To owners of homes, new or old, who are interested in improving their warmth and reducing their fuel bills at least one-third, we offer a finely illustrated book about the IDEAL TYPE A HEAT MACHINE. It will be mailed on receipt of your request at either address below.

“ALMOST HUMAN”—says Mr. Goodall

Edwin Goodall of Hackensack, N.J., took out his old-fashioned wasteful heating plant and installed an IDEAL TYPE A Boiler.

"I am told you call it a 'Heat Machine'," he writes. "I call it almost human; its appetite is exceedingly considerate of my pocket-book."

Without any reflection on the human race, we beg leave to point out one respect in which the IDEAL TYPE A is more than human.

The human aristocrat frequently proves to be an expensive guest. The IDEAL TYPE A HEAT MACHINE—an aristocrat in every other detail—not only does better work than a plebeian boiler but does it at a very much smaller cost.

Thousands of owners have found, like Mr. Goodall, that it pays for itself in the fuel it saves.

AMERICAN RADIATOR COMPANY
Ideal Boilers and American Radiators for every heating need

104 West 42nd Street, Dept. 29
NEW YORK

816 So. Michigan Ave., Dept. 29
CHICAGO
Homes that Owners are Always Proud of

Stucco has always been recognized as the most beautiful finish for a home. There is a charm about it that is not found in any other material.

**BISHOPRIC STUCCO OVER BISHOPRIC BASE**

- Finished in many beautiful combinations of color—Alba White, Shell Pink, Sienna Buff, Ivoril Cream, Granistone Gray, French Gray, or any special color one may desire.
- BISHOPRIC STUCCO blends with shrubbery and woodland; it gives to the house a richness and dignity that makes for lasting pride of possession.
- The economic worth of BISHOPRIC STUCCO over BISHOPRIC BASE possessing unusual insulating qualities cannot be overestimated.
- Its density and water-proof qualities, with enormous tensile strength, endurance and artistic merit are written indelibly upon walls inside and outside of homes built of BISHOPRIC.

We have "Bishopric For All Time and Clime", a booklet for you containing facts and figures, and illustrated with photographs of beautiful homes built with BISHOPRIC. Write for it.

**THE BISHOPRIC MFG. CO.**

624 Este Avenue, Cincinnati, Ohio.

N. Y. City Office: 2848 Grand Central Ter.

Factories
- Cincinnati, O.
- Ottawa, Canada.
THE inevitable sense of security instinctively felt when you are protected by YALE-marked locks is based upon very much more than mere outward appearance. You know that a Yale lock is worthy of confidence because it is marked YALE; and no lock so marked has ever broken faith.

Many other locks look like Yale; they closely resemble Yale locks so far as you can see—except for the name.

Back of that name, plainly marked on every Yale-made product, is mechanical excellence and careful workmanship to the smallest screw or lever. That alone gives the certainty of assured protection and continuous satisfying service.

And the distinction of Yale hardware does not stop with security. You will find artistic expression as well, in the exquisite designs of wrought brass or bronze to enhance the beauty of every home.

Yale hardware expresses taste and individuality. YALE guarantees security. See that your home is so protected. Yale products are sold by hardware dealers everywhere.

The Yale & Towne Manufacturing Co.
Stamford, Conn., U. S. A. Canadian works at St. Catharines, Ont.

YALE MADE IS YALE MARKED

Padlocks, Night Latches, Dead Locks, Builders' Locks and Trim, Cabinet Locks, Trunk Locks, Automobile Locks, Bank Locks, Prison Locks, Door Closers, Electric Industrial Trucks, Chain Blocks, Electric Hoists, Trolleys
Studebaker has gone far beyond current practice to make the Big-Six Five-Passenger Coupe a motoring feature of the year.

The interest which it has attracted at the shows indicates it will be one of the most popular fine car models.

There is no compromise in its appearance or construction. Studebaker has incorporated every important improvement known to quality manufacture to make this Coupe as fine a five-passenger car as is purchasable.

Lines are long and low; windows exceptionally wide; cushions deep and soft. Upholstery is in rich brown velour, with carpeting to match.

The full width rear seat accommodates three adults. The auxiliary seat beside the driver is in reality a cushioned arm chair and will be found restful even for long-distance travel.

The equipment of this luxurious car is as exceptional as its appearance and performance. Extra disc wheel and tire, commodious trunk, walnut all-wood steering wheel with new type spark and throttle control — these are among many unusual features.

The quality is high — better materials, design and workmanship than Studebaker employs are not obtainable.

Reliability and long life are assured — 50,000 Big-Six owners testify to the faithfulness and stamina of the Big-Six chassis.

The character of its products, maintained for 71 years, has made Studebaker the world's largest manufacturer of six-cylinder cars.

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**1923 MODELS AND PRICES**

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The Studebaker Corporation of America, South Bend, Indiana

**This is a Studebaker Year**
Things You Should Know About Your Contractor

ONE important thing every home-builder should realize is that his house will be good or cheap, depending on his attitude in selecting his contractor.

Here in a nutshell is the important consideration in choosing your contractor—of far greater consequence than mere comparison of bids. Does he use sound construction methods? Or does he vary the quality of materials and workmanship to fit the price he feels he must set to get the job? If he is of the latter type, you will get no more than you pay for—perhaps less.

You will find that there is a type of contractor, who at the risk of losing out, always figures on a first-class job. He may not be the highest bidder, nor is he ordinarily the lowest. But he will give you a house, every inch of it sound, weatherproof, and free from annoyances and constant repairs—a house with a low rate of depreciation and a high resale value. Comfortable and satisfactory as long as you live in it.

This kind of contractor has your interests at heart. In the long run he is the cheapest and most satisfactory. That is why we say, go to a legitimate contractor. Why we have published “The High Cost of Cheap Construction” referred to on this page.

YOU will find this high type of contractor more and more demanding lumber of the Weyerhaeuser standard of quality, trade-marked with the manufacturer’s pledge of personal responsibility.

You will find too, that the dealer from whom he buys his lumber knows the value of thoroughly manufactured and properly dried lumber; and that he carries in his stock Weyerhaeuser lumber of the kinds and grades that meet building requirements in your locality most economically.

Weyerhaeuser Forest Products are distributed through the established trade channels (to contractors and home-builders through the retail lumber yards) by the Weyerhaeuser Sales Company, Spokane, Washington, with branch offices and representatives throughout the country.
Give More Consideration to the Exterior of Your Home

Heretofore when the element of economy governed a home builder’s plans, often the expenditure for the exterior construction was limited. The result was that on occasion when the owner wished to sell, in order to increase the marketable value of the home he found it necessary to spend large sums of money in rehabilitating the exterior.

Today the judicious builder realizes that by using Indiana Limestone for the exterior of his home, he is investing in a material that has real permanent value. And the difference in first cost over less desirable forms of construction is surprisingly small, when the stone is used in simple and straightforward manner, without elaborate detail. The beauty is obtained from the material itself.

A folder descriptive of the house illustrated above, showing floor plans, will be sent free upon request.
Address Indiana Limestone Quarrymen’s Association,
Box 782, Bedford, Indiana

INDIANA LIMESTONE
The Nation’s Building Stone
Mrs. Frank A. Vanderlip
Selects Filet Grandee for Her Home
At Scarborough-on-the-Hudson

A FRENCH door presents an interesting drapery problem. To curtain it so that it takes its place in the decorative scheme of the room without interfering with its effectiveness as a door is difficult.

Mrs. Frank A. Vanderlip has found a happy solution in the use of Filet Grandee. You will notice how well this curtain of rich Italian design fits in with this stately room, at the same time permitting an uninterrupted view of the lovely grounds outside.

Booklets That Will Help You
Booklets "Concerning Window Draperies" and "Twelve New Ideas for Decoration" will be sent free if you mention the name of the best retailer handling window draperies in your city or shopping center. Otherwise, enclose 10 cents in stamps.

QUAKER LACE COMPANY
HEARTY hospitality, bringing memories of good cheer, comfort and warm welcome, is conveyed by the expression, “home”.

For home is where the heart is and, unconsciously, “home” expresses the refinement, culture and good taste of those who dwell within its walls.

Think how naturally Genuine Mahogany woodwork helps you to say hominess and hospitality! Its simple, figured surface, its mellow color and its air of well-bred charm convey the suggestion of simple dignity, so sought for in the home.

And it is such a fitting setting for Genuine Mahogany furniture.

One of the many reasons why Mahogany should be especially considered at the present time for both furniture and interior woodwork is the fact that the difference in cost between Genuine Mahogany and other less beautiful cabinet woods is less today than it has ever been.

Bear this fact in mind if you contemplate building a new home, remodeling an old home, or refurnishing either.

Our folder, the “Home Beautiful,” gives interesting facts and figures on interior woodwork. Our “Period Furniture” folders may help you in the selection of Genuine Mahogany Furniture. A postal card request will bring them to you, without cost.

after all—there’s nothing like

MAHOGANY

MAHOGANY ASSOCIATION, Inc. St. James Building 1133 BROADWAY, NEW YORK
PULLMAN is essentially a beautiful davenport. As a living-room piece it excels in attractive appearance and grace of design. It is distinctly furniture of refinement—and will conform with your ideals of correct furnishings.

Although the general construction of a Pullman does not imply that it contains a full-size bed, one simple operation converts it into an “extra bedroom.” The accommodation thus provided affords restful relaxation equivalent to the finest bed.

Pullmans are sold everywhere by better furniture dealers. Ask your dealer to show you the “perfect davenport bed.”

We would like to send you, upon request, an interesting and instructive brochure on interior decorating.

PULLMAN COUCH COMPANY
3759 S. Ashland Avenue

CHICAGO ILLINOIS
I wish our locks worked like that.

"Yes, we are proud of our hardware—it's Corbin."

THAT'S the way with good hardware—the longer you live with it, the better you like it. Its beauty, its prompt, precise action, the sense of security it inspires in you when you "lock up" for the night—make it ever so worth while.

Good hardware is a long-term investment. For little more than you would pay for doubtful quality, you can have hardware that will make the most modest home a joy to live in—hardware that even the chance caller will recognize as worthy of its environment.

Today, more and more people are showing their contempt for shoddy building by insisting on good materials and good workmanship. These people know that Good Buildings deserve Good Hardware.

P. & F. CORBIN SINCE NEW BRITAIN 1846 CONNECTICUT

The American Hardware Corporation, Successor

New York Chicago Philadelphia

"Good Buildings Deserve Good Hardware" is a booklet you should read, if you are planning to build. Write for it.
A McCray refrigerator in your home means wholesome, palatable meals—food kept temptingly fresh and appetizing. It means an end to waste through spoilage. And the family's health will be protected from the danger of contaminated foods.

For a constantly circulating current of pure, cold, dry air reaches every compartment of the McCray, maintaining a uniformly low temperature and keeping all foods in their original freshness and wholesomeness.

It is the patented McCray construction which maintains this current of pure air, sweeping through the refrigerator like a refreshing north breeze and keeping every corner clean, sweet, and thoroughly dry. Perfect insulation, highest quality materials, carefully selected, seasoned and manufactured with rigid devotion to every detail, make the McCray both efficient and economical. The ice consumption is exceedingly low, as any McCray user will tell you.

For a third of a century we have been making refrigerators of the highest grade, not only for residences but for all purposes. The name McCray has come to be recognized as the "sterling mark" on refrigerators.

Send the coupon now for further information.

McCRAY REFRIGERATOR COMPANY
2313 Lake Street, Kendallville, Ind.

McCray refrigerators are used in thousands and thousands of America's homes, and are recognized as standard equipment in the foremost hotels, clubs and institutions.
"And Here is Your Bathroom"

When the hostess says simply, "And here is your bathroom," she is in fact saying, "The freedom of the house is yours. You need not shape your habits to ours, nor be fearful of incommoding us."

An additional bathroom often spells the difference between easy, gracious hospitality and embarrassed, apologetic hospitality. And when no guests are present it adds immeasurably to the comfort and convenience of every member of the family.

Let the capable plumbing dealer who sells Kohler Ware in your neighborhood show you how a model modern bathroom can be installed in a space as small as five feet by six, no larger than a good-sized closet. And let him demonstrate in figures the reasonableness of the investment that will insure your obtaining the unsurpassed quality that every piece of Kohler Enameled Plumbing Ware represents.

With a half-century tradition of excellence behind it, Kohler Ware is the recognized measure of worth in plumbing fixtures. You will find nothing more sightly than Kohler designs, nothing more certain to reward you with lasting satisfaction than Kohler fixtures with their enduring covering of uniformly white, glassy-hard enamel.

Let us send you our booklet describing Kohler Ware and offering interesting suggestions for the equipment of bathrooms, kitchens, and laundries.
Charm and Dignity Achieved in an Inexpensive “Fisklock” Home

This house is built of “Fisklock” Brick from a prize winning design by Floyd Yewell of New York in a competition of the American Face Brick Association. The terms specified a small house of face brick with “beauty achieved through simplicity”, and the illustration shows the successful result.

“Fisklock” is a two-in-one brick with the rough textured face and beautiful coloring of “Tapestry” Brick. Equivalent in size to two standard bricks, the ease with which it is handled makes it the most economical type of face brick construction.

Your house in addition to its beauty, permanence and economy of construction is protected against heat and cold by the insulating air spaces in “Fisklock” Brick.

Fiske & Company
Incorporated

There is no added cost for "Morgan-Quality"

Have this Book before you build

THOUSANDS of home-owners who have never been perfectly satisfied—who did not get all that they planned—who spent more money than was necessary—might have saved all their troubles and disappointments had they studied the many priceless things shown in "Building With Assurance"—the Master Book of Building. "Be sure you are right—then go ahead," should be the guiding star of home-builders.

Out of the fullness of many, many years of contact with thousands of home-builders, Morgan has produced the Master Book, "Building With Assurance." Men who know say in plainest words that "it is by far the most remarkable book of its kind." "Building With Assurance" is a guiding hand to lead the inexperienced, and the experienced home-builder as well) past the mistakes that cost money and dissatisfaction.

"Building With Assurance" contains many pictures—in colors—of charming bungalows, cottages and dwellings, with appropriate floor plans. Interiors, Stairways, Cabinets, Buffets, Porches, Pergolas, Arbors, etc. In addition there is priceless information from the best authorities in America on Home Heating, Modern Plumbing, Interior Decorations, Floor Coverings, Hardware, Paints and Finishes, Landscape Gardening, etc.

Never before has such valuable advice been placed within the covers of a single volume. It may save you hundreds of dollars and much disappointment.

THE BOOK TELLS YOU

- how to select a building site
- how to choose materials wisely
- how to avoid dreaded "extras"
- how to insure a dry basement
- how to select hardware that harmonizes
- how to landscape your site
- how to choose satisfactory plumbing
- how to solve heating problems
- how to figure material costs
- how to plan ahead wisely
- how to get the most for your money

MAIL THE COUPON FOR OUR PROSPECTUS

"Building With Assurance" is for earnest home lovers only. Our prospectus tells all about it, reproduced actual pages, etc. and we will gladly send it to those who mail the coupon.

THE BOOK TELLS YOU

Address Nearest Office, Dept. A-3
Morgan Sash & Door Co., Chicago, Ill.
Morgan Millwork Co., Baltimore, Md.
Morgan Company, Oshkosh, Wisconsin.

Gentlemen:
I am a home lover so please send me at once copy of your beautiful Prospectus which describes "Building With Assurance."

Name
Address
Town
State

13
Tasteful draping of windows is becoming a National habit, in which Kirsch Rods are playing a leading role—they make it so easy to get desired results. Permit almost endless opportunities for variety and change. The window drapings pictured utilize the Kirsch Single, Double and Triple Rods that are shown.

Kirsch Curtain Rods are used in millions of homes. Each year we distribute a new edition of the Kirsch Rod and Window Draping Book in six figure quantities. Our seventh annual edition, just out; bigger and better than ever. Gladly supplied for the asking.

The outside rod of the Triple Kirsch Rod shown at the left—is the Kirsch "Lambrequin" Rod, the most simple and effective method ever perfected for securing the popular Lambrequin effect.

Solve all Your Draping Problems by using

Kirsch CURTAIN RODS

The FLAT SHAPE of Kirsch Rods insures sagless strength. They make simple window treatments neat and effective—simplify the elaborate window treatment. Come single, double or triple—provide a rod or combination of rods for every effect. Made extension style or cut-to-length, to fit any window.

The VELVETONE BRASS or VELVETONE WHITE finish fuses with the rod; stays like new for years. The Kirsch bracket has no rival for simplicity, strength and utility. Installed without defacing woodwork. Rods are attached or detached by merely tilting; yet they cannot come down accidentally.

KIRSCH MFG. COMPANY, 241 Prospect Avenue, Sturgis, Mich., U.S.A.

Sold by Better Dealers Everywhere

Free Book
Pictures Window Treatments in Colors

Suggestions for every window in the home; both simple and elaborate. With practical information as to materials, rods, color schemes, etc. Gladly mailed on request.

Remember to ask for Kirsch — The Original Flat Curtain Rod.
"No Draughts or Dust—and
Think of the Fuel we Save!"

At 12,000,000 windows and doors Chamberlin Metal Weather Strips seal out cold, stop draughts and end fuel waste. Chamberlin’s own experts fit every installation. It is specialized work. Even “good mechanics” without proper training cannot do it right.

Save 25% to 40% on Fuel
They keep out dirt, dust and soot. They keep homes clean and save much tedious housework. Furnishings and decorations are protected. Chamberlin strips stop rattling of doors and windows.

They insure even heat. Keep all parts of the house warm. No more cold spots. No cold air currents. And you will be surprised at how little they cost.

End This Waste Permanently
Tests show the enormous waste of fuel at unprotected doors and windows. How simple to save it as growing thousands of good home managers are doing.

Chamberlin strips protect the health of the home, too. Children play in any part of the house without danger from draughts.

CHAMBERLIN
Metal Weather Strips

Chamberlin Strips are used on 85% of all weather stripped buildings, including homes, banks, schools, office buildings, churches, stores, hotels and apartments. They are guaranteed to last as long as the building. An estimate by our engineering department on the cost of your equipment, is free.

Just Send the Coupon
Chamberlin Metal Weather Strip Company, Detroit, Michigan

Chamberlin Metal Weather Strip Co., Detroit, Mich
Tell me the cost of equipping my building with Chamberlin Metal Weather Strips (check whether home, factory, office building, church, school.)

Name
Address
City and State

Chamberlin Metal Weather Strip Co., Detroit, Michigan
Tell me the cost of equipping my building with Chamberlin Metal Weather Strips (check whether home, factory, office building, church, school.)

I am interested in...

Name
Address
City and State
Spring Time Is Building Time

BREAK away from crowded quarters, elevators, janitors, leases and rent receipts. Build your own snug home in the open, among the trees, and let your youngsters hear the birds sing. You and yours will find it an investment in solid contentment, bringing you dividends of life-long happiness.

Arkansas Soft Pine

possessing certain natural individual qualities, is the one all round wood for the house complete. Tough-fibred and staunch in the structure, clear and smooth on the outer walls, it pleases the eye [and purse] of the owner, responds wholly to the technique of the skilled artisan and — holds paint tenaciously.

Inside the house it delights the dictates of personal artistic taste with a rare beauty of figure and satin-like texture, requisite in a woodwork of genuinely superior merit, and serves under white enamel or richly colored stains to a degree of perfection seldom equalled at double its cost.

We'd like to send you the whole story told in your language, together with a dozen attractive house designs of moderate cost — a book that is yours for the asking. And if interested in white enamel be sure to advise.

Arkansas Soft Pine is Trade Marked and sold by dealers and planing mills east of the Rockies

ARKANSAS SOFT PINE BUREAU
320 Boyle Building • Little Rock, Arkansas
Here's a Test that means a Lot to You

In the stores of thousands of quality dealers you can see the Waterspar aquarium test. Month after month a wood panel finished with Pitcairn Waterspar Varnish remains submerged in water. It is visible proof that water will not penetrate or turn this varnish white—or in any way injure the coated surface.

You know what that means. You have seen handsome floors marred by water. You have seen the finish of beautiful tables ruined by an overturned coffee cup or a misplaced percolator. You have noticed porch furniture peeling because of exposure to rain and weather.

Even boiling water will not mar the fine lustrous surface that Waterspar puts on floors, furniture and woodwork. It is not only a finish of beauty, but beauty that lasts. For Waterspar is remarkably durable.

In addition to this transparent Waterspar there is also the fine Waterspar Colored Varnish which comes in eighteen attractive colors. It, too, resists wear to a remarkable degree and is also waterproof.

Both of these two high-grade varnishes are exceedingly easy to apply. Waterspar and a good brush—even in inexperienced hands—will do a good job. Manufactured by the Pittsburgh Plate Glass Company, maker of many products famous for high quality and perfect service. No matter what you need in the way of glass, paint or varnish products, the Pittsburgh Plate Glass Company manufactures something that will fill your requirements exactly. Handled by quality dealers.

Write for "Proof" Booklet.

PITTAURGH PLATE GLASS CO.
Paint and Varnish Factories

Pittsburgh, Pa. - Newark, N.J.
Architect N. Montgomery Woods, Auburn Park, N. J., has used "CREO-DIPT" Stained Shingles, especially thatched, on many attractive homes. This Thatched Effect on his own home is unusual.

This Variegated Color effect is reproduced from actual shingles — 5% Red, 5% Green, and 90% in three shades of Light, Medium and Dark Straw colors.

"CREO-DIPT" Thatch Roof, Weathered Straw

YOUR home will best express individuality with a careful selection of building materials. The roof, for example, need not be commonplace. This Thatched Effect is secured with "CREO-DIPT" Stained Shingles sawed with wavy butts and curved either with or across the grain to bend over eaves, dormers and gables. Not only the texture of these "CREO-DIPT" Stained Shingles preserved with creosote and earth pigments ground in pure linseed oil, but the actual quality of the shingles insures color effects not secured with other building material. The original waves of this thatched roof together with the soft lines over the rounded eaves, ridges and gables give architectural effects that are unusual.

For complete information concerning the Thatched Effect with "CREO-DIPT" Stained Shingles, see our working drawings and details. Send 25 cents in stamps for special book of "CREO-DIPT" Thatch Roof Homes.

CREO-DIPT COMPANY, Inc.
1091 Oliver Street
North Tonawanda, N. Y.

For the use of regular "CREO-DIPT" Stained Shingles on roof and side walls, send 25 cents for Portfolio of Fifty Large Photographs of Homes of all sizes by Prominent Architects. Ask about long 24-inch "CREO-DIPT" Stained Shingles for wide shingle effect on side walls either in "Dixie White" or in shades of green, brown, red, or gray.

"CREO-DIPT" Stained Shingles
EXQUISITE color and form are vital elements in the new charm sought by American women in the furnishing of their homes. Simmons beds encourage and satisfy this eager search for harmony and finer values. The newest designs unite sheer beauty in lines, proportions and engaging color with notable utility at remarkably low prices.

For apartment chambers, country houses or modest cottages, there are Simmons beds to fit and enhance any color scheme and add spaciousness to any room. Simmons mattresses and springs, too, in many types and widths, all of high character, outstanding value and luxurious comfort, built for sleep.

The Simmons Company, Kenosha, Wis.

Pale apricot curtains and bed covers give the dominant color note to this enchanting bed chamber. Materials may be soft taffeta, poplin, repp or radium satin to suit the owner's budget. The wilton or chenille rug is warm gray. Green tinted walls; floors stained dull walnut. Night tables pale green or primrose. Beds are by Simmons, the Lakewood design, in soft jade green and old gold with panels in pale primrose. Or beds may be warm blue and matt gold with panels in soft turquoise.
It has been the privilege of the producers of the Cole to incorporate in its building those features that mark it as truly a FINER CAR.

COLE
Eight Ninety

COLE MOTOR CAR COMPANY
INDIANAPOLIS, U. S. A.
There's a Touch of Tomorrow in All Cole Done Today
THE Fireproof WALLBOARD

What it is: Sheetrock is a wallboard made of gypsum and gypsum is a rock. It is gypsum plaster cast in sheets. It is fireproof, non-warping, and rigid. It can be sawed and nailed. It takes any decoration: wall paper, paint or panels.

What it does: Sheetrock makes smooth-surfaced, tight-jointed, permanent walls and ceilings—standard walls and ceilings that keep rooms warm in winter and cool in summer. It makes walls and ceilings that are sound-proof, vermin-proof and fireproof.

Where it is used: Sheetrock is the economical wall and ceiling material for many types of new construction and for all remodeling, alterations and repairs. It is being used now in residences costing upward of $20,000. It is just the thing for attic rooms, furnace rooms, fruit cellars, play rooms, garages, offices, stores, and warehouses.

How it is used: Sheetrock comes in broad, ceiling-high sheets, factory cast and uniformly gauged for smoothness and thickness. The carpenter simply nails the sheets to the joists or studding.

Who sells it: Your dealer in lumber or in builders' supplies sells Sheetrock. Ask him about it.

UNITED STATES GYPSUM COMPANY
General Offices: 207 West Monroe Street, Chicago

World's Largest Producers of Sheetrock is approved by The Under-Gypsum Products Laboratories, Inc.

UNITED STATES GYPSUM COMPANY
207 West Monroe Street, Chicago, Ill.

Gentlemen: I am thinking of building □ remodeling □ making repairs □

Please send me a free copy of your illustrated booklet, "Walls of Worth," and sample of Sheetrock.

Name

Address
Bathing in Running Water is a Delightful Sensation

There's something about running water that appeals to all mankind—and womankind. It is suggestive of things that are fresh and clean. Possibly this is the reason why shower bathing soon becomes a fixed habit.

You use the water once and it runs off—

You are clean, delightfully so; and your muscles and skin have been massaged by scores of sparkling, invigorating sprays.

You will be interested in our booklet, "Once-Used Water." It is illustrated with various types of Speakman Showers and Fixtures for all kinds of bathrooms. When you write, would you mind mentioning your plumber's name?

Speakman Company
Wilmington Delaware
Whafs the Difference Between a Cellar and a Basement?

"The Old Fashioned Cellar"

Easy Operation
Who hasn't been annoyed by warped, sticking cellar windows—equally hard to open and to close? Wood sash is bound to warp, swell, and shrink under the influence of weather; but the solid steel of Fenestra Basement Windows guarantees that they will always operate easily.

Greater Protection
The wood sash windows of the "cellar" can easily be forced from the outside; but Fenestra Basement Windows are practically proof against the burglar's "jimmy". More than that, their steel sections are fire-proof, as steel always is, and also weather-tight.

Long Life
Fenestra Basement Windows cannot rot or decay. They cannot be split or splintered when coal or other material is put through them.

DAYLIGHT—plenty of natural LIGHT—that's the greatest and most valuable difference.

"Cellar" is the old-fashioned word for the space beneath a house. That space, primarily intended for storage, has always had broader potential usefulness. But if you recall the dim, shadowy, ill-ventilated, and unhomelike under-spaces of some houses you have seen, you know that they have cellars—merely cellars.

Modern houses have "basements"—the right term for the accessible, homelike, lower-workroom; daylighted and made cheerful by Fenestra Basement Windows—the windows with large panes of glass framed in solid steel sash. They admit 80 percent more daylight; they are easier to operate than wood windows, provide greater protection; have longer life, look better—and their cost is low.

Fenestra Basement Windows make a decided improvement in the appearance of the lower part of the house. Thousands of modern homes already have Fenestra Basement Windows; look for them, in homes of every type and size where architectural detail is of the best.

Low Cost
You'd be willing, would you not, to pay considerably more for a real basement than for a cellar in your home? But that's not necessary. With all of their manifest advantages, Fenestra Basement Windows cost very little more than ordinary wood windows. Your contractor knows that they cost less to install.

Dealers Supply Them
Fenestra Basement Windows are stocked and sold by lumber and building supply dealers everywhere, and large stocks are warehoused throughout the country. This means that the home-builder who decides that he wants Fenestra Basement Windows can get them promptly.

Get This Booklet
Get all the facts about Fenestra Basement Windows before you build your new home. Write for the complete Fenestra story as told in our new booklet—it's free.

Fenestra
The name of the ORIGINAL steel WindoWall.

The symbol of superior QUALITY in material, patented design, workmanship and service.

Fenestra BASEMENT WINDOWS
Why You Can Get BRASS PIPE Plumbing At Almost the First Cost of Iron

PIPE that does not rust. A full flow of clean water. Freedom from plumbing repair expense.

That means BRASS pipe.

Compare the cost of the smaller-size Brass pipe with the larger-size iron. You will find that you can get the trouble-free service of Brass pipe at almost the same first cost as iron.

Ask your architect or plumber. Send for "Brass Pipe Plumbing." Use the coupon.

Brass and Copper are cheaper because you pay for them only ONCE

COPPER & BRASS RESEARCH ASSOCIATION
25 Broadway - New York

Saving in Pipe Size by Use of Brass

Reasonable differences in diameter as between Brass and iron pipe for cold water lines are as follows:

<table>
<thead>
<tr>
<th>Brass</th>
<th>Iron</th>
</tr>
</thead>
<tbody>
<tr>
<td>15 inch</td>
<td>3/4 inch</td>
</tr>
<tr>
<td>1 1/4</td>
<td>1</td>
</tr>
<tr>
<td>1 1/2</td>
<td>1 1/2</td>
</tr>
<tr>
<td>2</td>
<td>2 2/5</td>
</tr>
</tbody>
</table>

For hot water lines:

<table>
<thead>
<tr>
<th>Brass</th>
<th>Iron</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 1/4</td>
<td>1</td>
</tr>
<tr>
<td>1 1/2</td>
<td>1 1/2</td>
</tr>
<tr>
<td>2</td>
<td>2 2/5</td>
</tr>
</tbody>
</table>

COPPER & BRASS RESEARCH ASSOCIATION
25 Broadway, New York

Please send me a copy of illustrated booklet on the advantages and low cost of BRASS PIPE PLUMBING.

Name: ________________________________
Street: ________________________________
City: __________________ State: ________
Why Not Improve the Old House With New Woodwork?

SOME people still think that all the woodwork in a house is laboriously constructed by carpenters on the job.

They do not know that doors, windows, stairs, porches, mantels and built-in-furniture can best be made in well equipped factories by expert Curtis workmen using designs drawn by famous architects.

Does your house lack these things?

It has become an easy matter to rearrange your home—to install a mirror door in the bedroom—built-in book cases in the living room—new molding or a breakfast nook. Maybe your house does not contain them. Yet you know that these things will make living twice as comfortable.

