in some out-of-the-way corner, and stand in this a half to a year. Pot grown roses are used very much less today than they were years ago. They should be set just as soon as the soil can be worked in, usually in March or early April. If received before planting it possible that the roots may be buried in soil, or sand or coal ashes, and put in the cell to keep moist but not wet. If aid to a great extent in keeping the number and the quality of the buds and leaves. However it is accomplished, the plants suffer. You cannot have good roses in dry soil. As they begin to bloom, they will already have had their extra fertilization, especially that of nitrate of soda or liquid manure. To provide the latter, sink a barrel in some out-of-the-way corner, and stand in this a half to a year. Pot grown roses are used very much less today than they were years ago. They should be set just as soon as the soil can be worked in, usually in March or early April. If received before planting it possible that the roots may be buried in soil, or sand or coal ashes, and put in the cell to keep moist but not wet. If aid to a great extent in keeping the number and the quality of the buds and leaves. However it is accomplished, the plants suffer. You cannot have good roses in dry soil. As they begin to bloom, they will already have had their extra fertilization, especially that of nitrate of soda or liquid manure. To provide the latter, sink a barrel in some out-of-the-way corner, and stand in this a half to a year.
Now is the Time and Here the Place to Select

Wrought Iron Railing, Entrance Gates, Grill Work, Fountain, Vases, Screen, Wire Fencing, Arbors, Trellises, Tennis Court Enclosures.

OUR properly illustrated book, which will be sent free, shows many beautiful designs and offers timely suggestions for improving the appearance of residence or other property.

A big stock, skilled artists to make up special designs, and a competent erection force enable us to meet any requirements, and make the complete installations if desired.

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400 Bearing Apple Trees
We can move such trees at
now and save you years of time. These trees are five to ten years old and if planted this spring should bear luscious fruit in 1918. They have already borne fruit; we know they are true to name.

Apples, Bartlet, McIntosh, Wapley's Seckel, Big standard trees; here 1 to 2 barrels of fruit in 1918. Trunks 6 to 8 inches in diameter, each, $20. Parking and crates at cost.

Trees 4 and 5 years old, $2 each, for $10.

In small trees we have all good varieties of Apples, Pears, Plums, Cherries, Nuts, and Small Fruits, propagated from true name plates.

Fraser's Tree Book, a useful booklet about fruit trees, written in plain English by a man who knows fruit, tells all about them and will be sent to everyone interested in trees for the garden. Send your address.

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An Ideal Summer Home

THIS beautiful little Colonial House will make an ideal home for you this summer. It has been selected by our customers as the one house of all we make, best suited to the needs of a family desirous of escaping from the dust and heat of the city. Modern business methods applied to home building have created

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All the bother of construction taken off your shoulders, you benefit by our methods of buying and manufacturing. Why pay the high labor costs of today, buy the finished product and live this summer of today, buy the finished product and live this summer. Eleven Hundred Dollars.

Send 12 cents today for complete catalog showing Bossett details of construction and other houses. We also manufacture the smaller "portable" or "knock down" houses.

LOUIS BOSSERT & SONS, INC.
1306 Grand Street, Brooklyn, N. Y.

picture, mirror or other wall decoration of considerable size. In such a case the piece of "wall furniture" be

The Ever Essential Rose

(Continued from page 88)

An Ideal Summer Home

The Group in Furniture Arrangement

(Continued from page 35)

sent up again any number of times.

gested, is extremely important. Having done that, obtain a good compressed air sprayer, or if your garden is a large one, a portable or wheelbarrow type sprayer. As soon as the rose bushes have leaves out in the spring, or as soon as you have planted them, begin spraying with the following combinations: Bordeaux mixture plus arsenic of lead, plus nicotine sulphate. This is a general purpose spray; the Bordeaux-lead mixture is diluted according to directions and one teaspoonful of the nicotine sulphate (40%) added to two gallons of the spray.