The woodwork of a home is like the motor in a car—little noticed unless it is wrong—but all-important. Therefore it is of utmost importance to select Curtis woodwork—so well made that the maker is proud to place his trade mark on each piece.

Not a room but can be improved with Curtis woodwork—made more beautiful, more comfortable, more convenient. Curtis has not slighted the living rooms, bedrooms, halls or dining rooms. Nor kitchens. Safe to say, nine women out of ten would consider perfect a kitchen which included all the Curtis built-in pieces.

All the new conveniences that have been coming in these last few years can be supplied by your local Curtis dealer—all solidly constructed of selected woods and giving a lifetime of comfort for your investment.

You can buy it by the piece

Buy one door or woodwork for an entire house if you like. Always you will get beautiful designs reproduced in materials you will be proud to have in your house.

Manufacture on a large scale with costly machinery enables Curtis to include many refinements which, if done by hand, would be highly expensive. Take, for example, the china closet illustrated in this advertisement. Its moldings are a marvel of line, yet quantity production puts their beauty within reach of every purse. The shelves are adjustable. Double strength glass in the upper door; solid raised panels 7/16" thick. A number of new features are included. The closet comes crated and wrapped, and sanded ready for the painter.

By standardized woodwork it is not meant to suggest cheap production in wholesale quantities. Curtis standardization means a specialization on the finest designs, the highest quality at reasonable cost, prompt deliveries, and the constant intent to make woodwork good enough to pass Curtis inspection of every piece.

Woodwork means so much to the success of a house that it is well worth considerable study. See the catalog at your local Curtis dealers. Or send us the coupon.
ASK your Architect about Medusa Stainless White Cement, Waterproofed. He will tell you that it will retain its whiteness through the years without streaking or discoloring; that dampness cannot penetrate its surface; that it will become ever more beautiful as the growing things develop around it.

Interesting facts in the new Medusa Book. Send your name and your Architect’s, and we will forward copies to each of you, with our compliments.

THE SANDUSKY CEMENT COMPANY, Cleveland
We are sole manufacturers of Waterproof White Cement

MEDUSA WHITE CEMENT
WATERPROOFED
Why Architects, Contractors and Dealers Recommend

Andersen Frames

1. Immediate delivery—no expensive delays waiting for special custom made frames.
2. 121 sizes ready for every purpose.
3. Delivered in two compact bundles plainly marked and easily handled.
4. 7 parts instead of 57. No small parts to be lost or broken.
5. A frame up in ten minutes. No sorting, measuring or retiring. Pockets and pulleys in place.
6. Accuracy gives smooth-running windows, yet excludes all weather.
7. Modern machinery, methods and specialization lowers cost at factory; quickness of assembly saves you time, labor and money on the job.
8. Better results in frame, brick or Stucco buildings.
9. White Pine preserves original accuracy and gives continuous service.
10. Made by the largest exclusive standard frame manufacturer. The trade-mark is absolute protection.

Windows Run Smoothly in Andersen Frames

It's a pleasure to have windows that can always be raised or lowered at a touch of the hand.

Two important steps in manufacturing give Andersen Frames this smooth-running quality. First each part of the frame is accurately made. Then the original accuracy is preserved for many years by using White Pine in all exposed portions of the frame.

By specializing the Andersen Factory is able to make frames that are not only exact, but so simple that any carpenter can nail up the seven units complete with pockets and pulleys in place in ten minutes or less.

Write For Free Booklet

We will be glad to explain fully the different features listed on this page. Write and tell whether you are building your own home, or whether you are interested as an Architect, Contractor, Carpenter or Dealer.

Andersen Lumber Company
Dept. N-3
Bayport, Minnesota
(Formerly South St. Paul, Minnesota)
"The Steel Heart of Plaster" Stops Fire—Prevents Cracks

**FLAMES KILL FOUR CHILDREN**

No Time for Escape—They Could Have Had an Hour

**EVEN** a frame home can, at very small additional cost, be made **fire safe**—every wall a barrier that will bar the passage of flames for at least an hour.

The National Board of Underwriters has given official recognition to this fact, so often confirmed in actual experience. For after severe fire tests they have awarded to walls of incombustible plaster on metal lath a full **1 hour rating**.

That first swift, deadly rush of fire is stopped by walls of steel and plaster. The ever lurking fire menace thus has far less terror for the family whose home is protected by KNO-BURN Metal Lath.

FREE! A book of valuable information for Prospective Home Builders. Write for it today!

**Kno-Burn Metal Lath**

"The Steel Heart of Plaster"

**Fire Prevention**
(1) Bearing Partitions, stud and exterior walls, including fire stops.
(2) Ceilings under inhabited floors.
(3) At chimney breasts, over heating plants.
(4) Stair wells and stair landings.
(5) For exterior stucco.

**Crack Prevention**
(1) Use Kno-Burn on ceilings of living room, dining room, entry hall, around and under stairs and stair wells.
(2) Use a 12" strip of Kno-Burn bent into corners of dining room, living room and entry hall.
(3) It is well also to use Kno-Burn for walls of all principal rooms.

**Kno-Burn Metal Lath Co.**
1237 Old Colony Bldg.
Houses of Enduring Charm

Every year home-builders show a greater appreciation for the value of beauty. Beauty enhances the satisfaction one gets out of his home. It adds to the investment value. It is both a sentimental and practical consideration. The realization of this fact is leading more and more builders to Face Brick, for the Face Brick house is not only attractive when completed, but takes on new and more beautiful hues as it ages. Dollars-and-cents considerations, too, favor the Face Brick house—slow depreciation, a minimum of repairs and upkeep, painting only around doors and windows, low insurance rates and smaller fuel bills. "The Story of Brick" discusses these matters in detail. For your copy, address American Face Brick Association, 1721 Peoples Life Building, Chicago, Illinois.

Send for these booklets:

"The Story of Brick" is an attractive booklet with beautiful illustrations of modern homes, and discusses such matters as Comparative Costs, Basic Requirements in Building, the Extravagance of Cheapness, Financing the Building of a Home, and kindred subjects. A copy will be sent free to any prospective home-builder.

"Face Brick Bungalow and Small House Plans" embrace 96 designs of Face Brick bungalows and small houses. These houses are unusual and distinctive in design, economical to build, and convenient in floor plan. "Face Brick Bungalow and Small House Plans" are issued in four booklets, showing 3 to 4-room houses, 5-room houses, 6-room houses, and 7 to 8-room houses. The entire set for one dollar; any one of the books, twenty-five cents. We can supply complete working drawings, specifications and masonry quantity estimates at nominal prices.

"The Home of Beauty" contains fifty designs of Face Brick houses, mostly two stories, representing a wide variety of architectural styles and interior arrangements. These houses were selected from 330 designs submitted in a nation-wide Architectural Competition. Sent for 50 cents. We distribute complete working drawings, specifications and quantity estimates for these houses at nominal cost.

"Orienting the House" is an illustrated booklet, with a sun dial chart and explanation for placing the house with reference to light and shade. Sent for 10 cents.
The Durability of the Kelsey Warm Air Generator

Ten years ago we installed a battery of Kelsey Warm Air Generators in the house above illustrated; and with ordinary care it will continue to give satisfactory service for twice ten years to come. We can tell you of many Kelsey Warm Air Generators that were installed over a quarter of a century ago, and are still good for many years of efficient and economical service.

The reasons are perfectly simple: EXCELLENT MATERIAL and EXTRA HEAVY CONSTRUCTION. The Kelsey is the HEAVIEST warm air heater made, and its long life makes it one of the LEAST EXPENSIVE.

Besides which, its economy of fuel, due to the ingenious zig-zag tubes which form its fire and combustion chambers, is a source of great satisfaction to the owner. That the Kelsey gives "more heat to the ton" is a fact that we shall be glad to prove to you.

Send for "Kelsey Achievements", and any other heating information you desire.

The Kelsey
Warm Air Generator
(Trade Mark Registered)

237 James St., Syracuse, N.Y.

New York Office
Boston (9) Office
568-K Fifth Ave. (Cor. 46th St.)
400-K P. O. Sq. Bldg.

When buying insect screen cloth you can follow no better guide than the Jersey Tag. This red and black tag is attached to the end of every roll of Jersey Copper Screen Cloth. Its value to you lies in the fact that it definitely identifies the screen cloth which will give you the maximum of service at a minimum of expense.

Jersey Copper Screen Cloth will save you money in the long run. It is made of copper 99.8% pure. It cannot rust as do iron and steel. The wire has been made stiff and strong by a special Roebling process, so that the cloth will not bulge or sag. It will last almost indefinitely.

While the first cost of Jersey Copper Screen Cloth is slightly higher, the difference is insignificant when compared with its durability and it never requires repainting as is frequently necessary if the cloth is made of iron or steel wire.

It will prove to your profit to investigate this material when you consider insect screens. Many hardware dealers carry Jersey Copper Screen Cloth. Write directly to us, however, if your dealer does not have it. Send for a booklet "A Matter of Health and Comfort" which includes useful information about screens.

The New Jersey Wire Cloth Company
622 South Broad Street
Trenton, New Jersey

Copper Screen Cloth
Made of Copper 99.8% Pure
"Lost balls "take the fun out of tennis."

Put up an Anchor Post Tennis Court Enclosure or Back Stop—and enjoy your game to the utmost. Banish exasperating "lost ball" hunts forever. Anchor Post Enclosures and Stops are built for permanency. They are far superior to the ordinary kind with shaky wooden uprights and flimsy netting.

Anchor Post construction includes, for instance, heavy wire fabric supported on strong steel posts. Posts are Drive-A-Home and never shift out of line. Old-fashioned hot-dip-plated galvanizing throughout provides most thorough protection against rust.

Write or phone the nearest Anchor Post Office or Sales Agent for complete information including a copy of The Illustrated Anchor Post on "The Tennis Court—Its Construction and Upkeep."

ANCHOR POST IRON WORKS
52 CHURCH STREET, NEW YORK, N. Y.

Branch Offices
Boston, Mass., 72 Milk Street
Chicago, Ill., 8 So. Dearborn St.
Cincinnati, Ohio, 141 East Fourth St
Cleveland, Ohio, Guardian Building
Detroit, Mich., Penobscot Bldg.

For the House Among Trees

For the house shadowed by trees, over which vines clamber—where moisture lingers—an exterior of Redwood is the best insurance against rot and decay and heavy upkeep and repair expense.

Redwood is permeated during growth with a natural, odorless preservative which protects Redwood lumber, siding, shingles, columns, trim, lattice work, etc., against all forms of fungus growth and against insect activity.

Properly seasoned Redwood does not shrink, warp or swell. It takes and holds paint well. It can be bought at prices that compare favorably with those for other woods of equal grade.

Before you build, write for our "Redwood Houses Booklet." For architects and engineers we have compiled our "Construction Digest" and our "Engineering Digest." Copies sent on request.

The Pacific Lumber Company is scientifically reforesting its outlying redwood lands, under the direction of an experienced forester, and aims to utilize every part of the log for some useful purpose—wood, lumber or veneer.

Residence of F. J. Hammond, Hoffman Mills, a suburb of Kansas City, Missouri—a suburb of Redwood.

The Pacific Lumber Company
52 Church Street, New York

SAN FRANCISCO  LOS ANGELES
344 California St., Central Telephone, 2216 Main St.
THE PACIFIC LUMBER CO. of Illinois

In the Middle of the Night IMMEDIATE WARMTH

It may save merely the discomfort and time lost in securing hot water. It may save something more precious than time—life.

But the convenience alone justifies its replacement of the old fashioned and often leaky hot water bag. The "Standard" Electric Heating Pad has three ranges of heat—mild, medium and intense.

Covered with soft, fleecy eiderdown, light in weight, flexible to fit the body, the "Standard" is essential to bedroom or sickroom comfort.

Three heat "Standard" Pads, 15 x 15 inches by 3 inches, are priced at $8.00 and a smaller single heat "Standard" Pad at $3.00. All "Standard" Pads are guaranteed for two years. If your dealer cannot supply you, write us.

THE STANDARD ELECTRICAL APPLIANCE COMPANY
BEVERLY, NEW JERSEY

Standard
the Pad Dependable
Select “Your Next Home” from this Great Collection

60 Brick House Designs
Selected from Thousands

Photographs and floor plans of 60 unusual homes and four garages. Leading architects designed them. Every one of these homes has been tested by use—has actually been built and lived in.

In the last two years we have photographed and studied thousands of brick homes—all over the country. Now 60 have been selected as the finest in beauty and interior arrangement. The valuable book—"Your Next Home"—contains photographs and plans of these 60 selected brick homes that have actually been built and lived in. There’s a type and price for every taste and purse.

At 10c this is the greatest offer ever made to home builders.

Better Homes Within Your Reach Now

Today your old familiar friend—common brick—offers new beauty and economy. The architect’s skill has discovered a wide range of delightful effects attained through expert use of mortar colors, bonds and patterns. And modern uses of common brick—such as the Ideal Hollow Wall—have cut the cost of brick construction a full third.

Any man with the average income now can have one of these 60 beautiful, comfortable, long-lasting and economical brick homes.

Mail This Coupon TODAY!

THE ARDILA
Is a type that meets the needs of most home-builders.

THE SAQUOIT

The Common Brick Industry
2128 Cleveland Discount Building
Cleveland, Ohio

Enclosed find 10c for "Your Next Home"—the book showing photographs and designs of 60 selected brick homes.

Name ____________________________

Address __________________________

THE AMERICAN BRASS COMPANY

Anaconda Brass Pipe is not expensive

Anaconda Brass Pipe for water service lines costs only about $75 more for a $15,000 house than pipe which will corrode and clog—

A negligible item when the resulting freedom from damage and repair expense is considered.

Anaconda Brass Pipe will not corrode. No rust to reduce the flow of water to a trickle. Crystal clear water. An end to leaky pipes.

Anaconda Brass Pipe is guaranteed and trademarked.

Write for our new booklet "Ten Years Hence" which tells how to save on your plumbing. It is free.

THE AMERICAN BRASS COMPANY
GENERAL OFFICES, WATERBURY, CONN.,
MILLS AND FACTORIES
Ansonia, Conn; Terre Haute, Ind; Waterbury, Conn; Buffalo, N.Y; Bremerton, Wash; Havana, Cuba; Canada

OFFICES AND AGENCIES
New York Philadelphia Boston Providence Pittsburgh Cleveland Chicago St. Louis Baltimore

Anaconda Brass Pipe Limited, New York, Ontario, Canada
HODGSON HOUSES are always tight and weatherproof even in the stormiest weather. These houses are made in our workshops by skilled wood-workers, where attention is given to details of construction. Every board is exactly fitted and every door properly hung, Hodgson Houses are stained, painted and finished before they are shipped to you.

The materials used are the best that can be bought. Frame of sturdy Oregon pine, walls and roof of red cedar, the most durable wood known, lined with heavy fiber lining. No moisture can seep through these walls.

Hodgson Houses are so attractive, they are admired by every one who sees them.

If you are thinking of building anything this spring, whether it be a cottage, garage, playhouse, poultry-house or dog kennel, it will save you time and expense to consult the Hodgson catalog G. Send for it to-day.

E. F. HODGSON COMPANY
71-73 Federal St., Boston, Mass.
6 East 39th St., New York City

The ONE SAFE WAY of Garbage Disposal

There is only one really safe, sanitary method of garbage disposal—and that is to destroy it. The unsightly garbage can, with its attendant bad odors, swarms of insects, yowling cats and stray dogs, has long been condemned by medical men and experts on the subject of sanitation. The garbage can is also a breeding place for dangerous disease germs.

The garbage problem can be solved for all time with the installation of a Ranz Garbage Destroyer. Makes the entire place more sightly and sanitary. Owners of the Ranz are independent of the costly, unreliable method of having waste matter hauled away.

The Ranz is easy to install and operate. Put it in a corner of the basement—or outdoors. Dump in all the wet or dry garbage, rubbish, etc. Nothing can clog it and the Ranz sterilizes itself with each burning. No muss or odors.

Neenah Brass Works
Neenah, Wis.

Mail the coupon today for prices and literature.

Neenah Brass Works, Dept. 23, Neenah, Wis.

Ranz Garbage Destroyer
Is a scientific system of garbage disposal for homes, hotels, apartment houses, hospitals, public institutions, parks and playgrounds. Made in two sizes—1½ and 3-bushel capacity.

Neenah Brass Works
Neenah, Wis.

Please mail me your booklet on garbage disposal for homes, hotels, hospitals, picnic grounds (check).

Name:

Address:

Dept. 23

Wisconsin
Let Fiske Fence Your Tennis Court

AND it will be done right and it will stay right for years.

Fiske has been fencing tennis courts for so long that Fiske knows how to give the most satisfactory results at a most satisfyingly reasonable cost.

Fiske Fencing Most Enduring

Fiske Tennis Court Fencing built of hexagonal mesh wire, tubular uprights and rails, with adequate braces. The wire mesh is closely woven, comes down to the ground, and is re-enforced by horizontal heavy wires.

Fiske Fencing Rust Proof

Because Fiske Fencing is galvanized by the hot spelter process after, not before, it is woven, the rust proofing is absolutely complete and more enduring.

Fiske Service Complete

Fiske will contract to do installation; or will furnish plans and blue prints with full erecting instructions.

Let Fiske fence your tennis court. Send for catalog 13.

Fiske Also Makes Ornamental Iron Work of Every Kind

Send for Fiske Catalog, specifying just what type of Fiske Products you are interested in.

J.W. Fiske IRON WORKS
ORNAMENTAL IRON WORK
80 Park Place ~ New York
ESTABLISHED 1858

Build a Better Kitchen — and Save Money!

Ready-made standard kitchen units will save space, make it possible to build your kitchen more compactly — and cost no more than ordinary cupboards. Above is "Combination 1-X" — a Kitchen Maid kitchen cabinet in combination with dish closet, broom closet and storage cupboard. The small illustration at the left is an ironing board which unfolds from the wall. At the right is a broom closet. Below is the "Pullman-oak" — which disappears into the wall when breakfast is over. Get our catalog of many other convenient modern units which save you space and money in building your kitchen — and time for ever after! Write today.
The Biggest Household Improvement Since Electricity

A Machine That Makes Hard Water—Soft

No longer is it necessary to use powders, special soap or tainted rain water to overcome the everpresent annoyance of hard water in your home, for no matter how hard your present supply a Permutit Water Softener will turn it softer than rain.

Without the use of chemicals, without any extra pumps or motors, a Permutit Softener will deliver a clear drinkable supply of delightful soft water from every faucet in your house. The softener is simply connected into your pipe line in the basement or other convenient spot; your regular water supply flows through it on the way to the faucets, and the wonderful Permutit material automatically abstracts every grain of hardness, leaving it clear and delightful for every purpose.

Once every week or ten days you put a fixed amount of common cooking salt in the softener. This regenerates the Permutit material by driving out its accumulated hardness, and that is the only operating expense. A few cents a day is all it costs, and the machine should last a lifetime. Thousands are in use.

Send for a free copy of our interesting booklet, "Soft Water for your Home." Write to-day.

The Permutit Company
440 Fourth Ave., N. Y.

Agents everywhere

The Arts & Decoration Practical Home Study Course in Interior Decoration

COMPLETE, authoritative, covering every phase of Interior Decoration—background, curtains, lighting, colors, textiles, fabrics, classic and modern styles, periods and period furniture, composition. Practical step by step direction in what to do and how to do it, whether the objective is to beautify your own home or to fit yourself for a highly paid artistic career.

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Prepare Now For Spring Cleaning

HERE is a typical example of the modern wares which have made Lewis & Conger's the synonym for household necessities: a unique household's basket for carrying soap, brushes, powder and cloths. By keeping these elusive little things together you save many hours that more than repay for the mere $3.50 the basket costs. Your order can be quickly filled by mail.

Without this clever household's pail, designed to catch water from spilling, your home lacks an important Lewis & Conger essential. The price is $5.50 but value it in terms of rugs, carpets and polished floors saved from split water and suds. Order by mail today.

Indispensable to every modern woman is this new book, "Home Equipment," prepared by Lewis & Conger, which contains a wealth of ideas for household economy. You should have a copy. Send for it today on the coupon attached.

LEWIS & CONGER
45th Street and Sixth Avenue
NEW YORK CITY

LEWIS & CONGER
45th St. & Sixth Ave.
New York

Please send me without cost, your booklet "Home Equipment."

Name ____________________________
Address __________________________

Arts & Decoration
48 West 47th Street
New York
WALL PAPER
adds so much—and costs so little

Beautiful bedrooms—what a lot modern WALL PAPER has contributed to make them so! And what a little it has asked for its services!

WALL PAPER is the magic wand that transforms an austere room into a cheery bed-chamber; or, its mission may be to tone down a too-bright room into a more sombre one that invites rest and relaxation.

Such amazing things WALL PAPER does! And can do. It invests the modern woman with the power to control the effect of every room in the house, much as a stage-director controls the effect of his sets.

See the nearest Guildsman, at the Sign of Service shown here-with. Revel in the patterns that enable you to express your personality in home-decoration in a way you thought unlikely, at a price you thought much higher.

$1,000.00 for a slogan!

Can you coin a phrase that will convincingly convey the importance of WALL PAPER in the life and well-being of the American people?

First Prize, $500.00 Second Prize, $100.00
20 Prizes of $20.00 each

Get out your pencil! Somewhere in the English language is a concise combination of words that will become the slogan of the WALL PAPER Industry. In case of two or more contestants submitting the winning slogan, full award will be made to all winners. Mail your suggestions before April 15th to Publicity Director, Suite 1819, 461 Eighth Ave., New York.

Richardss-Wilcox Mfg. Co.
A. Hanger for any Door that Slides

HAVE you noticed how much space is wasted by hinged doors—space that could be used to advantage, adding much to the roomey appearance of your home? Hinged doors have another disadvantage, too. They are sure to stick when the building settles, which means that they must be removed, planed off and refinished.

Vanishing doors, hung on Richards-Wilcox hardware, permit every foot of floor space to be utilized. They put an end to slamming doors, insure greater privacy and prevent door accidents to children. R-W hardware is so skilfully made that it provides a door which operates easily and noiselessly—in fact, the doors open or close at a touch. Moreover, the adjustable feature of R-W hardware positively eliminates sticking.

If you plan to build or remodel you will find our book, "Modern Hardware for Your Home," of great interest. Ask for Catalog M-28 when you write.

Most reliable hardware and lumber dealers can supply you with R-W Vanishing Door Hardware. If not, it may be quickly secured from any one of our many branches.
INTER—cold and white! Yet the color of this roof in the slanting sun reflects the warmth of the hearth within. A roof of Johns-Manville Rigid Asbestos Shingles, with their various soft colorings blended, expresses the geniality of your home and the individuality of your taste.

A practical roof too! Asbestos has proved its permanence in the rock-beds whence it comes, and its fire-safety under the white hot flame of the blow torch.

There are roofings of Johns-Manville Asbestos in many forms, for every type of building; all are fire-safe and economical.

Send to Johns-Manville, Inc., Madison Avenue and 41st Street, New York City, for booklet in colors on Rigid Asbestos Shingles.
Always in good taste

CENTURIES have passed since the glass-workers of Venice first produced mirrors. But the years since those first crude mirrors graced the walls of Europe's splendid palaces, have been years of improvement, refinement, perfection.

For many years the Italians and French possessed the secret of fine mirror-making. To-day there are no more perfect mirrors made than those manufactured by the mirror-makers of our own country.

Only perfect, crystal-clear and flawless plate glass is selected, and the silvering is done with painstaking care. For brilliance, depth and flawless perfection plate glass mirrors of American make are unsurpassed.

To those fourteenth century Venetian glass-workers who so jealously guarded the secret of mirror-making for two hundred years, the interior decorator and home designer of to-day owe a debt of gratitude. For there is no more effective accessory in home decoration than the happily placed mirror. Fortunately, mirrors never go out of style. Hung on the wall or built into the house, to be useful or merely decorative, a mirror is always in good taste.

One never regrets the mirrors built into closet doors, bedroom doors, bathroom doors and other appropriate places. When building a home, ask the architect to include plate glass mirrors in the specifications.

PLATE GLASS MANUFACTURERS of AMERICA

Use Plate Glass for:
- Table Tops
- Desk Tops
- Buffet Tops
- Dresser Tops
- House Windows
- Motor Car Windows

Nothing Else is Like it
Hundreds of thousands of housewives have found that old, reliable Liquid Veneer, by imparting a beautiful, high polish, keeps their piano, furniture and woodwork in a condition that renders them objects of pride.

In your home Liquid Veneer will save many dollars in refinishing. It will quickly restore age-dulled pieces to brilliant newness. Moreover, Liquid Veneer preserves the finish of any varnished or enameled surface.

Laughing Vivian says: "With the help of Liquid Veneer you can do all of your dusting in a very few minutes and when you have finished everything just shines. Liquid Veneer feeds the surface and almost instantly all scratches, "smokiness", fingermarks, disappear. It cleans as it polishes, leaving a dry, highly lustrous surface."

Price 30c to $3.50. At all dealers.

LIQUID VENEER MOP

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Exclusive Costumes: Armour; Jewelry; Masks; Bracelets; Jewelry; Gold; Silver. 211 West 47th St., New York City.

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By HAROLD DONALDSON EBERLEIN

The general reader, the architect and the devotee of beauty will prize and study these remarkable illustrations, with their descriptive text and comments, for they are both inspiration in design and are peculiarly rich in fresh, suggestive value. No commercial photographer or paid assistant could possibly have taken the more than three hundred views that are shown here. The author did the work himself with infinite care and a true artistic perception. Each set of views is accompanied by a plot description and are peculiarly rich in fresh, suggestive value.

The average traveler in Tuscany sees only the larger and more colorful villas, and little dreams of the many delights hidden behind the high walls that serve to protect them. It is the joy of these pictures as well as the beauty of the famous places that the author shares with the reader.

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The Cupid Grand has contributed to the lustre of the name Sohmer to the end that there are now more Sohmer pianos in use in Greater New York than any other artistic make.

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It is sturdy, good looking and comfortable for year round service. The body stays tight and quiet. Doors keep their snug fit. Upholstery and rugs are made of long wearing materials.

Lightness, economy and reliability are qualities you will appreciate all the more, because of its remarkable ability and performance.

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Dealers throughout the country are displaying Coach bodies minus top and side coverings—showing frame work and materials. Some have rolled Coaches over on their tops to demonstrate sturdiness of construction. It is a dramatic proof of the first class design and material of the Coach.

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The Sedan-Coach

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Broadcloth upholstery, satin-finish hardware. Door windows and quarter windows adjustable. Both front seats tilt forward, permitting easy access to rear seat from either entrance. Double ventilating windshield, hinged at top and bottom. Large trunk. Yale locks for doors. Heater, windshield wiper, rear vision mirror, disc steel wheels and non-skid cord tires. $1585 f. o. b. Detroit, revenue tax to be added.

The New Sedan-Coach

The finest of design, the highest grade of coachwork—

Seating space so generous that five full-grown persons ride in ease, without crowding—

New heights of power, acceleration and general performance from the wonderful Chalmers Six engine—

Steering and gear-shifting made almost unbelievably easy by the nice refinement of clutch, transmission and steering gear; absolute quiet in the rear axle—

Riding qualities which come measurably closer to the ultimate perfection of smooth ease—

This, in brief, is the new Chalmers Six Sedan-Coach—refined and improved throughout.

Its price is hundreds less than you would expect to pay for such a beautiful body on such a chassis, with such superb performance.

By all means see this new Sedan-Coach. Inspect it with a critical eye. Test its action by any standard you choose to set.

Chalmers Motor Car Company, Detroit, Michigan
Chalmers Motor Company of Canada, Limited, Windsor, Ontario
Among the many interesting rooms in the Interior Decorations Number is this view inside an English cottage.

A<br>OUT eight years ago House & Garden came on the idea of "The Little Portfolio of Good Interiors." It found so much favor among our readers that a few years later we added the "Group of Houses" as a regular feature. With April we are trying a third type of portfolio, this time gardens being shown in a three-page group. Thus the three great subjects to which the magazine is devoted will be presented in a concise and inspiring pictorial form, which should prove an addition to the scrapbook of the home lover. In this next issue will also begin a series of graphic charts on the characteristics of the great furniture periods. This, again, is a feature that can easily lie cut and saved.

But why do we suggest that "Cut-out-and-save" idea? Because we have found that House & Garden readers have developed the habit. We think it a good one and we are trying to make it a magazine that you simply cannot forget. Perhaps the easiest way is to save the entire magazine, advertising and all. Advertising? Yes, that is quite important. In fact, some of the advertising copy is equally as beautiful as the text illustrations. And this is as it should be. Advertising in American class magazines has attained to a high art.

And there is another reason why you should save the advertising pages. The editorial matter naturally awakens an interest in the objects shown. You ask, "How do I do it?" or "Where can I get it?" or "How much does it cost?" The text tells how to do it. The advertising pages and the Information Service tell where it can be had and its cost. This applies to all three subjects—gardening, decorating and building.

First and last House & Garden is a practical magazine. It is deliberately built so that it will assist its readers in the making and maintenance of their homes. No small ideal. That this is a subject of vital interest is proven by the way the circulation of House & Garden has steadily advanced. And that its readers take advantage of its opportunities is again proven by the way advertisers come forward to use its pages as shop windows for the display of their wares.
People express themselves in their possessions. Not by the cost but by the merit of those possessions.

Victrola

Victrola No. 130
$350

Victrola No. 130, electric, $390
Mahogany or oak

Other styles $25 to $1,500

Important: Look for these trade-marks. Under the lid. On the label.

Victor Talking Machine Company, Camden, New Jersey
A certain woman of our acquaintance (a woman of parts) said recently that for past five years she has read herself to sleep each night with the "imitation of Christ" and a seed catalog. This is precisely the balanced reading diet one should have before sleeping—the pious ecstasies of St. Thomas à Kempis tempered by the dream-evoking phrases of Meers, Henderson, Burpee and others. In fact, bed is the proper place in which to read a seed or nursery catalog.

The desirable feature of any bedside book is that it consist of "short pieces." The chapters should not be extensive nor the paragraphs long. Turn to your "imitation of Christ." It is a series of miniature chapters and the subject is constantly changing. Take up any seed or nursery catalog—it is the same. "I would rather feel consecration than know its definition." Thus St. Thomas à Kempis... "The Campanula are easily grown, and make a wonderful show during the latter part of May and early June." Thus Mr. Burpee... "It were more just that thou shouldst accuse thyself and excuse thy brother." So says St. Thomas. Having thought on this you learn, from the words of Mr. George Peterson that "Distance is one of the most striking and most showy of the single peonies."

Just as St. Thomas is a book for certain moods, so is the seed catalog. One should not sit down and force oneself to read either. Each is a mental biscuit and is best enjoyed when nibbled. Read a line and think. Read the other line and think again.

In placing Mr. Henderson and his conferences on the same bedside table with St. Thomas, we mean no disrespect to that ancient divine: we have a notion that he would have been glad to have shared their company.

The House & Garden Bulletin Board

ow that the Senate, by refusing an appropriation for the Navy, has put an end to this silly and iniquitous "grant," perhaps Government officials will turn their attention to something still more urgent—Quarantine 37. Perhaps, also, it might do well for the Government to supply with each passport, a copy of the Plant Quarantine regulations. It would give American garden lovers traveling abroad a hint of what they are not permitted to bring into the country. There is an amazing ignorance of this quarantine. Americans go abroad, visit the beautiful nurseries of France, England, Holland and Germany, start to order a shipment of plant material to be sent to their gardens at home—and suddenly discover that this is forbidden. It is a rude awakening. When they return home and ask the reason why, they discover that, among others, the chairman of the Federal Horticultural Board, "the ordinary plant lover is not, as a rule, doing any public service."

The automobile filling station began its existence as a garbage heap, and, like many utilitarian beginnings in this country, there was no attempt to make it attractive to some thrifty countertop seed-seller in towns and cities and along the roads. Although a decided effort to correct this is now evident, a great deal of work still lies ahead. Why is it not possible for our big oil and gasoline companies, in addition to building presentable architectural filling stations themselves, to encourage stimulation and even insist on other agents erecting stations that are pleasing in design? To one that is presentable and attractive you pass half a hundred that are mere shacks.

The landscaping of these stations is another desirable feature. Some attempt has been made to use evergreens, but we would suggest that, unless the station is on a paved and almost dustless street, planting material be chosen for its ability to resist dust and gasoline fumes. In this list would come the sumachs, arborvitae and barberry. Color desirable feature. Some attempt has been made to street plant material be chosen for its ability to

"Tell me what you will do with the title pages?" the bookworm asked. "They're dated," he was told. "I sell 'em to antique furniture makers. They paste 'em in old' bureau drawers and such. Proof positive that the piece is a genuine antique."

This we add to that body of legends regarding "antique" furniture, to the story of the worm-hole maker who died recently in Grand Rapids, to the legend of the machine that makes linen-fold panelling by the mile which dealers later sell by the precious foot.

The literature of faking is very ancient and extensive. One of the Roman authors complained of the fake antiques made in his day. John Evelyn, visiting Italy, in 1654 found imitation furniture factories going full blast. Before the war it was estimated that in Florence alone there were employed in making ancient Italian furniture no less than 10,000 hands. The art of faking even goes back to Egyptian times, for Egyptologists have discovered that it was quite common to rob the royal tombs of their priceless furniture and jewels, supplanting them with cheap imitations. Thus Miss. Polenry and the Colonel's lady both suffer from the disease of "antique" might be added to our synonyms.

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The Idolmakers?" Of the man who made such productions brought higher prices than the origi­

This country, famous for many libraries on specialized subjects to which scholars can go for authoritative and comprehensive work, is singularly lacking in one respect. We have excellent libraries of history books, quite adequate libraries on exploration and geography, on horticulture, on live, on medicine, but we have no one group of books on furniture, decoration and ar­

Richard Le Gallienne, who contributes occa­sionally to House & Garden, is a poet and essayist, among other notable landscaping achievements, is the present design of the Roserie in the Gardens of the Bagatelle in Paris. His model of the villa is considered one of the finest models ever made and is indicative of the high standard of work being sus­tained by the American Academy in Rome. This excellent institution is supported through the generosity of Americans who appreciate the value of study in Italy to young architects, landscape architects, sculptors, painters and musicians. A movement is now on foot to increase its landscape endowment funds.

N. C. Forestier, who writes on the Roserie of L'Hay, is author of "Jardins," a highly creditable, and among other notable landscaping achievements, is the present design of the Roserie in the Gardens of the Bagatelle in Paris. He is now in charge of the Architectural Department of House & Gar­

The other day a bookworm, searching in the shadowy corner of a second-hand shop, un­earthed some early 18th Century books on theology that he thought might prove amusing. But what is that seemed a bit high. "Let me have the title pages," said the book prospect "F. of the price in half?" "But what will you do with the title pages?" the bookworm asked. "They're dated," he was told. "I sell 'em to antique furniture makers. They paste 'em in old' bureau drawers and such. Proof positive that the piece is a genuine antique."

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A Temple to the Rose

A formally treated amphitheater, turfed, and made architecturally delightful by a temple d'Amour and an Ionic, curved colonnade, is the climax point of the Roserie at L'Hay, France, the greatest rose garden in the world.
FROM the heart of Paris the shortest way to reach the beautiful rose gardens of L'Hay is to go through the Orleans Gate. The active and noisy quarters of the Faubourg des Gobelins crossed and the city gate passed, you wind through the quaint streets of Montrouge till you reach the great paved highway linking the City of Light with Orleans and Toulouse.

Soon the rumbling and dusty National Road is left behind and the trip continues along a small road, planted with trees on both sides, which cuts the Bievre Valley and the ancient village of Arcueil—though now it seems much more a city than a village—to climb the Villejuif Hill.

At this point the surroundings present a somewhat rural aspect. Thanks to a military mandate—on account of the proximity of the Hautes Bruyeres fortifications—the erection of country houses, which are usually built about large European cities, has been avoided.

The roadway rounds the western mountainside and offers to the eye real country scenery, well cultivated lines spotted with groups of trees here and there. At the foot of the mountain, occupying a wide opening of the Bievre Valley, a few villas can be distinguished through the green forestry curtain, alternating with the well traced vegetable gardens of Arcueil, Cachan and Bagnieux. Farther away, in the direction of Bourg-la-Reine, the landscape includes the town of Sceaux and the parks of its ancient royal chateau, with the sloped woods of Meudon and Verrieres in the background.

To the right, a large portion of Paris is visible, and high above the distant perspective of the Bois de Boulogne, which seems almost to touch the eminence of Saint-Germain, the Eiffel tower points towards the sky.

This picturesque roadway runs along the Plateau of Villejuif, otherwise called the Plateau of Longboyeau, for about a mile and a quarter, till you reach the village of L'Hay. Two more turns of the road, cosily narrowed...
The central open space of the Roserie, smoothly gravelled, and framed in heavy foliage, is entered through a wide, lattice arch covered with that lovely and familiar climber, White Dorothy Perkins.

Within an enclosure of climbing roses is the long paneled garden devoted to the tea varieties. The beds are neatly bordered with an edging of dwarf box. Beyond is the chalet that is used as a rose museum.

Under an arch of delicate design one passes into the "Roserie de Madame," which is Mme. Graver's favorite garden, and which contains the most coveted roses of today, including such as "Ulrich Brunner," and "Testout!"

The baroque jardiniere, with which the central part of the Roserie is set, is shown above in detail with its unusual base planting of standard roses. The variety used here is named after the wife of the French Premier "Mme. R. Poincare."
March, 1923

by ancient walls, and the Roserie of L'Hay is reached.

The rose gardens of L'Hay, which for the past two centuries have been the vacation grounds of wealthy Parisians, are now the property of Mme. Gravereaux. On the terrace, dominating the lands below, there was formerly a castle called la Tournelle de L'Hay, once owned by the ill-remembered Queen Isabelle, wife of Charles VI of France, and where died, a few years later, the proud and handsome knight Dunois, son of Prince Louis d'Orleans, who fought beside Jeanne d'Arc to deliver the soil of France from the English.

About 1810 the best located portion of the domain became the property of Henri Auguste, appointed goldsmith to Napoleon I, and son and grandson of the goldsmiths of the French kings Louis XV and XVI. It was he who constructed the present mansion over a century ago. Respecting the traditions of the palace, Mme. Gravereaux has framed and placed in the Reception Hall a list bearing the names and titles of its successive owners.

The old familiar fence encloses a pretty, shaded yard. The house, of measured proportions, has the character and design of the villas built in the environs of Paris from the end of the 18th Century to the days of Napoleon I. The gardens form a balcony for this, facing south, and continue the terrace. In the gardens, almost concealed by the foliage, is a dainty Norman chalet, an annex necessary for the comfort of a large family. Towards the right is the beautiful vista of the sunny terrace and to the left, behind the Norman chalet, under the shadow of centenarian trees, several climbing alleys lead to the scented and world famous Roserie.

All sorts of flowery arches and porticoes surround the numerous rose beds. In the midst of these, facing a high semicircle of light wooden framework covered with roses, the calm surface of a pool mirrors the flowers. Low hedges surround it, each one bearing a different variety of roses.

The first two rectangular bushes at the entrance of this large adorned enclosure are, from right to left, "Joseph Guy" and "Redhotte" roses respectively. It is the spot reserved for the prettiest blooms. Here can be admired "Caroline Testout", "Capitaine Christy", "Mme. R. Poincare", "Commander J. Gravereaux", "Candeur Lyonnaise", "Souvenir de Claudius Perrin", etc. The flowers are all of one color.

Many persons of taste prefer the vigorous masses of similar shades of flowers, and this idea is oftentimes a principle in the composition of a whole rose garden. Thus, the many arches, porches, and frames are covered with one distinct variety of roses, and so part of the garden bears all red roses and another part pink, then, further away, placed in a group, the yellow shaded roses, gradually fading until the white ones are reached. This is a beautiful theory indeed, but often—

(Continued on page 100)
The Gardens of
H. W. CROFT
Greenwich, Ct.
James L. Greenleaf
and Ellen Shipman
Landscape Architects

Four pyramidal arborvitae serve as accent points at the intersection of two turfed, forget-me-not bordered paths. Ellen Shipman, landscape architect

A high brick wall, pierced by an attractively designed gateway, forms the background for the herbaceous border. Massed box solidifies the planting

The long lines of the great double herbaceous border are nicely broken by bushes of old boxwood. While down the center of the grass way a flagstone path leads invitingly into the shade of the summer house.
A broad flight of low stone steps, on which hydrangeas in tubs are effectively placed, separates the house terrace from the lawn. Mr. Greenleaf, the landscape architect of part of these grounds and gardens, is the designer of some of the largest estates in the country, and the winner, two years ago, of the Architectural League medal for excellence in landscape architecture. The subsequent splendid work of Miss Shipman on the same estate is being shown at the current exhibition of the Architectural League of New York.

One of the entrance paths to the house was laid between two rows of great elms, a feature of the place which gives it at once an air of age that could otherwise have been attained only in time or at the considerable expense of big tree moving.

One of the most delightful parts of the gardens is the path which leads off from the garden between hedges of formally clipped hemlocks. After the color and brilliance of the herbaceous borders it is a fine note of simplicity. Ellen Shipman, landscape architect.
THE STARS AND FLOWERS

There May Be More Wisdom in The Ancients' Floral Astronomy
Than We of a Material Age Suspect

RICHARD LE GALLIENNE

“O F ALL causes the remotest are stars,” says Robert Burton in “The Anatomy of Melancholy”, that charming old ragbag of romantic learning, in which fascinating nonsense and shrewdly humorous wisdom are thrown together with such wonderful effect. He is discoursing on the possibility of planetary influence on melancholy in general and particularly on the melancholy to which lovers are so notoriously subject. He will not exactly commit himself. “I will not here stand to discuss, obiter,” he says, “whether stars be causes or signs; or to apologize for judicial astrology”; but it is evident that his is not that wholesale scepticism which “will attribute no virtue at all to the heavens, or to sun or moon, more than he doth to their signs at an inn-keeper’s post, or tradesman’s shop.”

One gathers that he is inclined to the opinion that there may well be “something in it”, and his open-mindedness on the question is one of which some scholars and even men of science not given to credulity have retained up to the present day; even so sound a scholar and humanist as Dr. Richard Jarnett, for instance, who was convinced that astrology has a foundation of truth. Indeed, so many such “dreams at the dawning of philosophy” have of late been proved to have an essence of scientific truth that we may well pause before dismissing them to the lumber-room of superstition.

HERE is one important virtue to be urged in favor of such old “pseudo”-sciences: they preserved that proper attitude of awe and wonder before the mysterious phenomena of the universe, which we are in danger of losing by our familiar everyday acceptance of them. As Carlyle said, we live too much at ease in the midst of wonder and terror, “in the centre of Immensities, in the conflux of Eternities.” For example, when a few weeks ago M. Marconi was able for the first time in the history of the world to talk by wireless telephone between England and America, how calmly we took the astounding news! We have supposed so full of scientific wonders that we took it for granted; and thus the more marvellous the Universe is demonstrated to be, the less sensitive we are becoming to its marvel. Instead of further spiritualising us, it seems in danger of doing the precise opposite. Our only interest in each new scientific discovery, each new advance towards the “Unknownable”, seems to be to what materialistic “business” uses may we apply it. We have taken Emerson’s counsel to hitch our wagon to a star in a quite different way from what he meant by it, and we act as though the only use of the stars, of the celestial forces, was in the propulsion of our earthly wagons.

THE old “superstitious” attitude was essentially finer, and tended to our thinking more “nobly of the soul.” According to astrology, not only human life, but all the physical life of the earth was influenced by the stars. “Colours, metals, stones, plants, and animal life of all kinds were associated with the planets and placed under their tutelage”, and thus all existence was “bound with gold chains about the feet of God”. Nothing was isolated in the universe, but all created things were interdependent.

“Detached, separated,” again cries out Carlyle, in his inspiring mysticism, “I say there is no such separation: nothing hitherto was ever stranded, cast aside, but all, were it only a withered leaf, works together with all.” Recent scientific discovery tends to corroborate this mystical attitude, but all too many of the “professed enemies to Wonder” continue to regard the most stupendous and mysterious facts of the universe as cold scientific facts and no more. The stars are just stars.

A S A correction to this prosaic attitude,—an attitude which, in leaving out the element of mystery that remains and must ever remain in “physical” life, however closely we may track some of its processes, leaves out the most important fact of all,—it is far from unprofitable for the modern botanist and flower lover to dip occasionally, if only for amusement, into the writings of those old “herbalists” who linked their botany with astrology, and who held that there is a connection between stars and flowers. There would seem to be more than poetical imagery in Longfellow’s beautiful lines:

“Silently, one by one, in the infinite meadows of heaven,
Blossom’d the lovely stars, the forget-me-nots of the angels.”

A MONG herbalists, Nicholas Culpeper was, even in his own day (1649), regarded as something of a quack, but he was not alone in regarding the virtues of certain herbs as operative through the influences of the stars. His business was to consider them as curatives of disease, and he declared that “he that would know the reason for the operation of the herbs must look up as high as the stars”—a remark capable of profound and inspiring interpretation. And he continues, “it is essential to find out what planet has caused the disease and then by what planet the afflicted part of the body is governed. In the treatment of the disease the influence of the planet must be opposed by herbs under the influence of another planet, or in some cases by sympathy, that is each planet curing its own disease.” “Plants must always be picked according to the planet that is in ascendancy.”

Culpeper, of course, was only echoing a very ancient belief in the efficacy of planetary influence, beneficial or maleficent, on the various potencies latent in herbs and flowers.

Shakespeare is rich in references to this magical lore. “In such a night, Medea gathered the enchanted herbs that did renew old Aeson,” one recalls from the loveliest of all moon-drenched passages in “The Merchant of Venice”, and “the slips of yew”, it will be remembered, blended in the hell-broth of Macheth’s witches were “silvered in the moon’s eclipse”.

Miss Eleanor Sinclair Rohde, in her fascinating book on “The (Continued on page 102)
A GARDEN OF TRANQUIL DELIGHTS

Heavily framed in the foliage of deciduous shrubs and broad-leaved evergreens, the lily pool in the garden of H. W. Croft, at Greenwich, Ct., has a deep and quiet charm. Beyond the pool stone steps, guarded by a pair of tall, clipped evergreens, connect two terraces and climb easily to a well designed arbor overlooking the scene. Ellen Shipman was the landscape architect.
Of all the sights of early spring none seem able somehow to equal in pure splendor that of the flowering trees, whose branches are crowded with blooms in pink and white, often sweetly scented.

Very few of the ornamental shrubs, even the heavy laden spireas and forsythias, compare with such a tree as this white clustered Mazzard cherry, prunus avium, whose blossoms precede its leaves.

The blossoms of this small-growing flowering crab, pyrus Scheideckeri, open early in May; are large, double, and tinged with pink.

Pears, too, are members of the polymorphous genus of pyrus. This one, snow pear, p. sinaica, has April blossoms of purest white.

Said to be a hybrid of the common pear and the white beam tree is this flowering pear, pyrus auriculata, blossoming white in May.
A STUDY in EARLY FLOWERING TREES

Not unlike snowy puffs of pop-corn the pure white blossoms of the Japanese flowering cherry appear in late April in clusters of from three to five blooms achieving quickly a thrilling beauty.

The blooms of this small spiny tree, Pyrus cerasifolia, a variety of the snow pear, cluster along the bare branches toward late April.

The Japanese cherries, like most of the flowering trees, may be used for their masses of spring color on the lawn, to guard a gateway, to frame an arbor, or to border a long and narrow garden path.

One of the best effects to be got with the white flowering trees is the color repetition they make with the house’s white painted trim.

In Japan the little fruits of the dwarf flowering crab, Pyrus sieboldi, are gathered after frost and preserved. The flowers are a faint blush.
"Three Barns", at Silvermine, Connecticut, the studio home of Mr. and Mrs. John Kenneth Byard, was ingeniously contrived from three old barns, in a manner both picturesque and habitable. The massive chimney of local fieldstone connects two of the barn structures, and aids the architectural composition of the group. John V. Van Pelt was architect of the alterations.

A glimpse through one of the barnyard gates in the stone wall surrounding the studio grounds. The great stone chimney rising behind the simple lines of the barn structure, creates a picture of domesticity achieved without any architectural effort.

One of the charms that make "Three Barns" consistently picturesque is the old wooden barnyard gate opening from the road to the forecourt. White lattices against the red siding add incident, and will aid climbing vines to soften the walls.
RESTORING old houses and remodeling barns into charming homes without loss of their original character has become a fascinating game for architects. It has been done exceedingly well many times, but perhaps never more effectively than in "Three Barns", the studio home of Mr. and Mrs. John Kenneth Byard at Silvermine, Connecticut. Here is one of those happy architectural inspirations that now and again delight the lover of the picturesque. In this case, it is the renaissance of a primitive farm group to meet the demands of modern living without the loss of its personality.

The old red barn, so familiar a sight in rural New England fifty or a hundred years ago, is seldom seen now. In these prosaic times, then, to catch a glimpse among the Connecticut hills of a quaint gambrel-roofed structure, with its flare of rich color and other unmistakeable signs of its ancient lineage, affords the experience-hunter a thrill of real pleasure. And to discover further that the old relic of Colonial days has been remodeled to present day uses, though still retaining the earmarks of age and the homespun aspect of its traditional calling, is of sufficient interest to make an impression upon even the lay mind.

Built close to the old country road, as was the custom in Colonial days, and near a lively little stream from which the settlement takes its name, "Three Barns" consisted originally of a trio of weathered and time-worn buildings of which the gambrel-roofed barn was the important feature. A carriage shed adjoining and a smaller addition in shape of an "L" formed a courtyard. Entrance to this is effected through a typical and highly picturesque barn gate.

(Continued on page 98)
Fifty Good Flowering Shrubs for the Garden

Richard H. Pratt

Shrubs seem to contain in a nice degree the qualities both of trees and flowers. They have body as well as bloom. It is possible to make a garden altogether of flowering shrubs, and it is likewise possible to create with them effective shade and shelter. In fact, no other type of plant is quite as versatile.

Among their endless varieties there are kinds for almost every purpose in the planting of the grounds and garden. They may be used in masses to soften the angles between the house and its site, to fill in the harsh corners of the lawn, to bank against the curves of walks and drives, to cover slopes and to form enclosures. Used individually they are every bit as valuable, whether they serve as spots of brilliant color or as accents at important points.

The shrub family is so extensive and various that the compilation of a representative list of 50, together with the classifying of the purposes to which this 50 might be put, could not possibly be accomplished in a short article. Therefore, the broad-

evergreen branch of the family, with its rhododendrons, laurel, azaleas, fetterbush, and Japanese hollies, will be eliminated. The shrubby roses will be ignored. Small trees that are loosely called shrubs will be admitted only in a few pressing cases. What remains is still, of course, a stupendous group.

Fifty typical varieties will be described and, in order to make the list more valuable and useful, the shrubs will be grouped into five different classes: those which are most suitable for heavy masses, such as the outside frame of the garden; those which are especially fitted for covering slopes; those which, because of their somewhat herbaceous appearance, may be used in the borders among the perennials and annuals, and finally those which, because of their beauty of form and color, can be placed as accents in the garden.

Shrubs for Massing

Service-berry, Amelanchier canadensis, known more generally as shadbush, is a splendid shrub to use outside a garden that is set in a woody situation, for it attains eventually a considerable height (sometimes as much as 30') and its loose habit of growth gives it the proper character for surroundings of that sort. In the Spring it is covered with a mass of white flowers in short racemes, and in the late Summer or early Fall its branches are hung with a hornbeam hedge for a background, with banks of bridalwreath and bush honeysuckle on either side, and deutzia gracilis in the borders, this garden shows the importance of shrubs in the planting scheme. Clarence Fosler landscape architect
Two of the viburnums, varieties dentatum and tennesseanum plenum, are used effectively at the entrance to this garden. Ruth Dean was the landscape architect.

If it is possible to plant it in a slightly moist situation it will respond gratefully.

Flame-colored azalea, as azalea lutea is called in the catalogs, is really rhododendron calendulaceum. It is suggested here for the outside frame of the garden, and for similar shrubbery masses, because of the exciting splash it makes in May and June with the burning dazzle of its red-orange-yellow blossoms.

Shrubbery masses are apt to become a little too sedate. They need such a colorful insurgent among them as this. Under favorable conditions it will attain a height of 10'. It is well to count on from 4' to maybe 7'. It is effective to have balancing groups of this flaming plant on either side of the garden. Keep it away from the pinkish purple of the Judas tree, for it will be bound to clash.

(Continued on page 148)
A VILLA OF THE ITALIAN RENAISSANCE

The Villa Caprarola and Its Tradition Afford a Remarkable Study of Italian Gardening in a Classical Era

RALPH E. GRISWOLD

It is rare that one finds a garden unit as well adapted to its special purpose and situation as the Upper Garden of the Farnese Villa at Caprarola. Complete in itself, it is the most unique part of the great Villa Caprarola, the stupendous dream of an ambitious Cardinal and one of the finest villas of the Italian Renaissance.

The Cardinal, Alessandro Farnese, because of his delicate health was advised by the doctors of his uncle, Pope Paul the Third, to rest for a time in the quiet and invigorating air of Monte Cimini where "there were the best hygienic conditions, the purest of air, a picturesque horizon, a delicious freshness and enchanting silence, broken only by the songs of birds and the chatter of industrious peasants. Such a fortunate retreat was found in the town of Caprarola, about seventy-five kilometers north of Rome. Here for a time the Cardinal established himself in the Palazzetto della Cancelleria. But since these accommodations could not satisfy, even for a brief time, the taste of so magnificent a Cardinal, the great architect Vignola and the famous brothers Zuccari were called to collaborate in the creation of a palace, which, to use the Cardinal's own words, "Should stupefy the world!"

It was a time when colossal villas were being erected on the Alban and Sabine slopes and in the close vicinity of Rome. There was no question of what style or period to adopt; it remained for the architect to apply what he could from the classic tradition to his immediate problem.

Thus the precarious health of a great Cardinal gave occasion for the creation of one of the greatest masterpieces of palatial architecture and gardening. The palace was begun in 1547 and in 1559 it was complete.

After the death of Alessandro, in 1592,
the Villa was left to Cardinal Odoardo Farnese, a very serene and accomplished man, the last of the Farneses to be worthy of the distinction given that great name by his predecessors. Shortly after Odoardo came into possession, he built what is known as the Casino and Upper Garden, an entirely separate garden unit undoubtedly designed by Vignola but not constructed until many years after his death. The exact date of this construction is uncertain but without doubt it was completed about seventy years after the construction of the main palace. The retiring character of Odoardo may give some clue to the function of this Casino and its gardens which was termed by a contemporary writer a “Villa Deliziosa”. It is more than probable that the Cardinal, tired of the confusion and strenuous life of the main palace retired here to be surrounded only by his most beautiful gardens and closest friends. The reason for building this additional garden with no architectural connection with the main palace and gardens, is an unsolved problem and one of little importance to

(Continued on page 92)
THE BIRD-AND-FLOWER PAINTINGS of CHINA

GARDNER TEALL

While the Western world has, for many years, utilized the Chinese Bird-and-Flower paintings in decoration and has adopted and adapted many of the Hua niao motifs in design, a fuller enjoyment of this Oriental art group is only possible through a more intimate knowledge of the subject than is conveyed to us by the mere external appeal of the aesthetic qualities in these Bird-and-Flower paintings of China. Birds and flowers evoke in the Chinese mind and heart a romantic sentiment with which, in European art, only feminine beauty is in any way to be put in comparison.

A bird-and-flower painting by an unknown member of the Imperial Academy, dating from 960—1368 A. D.

A Chinese bird-and-flower painting by a member of the Imperial Academy of the Sung or Yuan Dynasty

“Hibiscus and Egret”, by Chao Meng Chao Tyze Ku, one of the bird-and-flower painters of the Sung period

“Quails” by Ai Hsiian of the Sung Dynasty, painted about 1070 A. D. Ai Hsiian specialized in painting quails.

Of the Chinese Bird-and-Flower paintings Petrucci has the following to say: “The Chinese gave rein to their fancy in painting the bird in conjunction with the plant life associated with its home and habits. The bird is treated with a full understanding of its life, and flowers are studied with such a comprehension of the essential structure that a botanist could readily detect the characteristics typical of species, despite the simplifications with which an artist always imposes on the complex forms. This general class is subdivided: The epidendrum, the iris, the orchid...” (Continued on page 130)
The photographs in the Portfolio this month are of the home of Mrs. Theodore A. Havemeyer at Brookville, Long Island. The picture above shows a balanced arrangement of furniture at the fireplace end of a morning room. Although the walls are neutral in tone, bright chintz hangings and Chinese rugs provide plenty of color. Schmitt Bros., decorators.

Where there is enough space a hall may be furnished as a small reception room with a comfortable sofa, small tables, chairs and an occasional lamp. In this case plain neutral toned walls make an excellent background for delicate 18th Century English furniture, colorful flowered chintz and taffeta and a decorative architectural painting that is very well placed.
The dining room is entirely paneled in old pine. The chairs are Queen Anne with seats done in old needlepoint and a leather screen of the same period has a design of garden flowers.

Charming old furniture finds a fortunate setting in this gay little living room with its sandy colored walls, profusion of flowers and long hangings of flowered chintz.

Schmitt Bros., decorators
At night Waterford candelabra on either side of the fireplace throw soft light on the mellow pine walls and blend the blues and browns of the chintz with the rug's yellows and blues.

An interesting combination is side walls painted blue-green with bookcases and paneling of old pine at either end of the library. The hangings are of prune colored chintz and the rug Chinese.
A SHADED CITY GARDEN IN LONDON

The Town Garden of Lady Sackville Is a Beautiful Example of What Can Be Done in a Restricted Area

MINGA POPE DURYEA

The approach to any city garden from the house should be made by degrees. A porch, a terrace or a garden room should mark the transition. In order to do this, this terrace or garden room should carry in its decorations some suggestion of the garden that lies immediately without.

This phase of city gardening is beautifully illustrated by the house and garden of Lady Sackville in London. It is the old Elshary mansion, built toward the end of the 17th Century and its Georgian lines have long made it known architecturally. Carved and paneled rooms of the period are found here and the house is filled with the rarest of objets d'art. But with the garden room and the garden we alone are concerned. As will be seen by the illustrations on the opposite page, the floral motif is found constantly in the decoration—in the surround of the fireplace, in the overmantel panel and in the priceless Aubusson tapestry screens, which originally came from Bagatelle. These suggestions help make the passage from the house to the garden less abrupt.

One of the windows, which looks out on a rather uninteresting glimpse, has been filled with shelves that hold some of Lady Sackville's collection of colored glass. This, of course, is the ideal way in which to show glass and, incidentally, softens a view that would otherwise be not so pleasant.

From the garden room one passes out to a flagged terrace—and the garden lies ahead. Although the garden really occupies only a small area, a greater sense of space is given it because of the way an adjoining property cuts into it. Thus the garden might be said to consist of three parts—the terrace immediately by the house, the long walk and the sheltered terminal with its garden furniture. All the walks are paved with stone.

The transition from the house to the garden is actually made through a latticed terrace. This lattice design is carried along one side of the wall, surmounting a fence. Trees are planted at regular intervals down the long walls, and these, together with the fence and adjoining building, make the garden quite a shady spot. While the major part of the planting is permanent, of course, much color is found in potted plants set in stone jars along the long walls and in vases and urns on the terrace. Geraniums are principally used for this purpose.

Because of its shady aspect the garden can only be planted to shade-loving mate-

\[\text{At the end of the garden under glass canopy is grouped iron furniture and Dresden lemon trees.}\]

\[\text{The garden view directly facing the group opposite is this glimpse of cross paths and flower-filled urns.}\]

\[\text{The long walk is lined with trees. At regular intervals stand stone jars with colorful geraniums. Flower borders fill up the side spaces.}\]
I I. V. Iracii

Directly off the garden terrace is this room, which has a floral motif in its decoration, making a pleasant transition from house to garden. The walls are covered with wisteria, woodbine and ivy. In the beds are found rhododendrons, laurel, hawthorn and castor oil plant, the last an ideal annual for shaded city gardens not only because it will thrive but because of its generous foliage. In addition to these are found, scattered in the beds, yellow day lilies, lemon yellow, deep yellow and flame colored snapdragons, blue hydrangeas (another ideal city garden plant) annual larkspur, delphinium, dwarf fuchsia, blue violas, phlox, zinnias, lilium speciosum, and calceolaria.