This spray should be repeated enough to keep new growth covered through the growing season, and especially when trouble is to be expected. Bordeaux mixture protects the new growth, but is not equal to arsenic of lead in destroying earwigs and other insects of all kinds, and the nicotine takes care of the rose "suckers." If black spot, or mildew, appears in spite of the Bordeaux mixture, use potassium sulphide, one ounce to two gallons of water. The pernicious rose leaf hopper will be destroyed by the only sure and effective hand picking early in the season. Water with a small stick or paddle, one can get under the leaves and pick them off, for a very short time. For rose scale, or aphids near or on the leaves, use a little slope discoloration of the cane will be caused by arsenic of lead or other insecticide objectionable. With monomical copper carbonate or green may be substituted. A gum or oil emulsion in spite of this protection should be kept from spreading. "Root rot," "brier scale," and "black spot" are enemies in spite of this protection. House should be kept from spreading. "Root rot," "brier scale," and "black spot" are enemies in spite of this protection.

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Northern grown, tested strains of highest germination and vigorous growth. Results meet your fondest expectations and more some. Special Get-Acquainted Offer! 10 Big Packages, 25e

Beets, Cabbage, Carrot, Cauliflower, Cucumber, (Pro- brite packed), Lettuce, Melon, Onion, Radish, Tomato. All 10 and our big new 16-page catalog and a poster of Salzer's 1917 Specialty Madison Asters. Only 25c. Send today and we'll include FREE our coupon good for life on future orders, 40-yr experience back of every sale. Don't miss this grand opportunity. Write today.

America's Headquarters For Field Seeds

49th Year

JOHN A. SALZER SEED CO. Box 600 LACROSSE, WIS.
“He Can’t Gnaw Thru”

Kno-Burn

It’s a discouraged rat that finds the fine, impervious mesh of “Kno-Burn” barring his further progress—no choice for him but to move to a house of poorer wall construction.

Rat proof and rot proof—a barrier to fire—a fabric that absolutely prevents the unsightly cracks that you’ve come to associate with plaster and stucco—these are a part of the many qualifications that have established “Kno-Burn” Expanded Metal as the standard wall base.

The cost of a house lathed with “Kno-Burn” is so little more than that of houses lathed with the cheapest type of wall base that it is not an item to anyone who is building for permanence or re-sale value.

Send for booklet 372. It gives full details and interesting cost figures.

North Western Expanded Metal Company
937 Old Colony Bldg. Chicago

A Skinner System of Irrigation

The Skinner System of Irrigation gets through the soil food to build up lost fertility. Use it—see the big difference in all your plants. Call for Wizard Brand Manure by name today or write for descriptive booklet. Prepared only by

The Pulverized Manure Co.
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A Work Saving Result
Insuring Sprinkling System for your Garden

Don’t let all the painstaking work that you’re going to put into that garden of yours this spring, all the seeding, hoeing and back-breaking—go for naught. Protect it against the dry weather days that come along and shrivel up your flowers and vegetables.

A Skinner System Sprinkling Line is your sure insurance against such a happening.

No trouble. No bother. Just turn the water on and it does the rest. Thermally and uniform pressure watered with a fine mist-like spray. Does not cut the soil nor interfere with the young plants. Easy to control. Only a few minutes attention waters your plants and cuts your work in half.

Fifty-foot line, fully centered, costs $12.25. Watertight square feet. For larger lines, add 25 cents a foot extra.

For $14 we can outfit each house with an Automatic Turning Device, which will move the spray from one side to the other, and then shut off the water and do its work efficiently, economically and without waste.

Time of watering is indicate, and then it's a discouraged rat that finds the fine, impervious mesh of “Kno-Burn” barring his further progress—no choice for him but to move to a house of poorer wall construction.

Rat proof and rot proof—a barrier to fire—a fabric that absolutely prevents the unsightly cracks that you’ve come to associate with plaster and stucco—these are a part of the many qualifications that have established “Kno-Burn” Expanded Metal as the standard wall base.

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The Skinner System of Irrigation gets through the soil food to build up lost fertility. Use it—see the big difference in all your plants. Call for Wizard Brand Manure by name today or write for descriptive booklet. Prepared only by

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THIS HANDY
GARDEN BASKET
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A most practical addition to Milady’s belongings, containing spade, trowel, and all necessary implements.

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The best kind of a gift for the woman who loves her garden.

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Garden Furniture and Garden Ornaments
Beauty and Distinction.

Send for Catalog of Many Designs.

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is one of the most important features of your home equipment. If it doesn’t do its work efficiently, economically, it becomes a costly luxury.