The shelter at the end of the long walk is one of the most interesting features of the garden. Here a space against the rear wall is covered with a section of glass roofing, making it habitable even in rainy weather. Under this glass canopy has been placed a grouping of delightful garden furniture. On either side of the iron bench stands a Dresden chintz lemon tree in a decorated pot. They are beautiful examples, the china leaves, blossoms and fruits being so perfectly executed that at first glance they seem real. On the wall above hangs an old picture of a cottage bowered in flowers; this also is of china. The lamp is Lowestoft and hangs from a wrought iron bracket. Here is an ideal corner for tea or for a quiet moment. We can recommend the glass canopy as a feature to copy in American city gardens. This entire garden is worth studying for the simplicity of its treatment and the great amount of interest that has been created in a small space.

While most of our city gardens are square or oblong areas, some of us may be so fortunate as to own an irregular lot. On such, as in this garden, a sense of vista can be given by creating a straight, unbroken walk; diversity of interest will be found in making such a little shelter as explained above. As for the flowers that will grow, you will have to experiment.
Even the simplest of morning rooms should have a fireplace with the furniture grouped in the livable manner of the room above. The small chintz-covered sofa and hooked rug contrast pleasingly with the plain curtains, solid color carpet and overstuffed chair.

For color contrast it is sometimes advisable to introduce a painted piece of furniture into a room. The graceful secretary below is soft greenish-blue, affording a charming contrast to the yellow-pink walls. The old chairs and tables in the room are made of walnut.

The walls of the little morning room shown in the sketch at the left are done in a flowered paper, the design copied from an old Chinese Chippendale pattern. Particularly effective against this cool green background are the wall urns filled with trailing ivy.

The photograph below shows the bay window end of a morning room, a delightful spot to breakfast in. The curtains are deep greenish blue, the walls yellow-pink. Flowered chintz provides other color notes. Diane Tate and Marian Hall, Inc., Decorators.
THE Morning Room! Surely a room never had a more delightful name. At once you think of an informal, intimate sort of room in a country house, one with the sun pouring in through wide windows, many bowls of flowers, pots of growing plants, a low comfortable sofa, usually covered in gay chintz, convenient little tables, many, many books, and over all an air of intimacy and charm.

Effective as your living room may be, it probably has to be shared with a good many people and there is never a great feeling of privacy in it. For this reason, when you are planning your house or doing it over, whether it be in the city or country, pick out a room that is not very large and one that will have the morning sun streaming in, and make it into a delightful morning room. There is no other room that has such a pleasant combination of uses. First of all, you start your day by breakfasting in it, which is a pleasant middle course between breakfasting in bed and breakfasting in the dining room. It is a quiet place to write or read without being interrupted and a delightful place to have tea when you are tired and want to be alone.

We have stolen the idea of the morning room from the English who know so well how to live comfortably and easily. Practically every English house contains a room of this kind, an interior quite different in feeling from the dignified living room; one in which there is a certain informality and evidence of the owners tastes and interests, a room with a lightness of touch in its decoration, a sense of gaiety.

The room we have photographed on the opposite page is a good illustration of this for it is decidedly English in feeling in spite of a few Italian chairs, the American hook rug and needlework cushion. A morning room to be really successful must be intimate, very formal and rather gay. For this reason when you go about furnishing it, you can mix the nationalities of your things if you wish, especially if they were made about the same time and have the same sort of feeling.

This room is in a New York apartment on a corner. It is fortunate in having a bay window, for the sun streams in all day. Because of this it makes a delightful spot to breakfast in, so we used a quaint old-fashioned table with a barrel chair, low and chintz covered, next to it where one can sit comfortably and read one's morning paper and mail.

The walls here are a yellow pink, the color the villagers in Sussex paint the outside of their houses. It makes a flattering background for any wood and harmonizes with almost any color you could choose for curtains and furniture. The curtains in this room are peculiarly effective and a delight to the touch of the fingers as you move them against the softly colored walls. They are a deep greenish-blue, trimmed with box pleating one and one-half inches wide, the pleating faced with pink the color of the walls. The overstuffed chair by the fireside is rather a dead, plum color to make a contrast to the colorful walls and curtains. The tone chosen for the lamp shades was salmon pink. Those on a pair of lamps on the Queen Anne tables were made of gauze, trimmed with tiny ruffles. A larger shade on the lamp on the book table is of pleated linen the same tone. The effect of a room is more restful and harmonious if the lights are all one color. Practically all the furniture in this room is walnut. A charming contrasting note of color is provided by the graceful secretary which is painted a soft greenish blue. One piece of furniture of this kind rather keys up a room, gives it snap and individuality and is especially effective in an informal type of interior.

The quaint barrel chair provides another interesting note for it is covered in an old chintz, different in design from the one used on the sofa. The background is rather a dead, plum color with the pattern in lovely soft and faded tones that in no way conflict with the design of the other chintz.

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Lamps and shades are such an important part of a room that they should be studied quite as carefully as the hangings or upholstery. Because there was so much color in this room we thought cool, white alabaster lamps would be effective and in charming contrast to the colorful walls and curtains. The tone chosen for the lamp shades was salmon pink. Those on a pair of lamps on the Queen Anne tables were made of gauze, trimmed with tiny ruffles. A larger shade on the lamp on the book table is of pleated linen the same tone. The effect of a room is more restful and harmonious if the lights are all one color. Practically all the furniture in this room is walnut. A charming contrasting note of color is provided by the graceful secretary which is painted a soft greenish blue. One piece of furniture of this kind rather keys up a room, gives it snap and individuality and is especially effective in an informal type of interior.

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This bit of old stuff helps enormously in giving the room distinction and is especially effective against the soft, gun metal colored carpet.

Needless to say you must have a fire place if possible in a morning room for a blazing fire adds immeasurably to the intimacy of the tea hour and it is difficult to make any room really cheerful and comfortable without one. Finally, flowers, almost more than anything else, go far towards softening and giving a room of this kind charm. To us they seem almost indispensable.

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RELATING THE HOUSE TO ITS SITE

True Relationship Comes from an Appreciation of the Importance of the Profile of the House

MATLACK PRICE

HAPPY relationships of house and site do not come ready-made. They are the result of someone's careful thought and study—of the owner's or the architect's, or of both in an intelligent meeting of minds. Too many builders start the house impatiently, or without due consideration of the site until it is too late. Not a few seek to impose on an unwilling site a preconceived choice of a certain kind of house, quite unsuitable, and wonder, afterward, what is the matter.

Most people are definitely conscious of the effect of a house that is well-related to its site, although the actual relationship eludes them and leaves them only with the feeling that there must be some inherent architectural magic in the house itself.

If all building sites were alike, and all possible houses were alike, it would be simple enough to evolve a formula, and a formula, unfortunately, is what a great many people seem to want. It harks worry over doing the wrong thing—if you have enough faith in the formula. Fortunately the matter is not so simple, because even a broad grouping of kinds of site would show a great variety, which, in combination with the also great variety of kinds of house, with all minor variations in both site and house taken into consideration, would result in a number of relationships to be computed only by higher mathematics. I believe they call it "permutations and combinations", and a good hand at it can show you several thousand combinations evolved from four or five elements.

Varied as are the possibilities in relationships of house and site, however, the matter is not impossibly complicated, and, like many other things, is fairly soluble by means of simple intelligence.

Eight sketch illustrations were made for this article, not with any brash thought of thus portraying all the possible building sites imaginable, but rather with the intention of isolating this small number for

(Continued on page 140)
Variegated face brick gives a pleasant texture to the walls of this English cottage. Thatch makes a very picturesque roofing.

A large kitchen is an English feature on the plans. A dining recess adds to the size of the living-room. Upstairs are four chambers.

The entrance is accented by a thatched hood. In this country the thatch would be approximated in appearance with shingles, for the craft is rarely practiced. The shape of the dormers is peculiarly attractive.

A GROUP of THREE HOUSES—
in ENGLAND, IN ILLINOIS AND CALIFORNIA
This California hillside bungalow is very unlike the kind of thing we are used to seeing in motion pictures. Its exterior aspect, in fact, is somewhat reminiscent of a South African farmhouse, and there is a fine simplicity in the treatment. Henry H. Gutterson, architect.

The plan of this bungalow is certainly not typical in its application to general use. Between the two levels of the entrance hall and hall a rail would have been more attractive than a partition, and the breakfast room seems to place the dining room quite a distance from the kitchen.
Far away from its New England habitat, the home of W. S. Carlisle, Indian Hill, Ill., has developed several interesting variations in its exterior and in its carefully studied plan. Two distinctly New England features are the absence of a front porch, and the carrying of the shingled siding down to the ground level. Two well-managed latter day departures from the old prototype are the "motor room", with its attractive overhang, supported by plain square posts, and the loggia porch at the left, which, in the photograph, is hidden by the corner of the house.

The second floor plan shows an economical plan, in which every inch of available space has been utilized. Three baths and four bedrooms are provided, together with no small number of closets.

An interesting feature of the first floor is the minimizing of the hall. The disposition of the kitchen, however, is unusual, and the "motor room" an admirable solution of the usual garage problem.
In Sutton Place, New York City, each house has its own terrace separated from the others by a hedge or wall, and each is treated differently. The two houses shown here belong, on the left, to Miss Elizabeth Marbury and Miss Elsie de Wolfe, and, on the right side, to Miss Isabelle Camman. Mrs. Vanderbilt’s house is at the end of the Sutton Place group. A high wall protects it from the street. As it is higher than the other properties, a balcony is hung along the wall, with steps leading down to the common garden. Molt B. Schmidt was architect of the development.

Even where the backyards of only two or three city houses are thrown together quite an interesting community garden can be made. The two shown here are, on the left, part of the garden of Mrs. H. II. Duryea, and that on the left, Mrs. Lawrence Keene. The varying levels and use of pottery and sculpture give it interest.
COMMUNITY GARDENS

By Pooling Garden Space a Group of Property Owners in Town Can Create a Large and Interesting Garden Area

MARY WHITTON

A COMMUNITY garden should be everything the name implies—a garden shared by many. It may be an entire block, where two rows of buildings and their backyards back up against one another, as in New York and in London, in fact, any city of the world. We quote these two cities as examples, because New York is furthering this movement and encouraging it, and London because it took up this question many years before America seemed to think it vitally important.

Such community block gardens are logical outgrowths of the remodeling of town houses. A syndicate or group of private owners gain possession of a city block, remodel the houses and pool their garden interests by removing all back fences, making an open area that can be enjoyed by all and in which the children can play in safety far from the dangers of street traffic. Or it may be that two or three property owners buying and remodeling houses in a group may make a small community garden by the same process. Each of these developments brings up a number of problems in treatment and offers a fascinating variety of solutions.

The first problem is one of varying levels, where the land on one side of the block is higher than that on the other. In the Turtle Bay development in New York City shown in House & Garden, January, 1921, there was quite a difference in levels, but this only aided the architects, Lawrence Bottomley and Clarence Dean, in the creation of an interesting and unusual Italian treatment. In fact, varying levels often lead to a more picturesque solution of the problem, than if the level was the same. It also affords the individual property owner an opportunity to make his entrance to the garden in a manner different from his neighbor.

Again, there is the irregular space to be considered, composed of only two or three gardens, embracing a community idea. In some instances only two lots or backyards are combined. An example of a double garden is found in those of Mrs. H. H. Duryea and (Continued on page 92)

Quite a formal treatment of steps and balcony are given the rear of Mrs. Lorillard Comman's house, in Sutton Place. A low iron fence closes in the terrace

In Garing Court, London, the rear of the houses have been developed into garden rooms and garden roof terraces. Shrubbery is planted around the court
A ll gardeners know the value of soil preparation so well that they go about it rather intuitively and seem to know just how much to allow for it in the budgeting of garden-making. At least they can never be too enthusiastic upon the subject, and I suppose that once you have trenched a border with your own hands, you are apt to become a devotee for life to sufficient soil preparation. It is a question, however, just how one can impress the novice who knows very little or nothing of gardening and garden-making so that he will be willing and eager to spend money and labor, too, upon that which seems stored away in the earth like a hidden treasure.

Someone has said that it is better to spend a dollar on a hole and ten cents on a plant for it, than to spend a dollar on the plant and only ten cents for the hole. Such exaggeration is valuable for its very emphasis and we cannot over-emphasize the value of soil preparation in the ultimate beauty of a plant and in the final success of a garden. We all know, however, that such statements must be tempered by existing conditions. It is surprising, for instance, that the interesting growth on the sand dunes of Long Island, all the bayberry and scrub oak, beach plum and pitch pine, so characteristic of the location, is growing in a very few inches of soil—sometimes in not more than 2". It must be remembered, however, that in such extreme cases the plants are used to that condition actually from birth and that such growth is composed of certain plants especially adapted to such situations, and therefore characteristic of them. The problem of garden-making and gardening for more or less ornamental or decorative purposes for the surroundings of our houses is a different one and requires intensive soil preparation.

**Rules and regulations cannot be followed blindly and generalizations are of little value without adapting them to existing conditions. A knowledge of the usual soil condition and character of your neighborhood is of first importance. Roughly, we can divide the eastern half of our country as follows:**

- The soil of the Central Valley—our mid-western states—is generally a heavy clay, rich in lime. That of our Appalachian range is part clay, part limestone. The Hudson valley and much of New England is a glacial till, a mixed soil of clay and sand and gravel which is good. Long Island, much of New Jersey, much of Virginia, sections of New England, such as Cape Cod and Nantucket, are light sandy soils which, with some extreme cases excepted, is excellent for gardening.

There are exceptions, of course, to such a very general statement of subdivisions but they are helpful in determining the usual character of the soil of your neighborhood.

The ideal soil is a rich sandy soil—what is sometimes called a black loam. The ideal soil is not merely a fertile one; it is one that drains easily and one that is friable. It is our problem, then, to neutralize our own existing conditions so that they will approach as near as possible this ideal.

**The matter of drainage is of first importance.** Clay soils are too retentive of water, while in soils that are too sandy the water, and with it the soluble plant food, seeps away too easily. Clay soils are too sticky to work when wet, and crack and bake and become cloddy when dry. Do not mistake a sandy soil for clay, however, if it seems a bit sticky at times. You can tell a clay soil by rubbing a bit between your fingers. A clay soil is very smooth for it is made up of very fine particles while any bit of sand-papery feeling will show the presence of sand.

Clay soils are improved by drainage. On large areas tile drainage is necessary, in some garden borders a layer of broken stone at the bottom of the trench is enough. Sandy soils do not require this at all. Clay soils are improved by deep cultivation. Spading is done in garden borders, ploughing in large areas. The ground should be worked over deep enough to break through the hardpan. And at this point it might be well to emphasize the necessity of using good tools for the proper soil preparation. Hardpan is a layer of hard infertile material just below the soil. This means usually digging to the depth of two feet. This working of the soil helps to drain the land and to make the soil open and friable. It is good to leave such ground rough until ready for planting and if it is possible to do the preparation in the fall for spring planting this additional time in which the action of the weather can do its work of breaking up the hard soil is of value. Sandy soils do not need and are not benefited by deep cultivation. The nutritious part of this soil is often not more than eight or twelve inches in depth and the subsoil, which is often a red loam without nourishment, can be left as it is because it drains well enough and, acting at the same time as a kind of barrier between the good soil above it and the sand below, prevents too much drainage. In too sandy soils the water and the plant food tends to leach through and be lost. Plants find a foothold in this subsoil, but it is the fibrous roots which stay near the surface that are of real value.

Heavy clay soils can be loosened and lightened by mixing in humus or manure and sand. Occasionally clay soils require lime. Its need can be determined by a litmus test. Sandy soils are improved by humus or manure and lime. The lime reacts against any sourness in the soil, the humus gives it nourishment and body and good texture.

It is very difficult to pin down anyone to definite quantities, mainly because no two problems present identical conditions. My authority gives three and a half tons of lime and six to eight tons of manure to the acre as a minimum for sandy soils. For clay soils the proportion of manure should be increased to ten tons minimum. For soils of average fertility four tons of manure and a half ton of lime per acre ought to make a good garden. An ordinary one-and-a-quarter yard load of manure weighs about a ton when rotted. The same amount of fresh manure with any considerable quantity of straw in it weighs as little as a half a ton or even less.

Oil food is a necessary ingredient in the preparation of soil for planting. All plant food, humus, manure, leaf mold, etc., are not only valuable as food but they make the soil mellow, porous, friable, easy to work. The more thoroughly mixed and pulverized it is the better. Commercial fertilizers have no such effect and are useful merely as foods and stimulants after the planting has been done. Their value in soil preparation is negligible.

The first landscape problem that I ever worked upon was a veritable eye-opener for the effects of soil economy upon plant starvation. It was, of course, an extreme case. The house was built upon land that was made of salt sand that had been pumped in over marshes to raise the level of the land above the high tide line. Soil was scarce and expensive to buy and to haul. Certain important sections of the place, especially around the front of the house and the garden path, were covered with a foot and a half of good soil. If you have any conception of the little soil there is in a load you may appreciate what it would have meant to cover the entire acre or two with soil of sufficient depth. In this foot and a half of good soil plants with...
ANNUALS AND PERENNIALS

<table>
<thead>
<tr>
<th>COMMON NAME</th>
<th>BOTANICAL NAME</th>
<th>COLOR</th>
<th>SEASON OF BLOOM</th>
<th>DIRECTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brownlow</td>
<td>Anemone blanda</td>
<td>Blue, white, red</td>
<td>June to Oct.</td>
<td>Sow seed in warm soil, thin to 6&quot; apart. By seed or divisions in rich, sandy soil.</td>
</tr>
<tr>
<td>Polyanthus</td>
<td>Primula veris</td>
<td>Various</td>
<td>May to June</td>
<td>Sow seeds lightly into soil, thin to 4&quot; apart. By seed, cutting, or divisions; dry; sunny.</td>
</tr>
<tr>
<td>Cornwall</td>
<td>Delphinium elatum</td>
<td>Various</td>
<td>May to July</td>
<td>By seed in Spring, or division; dry; sunny.</td>
</tr>
<tr>
<td>Heuchera</td>
<td>Heuchera sanguinea</td>
<td>White</td>
<td>June to Nov.</td>
<td>By seed by Spring, or in Sept.; moist, sunny.</td>
</tr>
<tr>
<td>Paeonia</td>
<td>Paeonia officinalis</td>
<td>Pink, white, blue, red</td>
<td>April to June</td>
<td>By seed, cutting, or divisions; in sun or partial shade.</td>
</tr>
<tr>
<td>Iberis</td>
<td>Iberis sempervirens</td>
<td>White</td>
<td>April to May</td>
<td>By seed in Spring or in Sept.; in full sun.</td>
</tr>
<tr>
<td>Allium</td>
<td>Allium sphaerocephalon</td>
<td>Purple</td>
<td>May to June</td>
<td>Hybrid divisions; spreads rapidly; good foliage; sun or partial shade.</td>
</tr>
<tr>
<td>Crocosmia</td>
<td>Crocosmia masonior</td>
<td>Yellow</td>
<td>June to July</td>
<td>By seed; cutting, or divisions; for the foreground.</td>
</tr>
<tr>
<td>Aster</td>
<td>Aster novae-angliae</td>
<td>Various</td>
<td>June to Aug.</td>
<td>Can be used in the background.</td>
</tr>
<tr>
<td>Echinacea</td>
<td>Echinacea purpurea</td>
<td>Pink</td>
<td>June to Aug.</td>
<td>By seed, cutting, or divisions; rock garden; rich soil.</td>
</tr>
<tr>
<td>Helenium</td>
<td>Helenium autumnale</td>
<td>Yellow</td>
<td>July to Sept.</td>
<td>By seed, cutting, or divisions; in poor, dry soil.</td>
</tr>
<tr>
<td>Euphorbia</td>
<td>Euphorbia palustris</td>
<td>Yellow, green</td>
<td>June to Nov.</td>
<td>By seed, cutting, or divisions; cut back year after year.</td>
</tr>
<tr>
<td>Sedum</td>
<td>Sedum spurium</td>
<td>Pink</td>
<td>June to Sept.</td>
<td>By seed; by divisions; in rich, well drained soil.</td>
</tr>
<tr>
<td>Thalictrum</td>
<td>Thalictrum aquilegifolium</td>
<td>Yellow</td>
<td>May to June</td>
<td>By seed; by divisions; in rich, well drained soil.</td>
</tr>
<tr>
<td>Salvia</td>
<td>Salvia farinacea</td>
<td>White, blue, red</td>
<td>June to Aug.</td>
<td>By seed, by divisions; in full sun.</td>
</tr>
<tr>
<td>Bergenia</td>
<td>Bergenia cordifolia</td>
<td>Red, white</td>
<td>June to Sept.</td>
<td>By seed, by divisions; in full sun or part shade.</td>
</tr>
<tr>
<td>Eryngium</td>
<td>Eryngium giganteum</td>
<td>Blue, white</td>
<td>June to Aug.</td>
<td>By seed, cutting, or divisions; in poor, dry soil.</td>
</tr>
<tr>
<td>Ruellia</td>
<td>Ruellia simplex</td>
<td>Various</td>
<td>May to June</td>
<td>By seed, by divisions; in full sun.</td>
</tr>
<tr>
<td>Verbena</td>
<td>Verbena bonariensis</td>
<td>White, blue, red</td>
<td>June to Sept.</td>
<td>By seed, by divisions; in full sun.</td>
</tr>
<tr>
<td>Coreopsis</td>
<td>Coreopsis grandiflora</td>
<td>Various</td>
<td>June to Sept.</td>
<td>By seed in early Spring; thin to 12&quot; apart.</td>
</tr>
<tr>
<td>Tagetes</td>
<td>Tagetes erecta</td>
<td>Yellow, orange</td>
<td>June to Sept.</td>
<td>By seed or divisions; in rich, well drained soil.</td>
</tr>
<tr>
<td>Scabiosa</td>
<td>Scabiosa atropurpurea</td>
<td>Blue, white</td>
<td>June to Aug.</td>
<td>Sow seeds in open ground, keep cut back.</td>
</tr>
<tr>
<td>Digitalis</td>
<td>Digitalis purpurea</td>
<td>Pink</td>
<td>June to July</td>
<td>By seed in open ground.</td>
</tr>
<tr>
<td>Iris</td>
<td>Iris sibirica</td>
<td>Purple</td>
<td>April to May</td>
<td>By divisions immediately after blooming season; rich soil.</td>
</tr>
<tr>
<td>Epimedium</td>
<td>Epimedium x rubrum</td>
<td>Orange</td>
<td>May to June</td>
<td>By seed or divisions; in sandy, well drained soil; sun or partial shade.</td>
</tr>
<tr>
<td>Thymus</td>
<td>Thymus praecox</td>
<td>Pink, white</td>
<td>May to June</td>
<td>By division; plant in large clumps; any soil; full sun.</td>
</tr>
<tr>
<td>Lavandula</td>
<td>Lavandula angustifolia</td>
<td>Purple</td>
<td>June to July</td>
<td>By divisions; cut back year after year.</td>
</tr>
<tr>
<td>Dryopteris</td>
<td>Dryopteris filix-mas</td>
<td>Green</td>
<td>May to Oct.</td>
<td>By division; in rich, well drained soil; sun or partial shade.</td>
</tr>
<tr>
<td>Campanula</td>
<td>Campanula medium</td>
<td>Blue</td>
<td>May to Sept.</td>
<td>By seed, by divisions; in sandy, well drained soil.</td>
</tr>
<tr>
<td>Iris</td>
<td>Iris xiphium</td>
<td>Yellow</td>
<td>June to July</td>
<td>By seed or divisions; in part shade.</td>
</tr>
<tr>
<td>Helleborus</td>
<td>Helleborus orientalis</td>
<td>White, green</td>
<td>March to May</td>
<td>By seed; by divisions; in light, well drained soil.</td>
</tr>
<tr>
<td>Chamaedaphne</td>
<td>Chamaedaphne calyculata</td>
<td>White</td>
<td>June to July</td>
<td>By seed or divisions; in full sun.</td>
</tr>
<tr>
<td>Primula</td>
<td>Primula elatior</td>
<td>Yellow, purple</td>
<td>April to May</td>
<td>By division; in the bog garden.</td>
</tr>
<tr>
<td>Euphorbia</td>
<td>Euphorbia myrsinites</td>
<td>Yellow</td>
<td>June to July</td>
<td>By seed, by divisions; in rich, well drained soil.</td>
</tr>
<tr>
<td>Verbascum</td>
<td>Verbascum phoenicoides</td>
<td>Yellow</td>
<td>June to July</td>
<td>By division; in the bog garden.</td>
</tr>
<tr>
<td>Bellis</td>
<td>Bellis perennis</td>
<td>White, yellow</td>
<td>April to June</td>
<td>By seed; by divisions; in full sun.</td>
</tr>
<tr>
<td>Salvia</td>
<td>Salvia nemorosa</td>
<td>Various</td>
<td>May to Sept.</td>
<td>By seed; by divisions; in full sun.</td>
</tr>
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<td>Campanula</td>
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<td>July to Sept.</td>
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<td>Euphorbia</td>
<td>Euphorbia cyparissias</td>
<td>Yellow</td>
<td>June to July</td>
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</tr>
<tr>
<td>Salvia</td>
<td>Salvia x superba</td>
<td>Various</td>
<td>July to Sept.</td>
<td>By seed, by divisions; in part shade.</td>
</tr>
<tr>
<td>Digitalis</td>
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<td>Yellow</td>
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<td>By seed or divisions; in light, well drained soil.</td>
</tr>
</tbody>
</table>
### HOUSE & GARDEN'S GARDENING GUIDE
#### ANNUALS AND PERENNIALS—CONTINUED

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<th>COLOR</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Windflower</td>
<td>Anemone Japonica</td>
<td>Various</td>
<td>Sep. to Nov.</td>
<td>By seed or divisions; should not be disturbed; protect slightly; shade</td>
</tr>
<tr>
<td>Garden Heliotrope</td>
<td>Alpinia officinalis</td>
<td>Lavender</td>
<td>May to Sept.</td>
<td>By division in spring; rich, moist soil; sun</td>
</tr>
<tr>
<td>False Dragon's-head</td>
<td>Physalis alkekengi</td>
<td>White, rose</td>
<td>May to Oct.</td>
<td>By division in late summer or fall; shade</td>
</tr>
<tr>
<td>Hardy Phlox</td>
<td>Phlox paniculata</td>
<td>Rose</td>
<td>July, Aug.</td>
<td>By division in spring; rich, moist soil; sun</td>
</tr>
<tr>
<td>Rose Loosestrife</td>
<td>Lythrum salicaria</td>
<td>Red</td>
<td>June, July</td>
<td>By seed or divisions; full sun; not particular as to soil or location</td>
</tr>
<tr>
<td>Jerusalem Cross</td>
<td>Lobelia erinus</td>
<td>Blue</td>
<td>June</td>
<td>By seed or divisions; light, rich soil; full sun</td>
</tr>
<tr>
<td>Purple Coneflower</td>
<td>Echinacea purpurea</td>
<td>Yellow</td>
<td>Aug. to Nov.</td>
<td>By divisions immediately after blooming; water; rich soil; sun</td>
</tr>
<tr>
<td>Marigold</td>
<td>Chrysanthemum coronarium</td>
<td>Various</td>
<td>June</td>
<td>By seed or division; rich, sandy soil; full sunlight</td>
</tr>
<tr>
<td>False Dragon's-head</td>
<td>Delphinium Belladonna</td>
<td>Red</td>
<td>June</td>
<td>Seed sown in open ground; set around 12&quot; apart; pinch back; sun</td>
</tr>
<tr>
<td>Marguerite</td>
<td>Chrysanthemum x grandiflorum</td>
<td>Various</td>
<td>June</td>
<td>By seed, cuttings, or divisions; seed sown in August blooms in June</td>
</tr>
<tr>
<td>Rose</td>
<td>Rosa moyesii</td>
<td>Orange</td>
<td>May to Aug.</td>
<td>By seed, cuttings, or divisions; seed sown in August will bloom in June</td>
</tr>
<tr>
<td>False Indigo</td>
<td>Baptisia tinctoria</td>
<td>Yellow</td>
<td>May to July</td>
<td>By cuttings or divisions; mix lime in soil; woodland; semi-shade</td>
</tr>
<tr>
<td>False Camomile</td>
<td>Anthemis tinctoria</td>
<td>Blue</td>
<td>June</td>
<td>Not suit young plants in May; treat as biennials; sun</td>
</tr>
<tr>
<td>Swamp Rose</td>
<td>Aster tataricus</td>
<td>Various</td>
<td>June</td>
<td>By seed; or divisions; for the back of the border; any soil; sun</td>
</tr>
<tr>
<td>American Senna</td>
<td>Cassia angustifolia</td>
<td>Yellow</td>
<td>July, Aug.</td>
<td>By division; divide Fall when dry; dry soil; sun</td>
</tr>
<tr>
<td>Thunberg's Lily</td>
<td>Liliaceae candida</td>
<td>Various</td>
<td>May to July</td>
<td>By early sow; or divisions; deep; moist, sandy soil; sun</td>
</tr>
<tr>
<td>Yellow Banded Lily</td>
<td>Liliaceae candida</td>
<td>Various</td>
<td>June</td>
<td>By seed or divisions; well drained soil; sun or part shade</td>
</tr>
<tr>
<td>False Indigo</td>
<td>Baptisia tinctoria</td>
<td>Orange</td>
<td>May to Aug.</td>
<td>By seed; cuttings; or divisions; dry; rich soil; sun</td>
</tr>
<tr>
<td>False Indigo</td>
<td>Baptisia tinctoria</td>
<td>Yellow</td>
<td>May to July</td>
<td>By seed, cuttings, or divisions; dry; soil; sun</td>
</tr>
<tr>
<td>False Indigo</td>
<td>Baptisia tinctoria</td>
<td>Blue</td>
<td>June</td>
<td>By seed, cuttings, or divisions; self; soil; sun</td>
</tr>
<tr>
<td>False Indigo</td>
<td>Baptisia tinctoria</td>
<td>Various</td>
<td>June</td>
<td>By seed; divisions; rich, heavy soil; sun</td>
</tr>
<tr>
<td>Swamp Roser</td>
<td>Aster tataricus</td>
<td>White, lavender,</td>
<td>July</td>
<td>By seed, cuttings, or divisions; must; rich, soil; sun</td>
</tr>
<tr>
<td>American Senna</td>
<td>Cassia angustifolia</td>
<td>White</td>
<td>July</td>
<td>By seed or divisions; cut out after blooming; moist; dry soil; sun</td>
</tr>
<tr>
<td>American Senna</td>
<td>Cassia angustifolia</td>
<td>Various</td>
<td>July</td>
<td>By seed, cuttings, or divisions; seed sown in August will bloom in June;</td>
</tr>
<tr>
<td>American Senna</td>
<td>Cassia angustifolia</td>
<td>Yellow</td>
<td>Aug.</td>
<td>By divisions; prefers moist soil; sun</td>
</tr>
<tr>
<td>American Senna</td>
<td>Cassia angustifolia</td>
<td>Purple</td>
<td>Sept. to Nov.</td>
<td>By divisions; not particular as to soil; partial shade</td>
</tr>
<tr>
<td>American Senna</td>
<td>Cassia angustifolia</td>
<td>White, rose, lavender,</td>
<td>July</td>
<td>By seed or divisions; in dry soil, partial shade</td>
</tr>
<tr>
<td>American Senna</td>
<td>Cassia angustifolia</td>
<td>Yellow</td>
<td>June to Nov.</td>
<td>Start in hot beds in March; set out in warm soil</td>
</tr>
<tr>
<td>American Senna</td>
<td>Cassia angustifolia</td>
<td>Various</td>
<td>July</td>
<td>By divisions; light; dry soil; transplant often for good development</td>
</tr>
<tr>
<td>American Senna</td>
<td>Cassia angustifolia</td>
<td>Yellow</td>
<td>July</td>
<td>By seed or by suckers; to spread vigorously; any soil; sun</td>
</tr>
<tr>
<td>American Senna</td>
<td>Cassia angustifolia</td>
<td>Various</td>
<td>June</td>
<td>By seeds and cuttings; deep; rich soil; sun; may require staking</td>
</tr>
</tbody>
</table>