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during half a century, under most exacting conditions—in the kitchens of the foremost hotels, on mansions over city houses—have demonstrated their absolute reliability, low maintenance cost and superior construction.

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Objects of Art, Period Furniture, Rare Old Crystals and Sheffield Plates

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Mr. B. Russell Herts desires to announce his readiness to prepare for clients, studies in the Gothic, the Renaissance, the English and French periods, and the Modern Style from the modern standpoint, which aims to make these designs unique expressions of the personalities of those who are to use them.

This can be done in garden chairs and tables, pillows, porch lamps and shades as well as in complete interiors.

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After many centuries of dignified and unchallenged supremacy, OAK, "The Pride of the Permanent Home," remains today the world's premier hardwood. (And everybody knows it.) OAK is the first hardwood you naturally think of, and the last for which you will ever relinquish your inherited preference. It is "a natural heirloom wood."

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know the whys and hows of Oak. Ask them any sort of questions. Please address
Room 1414, 14 Main Street. Memphis, Tenn.

What Is Modern Decoration?
(Continued from page 20)

red or bright green in itself, if the thought behind its use is big enough to carry it. The trouble with our very good Victorians was that they didn't believe in thinking. When they wanted to be clever, they turned a Corinthian column upside down and stuck it in front of a brown stone house, or slapped a few red pillows on a green sofa and let it go at that.

Mr. Chamberlin Dodds is another whom I should include among the moderns, although he will probably subpoena me for doing so, because although he employs the historic styles extensively, he does so with a humorous personal twist, and with such resplendent color as to signalize him as one of the most brilliant of the younger set.

Mr. Paul Frankl, an architect from Germany, is strictly imbued with the continuance of the secession, but his designs are, in a measure personal, and must therefore become more and more impressed with the growing American spirit.

In a certain sense the interior work of Mr. André Hellman, and especially the idea behind his work, is typical of a rather large group of more or less moderns.

An entrance hall with black and gold painted columns, iron gates, and velvet curtains.

Chamberlin Dodds, Decorator.

Can bathrooms be made interesting? Certainly, if they have black and gold borders and basins.

What Is Modern Decoration?
(Continued on page 9)

Paul Frankl, Decorator.

Can bathrooms be made interesting? Certainly, if they have black and gold borders and basins.

What Is Modern Decoration?
(Continued on page 9)

Herts, Decorator.

The other end of the den on page 20. Woodwork is black, walls dull orange and curtains of figured linen.
This mixture of gigantic, orchid-flowering sweet peas contains the finest Spencer varieties in all shades from purest white to darkest crimson.

This is our 1917 special offer. We will send the quarter pound of Sweet Peas postpaid to any place in the United States or Canada, together with a copy of our New Garden Guide containing full cultural directions. This guide also describes and illustrates the best in flowers and vegetables, and gives many helpful suggestions for successful gardening. April sowing insure success with Sweet Peas. Mail your order today.

Arthur T.oddington Co., Inc.,
Seedsman
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54.00

This Self-Watering Plant Basket

—will insure your success with flowers and foms this spring. Covered with hand-woven wicker. It is one of the ILLINOIS Plant Baskets that are exhibited at the International Flower Show every Spring. Requires no care; simply fill easily detached container once a week and the water is drawn to the soil in the correct quantity thru a sponge. You do not have to take basket down to water plants. No dripping to injure draperies or floors. Measures 10 inches across top. Filled with strong chains. Price $6 delivered.

Send for our interesting booklet showing self-watering plant stands, window boxes and hanging baskets.

MILLER & DOING
62 York Street
Brooklyn N. Y.

JAPANESE IRIS IN THEIR NATIVE HOME

In the lower picture Japanese Irises are shown equally at home in my field at Wyomissing. The Rev. Dr. Rice, who came here to see them after having spent many years in Japan, expressed his surprise at the luxuriant growth and abundant bloom. In your garden they will thrive as well with only ordinary care. Spring is an ideal time to plant, as they will bloom the first season.