### SUMMER FLOWERING BULBS

<table>
<thead>
<tr>
<th>COMMON NAME</th>
<th>BOTANICAL NAME</th>
<th>CHARACTER</th>
<th>DIRECTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Goldbanded Lily</td>
<td>Lilium auratum</td>
<td>Fragrant white and purple flowers</td>
<td>Plant on layer of sand in well prepared soil, 6&quot; below surface; mulch; sun</td>
</tr>
<tr>
<td>Hyacinth Bean</td>
<td>Lablab purpureus</td>
<td>Tall and twining; purple and white flowers</td>
<td>Do not let manure come in direct contact with any of the lilies; except for depth, same as above</td>
</tr>
<tr>
<td>Hymettus</td>
<td>Cyclamen hederifolium</td>
<td>Fragrant red, purple, white flowers</td>
<td>Best grown as a biennial; light, sandy soil; sun</td>
</tr>
<tr>
<td>Walkure</td>
<td>Cyclamen hederifolium</td>
<td>Fragrant red, purple, white flowers</td>
<td>By seed or division; must; soil; sun</td>
</tr>
<tr>
<td>Cheerful</td>
<td>Cyclamen hederifolium</td>
<td>Fragrant red, purple, white flowers</td>
<td>Same as above</td>
</tr>
<tr>
<td>Joyful</td>
<td>Cyclamen hederifolium</td>
<td>Fragrant red, purple, white flowers</td>
<td>Same as above</td>
</tr>
<tr>
<td>Miss Polly</td>
<td>Cyclamen hederifolium</td>
<td>Fragrant red, purple, white flowers</td>
<td>Same as above</td>
</tr>
<tr>
<td>Prince</td>
<td>Cyclamen hederifolium</td>
<td>Fragrant red, purple, white flowers</td>
<td>Same as above</td>
</tr>
<tr>
<td>Summer Hyacinth</td>
<td>Cyclamen hederifolium</td>
<td>Fragrant red, purple, white flowers</td>
<td>Same as above</td>
</tr>
<tr>
<td>Coach</td>
<td>Cyclamen hederifolium</td>
<td>Fragrant red, purple, white flowers</td>
<td>Same as above</td>
</tr>
<tr>
<td>Cross</td>
<td>Cyclamen hederifolium</td>
<td>Fragrant red, purple, white flowers</td>
<td>Same as above</td>
</tr>
<tr>
<td>Foot</td>
<td>Cyclamen hederifolium</td>
<td>Fragrant red, purple, white flowers</td>
<td>Same as above</td>
</tr>
<tr>
<td>Campanula</td>
<td>Chimaphila umbellata</td>
<td>Various</td>
<td>Plant healthy nursery grown stock</td>
</tr>
<tr>
<td>Giant Alyssum</td>
<td>Chimaphila umbellata</td>
<td>Various</td>
<td>Propagate from cuttings in sand</td>
</tr>
<tr>
<td>Gigantic</td>
<td>Chimaphila umbellata</td>
<td>Various</td>
<td>Plant from seedlings</td>
</tr>
<tr>
<td>Giant Arachnoidea</td>
<td>Chimaphila umbellata</td>
<td>Various</td>
<td>Propagate from cuttings in sand</td>
</tr>
<tr>
<td>Star</td>
<td>Chimaphila umbellata</td>
<td>Various</td>
<td>Plant healthy nursery grown stock</td>
</tr>
</tbody>
</table>

### ANNUAL AND PERENNIAL VINES

<table>
<thead>
<tr>
<th>COMMON NAME</th>
<th>BOTANICAL NAME</th>
<th>CHARACTER</th>
<th>DIRECTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Moon Vine</td>
<td>Lysimachia quadrifolia</td>
<td>Fragrant white and purple flowers</td>
<td>From seed; needs a long, warm season</td>
</tr>
<tr>
<td>Hymettus</td>
<td>Lysimachia quadrifolia</td>
<td>Fragrant red, purple, white flowers</td>
<td>From seed; needs a long, warm season</td>
</tr>
<tr>
<td>Walkure</td>
<td>Lysimachia quadrifolia</td>
<td>Fragrant red, purple, white flowers</td>
<td>From seed; needs a long, warm season</td>
</tr>
<tr>
<td>Cheerful</td>
<td>Lysimachia quadrifolia</td>
<td>Fragrant red, purple, white flowers</td>
<td>From seed; needs a long, warm season</td>
</tr>
<tr>
<td>Joyful</td>
<td>Lysimachia quadrifolia</td>
<td>Fragrant red, purple, white flowers</td>
<td>From seed; needs a long, warm season</td>
</tr>
<tr>
<td>Miss Polly</td>
<td>Lysimachia quadrifolia</td>
<td>Fragrant red, purple, white flowers</td>
<td>From seed; needs a long, warm season</td>
</tr>
<tr>
<td>Prince</td>
<td>Lysimachia quadrifolia</td>
<td>Fragrant red, purple, white flowers</td>
<td>From seed; needs a long, warm season</td>
</tr>
<tr>
<td>Summer Hyacinth</td>
<td>Lysimachia quadrifolia</td>
<td>Fragrant red, purple, white flowers</td>
<td>From seed; needs a long, warm season</td>
</tr>
<tr>
<td>Coach</td>
<td>Lysimachia quadrifolia</td>
<td>Fragrant red, purple, white flowers</td>
<td>From seed; needs a long, warm season</td>
</tr>
<tr>
<td>Cross</td>
<td>Lysimachia quadrifolia</td>
<td>Fragrant red, purple, white flowers</td>
<td>From seed; needs a long, warm season</td>
</tr>
<tr>
<td>Foot</td>
<td>Lysimachia quadrifolia</td>
<td>Fragrant red, purple, white flowers</td>
<td>From seed; needs a long, warm season</td>
</tr>
</tbody>
</table>

### DIRECTIONS

- By seed or divisions; should not be disturbed; protect slightly; shade
- By division in spring; rich, moist soil; sun
- By division in autumn; rich, moist soil; sun
- By division; unparticular as to soil or exposure
- By seed or divisions; light, rich soil; full sun
- By divisions immediately after blooming; water; rich soil; sun
- By seed or division; rich, sandy soil; full sunlight
- Seed sown in open ground; set 12" apart; pinch back; sun
- By seed; best treated as biennial; light, moist soil; sun or part shade
- By seed, cuttings, or divisions; seed sown in August blooms in June
- By seed, cuttings, or divisions; seed sown in August will bloom in June
- By cuttings or divisions; mix lime in soil; woodland; semi-shade
- Not suit young plants in May; treat as biennials; sun
- By seed or divisions; for the back of the border; any soil; sun
- By division; divide Fall; dry; soil; sun
- By early sow; or divisions; deep; moist, sandy soil; sun
- By seed or division; well drained soil; sun or part shade
- By seed or division; light, sandy soil; slight protection in winter; sun
- By seed; or divisions; do not disturb after planting; any soil; sun
- By root, cutting, or seed; cut out after blooming; woodland; rich soil; rich soil
- By seed or division; sandy soil; sun; use plenty of well rotted manure
- Plant roots after August; prepare deep, well matured soil; the largest peony
- By seed or division; thrive in any soil; sun
- By offsets or seed; in light, rich soil; sun; protect in cold sections
- By seed or divisions; in any soil; preferably moist; sun
- By division; rich, moist soil; partial shade; requires staking
- By seed, cuttings, or divisions; dry; soil; sun
- By seed or divisions; cut out after blooming; moist; rich soil; sun
- By seed or cuttings, or divisions; rich, moist, heavy soil; sun
- By seed, cuttings, or divisions; moist; rich soil; sun
- By seed or divisions; cut out after blooming; moist or dry soil; sun
- By seed, cuttings, or divisions; seed sown in August will bloom in June; sun
- By division; prefers moist soil; sun
- By divisions; not particular as to soil; partial shade
- By seed or divisions; in dry soil, partial shade
- Start in hot beds in March; set out in warm soil; sun
- By divisions; light; dry soil; transplant often for good development
- By seed or by suckers; to spread vigorously; any soil; sun
- By seeds and cuttings; deep; rich soil; sun; may require staking
### VEGETABLES FOR A CONTINUOUS SUPPLY

<table>
<thead>
<tr>
<th>VARIETY</th>
<th>FIRST PLANTING</th>
<th>SUCCESSIVE PLANTINGS</th>
<th>AMOUNT OR NUMBER</th>
<th>DIRECTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bean, bush, Green Pod</td>
<td>April 15</td>
<td>2-3' to Aug. 15</td>
<td>1 pt.</td>
<td>15&quot; x 4'</td>
</tr>
<tr>
<td>Bean, bush, Wax</td>
<td>April 20</td>
<td>2-3' to Aug. 15</td>
<td>1 pt.</td>
<td>20&quot; x 4'</td>
</tr>
<tr>
<td>Bean, long Lima</td>
<td>May 15</td>
<td>3' to July</td>
<td>1 lb.</td>
<td>30&quot; x 3'</td>
</tr>
<tr>
<td>Bean, pole</td>
<td>April 25</td>
<td>June 15</td>
<td>1 lb. 5 oz.</td>
<td>4' x 3'</td>
</tr>
<tr>
<td>Beets, main and winter</td>
<td>May 1</td>
<td>June 15</td>
<td>1 lb.</td>
<td>4' x 4'</td>
</tr>
<tr>
<td>Brussels Sprouts</td>
<td>May 15</td>
<td>June 15</td>
<td>1 lb.</td>
<td>4' x 4'</td>
</tr>
<tr>
<td>Cabbage, Early</td>
<td>April 1</td>
<td>P</td>
<td>1 oz.</td>
<td>2' x 1'</td>
</tr>
<tr>
<td>Cabbage, summer</td>
<td>May 1</td>
<td>June 15</td>
<td>1 oz.</td>
<td>2' x 1'</td>
</tr>
<tr>
<td>Cabbage, late</td>
<td>July 1</td>
<td>July 15</td>
<td>1 oz.</td>
<td>2' x 1'</td>
</tr>
<tr>
<td>Carrots, Ex. Early</td>
<td>April 15</td>
<td>3-4' to July 15</td>
<td>1 oz.</td>
<td>12&quot; x 2'</td>
</tr>
<tr>
<td>Carrots, main and winter</td>
<td>May 15</td>
<td>June 15</td>
<td>1 oz.</td>
<td>12&quot; x 2'</td>
</tr>
<tr>
<td>Cauliflower, spring and fall</td>
<td>April 10</td>
<td>P</td>
<td>1 oz.</td>
<td>2' x 1'</td>
</tr>
<tr>
<td>Celery, early</td>
<td>May 1</td>
<td>June 15</td>
<td>100 oz.</td>
<td>6&quot; x 4'</td>
</tr>
<tr>
<td>Celery, late</td>
<td>June 1</td>
<td>June 15</td>
<td>100 oz.</td>
<td>6&quot; x 4'</td>
</tr>
<tr>
<td>Corn, Early</td>
<td>April 10</td>
<td>4' to July 1</td>
<td>1 oz.</td>
<td>12&quot; x 2'</td>
</tr>
<tr>
<td>Corn, main crop</td>
<td>May 1</td>
<td>June 15</td>
<td>1 oz.</td>
<td>12&quot; x 2'</td>
</tr>
<tr>
<td>Cucumber, for slicing, etc.</td>
<td>April 10</td>
<td>P</td>
<td>1 oz.</td>
<td>2' x 1'</td>
</tr>
<tr>
<td>Cucumber, for pickling</td>
<td>May 1</td>
<td>June 15</td>
<td>1 oz.</td>
<td>2' x 1'</td>
</tr>
<tr>
<td>Egg-plant</td>
<td>May 15</td>
<td>June 15</td>
<td>1 oz.</td>
<td>2' x 1'</td>
</tr>
<tr>
<td>Endive</td>
<td>June 1</td>
<td>June 15</td>
<td>1 oz.</td>
<td>2' x 1'</td>
</tr>
<tr>
<td>Kohlrabi</td>
<td>June 1</td>
<td>June 15</td>
<td>1 oz.</td>
<td>2' x 1'</td>
</tr>
<tr>
<td>Lettuce, leafy, for salads</td>
<td>April 15</td>
<td>4' to July 15</td>
<td>1 oz.</td>
<td>12&quot; x 2'</td>
</tr>
<tr>
<td>Lettuce, spring and fall</td>
<td>May 1</td>
<td>June 15</td>
<td>1 oz.</td>
<td>2' x 1'</td>
</tr>
<tr>
<td>Lettuce, &quot;Crisp Head,&quot; summer</td>
<td>May 1</td>
<td>June 15</td>
<td>1 oz.</td>
<td>2' x 1'</td>
</tr>
<tr>
<td>Melon, musk</td>
<td>May 1</td>
<td>June 15</td>
<td>1 oz.</td>
<td>2' x 1'</td>
</tr>
<tr>
<td>Melons, water</td>
<td>May 1</td>
<td>June 15</td>
<td>1 oz.</td>
<td>2' x 1'</td>
</tr>
<tr>
<td>Onions, &quot;sets&quot;</td>
<td>May 1</td>
<td>June 15</td>
<td>1 oz.</td>
<td>2' x 1'</td>
</tr>
<tr>
<td>Oranges, grape</td>
<td>May 1</td>
<td>June 15</td>
<td>1 oz.</td>
<td>2' x 1'</td>
</tr>
<tr>
<td>Parsley</td>
<td>April 15</td>
<td>June 15</td>
<td>1 oz.</td>
<td>2' x 1'</td>
</tr>
<tr>
<td>Peas, sweet</td>
<td>May 10</td>
<td>3' to May 10</td>
<td>1 oz.</td>
<td>12&quot; x 2'</td>
</tr>
<tr>
<td>Peas, Early, wrinkled</td>
<td>May 10</td>
<td>3' to May 10</td>
<td>1 oz.</td>
<td>12&quot; x 2'</td>
</tr>
<tr>
<td>Peas, wrinkled, main crop</td>
<td>May 10</td>
<td>3' to May 10</td>
<td>1 oz.</td>
<td>12&quot; x 2'</td>
</tr>
<tr>
<td>Peppers, large fruited</td>
<td>May 15</td>
<td>June 15</td>
<td>1 oz.</td>
<td>2' x 1'</td>
</tr>
<tr>
<td>Potatoes, small fruited</td>
<td>May 15</td>
<td>June 15</td>
<td>1 oz.</td>
<td>2' x 1'</td>
</tr>
<tr>
<td>Pumkkin</td>
<td>May 15</td>
<td>June 15</td>
<td>1 oz.</td>
<td>2' x 1'</td>
</tr>
<tr>
<td>Radish, Early</td>
<td>April 10</td>
<td>2' to Sept. 15</td>
<td>1 oz.</td>
<td>12&quot; x 2'</td>
</tr>
<tr>
<td>Radish, summer</td>
<td>April 10</td>
<td>2' to Sept. 15</td>
<td>1 oz.</td>
<td>12&quot; x 2'</td>
</tr>
<tr>
<td>Radish, winter</td>
<td>April 10</td>
<td>2' to Sept. 15</td>
<td>1 oz.</td>
<td>12&quot; x 2'</td>
</tr>
<tr>
<td>Rattlesnake</td>
<td>June 15</td>
<td>3' to Aug. 15</td>
<td>1 oz.</td>
<td>12&quot; x 2'</td>
</tr>
<tr>
<td>Salads</td>
<td>May 1</td>
<td>4' to Aug. 10</td>
<td>1 oz.</td>
<td>12&quot; x 2'</td>
</tr>
<tr>
<td>Spinach</td>
<td>April 15</td>
<td>4' to July 1</td>
<td>1 oz.</td>
<td>12&quot; x 2'</td>
</tr>
<tr>
<td>Squash, summer</td>
<td>May 1</td>
<td>1 oz.</td>
<td>5&quot; x 4'</td>
<td></td>
</tr>
<tr>
<td>Squash, winter</td>
<td>May 15</td>
<td>June 15</td>
<td>3 oz.</td>
<td>6&quot; x 6'</td>
</tr>
<tr>
<td>Swiss chard</td>
<td>April 10</td>
<td>3' to Sept. 15</td>
<td>25 oz.</td>
<td>4' x 2'</td>
</tr>
<tr>
<td>Tomato, Early</td>
<td>May 1</td>
<td>P</td>
<td>1 oz.</td>
<td>12&quot; x 3'</td>
</tr>
<tr>
<td>Tomato, main crop</td>
<td>May 15</td>
<td>2 oz.</td>
<td>12&quot; x 3'</td>
<td></td>
</tr>
<tr>
<td>Turnip, summer</td>
<td>April 10</td>
<td>2 oz.</td>
<td>12&quot; x 3'</td>
<td></td>
</tr>
<tr>
<td>Turnip, winter</td>
<td>April 10</td>
<td>2 oz.</td>
<td>12&quot; x 3'</td>
<td></td>
</tr>
</tbody>
</table>

**NOTES ON VEGETABLES**

- "P"—plants from frames or seedbeds.
- First figure under Directions indicates distance between rows; second between plants in row after thinning, or between hills.
- Hills are continuous rows, in which the seeds are sown near together, and the plants even after thinning stand at the same distance; the hills usually being a mile, half a mile, or one-third of an acre.

**In dry soil available:**
- Cover first planting 1" deep.
- In dry soil available; cover first planting 1" deep. Plant second and third plantings when there is prospect of several days' dry weather.
- Place hills 10 feet apart from first planting in rich hills; thin to best plants.
- Cover hills in slightly raised beds; thin to best two.
- First planting shallow, about 1" deep and thick, in dry weather; soak seeds first winter; use new soil after three months before harvesting.
- Transplant at four to six weeks; same treatment as late cabbage; pinch out tops of stalks when "buds" are formed.
- Set out well hardened off plants as soon as ground can be worked; fertilize hills; keep suckers trimmed off; apply nitrate of soda; harvest before turning bottoms of hills is dry; firm well.
- Keep hills 15 feet apart; 14" to 16" deep; thin early.
- Select rich, deep soil to get smooth roots; for storing plant about 6" deep for the harvesting time.
- Earich rows; protect from cutworms; plenty of water when-heading.
- Earich rows; plenty of water; hill up to keep hills steep; use early varieties two weeks before using.
- Saw seeds six to eight weeks before transplanting; hill up to keep hills steep.
- First planting in dry soil; cover only 1" deep; give plenty of sun exposure; plant hills 15 feet apart.
- Thin to 3 or 4 hills in hill; plant 3" deep in dry weather; cultivate shallow.
- Earich hills; thin to 3 or 4 plants; protect from striped beetles.
- Gather fruits while quite small; keep them all picked for continuous bearing.
- Earich hills; give plenty of water; protect from potato bugs.
- Culture same as for lettuce save that leaves should be fed up to blanch for use.
- Treat soil to turn topsoil; thin out as soon as possible; begin to use when the heads are 2" across.
- Transplant at size of lead pencil to deep, well enriched trenches, hills up to blanch.
- Sow seed when plants are set out, and for succession plantings, thinning out early.
- Thin out early; for fall, plant July 15 to August 15. Give plenty of water; top-dress with nitrate of soda; harvest about August 20-25.
- Earich hills with old compost or wood ashes; add and in heavy soil; protect from striped beetles.
- Same as for musk melons; pinch out tips of runners at 3' of 6".
- Give warm, rich soil; nitrate of soda during early growth.
- Thin to 2 plants when vines are 12" high; thin out drill; insert in row.
- Keep clean; top-dress with nitrate of soda; do not thin until well along.
- First seedlings transplant to rich soil; give plenty of water.
- Saw seed for twenty-four hours; cover very lightly; thin out early.
- Cover first planting about 1" deep; sow only a small quantity as wrinkled variety is better flavored.
- Dwarf varieties 22" to 24" make first plantings in light soil, or on slightly raised drill 1" to 1½ deep. Make larger plantings in trenches, filling gradually as vines grow; plant early varieties July 20 to August 10 fall drill crop.
- Same as for egg-plant; use good strong potted plants for both to get best results.
- Top-dress with nitrate of soda during early growth.
- Set out well hardened off plants; thin 1" deep; use water in dry soil; cover first planting 1" deep.
- For earliest results sow four weeks in sunlight before planting.
- Plant in rich hills; if space is limited, put near edge of field, or train where vines can be well watered.
- Make frequent small sowings; water liner plants, soil or wood ashes into row, take out any weak or bluish roots not used.
- Thin out early; plant in finely prepared soil.
- Roots for storing should not be planted until quite late, as they better he kept in eating qualities and not overgrown.
- Excellent for storing for winter; culture similar to turnips; late planting makes best quality roots.
- Be careful to get seed thick enough; sow in deep, fine soil and get smooth roots.
- Saw in rich soil; plant first to 2½ apart; second thinning may be used for table; apply nitrate of soda.
- For bush 4" x 4"; enrich hills; thin to two or three plants; protect from bugs.
- Thin to two plants when vines begin to crowd; watch for borers; protect from squash bugs.
- Saw half as thick as leeks; thin out as soon as well started; cut leaves in gathering 3" or so above.
- Enrich hills; use plant support or stake; keep suckers trimmed off; apply nitrate of soda.
- Use poison bait for cutworms before setting; use fruit clusters if fruit is not cut off; Saw thin and thin out as soon as possible.
- For winter use do not sow too early, two to three months before harvesting, according to variety.
THE SUCCULENT VEGETABLES OF SPRING

Plant Early and Pluck Early Is the Rule for Gardeners
Who Want Tender Vegetables

JOSEPH HENRY SPERRY

LET us put ourselves in the place of an amateur gardener who has to do the best he can without the valuable aid of a small greenhouse or hot bed or even a cold frame, and who has simply a goodly garden plot kissed by the sun and the wind and watered by the dew and the rain. Here it is and he is going to try to grow as many high quality early vegetables as intelligent effort will produce.

He has prepared his garden as early in the Spring as the ground can be worked by intelligent effort will produce. As many high quality early vegetables as in the winter and cool rains are frequent, and even flurries of snow appear. Here it is and he is going to grow tender, tooth-erately favorable or endurable before he begins to sow the seeds which in good time will spring up and grow into tender, tooth-some vegetables for his family table.

It is a garden paradox that the most delicate and tenderest vegetables are produced from early to mid-Spring when the weather is by no means tender, and frosts are not uncommon, and cool rains are frequent, and even flurries of snow appear, and when the nights are still nearly as long as the days, and that vegetables of the same kinds equally delicate cannot be produced when the long, warm, dry, delicate days, when young, when grown in a temperature of no more than 8° to 18° above the freezing point and in ten or eleven hours of darkness are of a superior quality. This is the reason why we plant early to get tender, delicate vegetables, plant even when the air of early Spring is raw and chilly, and our fingers get a bit numb while sowing the seeds. Almost every year since boyhood I have planted or helped to plant a vegetable garden and have planted it early, and the results have almost always justified this practice.

The kinds of vegetables which we may plant early are by no means few. Here is the array: beets, Crosby's Early Egyptian and Early Wonder; Swiss chard, Giant Lucullus; cabbage, Early Jersey Wakefield, Early Spring; cauliflower, Snowball; carrots, Early French Forcing, Chantenay; lettuce, Mignonneau, Boston Market (White Seeded Tennis Ball), Big Boston; kohlrabi, White Vienna; parsley, Champion Moss Curled; peas, Dwarf Varieties, Laxtonian, Sutton's Excelsior, Nott's Excelsior; Tall Varieties, Prosperity (Trades), Thomas Laxton; Radish, Early Scarlet Turnip; onions, from seeds. White Portugal, White Milan; and some of the novelties.

The wise amateur gardener buys the best seeds of each kind; he knows that the difference in cost between high bred and low bred seeds is negligible. If, indeed, he is of an economical turn of mind, he scrumps in some of his other expenses but not in his seed expenditures; if he notes two or three strains of the same variety of seed offered in a seedman’s catalogue he selects the best as far as he can judge from the catalogue description, and pays the highest price; he is not possessed with the worse than silly notion that a seed catalogue is a publication in which seedsmen give exaggerated description of the products of their seeds; he knows that this is not true. Novelties? Yes, he buys a few novelties each year, because the intelligent gardener is a progressive man; he feels that there may be improvements in varieties of vegetables, just as there are yearly improvements in the kind of automobiles he drives. He knows that many of these novelties in seeds are, perhaps, only old varieties bred up by intelligent selection, but brought up to such a point of perfection that in quality they are far away above their parent variety.

The amateur buys plenty of seeds and sows them rather thickly. He knows that he allows to stand and grow only a small percentage of the plants springing from the seeds which he sows, that in the best of the seeds planted and coming up are wasted, and that this, except in the case of the transplanted plants, cannot well be

(Continued on page 146)

This vegetable garden is designed for a space 102' x 50', divided into two sections by a path. In the right hand plot are grown most of the permanent crops—cucumbers, melons and squashes which do not mature till late in the summer; in the left hand plot there is more room for succession crops, to follow those that are finished by late spring.
THE motor is like the old traditional woman; it takes its sustenance from another—in this case not from the currency maker, but from the current maker, the dynamo, or generator—and turns it into service for running things.

Household electrical equipment is divided into two general classes—those that are motor driven and those that are electrically heated.

In this article only the motor driven apparatus will be considered.

Some of the motor driven utensils that we all know are the washing machine, dishwasher, electric piano player, vacuum cleaner, electric fan, electrically operated phonograph, clothes dryer, (in which the water is driven out by centrifugal force resulting from the rapid whirling of a tub driven by a motor) ice cream freezer, egg beater, mixer, whipper, chopper, grinder, buffer, etc.

To understand the motor, one must first understand the dynamo, or generator which supplies it with power.

The generator consists of an iron core or armature, wound with wire, which is made to revolve at high speed through a magnetized space. This magnetized space or "field", is caused by electro-magnets placed about the revolving core, or armature. The armature, in the act of revolving through this magnetized space, cuts the imaginary "lines of force," which is the name given to the flow of magnetism that fills the area in which the armature revolves. In cutting through this magnetism, an electric current is set up in the wires wound around the armature. No one knows exactly why this happens. We do know, however, that it does happen, and that we can measure the effect accurately. It has been found furthermore that the current set up in the armature varies according to the speed with which it turns and also in relation to the number of turns of wire wound about it.

The motor attached to a sewing machine has revolutionized domestic sewing.

The motor is, generally speaking, the same kind of a device as the generator, but whereas the generator is for supplying the electric current, the motor is for using it and converting it into mechanical power.