Farr's Hardy Plant Specialties

Introduces the rare varieties collected from the old Palace and Temple Gardens in Japan—parents of many new seedlings that I have raised here at Wyomissing, and which I am now offering for the first time. The completeness of the Japanese trio section: Pooneis in over 30 varieties; Delphiniums, Hardy Phloxes, House and Rock plants; Lenten's Lilacs, Philadelphus, and Denstas, are all notable features in this book of 112 pages of text and 30 full-page illustrations (12 in color). If you are a lover of these things I shall be glad to mail you a copy free on request.

BERTRAND H. FARR—Wyomissing Nurseries Co.
108 Garfield Avenue
Wyomissing, Penna.

1. Planet Jr., Cultivator and Plow pays for itself In garden Implements

Let Jr. Seeders and cover three Unics the acre-


operation among the manufacturers and between the


good words brought the satisfaction of a thing well done.

1. Cheese plants

2. Greenhouse plants

4. Peonies;

3. Japanese Irises

5. Daffodils

This equipment was used in the House & Garden booth at the Flower Show. There, we extended the same hospitality and the same helpful service to our many visitors.

A N opportunity to see and to appreciate the very best in building was the feature of the National Building Exposition.

A better understanding and more friendly, helpful cooperation among the manufacturers and between the manufacturers and consumers, will be the result of such exhibitions. Each year they will grow in popularity and strength, justified as they are through their helpfulness. Because of this House & Garden pledges its unqualified good words brought the satisfaction of a thing well done.

We are glad to pass on these compliments to those who supplied us with the equipment for this booth.

New York Galleries - furniture
Kent-Costikyan - rugs
Richard E. Thibaut - wallpaper
KENT-COSTIHYAN - Kent-Costikyan - RuRs

This Self-Watering Plant Basket

—will insure your success with flowers and foms this spring. Covered with hand-woven wicker. It is one of the ILLINOIS Plant Baskets that are exhibited at the International Flower Show every Spring. Requires no care; simply fill easily detached container once a week and the water is drawn to the soil in the correct quantity thru a sponge. You do not have to take basket down to water plants. No dripping to injure draperies or floors. Measures 10 inches across top. Filled with strong chains. Price $6 delivered.

Send for our interesting booklet showing self-watering plant stands, window boxes and hanging baskets.

MILLER & DOING
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This Book On Home Beautifying Sent Free

Contains practical suggestions on how to make your home attractive, cheery and inviting. Explains how you can lighten and economically keep the windows, piano and furniture in perfect condition.

Building?

This book will tell you of newest, most attractive color combinations for interior decoration. It gives complete specifications for fine finished interior wood work so they are as beautiful as expensive hardwoods. We will send you this book free and postpaid.

S. C. JOHNSON & SON, Dept. B, Racine, Wis.

"The Wood Finishing Authorities"
American decorators. This number includes an array of young men here and there about the country, and especially a still larger number of young women, some of them pupils of Mr. Heflin himself, who have grown to care very little for period interiors, and whose study of the antique has given place to a keener interest in the finish of the home room, in harmonious, and sometimes novel color combinations. They do not, from a standpoint, attempt wholly creative production; they do not design any furniture, but they employ reproductions of historic furniture, with distributions of color for which the finish is often no historic foundation or precedent.

Members of this school contend that we have abandoned the ranks of the conscientious craftsman, and are therefore others, to be incapable of creating new forms. Undoubtedly there were thousands of our forebears at the time of Chippendale and such earlier great period. They are right to this extent: that we have not as yet produced the finished beauty of the finestAdam interiors, nor the marvelous excellence of design attained by the master who worked for Louis XVI. But our critics must not forget that we are laboring and living in a bourgeois environment, that we are working in the main for middle class people with limited funds and limited leisure, and that only a very small percentage of our clientele has been awakened to even the slightest interest in artistic creations. We have not as yet been able to stimulate any widespread desire to have us go further into the uncharted domain of the new art. If we do insist upon experimenting, it is at our peril, and many of us believe they are somewhat fearsome radicals, even though they have abandoned the ranks of the conscientious craftsmen, and set down to a believable themselves, and therefore others, to be incapable of creating new forms.

The Windsor $35.