There are three things to remember in connection with the purchase of a motor driven device. Whether the motor is constructed to be run by alternating or direct current; if the former, the number of cycles for which (Continued on page 134)
KEY TO NUMBER IN PLANTS IN BORDER

1. Statice latifolia, 2', mauve, gray foliage, everlasting, July— September.
2. Alyssum saxatile compactum, dwarf, golden yellow, April—June.
3. Ammi visnaga, dwarf, deep purple, April—June.
4. Viola latera, splendens, dwarf, golden yellow, August.
5. Helianthus maximiliana, 6', golden yellow, August—September.
6. Iris florescens, 2', yellow, June.
7. Oenothera missouriensis, 2', golden yellow, June—August.
8. Anemone japonica White Wind, 3', semi-double, August—October.
9. Chrysanthemum maximum King Edward, 3', white, July—August.
10. Lavandula vera, 3', mauve, gray foliage, August.
11. Iris florescens, 2', white, fragrant, May.
12. Antirrhinum Golden Queen, 18', yellow, June.
13. Dianthus Alwoodii, 1', white, fragrant, May—October.
15. Achillea filipendula (Fupalorium), 3', golden yellow, July—August.
16. Lavandula vera, 3', mauve, gray foliage, August—September.
17. Iris flavescens, 2', yellow, June.
18. Lysimachia nummularia, 4', golden, yellow, July—August.
19. Achillea ptarmica fl. pi. The Pearl, 2', white, June—July.
20. Lavandula vera, 3', mauve, gray foliage, August.
21. Dianthus barbatus, pink, crimson, orange, scarlet, 2', white and blue, June—August.
22. Prunus vulgaris polyantha, dwarf, golden yellow, June.
26. Iris germanica, 2', mauve and purple, August—September.
27. Lavandula vera, 3', mauve, gray foliage, August.
29. Campanula Medium, 3', light blue, September—October.
30. Campanula Medium, 3', white and blue, June.
31. Campanula Medium, 3', white and blue, July.
32. Achillea ptarmica fl. pi. The Pearl, 2', white and blue, June—July.
33. Cheiranthus Cheiri Bronze King, 1', deep red, April—September.
34. Campanula persicifolia Teutonia, 4', light blue, July.
35. Digitalis purpurea, 3', purple, July.
36. Delphinium, 4', white, September.
37. Delphinium, 4', white, September.
38. Antirrhinum Defiance, russet red, June—September.
39. Anemone japonica Queen Charlotte, 2', pink, July—August.
40. Dianthus barbatus, pink, crimson, orange, scarlet, 2', white and blue, June—August.
41. Hemerocallis Kwanso fl. pi. orange, 4', June—October.
42. Papaver nudicaule, 2-3', white, orange and yellow, May—September.
43. Plantago major, 1', white, early June.
44. Phlox paniculata Eclaireur, 2', crimson lake, July—October.
45. Papaver somniferum, 2', white, orange and yellow, May—September.
46. Phlox paniculata Eclaireur, 2', crimson, July—August.
47. Digitalis purpurea, 3', purple, July.
48. Parnassia palustris, 1', white, light blue, June—October.
49. Phlox paniculata Eclaireur, 2', crimson lake, August—September.
50. Digitalis purpurea, 3', purple, June—July.
51. Delphinium, 4', June—September.
52. Campanula persicifolia Teutonia, 4', light blue, July.
53. Antirrhinum Defiance, russet red, June—July.
54. Dianthus barbatus, pink, crimson, orange, scarlet, 2', white and blue, June—July.
55. Digitalis purpurea, 3', purple, June—July.
56. Campanula Medium, 3', white and blue, June.
57. Anemone japonica Queen Charlotte, 2', pink, July—August.
58. Hemerocallis Kwanso fl. pi. orange, 4', June—October.
59. Delphinium, 4', white, September.
60. Papaver nudicaule, 2-3', white, orange and yellow, May—September.
61. Castilleja miniata, 1', salmon, September.
62. Hemerocallis Kwanso fl. pi. orange, 4', June—October.
63. Delphinium, 4', white, September.
64. Antirrhinum Defiance, russet red, June—July.
65. Digitalis purpurea, 3', purple, June—July.
66. Rudbeckia Hirta, 6', orange, August—September.
67. Lilium bulbiferum, 6', orange, August—September.
68. Helianthus annuus, 2-3', yellow, April—July.
69. Chrysanthemum, 2', lilac, yellow, August—October.
70. Gladiolus Pink Perfection, pink, 2', July.
71. Iris germanica, 2', mauve, gray foliage, August.
72. Campanula Medium, 3', while and blue, June.
73. Iris germanica, 2', mauve, gray foliage, August.
74. Anemone japonica White Wind, 3', white, August—September.
75. Chrysanthemum, 2', lilac, yellow, August—October.
76. Anemone japonica White Wind, 3', white, August—September.
77. Achillea ptarmica fl. pi. The Pearl, 2', white, June—July.
78. Anemone japonica White Wind, 3', white, August—September.
79. Chrysanthemum, 2', lilac, yellow, August—October.
80. Anemone japonica White Wind, 3', white, August—September.
81. Chrysanthemum, 2', lilac, yellow, August—October.
82. Anemone japonica White Wind, 3', white, August—September.
83. Chrysanthemum, 2', lilac, yellow, August—October.
84. Anemone japonica White Wind, 3', white, August—September.
85. Chrysanthemum, 2', lilac, yellow, August—October.
86. Anemone japonica White Wind, 3', white, August—September.
87. Achillea ptarmica fl. pi. The Pearl, 2', white, June—July.
88. Anemone japonica White Wind, 3', white, August—September.
89. Chrysanthemum, 2', lilac, yellow, August—October.
90. Anemone japonica White Wind, 3', white, August—September.
91. Chrysanthemum, 2', lilac, yellow, August—October.
92. Anemone japonica White Wind, 3', white, August—September.
93. Achillea ptarmica fl. pi. The Pearl, 2', white, June—July.
94. Anemone japonica White Wind, 3', white, August—September.
95. Chrysanthemum, 2', lilac, yellow, August—October.
96. Anemone japonica White Wind, 3', white, August—September.
97. Achillea ptarmica fl. pi. The Pearl, 2', white, June—July.
98. Anemone japonica White Wind, 3', white, August—September.
99. Chrysanthemum, 2', lilac, yellow, August—October.
100. Anemone japonica White Wind, 3', white, August—September.
101. Chrysanthemum, 2', lilac, yellow, August—October.
102. Anemone japonica White Wind, 3', white, August—September.
103. Achillea ptarmica fl. pi. The Pearl, 2', white, June—July.
104. Anemone japonica White Wind, 3', white, August—September.
105. Chrysanthemum, 2', lilac, yellow, August—October.
106. Anemone japonica White Wind, 3', white, August—September.
107. Achillea ptarmica fl. pi. The Pearl, 2', white, June—July.
108. Anemone japonica White Wind, 3', white, August—September.
109. Chrysanthemum, 2', lilac, yellow, August—October.
110. Anemone japonica White Wind, 3', white, August—September.
111. Achillea ptarmica fl. pi. The Pearl, 2', white, June—July.
112. Anemone japonica White Wind, 3', white, August—September.
113. Chrysanthemum, 2', lilac, yellow, August—October.
114. Anemone japonica White Wind, 3', white, August—September.
115. Achillea ptarmica fl. pi. The Pearl, 2', white, June—July.
116. Anemone japonica White Wind, 3', white, August—September.
117. Chrysanthemum, 2', lilac, yellow, August—October.
118. Anemone japonica White Wind, 3', white, August—September.

Many of the Summer flowering plants may be encouraged to spread over the beds left vacant by those of Spring. Wallflowers, for example, may be lifted to give more room for map­pies in these beds to be removed when their flowering has finished.

The plan shows suggestions for planting a border 80' long, giving se­quence of color from Spring until Autumn. Annuals and bulbs may be used to supplement the perennials but should be chosen with regard to their color, height and flowering season.
MAKING A PERENNIAL BORDER

A Planting Plan Designed for Succession of Color
Is the Prime Essential

The planning of a long perennial border, or of any shaped herbaceous border, is a many-sided problem; its complexities are so intimately connected that as each in turn is faced, the others appear on every side and cannot be ignored. It is comparatively easy to work out a scheme of color in theory, to decide that blue shall be here, yellow there, and crimson elsewhere with judicious blendings of intermediate shades. But practical knowledge and experience must translate these decisions into plants and varieties. The actual colors and their association are largely a question of personal taste, but to obtain them as imagination sees them involves a knowledge of flowering seasons, of heights and shapes and manner of growth, not to mention the subtleties of hue unrevealed by the catalogue and dictionary.

Many of the flowers which make up the border, considered individually, may well claim to deserve a special bed or garden for themselves where their full perfection of beauty can be revealed; peonies, irises, lupins, phloxes, and many others are of this number, but since few people have space for these ideal conditions there is compensation in the many beautiful effects which can be made by combining flowers of different type and habit apart from the mere question of color. The feathery plumes of spiraea make an ideal background for the velvety spires of a dark crimson snapdragon or the clear cut outline of an iris. The gray blue austerity of the globe thistle in contrast with the narrow downy foliage and intense carmine flowers of the rose campion, the clear color and fragile petals of long stemmed poppies—an infinity of variations can be suggested. In fact it is impossible to attempt color grouping successfully and to neglect this important aspect. (The effectiveness of plants both for color and form at long and short range was dealt with in a previous article.)

It is not difficult in a long border to have something in flower through most of the garden, but it requires more skill to contrive that this shall be no mere spasmodic patchwork but a regular sequence of color throughout the border. Some people find it simplest to concentrate upon certain seasons, and are content to wait through a quiet interim between one brilliant display, say in early summer and another in the autumn. But a more ambitious gardener will aim at a continuous effect, which needs more thought and perhaps some sacrifice of brilliance. Large masses of one plant will be more difficult to handle, as the problem must be faced of the correspondingly large area of barren stem when the flowers are over. This difficulty must not be shirked for it is perhaps hardly necessary to state that broad masses should always be planted rather than single specimens. Plants with fine foliage, small evergreens and gray-leaved plants, these are always useful as they give value to gayer plants. Bulbs may be used in numbers; they can be lifted after flowering to ripen their leaves elsewhere and their places filled by annuals or half-hardy plants held in readiness for the time when they are needed. A pinch of seed of some flower which will not bear transplanting—such as nigella and shirley poppies—may be sown in a small vacant spot, where, as the surrounding flowers die down, the seedlings will have room to grow.

* (Continued on page 146)
Combination hoe and rake, an ideal tool for the average garden. 6" hardwood handle, 6" double edged steel rocker blade $1.25

An amusing wooden trellis painted green has a bluebird on top. It is 34' high. The price is $1.75

Plant markers with japanned steel frames and labels protected by transparent celluloid sheets come 24" high, card 1 3/4" x 3 3/4" for 25¢ each. $2.50 a dozen

A kneeling pad of strong rush with the bottom protected by oilcloth is $1.50. It is 24" long

All types of gardens, plants and planting lists are to be found in House & Garden's Book of Gardens, $5

A collection of twelve novelties of the season, one packet of each, may be purchased for $5

(Above) Garden apron 33" long of unbleached muslin with applique flowers and pockets of checked gingham $3.30. Travel with saw tooth edge 60c. Painted wooden butterfly to stick among flowers 75c.

Above is a well-made set of ladies' garden tools priced at $3.50 for the set

(Lefl) Pruning shears for all garden work $4; pruning and rose shears, $1.50; to prune roses and shrubs $3; shears to cut and hold flower $2.75; flower scissors $2
FLOWERS TO BLOOM
THIS SUMMER

All the Collections on This Page
May Be Purchased Through the
House & Garden Shopping
Service, 19 West 44th Street,
New York City

Four varieties of climbing
roses, American Pillar, Climbing
American Beauty, Lady Gay and Silver Moon, $4.50.

2 yr. field grown plants

A BLUE AND WHITE GARDEN

Blue African Daisy; Ageratum;
Anchusa Capensis or Summer Forget-me-not;
Baby’s Breath; Centaurea Oderata; Blue Larkspur;
White Lupins; Blue and white Nigella; Pansy, Adonis; Petunia,
Norma; Poppy, White Swan; Scabiosa, Azure Fairy;
Shirley Poppy, Blue-Bell; Queen Anne’s Blue Lace Flower—14 Packets $1.50

A PINK GARDEN

Cosmos, Giant Pink; California Poppy, Rose Queen;
Godetia, Vary Morn; Centaurea, Favorite; Gypsophila,
Mist of Roses; Clarkia, Apple Blossom; Candytuft, Rose Cardinal;
Larkspur, Lustrous Rose; Lupins, Flamingo; Shirley Poppy, Wild Rose;
Petunia, Vary Morn; Sweet Peas, Hercules; Zinnia, Rose King;
Antirrhinum, Pink Beauty—14 Packets $1.50

(Above) Fice dahlias, Latonia,
buff Decorative; Bianca, lavender Hybrid Cactus;
Ossianquin, yellow and red Peony-flowered; Nancy Ranshin,
white Decorative; Miss Lymena T. Baxter, yellow
Peony-flowered, may be purchased for $5

(Above) A collection of giant
double flowered zinnias rang­
ing in color from light rose,
through the apricot and orange shades to deep red is
$5 for 12 packets

The pastel tones of sweet peas
make them a welcome addi­
tion to any garden. Twenty
varieties, in harmonious color
combination are priced at $1

(Center) Make your garden
glow with roses next June.
Six distinct varieties, two year
old, low budded, field grown
plants may be had for $3

(Above) A collection of giant
double flowered zinnias rang­
ing in color from light rose,
through the apricot and orange shades to deep red is
$5 for 12 packets

Gladioli if planted from April
to July will bloom until frost.
A collection of fifty bulbs
covering practically every
shade may be purchased for $2
## The Gardener's Calendar for March

**SUNDAY**

- **1. If you have not already done so, all the flowers that are not yet in bloom should be clipped.**
- **2. The time to start setting out box, willow and some other plants is now.**
- **3. Seeds for belladonna, salvia, marjoram, etc., should be put in seed boxes.**
- **4. All the flowers that are now in bloom should be clipped.**
- **5. Prunus, Japan apricot, should be transplanted if necessary.**
- **6. The time to plant lettuce and other spring greens is now.**
- **7. Cut any rosebushes that are growing too large.**
- **8. The time to plant beans is now.**
- **9. The time to plant onions is now.**
- **10. The time to plant carrots is now.**
- **11. The time to plant radishes is now.**
- **12. The time to plant celery is now.**
- **13. The time to plant lettuce and other spring greens is now.**
- **14. The time to plant peas is now.**
- **15. The time to plant potatoes is now.**
- **16. The time to plant squashes and pumpkins is now.**
- **17. The time to plant cucumbers is now.**
- **18. The time to plant melons is now.**
- **19. The time to plant tomatoes is now.**
- **20. The time to plant eggplants is now.**
- **21. The time to plant peppers is now.**
- **22. The time to plant okra is now.**
- **23. The time to plant chrysanthemums is now.**
- **24. The time to plant aster is now.**
- **25. The time to plant marigolds is now.**
- **26. The time to plant nasturtium is now.**
- **27. The time to plant calendula is now.**
- **28. The time to plant sunflowers is now.**
- **29. The time to plant zinnias is now.**
- **30. The time to plant salvia is now.**
- **31. The time to plant phlox is now.**

**MONDAY**

- **1. The time to plant sweet peas is now.**
- **2. The time to plant snapdragons is now.**
- **3. The time to plant stock is now.**
- **4. The time to plant larkspur is now.**
- **5. The time to plant Canterbury bells is now.**
- **6. The time to plant honesty is now.**
- **7. The time to plant foxgloves is now.**
- **8. The time to plant phlox is now.**
- **9. The time to plant salvia is now.**
- **10. The time to plant phlox is now.**
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- **26. The time to plant honesty is now.**
- **27. The time to plant foxgloves is now.**
- **28. The time to plant phlox is now.**
- **29. The time to plant salvia is now.**
- **30. The time to plant phlox is now.**
- **31. The time to plant sweet peas is now.**

**TUESDAY**

- **1. The time to plant sweet peas is now.**
- **2. The time to plant snapdragons is now.**
- **3. The time to plant stock is now.**
- **4. The time to plant larkspur is now.**
- **5. The time to plant Canterbury bells is now.**
- **6. The time to plant honesty is now.**
- **7. The time to plant foxgloves is now.**
- **8. The time to plant phlox is now.**
- **9. The time to plant salvia is now.**
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- **25. The time to plant Canterbury bells is now.**
- **26. The time to plant honesty is now.**
- **27. The time to plant foxgloves is now.**
- **28. The time to plant phlox is now.**
- **29. The time to plant salvia is now.**
- **30. The time to plant phlox is now.**
- **31. The time to plant sweet peas is now.**

**WEDNESDAY**

- **1. The time to plant sweet peas is now.**
- **2. The time to plant snapdragons is now.**
- **3. The time to plant stock is now.**
- **4. The time to plant larkspur is now.**
- **5. The time to plant Canterbury bells is now.**
- **6. The time to plant honesty is now.**
- **7. The time to plant foxgloves is now.**
- **8. The time to plant phlox is now.**
- **9. The time to plant salvia is now.**
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- **19. The time to plant salvia is now.**
- **20. The time to plant phlox is now.**
- **21. The time to plant sweet peas is now.**
- **22. The time to plant snapdragons is now.**
- **23. The time to plant stock is now.**
- **24. The time to plant larkspur is now.**
- **25. The time to plant Canterbury bells is now.**
- **26. The time to plant honesty is now.**
- **27. The time to plant foxgloves is now.**
- **28. The time to plant phlox is now.**
- **29. The time to plant salvia is now.**
- **30. The time to plant phlox is now.**
- **31. The time to plant sweet peas is now.**

**THURSDAY**

- **1. The time to plant sweet peas is now.**
- **2. The time to plant snapdragons is now.**
- **3. The time to plant stock is now.**
- **4. The time to plant larkspur is now.**
- **5. The time to plant Canterbury bells is now.**
- **6. The time to plant honesty is now.**
- **7. The time to plant foxgloves is now.**
- **8. The time to plant phlox is now.**
- **9. The time to plant salvia is now.**
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- **12. The time to plant snapdragons is now.**
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- **31. The time to plant sweet peas is now.**

**FRANCIS BACON**

"For March," says Bacon, in the essay on the art of landscape gardening in which he exhorts "There ought to be gardens for all months of the year, in which, several things of beauty may be in season.... In March there come violets, especially the single blue, which are the earliest, the yellow daffodil, the daisy, the almond-tree in blossom, the cornelian tree in blossom, sweet briar."
The Secret of the Sampler

is in the background of eighty years—three generations of fine ideals in candy making.

The success of the Sampler is due not only to the quality of the chocolates and confections inside, but to the happy choice of the ten kinds in the seventeen ounce package, called by courtesy a "pound."

It is the continent-covering candy, sold in all those selected stores (usually the best drug stores in every community) that are agents for the sale of Whitman's Chocolates.

The Sampler is a liberal education in quality sweets. It points the way to equally individual and meritorious assortments, made, packed, sealed and guaranteed by Whitman's.


Also makers of Whitman's Instantaneous Chocolate, Cocoa and Marshmallow Whip

New York Branch: 215 W. 33rd St.
Chicago Branch: 1537 Michigan Ave., South
San Francisco Branch: 409 Mintie St.
The community space in Sutton Place consists of a broad stretch of lawn. A flagged path runs along the edge of the river terrace, with a wrought-iron fence protecting the bluff.

In the rear of the Casino the space is divided into elaborate box parterres, surrounded by a low wall guarded by the caryatides. A strip of mosaic pavement forms an approach to the terminal gate.
VERSAILLES - COLFAX - GRISWOLD - EDGEWORTH - FAIRFAX - MYTHOLOGIQUE

**GORHAM**

**Variety** of Pattern, Purity of Design and Excellence of Workmanship have long distinguished the Art of Gorham. The beautiful collection of Sterling Silver Flat Ware illustrated in this announcement embraces all appropriate forms of ornament, and offers a pattern to suit every taste. Each design is worthy of its Silver; and is an investment in fine art and precious metal.

**Highest Quality**

**NOT Highest Price**

Gorham Productions in Sterling Silver made by the four associated plants are obtainable from 6500 authorized dealers throughout the country, together with Silver Plated Wares of characteristic Gorham elegance, though the same patterns are never repeated in both.

**Fifth Avenue and 34th Street**

**17 Maiden Lane**

New York
A Villa of the Italian Renaissance

(Continued from page 92)

In our first glimpse of the upper gardens the Casino seems to rest superbly on the shoulders of the colossal river gods who keep watch over all intruders from the outside world. The approach seems to have been designed with this perspective in mind, but it is far from clear in view of even the penetrations in the arched ceiling of the loggia have been purposely planted to give a full body of the colossal arquebuses of the brothers Zucatti. On entering the garden of first patina, what grasses for the little Sienna, and Penetente, who from their lofty pedestals give warning for one's behavior, while from the base of the first turquoise pool a flat grinning mask blisters and splatters a Joker welcome. Once gathered within the outstretched arms of the lower court, the two flanking pavilions offer an opporuty for the creation to be more artistic before ascending to the higher terraces. But one's curiosity is aroused by the rippling of the water down the long cascade and there is a desire to see what may be beyond those formidable giants at the top of the ramp. A chain of dolphins, long and beautifully chiselled, directing in playful lines the course of the water down a narrow ramp, is so fascinating that the second level is gained while one is unconscious of the many steps climbed. On either side are walls retaining the natural contour through which the ramp is cut on an easier scale—high walls, simply treated, with paneling, niches and cornices, giving a sense of enclosure and an added force to the perspective picture.

THE SECOND LEVEL

The second level, an oval groto-like enclosure with curved stair ramps ascending on either side, echoes the spalsh of many fountains. Fountain masks appear from every recess, formed by the coarse rustication of the walls, and pour their songs of merriment or tragedy into the shell-like basins and vases. The giants of the mask, representing the great play of water, are now gruesomely pained while one is unconscious of the hour of evening light, the pageantry of Renaissance life. The ascent is made by ramps that start from the rear outer corners of the terrace and toward the Casino along the wall that retains the upper level. At the foot of the ramps are gates that lead into the depths of the surrounding chestnut grove or of the fertile vineyards. Here, in the sculptural ornament and play of water that distinguishes this garden, Chubbly dolphins, in step-like fashion along the outer edge of the ramp, relay the water from one to another until it reaches its lowest level.

Having gained the fourth and highest terrace one is at the rear of the Casino, the backyard or more intimate part of the scheme. A broad panel of turf, constrained to agreeable proportions, retaining all this rusticity and colored by two flat lateral fountain bowls and a very beautiful marble centred by two flat lateral fountain bowls. The water that distinguishes this garden, Farnese Fleur-de-lis has not only decorated pedestals, fountains and cornices, but has literally been made to cover the earth in pebbles of dark touchstone silhouetted against a pure white background of silicate.

Before entering the Casino a glance must be given to the flower gardens which rise in three low terraces on either side of the alleyway of the rear gateway. They are almost in total of seats surmounted by circular intervals of boxwood, silhouetted against a pure white background of silicate. Here on these sculptured terraces, richly scented with odor of flowers and sweet herbs, gaily colored (Continued on page 96)
The character and prestige of Cadillac owners impart special significance to their cordial praise of their car.

Almost without exception, the men and women who own Cadillacs are prominent in the professional, business, social or public life of their communities.

In many instances, they are celebrities of international importance, honored for their attainments in the old world and in the new.

Naturally, these men and women select their motor car with the most particular care.

It must be beautiful and fine, because love of these qualities is woven deeply into their being by prolonged intimacy with fine and beautiful things.

In addition, it must be a leader—in all of the elements which comprise motor car leadership—in order adequately to represent their ideals and standards.

Above all it must be dependable, for the importance of their affairs makes reliability not merely a virtue, but a cardinal necessity.

All of these qualities they know that the Cadillac possesses, and their choice of the car is one of the most graceful tributes that could be paid to its leadership.

CADILLAC MOTOR CAR COMPANY, DETROIT, MICHIGAN

Division of General Motors Corporation
SURELY the high reputation of Smith & Wesson, won by half a century of Superior performance, is sufficient guide for the selection of your Revolver.

No arms are genuine Smith & Wesson Arms unless they bear, plainly marked on the barrel, the name SMITH & WESSON, SPRINGFIELD, MASS.

Catalogue sent on request
Address Department F

A Villa of the Italian Renaissance

(Continued from page 94)

with roses and iris, one can picture silks and satins, brocade and crinoline not incongruous with this more sophisticated nature. Returning to the central avenue, one may wander through the hemicycle of pylons, which forms the terminal gateway, to either of the "Porta Gigli" which leads out of the property by a side road or along the path to the right which meanders through the woods back to the main palace.

But the Casino still demands attention. It may be entered either from the piazza garden where one proceeds to the main floor by a winding flight of stairs or from the upper level directly into one of the two loggias, which occupy nearly half the area of the Casino and extend almost from front to back with only a narrow passage between. In this narrow passage is a double stairway leading to the servant's loft overhead and the loggia below. Opposite the stairway is a tiny chapel once decorated, according to tradition, with a "Descent from the Cross" by Guido Reni. The entire purpose of the Casino seems to have been centered in the loggias on which the gardens focus and the most beautiful decorations are lavished. The rooms on either side seem to have had an incidental function; they are devoid of decoration. The façade, once decorated by sgraffito designs, is now grim enough; but, still beautiful, it is a tribute to the old rule that good proportion may be enhanced by fine decoration, but no amount of fine decoration can atone for bad proportion.

The delicacy of Vignola's proportions and the fitness of the Zuccari frescoes created an open air salon that must have inspired many a noble gathering and many a gay banquet. What must have been the satisfaction of Cardinal Odoardo to watch during the long evening hours from his exalted loggia the promenading of his favorites!

Odoardo lived but a few years to enjoy his "Villa Delfizia" after its completion, but, according to the documents of the time, he added a new lustre and value to the Caprarola Tradition. Certainly, in order that the prestige of the Farnese dynasty should not diminish it was necessary that each successor should inherit not only the title but the wisdom of Paul III or Cardinal Alessandro. Unfortunately this could not be; through the tyrannical and ambitious character of the later Farnese the family fortune was soon exhausted and their influence lost. With the death of Alessandro Farnese in 1734 the male line became extinct and the Villa Caprarola was left to his niece, Elisabetta, whose marriage to King Philip V of Spain and Naples, transferred the Farnese possessions to the house of Bourbon, in whose possession the property still remains. Caprarola enjoyed a brief hundred years of supremacy but during that century of magnificent life was invested one of the richest traditions of the Golden Age.

The palace and gardens were still the scene of brilliant functions until 1775 and even in 1841 Gregory XVI paid a brief visit. But in the declining days there was a touch of pathos even in those occasional revivals of camouflaged splendor.

It should be significant to students of this day, that in Caprarola, the superb garden creation of Vignola, as well as his other garden plans, the Villa Papa Giaito in Rome and the Villa Lante at Bagnaia, is found only the adaptation of his characteristic solutions of his particular problem. He was confronted with a tremendous problem and it is to his great credit that, although a thorough student of classic art, he was still capable of interpreting his marvelous discoveries in a way truly expressive of his own generation.

The day of Caprarola has passed. Our social and economic life has undergone a change comparable to the dark ages; we cannot now hope to build so pretentiously, carelessly of cost, with beauty our only consideration, but the tradition of Caprarola—originality of scheme, fitness to purpose, unity of conception, harmony with natural conditions and perfection of detail and proportion—should be an everlasting inspiration to those who would build beautifully.

Bringing the Country to Town

(Continued from page 73)

Nothing gives the illusion of having brought the country to town like a flowered wall paper. The sketch on page 72 shows walls covered in a paper copied from an old Chinese Chippendale design. It has an apple green background with birds, flowers and butterflies in every pleasant color imaginable. As this is the most decorative feature of the room, it should be played up to and emphasized. Curtains of some bright fabric covered with the same design would be quite out of place against such a gay background. Hangings and furniture coverings in a room with a flowered wall paper should tone in with the background of the paper and not count for much in themselves. This does not mean that the room need be lacking in color interest, for such incidentals as lamp shades, sofa cushions, a bit of porcelain here and there, perhaps a vivid little red lacquer table by a sofa can be counted on to give the varied color tones.

In striking contrast to these rooms is the little Victorian morning room sketched on page 73. The main characteristic of an interior of this kind is a certain old-world charm and quaintness. Here the walls are very pale green, exactly the right shade for the amusing chandelier of calla lilies and leaves made of green and white Bristol glass. The note of green is repeated in the upholstery of the mahogany chairs, a soft brocade of small design. In front of the window stands an old spinet that has a certain decorative quality apart from its quaintness.

When planning a morning room give yourself to your tastes. This room belongs to you. Here should be your favorite books and the colors most expressive of you. Let the rest of the family put the things their hearts long for elsewhere. This is yours. Make it charming and informal and above all gay. If it is in a city house or apartment try and make it the atmosphere of a country house living room.
In addition to its other fine qualities, it is doubtful if there has ever been a car which handles with the delightful ease that characterizes the Packard.

This is not simply our own conviction—it is probably safe to say that this opinion is universal among owners of the Packard Single-Six.

Touring Car, Five-Passenger, #2485
at Detroit
The quaint gable overhead, reached by an enclosed stairway from the studio, became a master's bedroom and bath. Open to the roof, with the secrets of the ancient rafters laid bare the room possesses both romance and charm. It is abundantly lighted by English casements, and windows that fold back upon themselves, forming practically an outdoor sleeping room. From the waste spaces under the eaves closets were enclosed, while back of the huge chimney a corridor leads to a surprisingly ample attic space. Opening off the narrow hall is a small window that gives a unique and wholly unexpected view of the lofty studio.

The east end is the open shed that once gave hospitable refuge to visiting carriages, and which has not even now really changed its guise, despite the fact the roof was raised to allow of sufficient head room to make it habitable. The result is a guest room, with an ingeniously contrived bath and clothes press adjoining.

In order to accommodate the massive chimney, the hay-mow on the left entirely torn away and this necessitates a corresponding structural change. Since the original post supporting the roof was removed, a truss was substituted, new 8 x 8 inch beams were substituted, new concrete floor was laid under the roof, and wrought iron electric candles is suspended by chains from the roof, and brought into lights of a primitive character are but intervals against the exposed beams about the room.

From whatever aspect Three Barns is viewed, the chimney composed of masonry but from a distance since it is thrown into sharp relief the deep red color of the walls.

Within the studio its charm is less apparent, for apart from the hospitable atmosphere, which a fireplace of the old-fashioned sort invades, its treatment here forms one of the most salient points of architectural interest. Composed of native concrete, it measures 14' broad at the base, with an 8' fire opening, capped by holding the great logs of Elizabeth days.

At either end of the chimney stones walls have been carried into the roof to a depth of 8' and the parts joined by a slab of reinforced concrete to support the chimney and also to lend a touch of realism to the scene.

To support the chimney and also to lend a touch of realism to the scene, an old cart wheel, fitted with wooden dowels that pin the parts together, was used so that harmony of outward appearance or to interfere with the lines of the primitive architecture. The building was made habitable and weather-proof, by applying a layer of building felt to the old roof, new oak floors were laid and new windows put in.

Of the latter, some were double-hung, others of the casing or folding type.

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Shade, Sheen and Surface

It is most important to remember that Técla Pearls possess not only the feeling of Oriental pearls, in shade and sheen, but also the unmistakable feel of Oriental pearls, in the scarcely perceptible irregularities of surface characteristic of the deep-sea gem.

Técla Pearl Necklaces with Genuine Diamond Clasps $100 to $500

Técla
398 Fifth Avenue, New York
10 Rue de la Paix, Paris
7 Old Bond Street, London
Announcing the Pricing of Our Furniture to the Public

THROUGHOUT America, foremost furniture stores now have on display the group pictured above. Developed in all American walnut, embellished with fancy burr, these pieces will bring a delightful note of richness to reception hall, living room and library. They may be purchased wherever shown, separately or en suite at these prices, to which your Berkey & Gay merchant will add freight charges:

<table>
<thead>
<tr>
<th>Item</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Console Table</td>
<td>$60</td>
</tr>
<tr>
<td>Mirror</td>
<td>35</td>
</tr>
<tr>
<td>Hall Chair</td>
<td>$40</td>
</tr>
<tr>
<td>Armchair</td>
<td>60</td>
</tr>
</tbody>
</table>

It is to give you a fuller understanding of how easily you may endow your home with an individual charm and distinction — to make it more clear that furniture of true worth is within the reach of moderate incomes, that Berkey & Gay Furniture will henceforth be priced nationally.