The new art is like the new life, buoyant, still too superficial, extravagant, and enchanted, quick and confident. Our nation, which has mastered the art of making disposable things and of disposing of them, has mastered the art of throwing everything away, and therefore others, to be incapable of creating new forms. Undoubtedly there were thousands of our forebears at the time of Chippendale and such earlier great period. They are right to this extent: that we have not as yet produced the finished beauty of the finest Adam interiors, nor the marvelous excellence of design attained by the master who worked for Louis XVI. But our critics must not forget that we are laboring and living in a bourgeois environment, that we are working in the main for middle class people with limited funds and limited leisure, and that only a very small percentage of our clientele has been awakened to even the slightest interest in artistic creations. We have not as yet been able to stimulate any widespread desire to have us go further into the uncharted domain of the new art. If we do insist upon experimenting, it is at our peril, and many of us believe they are somewhat fearsome radicals, even though they have abandoned the ranks of the conscientious craftsmen, and set down to a believable themselves, and therefore others, to be incapable of creating new forms.

EMIL CALMAN & CO.

Decay and Art

We, on the other hand, are up a new set of multi-millionaires, which threaten to increase our population so exuberantly as long as the war lasts. The new access of wealth must inevitably bring into it increased demands for variety and novelty, new stimuli and new excesses. We may perhaps be a little at a loss for balance, undreamt of under Roman Empire; and our effort to encourage artists to bankruptcy, and they are undergoing such a period. We will call with little tolerance, and very great extravagance cloak our name of Art.

Decay and Art

The future's promise

Thus far our accomplishments in decoration have been in part negative, and in part crude, tentative experiments. We have made little enough facility for original pressure; there has been but little encouragement, except in the past two or three years, after a couple of years, and then more uncertainly in the designing of interiors for the stage. Artists, perceiving in decor the most untouched and helpless of all the arts, that the stage was not productive of decay, are the basis for the artistic achievement.
NOW is Ideal Time

Plan now for a beautiful lawn this summer. Investigate the Ideal now, so that you can have it ready for the first spring cutting.

The Ideal Power Lawn Mower meets every turf trimming requirement—insures a consistently beautiful sward. Eliminates the nuisance of a horse-drawn contrivance on your lawn, or the expense of a squad of hand-propelled machines. Easy to operate and easy to care for—nuisance possible double the usual lawn attention, with less labor and more economy. Write us for full particulars—not, while making your plans for a beautiful lawn.

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Solutions for Effective Planting is not the usual mechanical, dull nursery catalog. To this is like going around your garden with an experienced gardener, discussing in a friendly way what the place needs. Please for your copy as soon as possible.

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SEEDLING GROWTH

It's Double Acting

The Same Spray

With Half the Labor

Double-action feature makes a large savings comparative. Any variety of spray, too, is made possible closer at hand. A 50 ft. hand sprayer requires 150 lbs. per acre. This sprayer requires 25 lbs. per acre, less than half the labor and supplies. This means more time in the garden and thoroughly service money with the solution.

The All-Purpose Sprayer for flowers, shrubs, plants, fruit trees, vegetable patches, lawns, etc., with mist or jet spray. Also makes a fine emergency garden hose. Handy for family use. Economical. Just what you need for that garden. Complete with half turn knob. We shall be pleased to forward our sprayer catalog and price list, without obligation.

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see and enjoy the antique, colored, and wrought iron garden furniture, Ladder-back, Evergreen, etc., at the American Nursery & Garden Exposition, 1st. to 21st. May, 1917, New England Botanic Garden, Jamaica Plains, Mass., and other points in the Garden City. All sizes and prices. Lists with descriptions.

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most complete stock of hardy plants in America. Illustrated catalog of hardy perennials, shrubs, trees and bulbs sent free on request.

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COMMERCIAL HUMUS

If you use HUMUS try the Ideal Natural Humus——a source of pure and in an active state of decomposition. The BUMUS that is different and always reliable.

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500 Fireman's Building, NEWARK, N. J. Remember the name—Commercial Humus

THE AMERICAN NAUHEIM—

the Only Place in America Where the Nauheim Baths, So Beneficial to Heart Disorders, are Given, with a Natural Calcium Chloride Brine.

One of the most beautiful and complete Health Resorts in the country, possessing everything for the scientific promotion of rest and recuperation after a hard season of social or business activity.

THE BATHS

are directly connected with the Hotel. Treatments under the direction of physicians are particularly adapted to HEART DISEASE. Circulatory, Kidney, Nervous, and Nervous Disorders, Rheumatism, Gout and Goutiness.