For over 60 years, we have been building furniture for you — honest in quality, faithful in craftsmanship, distinguished in design. Now we go further. By pricing our furniture nationally, we enable you to buy, confident of quality, sure in the knowledge that the price you pay is uniform throughout the country. Thus, uncertainty is taken out of your purchasing, shopping-about is eliminated. Henceforth, you have a standard by which to judge.

Your Berkey & Gay merchant invites you most cordially to see the pieces featured during March. Their moderate cost renders them available for any American home.

Our brochure, illustrating and describing this interesting group, together with name of nearest Berkey & Gay merchant, send on request.

BERKEY & GAY FURNITURE COMPANY

444 Monroe Avenue
Grand Rapids, Michigan

New York Wholesale Showroom: 115 West 40th Street
(Admission by letter of introduction from your merchant)

The Greatest Rose Garden in the World

(Continued from page 33)

times, developed practically, the results are unhappy.

I feel it easier to obtain a continuous brilliant effect in an ensemble of roses by opposing contrasting colors, or assembling lightly varied shades. Moreover, to aid the foliage, rose bushes often being unable perfectly to make the indispensable green background, it is necessary to place green hedges of other plants with thick dark green leaves. The mixing of different colored roses does not handicap the maintenance of a methodical distribution in the collection, but to repeat the same rose in the plots or along the ornamentation means reducing the capacity of the garden so far as the collection is concerned. This is the reason why the single color parterres are kept to the center only of these particular rose gardens. Although it is true that a garden should not be considered merely from a scientific point of view, it is no less true that a spectacular display can easily be so arranged that one's interest in the individual varieties of the collection can be maintained.

In the gardens of L'Hay, the area of which is five acres, there are from eight to ten thousand distinct varieties of roses, and although strict method is applied in the distribution, no efforts have been spared to prevent the monotony of a mere scientific garden. It is divided into twelve plots, which, visited in due order, show the various gradual steps in the evolution of roses since their first appearance up to this date.

The wide space where the "water mirror" is located is in the center of the garden and is named "The garden of the most beautiful roses". It is encircled by pyramids of roses. To the right are the old and to the left the contemporary varieties.

Beginning at the right, we first find the collection of interesting species from the botanic and horticultural points of view: then come the old rose gallica, the roses centifolia, or "hundred leaved roses of Roman feasts and of the painters of yesterday", the "Gros Provins", the "Nymphal Limb", the "Tassel of Saint Franchis", etc. After that division follows the one bearing the roses that Empress Josephine used to cultivate at Malmaison. There are the ones bearing such pretty names as "Chloris", "Cloto", "Almable amie", "Bataille tendre", "Toscane", "Belgian Sultane", "Nouveau petit serment". They are the centifolia or cabbage roses, the Damascans, the Everpreens. Then, nearing the central division, comes the collection of Oriental roses where can be found roses from India, the ever-blooming of China, Japan, Bengal and Persia, imported...
Even if your attention were drawn to nothing further than the exterior beauty of the new Lincoln, that beauty would immediately command, and merit, your respect.

For the perceptible things so pleasing to a Lincoln observer rest their appeal on three fundamentals. These are good taste, purity in design and refinement, and a quality that knows neither sparing nor compromise.

Are not these things the rudiments of that enduring beauty from which the years cannot detract?
since the end of the 38th Century to our days. It is from hybridizing those with the rosa gallica that contemporary horticulturists obtained, during the 19th Century and these last few years, the prettiest of our roses, particularly the climbing hybrids and the tea roses.

The unnumbered parterres of the central part thus have been reviewed.

To the left are the roses created during the last few years right in the Little Hay gardens. Here can be admired “Mme. R. Colli” and “Victorous France.” Then come the new roses which were awarded prizes at the annual Bagatelle flower fair, such as, “Marquise de Steury,” awarded first gold medal at Bagatelle in 1907, “Reia Reid,” created by E. Grey Hill, of Richmond, Indiana, and the “Lyon Rose,” “Jonee J. L. Mock,” “Sunburst,” “Mme. Edmund Rostand,” “Beau de Lyon,” “Queen Alexander,” “Nevrova Van Tets,” “Paul’s Scarlet Climber,” the admirable “Wichurana” which has such wonderful scarlet petals, the beautiful yellow roses of Pernet-Ducher “Renee Seinan,” “Souverain de Claudius Pernet,” and “Mrs. Weym Quinn” of Dickson, also “Los Angeles,” the American success of 1916, introduced by Howard & Smith of Los Angeles.

It might be worth pointing out that when I intended establishing a rose garden in the reconstructed gardens of Bagatelle, in 1905, Mr. Gravereaux offered me all the rose plants which formed our best collection, all taken from the Little Hay gardens.

In the “Roserie de Madame,” Madame’s own rose garden, are found the varieties of the most coveted roses of today, such as the “Ulrich Brunner,” “Caroline Testout,” “Mme. Abel Chatenay,” “Lady Hillington,” “Mme. Rivarly,” “Laurent Carle,” “Clo Fouquet,” “Juliet,” etc., and besides the great flowers, the small roses which were at one time so popular in America for men’s wear and house decoration.

Then, at last, comes the experimental plot where are gathered the new roses obtained by Mr. Gravereaux, patient and careful selections for the production of rose essence. He has named this division “The Collection of Perfumed Roses.” There are, together with the hybrid varieties which he obtained, other varieties of roses cultivated in territories widely known as producers of rose essence, such as Bulgaria, Tunis and Provence.

Mr. Gravereaux has put the finishing touch to his work by forming a Rose Museum. Everything that mentions the rose or has been inspired in its form and decorative worth; all sorts of woven fabrics, chinu, sculptures, paintings, metal and wood carvings, etc., are represented in the collection of the charming little rustic house, built within the gardens, facing the central parterres.

One day, when Mr. Gravereaux was showing the contents of his little museum to the poet D’Annunzio, he even showed him a collection of postage stamps adorned with roses. “That, Sir, is the right,” said the poet soldier smiling, “when love is the guide, extremes are created, the stars of art attainable.” This sentiment is shared by all horticulturists and lovers of roses who have derived from Mr. Gravereaux’s achievements so much assistance and inspiration.

The Stars and Flowers

Old English Herbals”, recently published, has some particularly striking herbal material. The Anglo-Saxon peasant, she says, “went to gather his healing herbs he may have used Christian prayers and ceremonies, but he did not forget the goddess of the dawn. It is noteworthy how frequently we find the injunction that the herb must be picked at sunrise or when day and night divide, how often stress is laid upon looking towards the east, and praying ‘as the sun giveth to west and south west’.

The ceremonies are all mysterious and suggestive, but behind them always lies the ancient ineradicable worship of Nature. To what dim past does that hang the sky over the nation and bring forth the dawn which thou hast given to the nations?... Hear, I beseech thee, the nations... and the nations to save them and grant me... whatsoever herb thy power doth pronounce, give, live, pray, with good will to all nations to save them and grant me this my victory.”

From one of these early herbals she gives the instructions for gathering the “joyous flower” of the marigold: “It must be taken only when the moon is in the sign of the Virgin, and not when Jupiter is in the ascendant, for then the herb loses its virtue.” And the gatherer, who must be out of deadly sin, must say three Pater Nosters and three Ave Maris Stella and a strange flower called Asterion or Lunarly she quotes this romantic information: “The stalk of this herb is red and thence herb semeth as it were musk and the joyce thereof is yellow and this grotheth in the Moone without leafe (leaf) and every day springeth a newe leaf to the end of thirteen days and after these days it loseth every day a leave as the Moonewaneth and it springeth and wanoeth as the Moonewaneth. Whereafter the growth there groweth great quantitate.”

Lunary was supposed to be very efficacious in the cure of “the falling eell.”

There is a pretty Christian legend of great imaginative suggestiveness thus retold by Mr. Charles M. Skinner in his “Myths and Legends of Flowers, Fruits and Plants.” The little flower we call Star of Bethlehem, whose bulb is roasted and eaten by orientals, is part of that very light which shone in the heavens at the birth of Christ, and after it had led the wise men and shepherds to the manger it burst, like a meteor, scattering scents of flowers about the fields. It was as if it had been drawn from the glorious company of the skies by the great artist of the Babe, Joseph, going out at dawn, gathered handfuls of these blossoms and in the winter earth, putting them into the lap of Mary, said, “See, the star in the east has fallen and borne fruit in kind.”

Here is a symbol which crystallizes in a beautiful, simple form man’s imaginative poetic sense and the mystic connection between the flowers of the sky, and the stars of the earth. In a world where, for all our scientifically advanced science, everything remains mystery.
Famous old fable retold
in pictures on this
Toile de Jouy

La Fontaine’s “The Miller, his Son and the Ass” the theme of a unique print

Among the famous Toiles de Jouy executed at the end of the 18th Century there are none more charming than those which relate in pictures familiar myths and allegories.

The design for the interesting piece illustrated here was taken from one of La Fontaine’s immortal fables. The artist—probably J. B. Huet—took the dramatic points of the fable of “The Miller, his Son and the Ass” and composed them charmingly. The design was then printed in Oberkampf’s famous manufactory at Jouy.

Now it has been printed again in France for the exclusive use of F. Schumacher & Co. in this country.

This unique print together with others as interesting may be seen and purchased through your own decorator or upholsterer. In addition to prints Schumacher offers many other distinctive fabrics appropriate for decorating any type of room. F. Schumacher & Co., Importers, Manufacturers, Distributors to the trade only of Decorative Drapery and Upholstery Fabrics, 60 West 40th Street, New York. Offices in Boston, Chicago, and Philadelphia.
Spring and Sanitas go hand in hand

Spring calls for new wall decorations, from reception hall to guest-room. You may have comfortable, colorful pattern effects, or manifest a greater degree of sophistication in areas of flat tints, tastefully relieved by stencelings, frescoes, a painted frieze, Tiffany blending, or stippling. Whatever your preferred treatment, you will look with pride on the enduring beauty and permanent freshness of any room decorated with Sanitas.

The surface of Sanitas is made of durable oil colors. It does not fade, absorb grease or moisture, or collect dust, and it can be wiped clean with a damp cloth. Because Sanitas is made of cloth, it can be applied to any surface. It does not tear, crack or peel. It conceals properly filled cracks in old walls, and used over composition wall-boards relieves the necessity for panel strips, as the seams do not show through when treated properly.

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DEPT. 21
For nineteen years of manufacturing automobiles, quality has been Reo's first and most vital consideration.

All Reo passenger cars are mounted on the famous Reo double-framed chassis, powered with the incomparable Reo six-cylinder 50 horsepower engine, and fitted with the distinctive Reo dual foot control.

The price of the 4-passenger Coupe, illustrated above, is $1835 at Lansing; add Federal tax.

**Models and Prices**

- 4-Passenger Coupe: $1835
- 5-Passenger Sedan: $1885
- New Phaeton Reo: $1645
- Seven-Passenger Touring Reo: $1485
- "Four-Door Brooklan" Reo: $2185

At Lansing, add Federal Tax.

REO MOTOR CAR COMPANY, Lansing, Mich.
Quickly, as you finish your work, the beauty of a rich, velvety lustre appears; and all vital processes resolve themselves in their final analysis into an unknown creative act for which the word "magic" is as good a word as any, that astral agencies may exercise a potent influence over flowers is not necessarily an absurd or superstitious suggestion.

That one plant on which all our earth-life is dependent, namely the sun, is responsible for the coloration of flowers is a matter of quite rudimentary knowledge. So far as we can know, we know that the colors of the flowers come of their individual reception of the white light of the sun. Each flower selecting or rejecting one or other of those spectral colors of which that white light is composed. "A red flower, for instance," says a scientific authority, "absorbs the blue and green rays and most of the yellow. It reflects red, and usually some yellow are scattered." How the flower does it, and why, remains the flower's secret. It is not their color, one plant is thus absorbed and differentiated, why not the other? Why may there not be other influences, "waves" of other potencies, emanating from the planets, charged the flowers with other qualities, such as their perfume, their form, their dynamic properties of growth, their "enmy to blood of man", or the friendly elevations they bring to their nerves, their mysterious powers to soothe, to inspire, to sadden or to destroy?

With their roots in the earth, their faces to the sky, strange little alemics, alchemising sunlight and dew and the angels in the soil in which they grow, may we not also alchemise starlight and moonlight? Why may they not draw from them this essence, catching in their direct forms of a loveliness which is felt to be unearthly the spiritual music, the timeless reverie and dream of the radiant, brooding Infinite?

Though they grow upon the earth, we cannot but feel that they came from heaven, and that old Culpepper was not so far astray when he said that "he who would know the reason or the operation of the herbs must look up as high as the stars."

LIME FOR SOIL ENRICHMENT

I T IS a well known fact that vegeta-
tables require a coarse, open, and friable soil. For that reason, sandy or porous soils are generally selected for vegetable crops because of their natural suitability. The ordinary home-owner cannot select his soil, but must make the best use of the land in his back yard, and must adapt his soil to the requirements for very sensitive vegetable plants.

Circumstances then require that the gardener make the best of conditions through artificial means. He must make a firmly friable soil out of a heavy stonish one. There are various forces he can employ, the cumulative forces of which will give the desirable physical condition in his soil. One of the common aids to this end is the mixing of coal ashes with the soil at the time of planting. A second is the natural action of alternate freezing and thawing. A third is one at his command, and it is very simple, namely, the use of lime.

Burnt forms of lime, of which the old garden lime—obtainable at the building supply dealer—it is the most convenient to use, has the power of crumpling the soil in the yard, and making the garden area take up the apparent properties of a sandy class of soil. At the same time that it gives these desirable physical qualities, the lime also creates the soil favorable chemical and biological conditions to which most vegetable crops respond, both in yield and quality.

JOHN A. SLEEPER

How to Prepare the Soil

(Continued from page 80)

free to you!

A can of Old English Wax free if you buy an Old English Wax-Polisher now. This new labor-saving device does two things—it waxes, and then polishes the floor. It's a great invention that saves you time and work.

Old English costs less

Because it goes farther and lasts longer, the actual cost of using Old English Wax is about one-third that of most other finishes.

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A new invention that saves time and work

A special finish for linoleum floors

How to preserve the beauty of your furniture

The care and finish for interior woodwork

How to remove old varnish or shellac

How to fill floor cracks

How to prepare floors for polishing

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Estimates and general advice based on over 2 years of experience—all will be found in this free book, a copy of which we are holding for you.

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H O U S E & G A R D E N

The Stars and Flowers

(Continued from page 102)

this free book, a copy of which we are holding for you.

T IS a well known fact that vegetables require a coarse, open, and friable soil. For that reason, sandy or porous soils are generally selected for vegetable crops because of their natural suitability. The ordinary home-owner cannot select his soil, but must make the best use of the land in his back yard, and must adapt his soil to the requirements for very sensitive vegetable plants.

Circumstances then require that the gardener make the best of conditions through artificial means. He must make a firmly friable soil out of a heavy stonish one. There are various forces he can employ, the cumulative forces of which will give the desirable physical condition in his soil. One of the common aids to this end is the mixing of coal ashes with the soil at the time of planting. A second is the natural action of alternate freezing and thawing. A third is one at his command, and it is very simple, namely, the use of lime.

Burnt forms of lime, of which the old garden lime—obtainable at the building supply dealer—it is the most convenient to use, has the power of crumpling the soil in the yard, and making the garden area take up the apparent properties of a sandy class of soil. At the same time that it gives these desirable physical qualities, the lime also creates the soil favorable chemical and biological conditions to which most vegetable crops respond, both in yield and quality.

JOHN A. SLEEPER

How to Prepare the Soil

(Continued from page 80)

fibrous roots did remarkably well. I remember especially the fine growth the viburnums and corns and eucalyptus made. All kinds of roses, like the sweet briar, and the wild varieties, were very lovely too. But trees never got a start, even the cedar near the house never got really happy and all sorts that searched for food beneath this layer of soil found their roots penetrating into the salt sand. When their roots came in contact with salt water whenever there was an unusually high tide they were quickly starved and starved looking, and died after a short struggle for existence.

When money for soil become more and more restricted, attempts were made to put the plants in little pockets of soil—to start them in the same soil the plants, too, remained starved and dwarfed when they lived at all and the windbreaks that they should have made were never achieved.

In ordinary soils, however, this idea of enriching the soil immediately around the plants by placing a little manure mixed with good soil at the bottom of each hole is not a bad idea. What it saves in topsoil and manure is not always commensurate, however, with the extra time and labor and superintendence required by the kind of planting. It is better to spread a layer of manure over the planting area and plough or fork it in. Bone meal and wood ashes can be added to this mixture. About one pound to the very 50 square feet will be enough for a heavy soil. Sand can be added in small quantities for a too heavy soil. One and a half yards of compost per square yard is a reasonable estimate for a border ten feet wide by a hundred feet long. To all this preliminary work some extra good top soil—about three yards for the same area above mentioned. This can be dug from the area or dumped in piles and used as required when the planting is done.

To all this note that the preparation recommended for the common run of nursery stock—for shrubs and trees of ordinary nurcery sizes. The smaller and younger the plants the easier of course, they will adapt themselves to moving and new (Continued on page 108)
Inspired by the Classic revival with its tendency toward greater simplicity, the French cabinetmakers of the late XVIII Century created a style of Furniture which remains unsurpassed in beauty of proportion, ornament and decoration.

Because of these qualities the Furniture of that time is admirably adapted to the American home of today, as is well exemplified by the charming Sleeping Room and adjoining Boudoir pictured above. The graceful Louis Seize bed, chaise longue and chair, finished in a subdued glaze, are richly contrasted by other pieces aglow with the exuberant color of tulip and satinwood.

Those who would infuse their surroundings with like charm will derive a wealth of suggestion from a stroll through the interesting Galleries of this establishment. Here one may assemble, piece by piece, an interior of the simplest character, yet achieve an individuality which only unconventional appointments can make possible.

New York Galleries
INCORPORATED
Furniture and Decoration
417-421 MADISON AVENUE
48th-49th Streets ~ New York

Furniture : : Decorative Objects : : Reproductions
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No More Shade Troubles!

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and so in millions of American homes, housewives of
intelligence have come to realize that if silent, unnoticed,
dependable shade service is to be had, their shades MUST
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The automatic spring shade roller was invented by Stewart
Hartshorn way back in the sixties. It has since maintained its
reputation of being the only shade roller that will prove and
guarding its quality so that today it is the only shade roller nationally known by name and the only one so
high in quality that it is recommended by high class retailers.

On request, we will send with our compliments, a copy of the
latest edition of Mrs. Alice Burnet Irvine’s “Shade Craft and
Harmonious Decoration,” a booklet invaluable in home decoration.

How to Prepare the Soil

(Continued from page 106)

conditions. For choice shrubs more
careful preparation is advisable, more top soil, more bone-meal, more leaf
mold, should be incorporated into the soil when the digging is going on.
When it comes to transplanting big
trees, you cannot be too lavish in the amount of preparation you make. It
is especially valuable to make the holes wide and deep, not only to give
the tree good friable soil to start its new existence on, but that the roots can be
flattened and straightened out in a natural position before planting. A
mulching of six inches of manure over the entire root area is also desirable.

BEFORE BORDER PLANTING

For the flower garden it is a great
mistake to stint on soil preparation.
One case stands out quite forcibly in
my mind where the least possible
money was expended upon the initial
preparation of the garden. The flow-
er's plants were chosen for their tolerance of
difficult soil but the owner became so
interested in these beginnings that she
wanted more and more choice plants.

It has taken much additional labor and
costly digging in of manure to try to
improve the borders which would have
been a simple matter at the time the
garden was first laid out. For a really
good flower border, then, it is well to
take pains with thorough digging, and
to spend money on top soil and manure,
upon bone-meal and wood ashes and
wood soil—until it hurts. You will not
regret it for it will save you many an
hour and much renewal of labor later on. After the plants are in
in the ground and the garden is full of
bulbs it is always difficult to rectify
shortcomings in a garden soil prepara-
tion. The manure can be spread in
four or six inch layers and forked in as
deeply as possible; the bone-meal and
other fertilizers can be sprinkled on and
then worked into the surface.

TRENCHING

There are cases, in very sandy loca-
tions, where much of the existing soil
does not have to be discarded entirely in order to get
a good soil of sufficient depth for a

The manure with the hardpan will
sweeten the character of that level of
soil, and of course, the leaf mold, man-
ure, lime and bone-meal and the top
soil will give abundance of food. Where a bed needs draining it
might be well to throw some old
brickkats and cinders in the hole before
you lay down the turf. In my case I
did not need draining and because the
turf is very stony I took out most of
the rocks. They, of course, could be
used for drainage had drainage been
necessary. That, for a matter of fact
is the only way to make a border, if
you expect permanent results. So many
people dig down one spit and let it
plunge back to the level of that spit. I
simply cut up and dug the sides of this
turf for three days—working at it in odd moments.

THE TEST OF SOIL

It is a friable garden soil that is
important as a rich one. That is why
the soil should be thoroughly mixed and
pulverized. A gardener who had worked with
Mr. Henderson once told me that
his gardeners were never allowed to
use their hands easily into the earth
because of the danger in planting. This
was surely the master test for a friable, well
pulverized soil, for if they could
not spread their hands easily into the earth it
was not considered good enough for
planting. I should not go quite as far
as that. If a gardener can plant a
bulb, for instance, with one continuous
movement of his trowel—this movement
comprising plunging the trowel easily
into the earth with one long downward
movement, pulling it toward him while
the blade of the trowel is buried in the turf
which is a friable soil, there is no need of
any other test.

"There is nothing new about this
process. It is simply what in England
they call trenching. The turf at the
corner of the border which I put in last fall was a very simple
matter. It measures 65' long by
21' wide. After taking it out I lifted
the turf and piled it on one side. Then
I dug the first spit of soil and threw
that out on the other side. Underneath this lay the subsoil which
was more or less hardpan. As this subsoil is usually pretty firmly packed, I dug this down to a spit, throwing it
behind

BE-BE-BRED BODY ROLLERS

SHADE ROLLERS
AND
WINDOW SHADE FABRICS
Established 1860

STEWART HARTSHORN CO. 250 FIFTH AVENUE. NEW YORK CITY
Time to Re-Tire?
(Buy Fisk)

Fisk TIRE consumption has increased remarkably this past year, and continues to grow tremendously. This is an indication of sheer merit which must interest every car owner.

Fisk dealers have increased in number and in strength. New Fisk users have been added by thousands to a long established and impressive list of Fisk buyers. All the year the big Fisk factories have worked night and day; production is now pushed to the utmost capacity; orders for spring delivery far exceed those of any previous year.

You can buy Fisk Tires with surety that they will give money value and low mileage cost with trustworthy service.

There's a Fisk Tire of extra value for every car, truck or speed wagon

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March, 1923
PROTECTION for you and yours

THE home is sacred to you and your loved ones, your treasures, the quiet of your hearth. Across its threshold must come only those whom you invite. It must be secure against prowlers and unwelcome interruptions. But how?

By using Sargent Cylinder Locks on all exterior doors! These sturdy locks give unerring and unquestioned protection. Their mechanism has resulted from years of engineering study and experiment. They are as perfect in operation as it is humanly possible to make them. And they will last in constant service as long as the home itself. You cannot afford to compromise on the locks between you and the world outside! Be sure! Use the Sargent Cylinder Lock!

Connecting with the Sargent Cylinder Lock, you may use a knob and escutcheon or a door handle to match the Sargent Hardware within your home—the same fine design, the same solid, time-resisting brass or bronze. Select Sargent Hardware with your architect. Send for the Sargent Book of Designs.

SARGENT & COMPANY
Hardware Manufacturers
31 Water Street New Haven, Conn.

AN INTIMATE ROCKERY

S RING and the iris walk leads you to this delightful old Colonial house on Long Island. The red brick walk is planted thickly on either side with lavender and purple iris, with great clumps of blue anchusa and tall stalks of lupine in lavender shading to the pinky purple.

The interior is made quaint by low-beamed ceilings and the mullioned windows. The entire house is a gem, consistently furnished in the period. A great deal of maple, or, as some call it, yellow mahogany, has been used, which lightens up the interior. This wood is especially useful in a living room that opens directly out on the low piazza and is apt to suffer a little for want of light. The chintzes used are all old patterns of the English type. That used in the hall and living room is of an old farmyard scene—cream ground with mulberry. These chintzes reflect the colors that are found outside in the garden.

The dining room's low windows lead directly out into the rock garden. Most original and clever is the cutting away of the rise of the orchard directly behind the house for about fifty feet. The cobbled wall of this delightful intimate garden has a wall fountain which bubbles into a blue bowl whose edge is made of the same cobblestones. You will notice that it is not a natural pool, cleverly the designer planned around it. The space between this wall and the house is paved with broken flagstones, between which grow many varieties of small rock plants whose tiny moss-like flowers stubbornly withstand any treading upon them.

The little garden at the base of this cobbled wall is cleverly planted with perennials which at all times is an attractive continual succession of bloom and in winter evergreen shrubs make it a little picture. Over all this delightful unique spot, in fact, a rockery is always an intimate type of garden. While in large developments there may be broad acres of bloom, the real charm of all alpine plants can only be appreciated when they are seen close to. It is Lillypilla work, this developing a rockery, and requires the greatest of care in both planting and maintaining. However, one has only a little stretch of dry wall beside the house, plant it to rock plants. And the closer to the house, the more it will be enjoyed.

From the dining room one passes directly to the little sunk rockery

Sargent Cylinder Padlocks are as finely and sturdily made as a padlock can be— to their way as perfect bits of mechanism to the Sargent Cylinder Locks. They bring real beauty when used on garage, tool house or locker door, on the tire rack and chest of valuables.
Admired By Women Everywhere
The Oldsmobile Sport Roadster

Distinctive beauty finds fullest appreciation in the discriminating eyes of women. Small wonder, therefore, that the Oldsmobile Light Eight Sport Roadster is everywhere the object of feminine admiration.

Long, low, and sweepingly graceful, a rich weathered bronze green in color, with imported Burbank top and upholstery of brown Spanish leather, this roadster is the most complete sport car of its class.

Subtly, yet convincingly, it seems to reflect the rare good taste of the woman who drives it. It savors throughout of distinctive personality, of the type that is invariably associated with good breeding.

Whether for a dash to the country club, a pleasurable drive around the boulevards, a social call, or a shopping excursion, this Sport Roadster is always a fitting and dependable conveyance.

EQUIPMENT—Cast aluminum steps and golf bag carrier; two baggage compartments; front and rear; door; ventilator; cigar lighter; step lights; sun visor; drum type front head lamps and rear lamps; windshield wings; floor rug; windshield wiper; speedometer; speed light; combination stop and park ing light; rear guard rails; double tire carrier.

Price Range: Fours—$955 to $1195; Eights—$1375 to $2025.

OLDS MOTOR WORKS, LANSING, MICHIGAN
Division of General Motors Corporation

Mechanically Good

Women drive this Roadster with confidence because it is mechanically excellent as well as beautiful. Pictured below is a crankshaft undergoing test. The master mechanic works continuously on a crankshaft until it is perfectly balanced. The skill of the expert and the precision of the testing machine are reflected in the smooth-running Oldsmobile Eight engine.

General Motors Corporation, with its remarkable facilities in engineering, research and purchasing, co-operates with the engineering staff of Oldsmobile to provide every improvement that can contribute to better motor car performance.

A PRODUCT OF GENERAL MOTORS
Nothing Is “Just as Good”

TODAY, as centuries ago, Oak is still the king of flooring. In the old manor houses of England and ancient French chateaux—the show places of Europe—you find Oak Floors, still sound and beautiful after the lapse of generations. The triple crown of beauty, cleanliness and strength has never been wrested from the Monarch of the Forest.

No flooring, of wood or any other material, can surpass the quiet elegance, the rich simplicity of fine Oak Floors. They give a home more distinction, more character, than ten times their cost spent in ornamentation.

Now modern methods have placed Oak Floors within the reach of all—made them an economy, even. While we like to think of home as a permanent abode, still homes are sold or rented, and the owner who put in Oak Floors then finds that he made a wise investment which increases his selling or renting value.

In the absence of any great price advantage, it is hard to see why anyone living in the United States today should forego the pleasure and satisfaction of dustless Floors of Oak.

Three free booklets, in colors, telling the whole story of Oak, mailed free, upon request.

OAK FLOORING ADVERTISING BUREAU
1047 Ashland Block, Chicago, Ill.
A beautiful new Roofing Color revealed by a Blast in the Georgia Hills

WHOLLY new color possibilities for your roof are now available. A blast in the Georgia hills has revealed a hitherto unknown color in slate, and an entirely new slate-surfaced shingle is the result.

This new color, weathered brown, is found only in the Richardson quarries of Georgia. It is as beautiful as the russet of November fields, and with use, it mellows and deepens to a shade like the thatch of an English cottage.

No stained wood shingles can rival this rare color. You can easily see why when you remember that nature has created it as she does her jewels—by pressing it for ages under mountains of earth and rock.

Weathered brown brings new beauty to the modern home, architects say, especially when it is blended with other Richardson shingles of jade green, tile red, or black pearl.

A super-shingle

This new weathered brown is used only on the Richardson Super-Giant Shingle—a unique roofing product which you should know all about, no matter what color you select.

For this shingle offers a new degree of serviceability in a roof, just as the weathered brown offers new beauty.

First, because it is 37% larger than the ordinary shingle, fewer are needed to cover a given roofing area. Thus the cost of laying is 35% less.

Second, it is 50% thicker than the ordinary shingle and therefore lasts much longer. Incidentally this greater thickness casts a deeper shadow line that gives life and interest to the roof.

Third, because it is 100% stiffer than the ordinary shingle, it remains rigid under all kinds of weather and makes the whole roof twice as firm.

Its inner secrets

But, of course, the true measure of roofing service goes beyond the color or size of the shingle to the materials in it—felt, asphalt, and slate surfacing. And of these the life of your roof depends most upon its foundation—felt.

Note in the Richardson Super-Giant the quality of these three materials. Richardson felt, so architects or roofing dealers will tell you, has for fifty years been recognized as the best. The asphalt is refined exclusively by the Richardson process from the highest grade raw materials. And the flakes of slate surfacing found only in the Richardson quarries seal the shingle permanently against weather and fire hazards.