Ideally perfected conditions for taking "The Cure" during the Spring and Summer months. Easily reached by train from any direction over a thousand miles of improved roads. Ask for our illustrated booklet containing full particulars regarding rates, reservations, etc.

THE GEO. W. CLARK CO.

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BE PREPARED

To save your lawn and garden from burning up under the hot summer sun. You can be prepared for a beautiful lawn because this sprinkler waters a rectangular area it is especially desirable for watering el core the edges of sidewalks, driveways, and such places where any circular sprinkler would be wholly unsuitable.

Write for free sprayer Booklet.

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This New Range  
Is A Wonder For Cooking

Although it is less than four feet long it can do every kind of cooking for any ordinary family by gas in warm weather, or by coal or wood when the kitchen needs heating.

There is absolutely no danger in this combination, as the gas section is entirely separate from the coal section as if placed in another part of the kitchen.

Gold Medal

Glenwood

Two Gold Medals—Highest Award at San Francisco Exhibition, 1915.

Note the two gas ovens above—one for baking, glass paneled and one for broiling, with white enameled doors.

The large oven below has the Glenwood Patent Oven Indicator, and is heated by coal or wood.

See the cooking surface when you want to rush things—five burners for gas and four covers for coal.

The entire range is always available as both coal and gas ovens can be operated at the same time, using one for meats and the other for pastry.

"Makes Cooking Easy"

Write for handsomely free booklet 113 that tells all about it.

Weir Stove Co., Taunton, Mass.

Makers of the Celebrated Glenwood Cast, Wrought, Glass Ranges, Blasting Stoves and Furnace.


Catalogue and Booklet on assortment of vines, shrubs, small family for $1.00.

We also have other and elaborate assortments which are shown on pages 11 to 20 of our Catalogue.

Write for a copy to-day.

T. J. T. & Co.

31 East 48th St., New York, N. Y.

The Garden Gallery

31 East 48th St., New York


Do you know what silhouette you must adopt this Spring—whether straight or barreled?
In what material you are to be clad—whether jersey cloth or organdy or old-time foulard?
And, most important of all, what color you are to wear—whether beige or blue—gay or somber. Consult the
Spring and Summer Fashion Numbers of Vogue

Would you be smart—attractive—individual—in your gowning this season? It’s quite simple. Take the first two dollars of your Spring and Summer dress allowance and invest it in the ten great Spring and Summer Fashion numbers of Vogue. Insure yourself against a wrong start. Begin with the number that finally determines the accepted mode of Spring, the

PARIS OPENINGS NUMBER

(now ready)

In the next few months, during the very period when the Spring and Summer Fashion Numbers appear, you will be spending hundreds of dollars on the suits, hats, sports clothes, and accessories that you select.

How many times has Vogue reminded you that the gown you buy and never wear is the really expensive gown? That hats, boots, gloves which miss being exactly what you want are the ones you cannot afford? Ask any reader of Vogue and she will tell you that $2 invested now in Vogue will save you $200 in your Spring gowning.

10 Numbers of Vogue for $2

Paris Openings

April 1

The complete story of the Paris Openings establishing the mode.

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June 15

Society taken to sports and life in the open.

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July 1

The correct wardrobe for all outdoor sports.

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The newest ideas in mid-summer entertainments.

London and Paris Fashions

August 1

What is going on in the beau monde abroad.

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August 15

Outfits for the infant and for the school boy and girl.

$2 Invested in Vogue

A tiny fraction of your loss on a single ill-chosen hat or gown Will Save You $200

Consider, then, that by the simple act of mailing the coupon below and forwarding $2 (a tiny fraction of your loss on a single ill-chosen hat or gown) you assure the correctness and economy of your wardrobe not only for the remainder of the Spring but throughout the entire Summer season.

Introductory Offer Coupon—VOUGE, 443 Fourth Ave., New York City

Please send me, at your special introductory rate of $2, the next 10 numbers of Vogue, beginning with the Paris Openings Number. I enclose my cheque (money order or cash) for $2. (Canadian $2.50; foreign $3.50.)

Name.

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PREVENT THIS

Such splitting and rotting will always occur in wood columns.

UNION METAL COLUMNS

"The Ones That Last a Lifetime"

will absolutely prevent these troubles and will last as long as the house itself.

The shafts are heavy, galvanized open hearth steel, protected inside and out by special non-peeling paint.

Ask for Booklet 74.

The Union Metal Mfg. Co.

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LANDSCAPE ENGINEERING

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City homes, Country homes, Estates, Farms

GLEN BROTHERS

Glenwood Nurseries, Est. 1866

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SUNDIALS

real bronze Colonial sundials from $2.50 up; also British, Granitic, Papier Mache sundials and other garden

ornaments. L. F. JONES CO., 71 Portland St., Boston, Mass. Illustrated catalogues sent upon request.
Furniture of Livable Character

However modest or pretentious, our dwelling has its chief charm rests, after all, upon the manner of its furnishment.

Quite apparent then, is the wisdom of choosing those appointments which fuse with a truly livable atmosphere the formal as well as informal rooms, whilst contributing no meagre measure of decorative distinction.

In this interesting establishment, for two-score years devoted exclusively to Furniture, there exists an opportunity to make such a selection—without the distraction of irrelevant objects, without the objection of prohibitive cost.

Its diversified exhibits encompass Furniture of every notable epoch and include many unusual occasional pieces not elsewhere retaliated.

Suggestions may be gained from the house prints of well-appointed interiors, sent gratis upon request.

New York Galleries
Grand Rapids Furniture Company
INCORPORATED
34-36 West 32d St., New York

Planting Things to Grow and Live

(Continued from page 96)

It is difficult to give a rule for the amount of seeds to sow in small quantity. Small seeds sown in rows, such as carrots, turnips, onions, radish and lettuce, should be sown in a continuous row, six to twelve seeds to the inch; this is, of course, much thicker than they will be wanted but some will not sprout, and in order to make sure of a full stand, the gardener must expect to do some thinning. Larger seeds, such as beets, saffron and yellow mustard, may be sown about half that thick, and peas and beans 1" to 2" apart. Corn, pole beans, melons and similar things planted in hills are sown five to a dozen or more seeds to the hill, and thinned to two or four of the best plants. Seeds are cheap, so there is no excuse for planting too thinly; but there is still less excuse for doing what is so often done—a sowing in open space all the seeds there may be in the package or envelope.

Another essential thing is to have the seed in firm contact with the soil. Seeds planted by means of a drill, as is ample for each hill. This less, if one is available, are firm down by the roller following the coverer; peas, beans, and similar seeds which are frequently planted by hand, should, unless the soil is very moist, be gently firm down into it before the seed is sown. The same is true of small seeds, which are planted by hand, and the row firm down on top sufficiently to keep them moist while they are coming up.

A final small but important matter is to tag each thing, to make a marker giving the date and variety planted, in the same place, for each thing as soon as it is planted. You will want to know these things before the season is over, and you want to know where the seed comes up well or poorly.

Transplanting

What has been said about preparing the soil applies to planting and transplanting as well as to seed sowing. Here, the same should be true, even if there is no seed in hand. The soil should be made compact, and thoroughly worked in, as well as the roots are made, this dry soil will crumble down into it and be that which will come into direct contact with the roots when the plant is set. This, of course, just the condition you want to have the soil as the seed comes up well or poorly.

It is a very frequent practice to use manure or fertilizer in the "hill" or directly under each plant set. Where this is done, care should be taken to mix it thoroughly with the soil, preparing the hills or holes in advance, otherwise, there is great danger of injuring the roots, particularly with chemical fertilizers. A mixture of fine ground bone and tankage or dried blood in equal proportions is both better and safer to use than ordinary mixed fertilizers. A small amount, about the equivalent of a table spoonful, is sufficient for each plant. This will give it a quick, strong start, but should not be relied upon to carry it through to maturity, the manure and fertilizer applied before being relied upon for that.

The plants, as well as the soil, should be carefully prepared. The soil should be moist enough so that it will not crumble away from the roots when they are removed from the flats or pots. In most cases, particularly as warmer weather comes on, it is well to cut back about half of the largest of the leaves. Be careful not to leave the plants exposed, even for a short time, to the winds or bright sunshine, as the roots will be injured very quickly. Except in very dry weather or in exceptionally light soil, water in the hole will not be required, but if it is put in before planting, or part in the bottom of the hole and part when it has been half filled. The soil should be firm on the surface after planting as is often done.

Firming in

A point in setting plants which causes failures is that they are not sufficiently "firmed" into the soil. Very small plants may be pressed into the fine soil each time with the fingers but, in setting bedded plants, all shrubs, and vegetables such as cabbage and lettuce, it is best to make assurance doubly sure by pressing down the soil on either side of the plant until the entire foot of the feet, unless the soil is very wet.

Bulbing plants from pots can be set in the soil as you will find, transplanted from the pot to the ground. The trouble is to get them into the soil. The way to do this is to set them well down below the surface; but if the surface is dry may have become broken or injured when the hole is made, this dry soil will hard wood. Such plants are often planted quite deep, so firm, and then they should be cut back clean to firm, directly under each plant set. Where during the process of filling up the space around each, Any roots which have become broken or injured are cut back clean to firm. Where during the process of filling up the space, leave the plants exposed, even for a short time, to the winds or bright sunshine, as the roots will be injured very quickly.

The surprising range of the Gladiolus' colorings, and the wonderful markings found in its long graceful leaves, gives the gladiolus a high place in the favorite garden flowers. And requiring no nursing, they will yield a good show of bloom from June to frost, if planted at intervals of about two weeks.

My American grown Gladiolus bulbs are full sized solid fellows, developed and healthy. I guarantee them to be true to name and variety, and bloom promptly. My Rose and Gladiolus Catalog will make it easy to make your selection.

To convince you of the surpassing quality of my offerings, I send a box of 25 choice, select bulbs, of fine named varieties, where in the United States for $1.50.

Rose

Out-of-the-Ordinary

With the sturdy Artesian, grand grows the famous and distinctive Gladiolus, the perfect flower for all summer long. Every plant thrives, sending up firm roots that insure its hardiness. Every Gladiolus is developed and grown under natural conditions and thoroughly cleansed by stone and fresh water. I guarantee them free blooming anddelta flowers, grown in the most favorable climate and under any special attention or cultivation. They are of a quality which will grow to be the handsomest flowers of bloom in all the garden. My Rose and Gladiolus Catalog will make it easy to make your selection.

To convince you of the surpassing quality of my offerings, I send a box of 25 choice, select bulbs, of fine named varieties, where in the United States for $1.50.

Gladioli

The surprising range of the Gladiolus colorings, and the wonderful markings found in its long graceful leaves, gives the gladiolus a high place in the favorite garden flowers. And requiring no nursing, they will yield a good show of bloom from June to frost, if planted at intervals of about two weeks.

My American grown Gladiolus bulbs are full sized solid fellows, developed and healthy. I guarantee them to be true to name and variety, and bloom promptly. My Rose and Gladiolus Catalog will make it easy to make your selection.

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Gardens

Roses and Bulbs

176 Broadway, Paterson, N. J.

Beautiful Andirons

Gas Logs Basket Grates
Selection of the Finest Iron Tools Hot Coals

ASK FOR CATALOG "D"

WE PREPARE FREIGHT

Select from our unlimited assortment of firewood, charcoal, smoldering embers, and coal to meet the needs of the most exacting customer. A great variety of kilns and kiln-dried woods, and a large assortment of oil, solid fuel, and coal stoves, are in the house.

ASK OUR BANK, DIX or BURWOOD

SUNDERLAND BROS. CO., LIVINGSTON

334 So. 17th St., Omaha, Nebras. .

Cemetery Plants

GALLOWAY BROS.

LANDSCAPE ARCHITECTS

WATERLOO, IOWA

P. F. SCHEIBE—MANAGER

and EUROPEAN I

CITY, PARK CEMETERY

HOUS, GARDEN

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234 So. 17th St., Omaha, Nebras. .

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GARDEN PLANTS

CHOOSE ANY

Finest old rooted stock, single and double flowering. All kinds and colors. A complete line of these and many other kinds. combine to make a splendid display. All cuttings made from the best stock. Order now and you will have a fine display of flowers well in advance of the season. A line of choice shrubs and roses, as well as the finest seed stock and cuttings are always on hand. We ship 24 hours after the order is received.

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