Prove the facts yourself

A super-shingle indeed, when you weigh its points one by one! First—absolutely exclusive color effects. Second—unusual dimensions which give you added roofing protection at 35% less in cost of laying. And finally—exceptionally high test standards in its three materials: felt, asphalt, and slate surfacing.

Go to your nearest dealer in lumber, hardware or building material, or to your contractor, and ask to see the Richardson Super-Giant Shingle in weathered brown. Feel it, weigh it, measure it, note the rare color. Then compare it with ordinary shingles—the difference will convince you.

Meanwhile, send for our beautiful new color chart showing the new color combinations of Richardson slate surfacing, and containing valuable facts on roofing. Perhaps, too, our booklet, "Roofing on the Farm," can help. Just use coupon below.

RICHARDSON COMPANY
Lockland (Cincinnati), Ohio
Melrose Park (Chicago), Ill.
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Clip and mail this coupon

For every roofing need there is a Richardson product— from Flex-a-tile Asphalt Shingles to Richardson Roll Roofing with Pyramid Capes. Consult your dealer. If he cannot supply you, write us direct.

RICHARDSON COMPANY
Lockland (Cincinnati), Ohio
Melrose Park (Chicago), Ill.
New Orleans, La.

Name
Address
When She Comes Home

Somewhere in this land of great mothers and happy fathers there is a wonderful girl who is looking forward to one day of days. Bright as a poppy, supple, strong and free, a laughing queen will come home from school for the Easter holidays. Meet her at the station in a new Jordan enclosed car of fascinating personality and charm.

It brings a pride of ownership—a delight on blustery days when the old open car brings only convenience without comfort.

JORDAN

JORDAN MOTOR CAR COMPANY, Inc., CLEVELAND, OHIO
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Mary Lucy Banks, Hollis, L. I., N. Y.

The Hanging on the Wall
(Continued from page 112)
of the tarnished gold of the mirror frame. Also if the walls are in bad condition a hanging of richly colored brocade will conceal them temporarily more successfully than anything else, and if there are any unused doors or places that need to be covered up, a length of brocade or damask will make that particular spot of the room more interesting.
The photograph at the top of page 112 shows the corner of a little morning room, done in tones of green, blue, dull old rose and gold. The walls are pale green, the furniture mostly walnut and the hangings of soft blue taffeta. Over the desk hangs a piece of old brocade in blue and green and gold. This has much the same old-world quality as the delicate Sheraton desk and Directoire chair. It brings great interest to an important wall space and makes a charming background for the painting in mellow, soft tones.
The picture at the bottom of page 112 shows a wonderful piece of 18th Century Venetian brocade in rose and silver used in quite a different manner. Apart from making a vivid and interesting background for the Directoire sofa covered in velvet, much the color of old burgundy, it successfully covers a wide, sliding door that is never used. In this case the walls are again green, a charming color for both brocade and sofa.
The photographs on this page show a silken hanging effectively used above the mantel and in the long space above the sofa. In one case a mirror is in use against it, in the other a large picture with a group of miniatures below.

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NOTES OF THE GARDEN CLUBS

THE Garden Club of Lake George held its first Meeting in June 1921. Miss Schurz has served as President since the organizing of the club, whose "object is the advancement of gardening". In the invitation extended to those interested in growing flowers to become members, the hope was expressed that they might "find inspiration in the exchange of ideas." There are sixty-five women in the organization, as active and associate members coming from the summer colonies in the vicinity of Lake George. Meetings are arranged, whenever possible, in gardens, from June to October, inclusive. Programs for these meetings have been prepared by members, who have taken up the topics of "Culture of Sweet Peas", "Falling Flowers", and "Spring and Fall Planning", and devoted one after another to visits of other garden clubs. Professional speakers addressing the Club have been Professor Williams, botanist of Glen Fours Academy, who talked on the "Preservation of the Wild Flowers" with water color paintings of them by Mrs. Williams; Mrs. George Powell of Brookfield, Mass., who described the trays and slides for attracting birds and upon other occasions a garden consultant read a lecture on a "Garden in Winter." Miss Hilda Lollies gave a lecture, with slides, on "English Gardens." Miss Lollies was a member of the Garden Club. Among the members who have signed their own gardens are the President—Miss Schurz, who owns a bare pasture lot in attractive terraced planting; Miss M. L. Hayden whose garden is partly enclosed by white trellises and arbors draped with vines and roses, and screened by shrubs. Mrs. W. B. Dean laid out a formal garden close to the Lake; Miss Breton whose garden is planted for "continuous bloom", using some material she imported herself. Other gardens designed by their own hands are the Garden of Mrs. P. R. Reed, with its 100' walk and broad borders,—and Mrs. Lawrence Jacoby, of Ballston Spa, whose bed and borders amidst which stands a spreading shade tree. Among the members of the Garden Club is Mrs. George Atkinson of Glens Falls, Mrs. Harry Clark of Cohoes, and many others.

Field Days have been enjoyed by the Club. The field days are open to the public, and the members take part in discussions and sometimes they prepare papers, while other meetings have professional speakers on the programs, which have consisted mostly of horticultural topics. At the first Club there were Mrs. Ada Peck of Waterville, who spoke on "Gardens in the Adirondacks"; Mr. G. Merrill Rome, N.Y., telling of "English Kitchen Gardens"; and Professor George Speakman, of the "Soils of Oneida County." The subject of "Early Flowering and Planting" was taken up by Mrs. Milton Williams, and the Secretaries of the "American Peony Society" were met with by the members, telling of the "Field Days which have been enjoyed".

(Continued on page 118)
Old French Powder Tables

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For details and specifications see 17th Edition Sweet's Architectural Catalog pages 1463 - 1464 - 1465.

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Notes of the Garden Clubs
(Continued from page 116)

the Plantadendron, Utica, and on another occasion the club was the guest of Mrs. C. S. Luce, at her place in Ilion, New York. Throughout the blooming season flowers are taken daily to the library, forming a “Continuous Exhibit” of which the special features have been iris, peonies, roses, gladioli, and zinnias. The arrangement of the flowers is regarded as an important part of the exhibits which are cared for by two of the librarians. The chief accomplishment of the Garden Club of Utica in 1922 was the assenting of persons interested in forming other garden clubs. The plans for 1923 include a broadening of the programs, beyond the immediate needs of home gardens, increasing the membership and arranging meetings in gardens.

THE Blue Ridge Garden Club, drawing its members mostly from the region between Hagerstown, Md. and Gettysburg, Pa., was founded in 1912, by Mrs. J. Appleton Wilson, of Baltimore, her successors in office being Mrs. J. S. Williams, of Richmond, Va., and Miss Margaret Ramsey, of Norfolk, Va. Mrs. T. S. Creighton is now the President, the term of office having been limited to two years. There are 75 active and associate members who meet at private homes, fortnightly, from the end of June to the end of September. About half of the programs are prepared by the club members, chiefly on horticultural topics, such as “Small Fruits”, “Roses”, “Iris”, and also “Native Wild Flowers”. This last subject has been taken from the viewpoint of their preservation, by Mrs. Edward Burton, the Secretary of the Baltimore and Maryland Society for their preservation, and the Cultivation war will be treated by Dr. Edgar T. Williams, of the U. S. Department of Agriculture, who is Chairman of the District Chapter of the Society for the Wild Flower Preservation. Dr. Paul Bartsch, of the National Museum, gave a talk on “Native Ferns”, and representatives from the Mt. Alto Forestry School addressed the club on “Fruit Trees, their Troubles and Cures”, “Hard and Soft Wood Trees”, “Vines”, etc. At one meeting large branches of trees were used as illustrations. The club has planted maples and native fir trees along open roadsides and in Rolando Park. This park is a woodland tract of five acres with rocky hillsides, forming a natural rock-garden, and there are also springs and a brook. The club has developed paths throughout the district and has undertaken the care of the park. Other work conducted by a committee of the club is with the public schools, trying to interest the children in the natural beauty around them. Funds have been raised from a lecture on “Hawaii and its Flora”, given by Mr. Otto Trouhlov, and a stereopticon was accordingly purchased. A winter resident member operates this stereopticon twice a month in the school, giving illustrated lectures on nature study. Money for renting the slides is also supplied by the club which in the Spring will distribute flower seeds to the children, at the same time offering prizes for the best garden, or specimens of flowers which may produce from the seeds. "Bird Lore", the Audubon Society publication, is another contribution of the club to the School. A committee of members of the garden club was formed several years ago to collect flowers and fruit for the Maryland State Tuberculosis Sanatorium which is not far from the summer residence, and work has been continued during the winter, as money is given to ship hundreds of sweet peas, calendulas, carnations, jonquils, roses, and spirng flowers to the sanatorium. Many pots of pansies and hampers of greens are also supplied. Under the efficient and enthusiastic management of Miss Anne Brut the work has steadily grown by the aid of non-members of the club and with the generous co-operation of some of the large wholesale growers. The flowers are taken to the sanatorium once a week during the summer and though not so often during the winter flower is substituted part of the time. In addition to this activity the chief and the most important plans for 1923 is interesting the native mountain children in the preservation of the wild flowers.

THE Garden Club of Englewood, N. J., whose President is Mrs. Frank L. Chapman, was organized in 1916, and has 50 active and 2 sustaining members, whose dues are five and twenty-five dollars annually. The personal work being expected of the active members from which the sustaining membership is drawn. Meetings are held once a month during the winter and bi-monthly in summer. The programs are held at one of which the subject of “The Preservation of the Native Trees and Flowers of New Jersey” was presented. In a published article, the President, Mrs. Chapman, states that morning meetings in the garden of her house members have been customary, when the program consists of papers written by members, and “Talks on Personal Experiences”. The club takes box lunches to the home of the hostess who may serve a hot or cold drink. Upon occasions when trips are arranged to more distant special gardens, the committee sees that vehicles are provided. Mrs. Chapman further mentions that it as a very fortunate that a landscape architect was invited to visit and criticize the gardens of the members and that the club was organized. A Fall Flower Show with “open classes” is held, and the exhibits of 1922 were so numerous and of such high quality that the value of the work done by the club was successfully demonstrated to the community. It is planned to hold a June Flower Show in 1923. One of the members, Mrs. Johnson, has won a reputation in hybridizing irises.

THE Garden Club of Winter Park, Florida, after one year of existence as a Garden Committee of the Civics Department of the Winter Park “Women’s Club”, was incorporated in an official form in 1922. The President is Miss Grace O. Edwards, and there are 55 members, all doing personal work in their gardens. The dues are one dollar. From October to June meetings are held at the homes of the members, and conducted informal discussions on their own experiences in Florida gardenin, where planting is done during the months October, instead of the Spring. (Continued on page 120)
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Notes of the Garden Clubs

(Continued from page 118)

The garden club plans another Flower Show in March, 1923, at which it hopes to exhibit miniature garden models as an inspiration to the study of landscape gardening. Also the club intends to follow up the experiences of the members in Florida planting which can be pictured as a "Planting Primer," something especially needed. Two of the members have formal gardens, and others are just designing their gardens but so far most of the work is in experimenting, horticulturally, with the Florida climate and conditions.

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When the damp, dark stains appear on ceiling or walls and spread and spread and spread, you know it means a hurry call for the plumber. Somewhere within those walls a pipe has given way, perhaps only a pin hole opening at first but bound to spread havoc.

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The Maple Tree

(Continued from page 120)

Acer campestre of central Europe is often shrubby in appearance. The bark is somewhat corky, the protuberances running longitudinally and irregularly down the stem. It is an exceptionally slow growing maple, but on well situated places it may reach a height of 60'. In poor soil it seldom develops to more than a bush. The same is true for a shady place. Since it withstands the pruning knife, it can be used as a hedge, and under such conditions it produces an exceedingly pleasing one, thick, dense, and exceptionally lasting.

The box elder, Acer negundo, although it grows rapidly, is not a very tall tree. It does well in almost any type of soil but prefers a loose, moist, alluvial type. Since it is intolerant, it requires full light, at the same time it should be planted in protected situations as the twigs are easily broken by the wind. Its varieties are beautiful. Var. odessanum has a golden yellow foliage while the varieties aureo variegatum and aureo marginatum elegans have a yellow seam around their leaves. Var. argento marginatum, occurring both in pyramidal and bushy form, has green and white leaves. Strongly spotted with white is the var. fiddle argent variegatum. This form grows but slowly through its lack of sufficient chlorophyll and therefore is suitable for smaller gardens. The large leaved var. strobile has lilac colored shoots which are exceptionally attractive during the winter. Narrow leaved and curly leaved forms are produced by var. angustifolium and crispi itum respectively. The var. californicum produces a white felt on the under surface of its leaf. It is a quick grower but the long fragile branches must be braced. At the same time this variety must be planted in a well protected situation since, in some years, the shoots do not come to maturity.

Acer monspessulanum, the French maple is used and cared for like A. campestre. It requires more light than this species, but is just as sluggish in its growth. In most favorable situations it may attain a height of 20' to 25'.

Acer obtusatum is a much more rapid grower while Acer tataricum remains comparatively small but does develop a dense crown. The var. lucidum is more to be preferred than the species itself as it is far more attractive in appearance. The sugar maple, Acer saccharum, develops a large oval crown but grows rather slowly, averaging about a foot a year for the first 30 years. When (Continued on page 124)
March, 1923

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MOP by vacuum! This latest Sweeper-Vac feature adds immeasurably to the already numerous advantages offered by the remarkable two-in-one Sweeper-Vac.

You can feel the bite and pull of the vacuum as the Vac-Mop thoroughly cleans tile, linoleum and hardwood floors. While cleaning and polishing the floor the VAC-MOP is cleaning itself. No shaking it out.

This valuable efficient and sanitary VAC-MOP, an exclusive Sweeper-Vac device, can be obtained absolutely without cost when you purchase an Electric Sweeper-Vac. You have always needed this two-in-one Sweeper-Vac. Now is the time to get it and with it this VAC-MOP absolutely free.

Two chances in one at the price of only one. Therein lies the great advantage of owning this guaranteed and approved Electric Sweeper-Vac cleaner. Not only does it clean by the ideal combination of powerful suction plus the gentle sweeping action of a correctly speeded motor-driven brush, but by a simple move of "that lever" it cleans also by powerful suction alone.

This two-in-one feature has made the easy gliding, deep cleaning, Electric Sweeper-Vac universally famous.

"A tribute to those lighting companies whose unerring service makes electrical conveniences possible and whose unhampered development assures rapid growth to their supporting communities."

PNEUVAC CO., 168 Fremont St., Worcester, Mass.

Without obligation other than that which I owe myself to know about this marvelous invention, kindly send me descriptive literature of the Sweeper-Vac and Vac-Mop and also the name of your nearest dealer.

Act Now!! Mail this Coupon today.

The Maple Tree

(Continued from page 122)

fully grown it attains a height of about 100’. This tree requires a fertile soil free from stagnating waters but one which should be by no means dry. The young seedlings are very hardy, resistant, and tolerant and can be planted without injurious effects in the shade of the deciduous forest. This species is not adapted for individual plantings or shade trees. In such locations it suffers from the attack of insects. In the fall the leaves are colored red, yellow and green.

Acer saccharinum, the silver maple, is a very decorative ornamental tree both for streets and parks. It is a rapid grower, is unassuming in its demands upon the soil, is hardy, and can be planted in a very damp type of soil. It is very tolerant and is therefore used as a street tree although it is not so well adapted for this purpose since the wood is soft and fragile the twigs and branches being often broken by winter winds.

The most beautiful form of the silver maple is var. Pendulum with its weeping branches. Var. aquo variegatum has yellow spots on its leaves while the whole leaf of var. Integrae has this color. Var. dissectifolium produces a deeply slit leaf and var. novum has a curly leaf. An upright pyramidal form is developed by var. pyramidalis.

An Acer pennisylvanicum, the striped maple or moosewood, is an inhabitant of our woodland regions where it never grows more than 25' in height. Its beauty lies in its greenish-gray white striped bark of stem and branches. It is adapted for smaller gardens.

The red maple, Acer rubrum, is a large stately tree. The bright red flowers make their appearance early in the spring even before the leaves are developed and then cover the twigs like a fluffy down. The young leaves are also red, and so is the fruit. Early in fall the leaves begin to turn and assume all shades of red and reddish yellow.

All the varieties are distinguished by their fiery autumn coloration and especially is this true of var. schlesingeri and var. angustifolium. Var. drummondii has large firm leaves which are densely tomentose on their lower surface. This variety is not so hardy in northern regions and should be placed in well protected situations. Smaller, obovate leaves with three short lobes and sparsely toothed is developed by var. tridens (A. carolinianum). This tree is hardy.

Acer spicatum, our mountain maple, is a small slender tree. In moist woodlands it forms a large bush. Its leaves are peculiarly shaped but otherwise there is nothing especially distinctive about this plant.
GRASSCLOTH

is the wild Honeysuckle vine of Japan, woven by the little brown people on their quaint old wooden handlooms, stained with soft colors and made ready for your Home.

The natural sheen of the grass gives the wonderful lights and shadows of a most interesting Wall hanging, never detracting from the beauty of your furnishings, but rather like a background of trees to a beautiful garden, adding new beauty.

We would like to send you samples

F. C. DAVIDGE
AND COMPANY

LaPorte & LaSalle Sts.,
South Bend, Ind.

28 Wellington St., West
Toronto, Ontario

TWIN BEDS—$33.00

These solid mahogany twin beds made with the honest, sincere dependability in materials and workmanship that distinguishes all products from the Detroit Furniture Shops. The posts are 47½ inches high and 3 inches thick. The twin beds measure 3'3" wide. A full size bed in the same style 4'6" wide can be furnished. The side rails are 76 inches long. Special length rails can be furnished for $3.00 per pair extra.

The price of the twin beds is $33.00 each. The full size bed is $37.00.

Detroit Furniture Shops

Warren at Riopelle, Dept. D.
Detroit, Mich.

A Lamp of Enduring Beauty

BEAUTY AND UTILITY are successfully combined in the creation of this graceful lamp. Appealingly priced, that it may be placed in the homes of the many rather than the few.

Finished in French Gold with gleaming high lights; shade of Champagne Silk, lined with pale Rose. A harmonious associate for room furnishings of many periods.

Visit our Studios where you may view a comprehensive collection of artistic fittings covering every lighting requirement.

Prices on request.

Robert Phillips Company, Inc.
Artisans in all Metals

Office and Studios, 101 Park Avenue, 40th St., New York City

Clicquot Club

GINGER ALE

Clicquot is the all-year-round drink that everybody likes.

THE CICLOUT CLUB CO.
Milwaukee, Wis.

Bottlers of Clicquot Club Ginger
Ale, Saratoga, Root Beer
and Birch Beer
ANNUALS FOR SOUTHERN GARDENS

All the annuals known to the trade from "A is for ageratum to Z is for zinnia," are available for Southern plantings and if there is one thing that gardeners of this section know how to do well it is to grow them. They seem, however, to have missed the point that discrimination and choice in the planting of annuals can be as effectively shown as in the grower or bed. Why don't we use them for an edging for the walks in the vegetable garden or in some part of the grounds near the house. Why don't we plant them where the strong nasturtium colors will not clash, as they nearly always do with the near-by annual plantings? They should be planted early in the places where they are to bloom and don't take any soil that is not prepared. The blossoms are cut daily the season will be much prolonged.

If room is at a premium why not use one annual for the summer's plantings? You have no idea, unless you have tried it, how delightful a picture you can make of your garden by using masses of marigolds, zinnias, bachelor's buttons, verbena, dwarf sunflowers, cosmos, violas, petunias, candytuft, and begonias. One variety in gorgeous color splashes is the most satisfactory way to plant annuals.

All of the annuals mentioned above can be grown in the simplest culture. The plants, as a rule, are hardy, not very tender, and will not transplant well. But they will grow, if given minimal care, in the sunniest parts of the garden. The secret of success is to have the plants well started, then planted in the ground, and watered well until they are rooted. The annuals thrive in the sunniest parts of the garden, and will bloom for months in a riot of color and bloom.

For the Room
Where Old Sol Lives

In the happy room where Old Sol coaxes you so often when other rooms seem dull, the furniture must harmonize with the sunshiny atmosphere.

A Northfield fibre davenport suite, with a bed folded compactly under the low, deep-cushioned davenport seat finds its happiest place in such a room. And the designs lend themselves wonderfully to colorfull decorating, reflecting the spirit of the room, adding to its lure, completing it. No guest will know that a bed is in this room. Design and good workmanship conceal it, utterly. But when occasion makes an extra bed necessary, the bed is ready, without an extra bedroom.

Northfield designs are authoritative expressions of the better furniture-style tendencies. Our Master Designers have made the convenient combination of davenport and bed both a thing of beauty and a comfortable, lovely piece of furniture. People of taste find it worthy of a place in well furnished homes. It is called "The Davenport With A Secret".

In some good furniture store near you, you will find Northfield fibre suites together with overfluffed and period suites on display. May we suggest a visit to this store?

The Northfield booklet, "The Davenport With A Secret," illustrates many attractive Northfield bed-davenport suites. A copy will be sent on request, together with the name of the nearest Northfield dealer. Please ask for your copy.

THE NORTHFIELD COMPANY
Makers of Good Furniture
SHEBOYGAN • WISCONSIN

ANNUALS FOR SOUTHERN GARDENS

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The Chadakoin Gate Leg Table

MORE than a Hundred Years Ago, the pioneer cabinet-makers, who founded a great industry beside the banks of the Chadakoin amid the Old Chautauqua Hills, fabricated good furniture and established those high canons of faithful craftsmanship that are now evidenced in such good productions as the Chadakoin Gate Leg Table.

Based upon a time-proved design, this is a table of many uses; ideal as a center table with both leaves open; exquisite as a console with front leaf closed; delightful as a wall table with both leaves closed; an excellent tea or card table. Its finish is brown or antique mahogany.

Price $19.00

In ordering specify finish. Can also be sent to you in natural wood for your own finishing.

Good Furniture Shops
INCORPORATED
Jamestown, New York

Pinkham Home Braided Rugs

An open fireplace; a quaint, soft-toned, hand-braided rug cheerily stretched before it—what a friendly atmosphere!

Pinkham Hand Braided Rugs are made in the homes of Pinkham "Associates"; they are the embodiment of loving thought and sentiment, for into each rug the maker has put something of her own sterling character.

Pinkham Rugs are hand sewed throughout and are made of selected new materials, fast dyed in our own plant; the raw edges are rolled in to prevent ravellings. Both rounds and ovals, in fascinating color combinations.

At leading stores everywhere. For individual designs to suit furnishings, send samples of hangings and our artists will, without charge, submit color sketches of special patterns to harmonize.

PINKHAM ASSOCIATES, Inc., 3 Marginal Road, Portland, Me.,

Vandome Desk Table

COMBINES BEAUTY AND CONVENIENCE

THE Vandome Desk Table is literally both a table and a desk. It combines in graceful unity the practical features of a spinet desk and the handsome dignity of a davenport table. Absolutely new and especially designed for those homes where lack of space prohibits the use of the two furnishings combined in the Vandome Desk Table.

Excellently made in the more popular period styles, Vandome Desk Tables will delight you with their double usefulness. You will find them very moderately priced. If your dealer doesn't show Vandome Desk Tables, write us at once.

Our beautifully illustrated booklet is yours for the asking. Send for it today.

H. E. SHAW FURNITURE COMPANY
446 Ionia Avenue, S. W.
GRAND RAPIDS, MICHIGAN

For Homes of Good Taste

The Brambach Baby Grand has that air of quiet restraint which is so valued in well-done homes. It is exquisite in tone, beautiful in design. Its quality is unsurpassed. It can be accommodated in any home or apartment, for it fits in the same space and costs no more than a high-grade upright piano.

Sold by leading dealers everywhere.

Mail the coupon for Brochure and pattern of the Brambach to fit into your home.

H. E. SHAW FURNITURE COMPANY
446 Ionia Avenue, S. W.
GRAND RAPIDS, MICHIGAN
colors, Kachua, or use salmon pink and red tones of the zinnias instead of the yellow and add to the fall flowering masses Celosia. Mix the seed well and then plant as if it were lawn grass seed. Rake in carefully and then take a few weeks off. The seedlings will have covered the earth. Let them crowd enough to kill out the weeds.

Such a planting can also be well made on the home grounds if there are large open spaces available. The above mixture is for a flowering season from early summer to late fall. In the autumn another mixture can be sown that will insure blossom from the earliest spring and once planted the whole thing will seed itself. Just as soon as the stronger vigorous plants have finished blooming take them out. Then the weaker ones will come through and the harvest will be continuous. If such a planting happens to be along an automobile highway it will be a wonderful asset and advertisement to a town, for the rich returns of beauty will bring joy not only to those who achieved it but pleasure to all who pass that way.

Southern gardener’s wishing help can have their problems solved by addressing the author of this article, care House & Garden.

JULIA LESTER DILLON

THE OUT-DOOR FORCING FRAME

AFTER the early-vegetable enthusiasts have taken care of the seeds which should be started in the window forcing box of the hotbed he should turn his attention to the possibilities of the outdoors. This is usually considered as a place in which to winter over lettuce or peas, but it may be used with very satisfactory results for peas, corn, string beans, beets, carrots, etc., producing crops at least ten days ahead of the usual early yield. A convenient size is 6' x 12', covered with four 3' x 6' sashes, and one may as many as this of the size and length of household demands.

This frame calls for three 12' planks 2" wide and 1½" thick; 4½' of 1' x 2' boards for the sides; two T hinges; eight ½" screw eyes; and four iron pins or old bolts. Two of the planks form the sides, the third cut in 2' 10" lengths, the ends, the two inches being taken off to allow for the overlap of the sashes. These planks are joined at opposite corners on the inside by a hinge top and bottom which makes it possible to fold the frame and also to face the frame, and also to facilitate the handling of the sash. Counter-sink three 1" x 2" strips from front to back, cutting the marks a little farther from the back so they will come under the joining of the sashes, and attach them to the frame with screws, which may be readily removed. The upper edges of the ends and back should also have one 2" x 2" strip screwed on the outside, extending 1" above the frame to avoid unnecessary draughts and cold. Leave the front plain.

In order to slide the sashes back and forth more easily.

One or even two coats of paint will be quite sufficient. The ideal location is under the southeast wall of some building against late cold winds but will also reflect a good deal of heat during the day.

The frame should be well drained and heavily enriched. Unless already well supplied with humus, seed it to rye in the fall. Cover with well rotted manure and hill up about the middle of March. As soon as the ground is thawed over cover with well rotted manure and spade it all under.

Seed may be sown as soon as the ground is warm, according to the season, and suited to suit the. demands of the gardener. A suggested planting has one sash of three lengthwise rows of early French forcing carrots 1' apart, another of three rows of the extra early string beans; another of three rows of early beets; and seeds of the usual early yield. This will accommodate three rows of Golds Bantam corn. Before planting the corn and beets train the bed with the back of the rake, forcing a narrow trench in which the seeds will naturally fall into straws when watered. After these are covered with the usual ½" or ¾", firm the soil again so that the fine roots will encounter no air spaces when they start. Failure to do this probably accounts for the apparently poor germination of many of the smaller seeds. Set the beans apart and thin to 4" as soon as the plants are large enough to handle. The beets are the strongest. The beets should be thinned to 3", the carrots to 2". Plant the corn in trenches 4" or 5" wide; the seed is covered, hill up with outside soil as necessary. The plant should stand about 8" apart in the row.

Such close planting is very necessary and very constant cultivation, also a generous supply of liquid food and mulches during the growing season will keep the young plants in the best condition. After these applications will depend upon the amount of nourishment in the soil, by under any conditions it will be well to water every two weeks after the fourth or fifth leafes are out with a solution of nitrate of soda, 32 teaspoonfuls of five gallons of water. If anything shows signs of lack of food, apply more water a little darker than fresh manure in a pail of hot water. If not to diluting it to the desired strength. If making both of these applications remove the rose from the watering can as there is no use wasting good fresh manure.

Care must be taken to give plenty of fresh air.

Raise the sashes every possible day as high as weather conditions permit. Short pieces of glass are convenient for the purpose, as they give three different heights by their own dimensions. During a week when rain the sashes should be lifted entirely from the frames, and as the days grow mild and settled the whole protection should be removed.

MARY NELM

Annuals for Southern Gardens

(Continued from page 120)
Cleanliness—and more Comfort

The EXCELSIOR QUILTING COMPANY's Mattress Protectors, besides ensuring perfect cleanliness to the mattress—for which a sheet is not sufficient—also adds its own soft and downy resilience to make the night's rest more comfortable.

These Protectors are made of the best quality of material. Wash them as often as you like—they remain smooth and soft. Made in all sizes to fit any bed or crib.

When purchasing, ask for the EXCELSIOR QUILTING COMPANY's Mattress Protectors. Each of them shows the manufacturer's trademark. Our trade-mark is sewn to the front of each PROTECTOR. We were the originators of MATTRESS PROTECTORS. Back of them stands the reputation of thirty-one years continuous manufacturing.

The EXCELSIOR QUILTING CO.
15 LAIGHT STREET
NEW YORK CITY

You Don't Have To Call In A Man!

When the lighting fuse blows,—that is—burns out,—and you are in the dark and without current, you don't have to call a man; you can safely change the fuse yourself, if your home is equipped with a Triumph Type "R" Residence Panel Board.

Every home must have a panel board. Learn about the safety and other unusual features of the new Type "R" Residence Panel Board, that not only gives better service but really costs less to install.

Frank Adam
ELECTRIC COMPANY
ST. LOUIS

For What You Don't Want

In every home each day there are scores of things you wish to dispose of, such as wilted flowers, sweepings, near ashes, broken crockery, tin cans and garbage. That's what the Kernerator is for. Dropped into its hopper door in the flue, this waste material falls down into the brick incinerator built into the chimney, where it burns without odor. No operating cost, for the refuse itself is the only fuel required. Non-combustibles are removed with the ashes. The Kernerator eliminates the unsanitary garbage can and unsightly refuse receptacle.

Ask your architect or write for the interesting illustrated Kernerator booklet.

Kerner Incinerator Company
1025 Chestnut Street.
Milwaukee, Wis.
A Clear Floor for Easy Cleaning

The idea is so perfectly reasonable—Why have an Enameled Iron Sink on legs, when, with the Special Mott Hanger it may be hung on any type of wall with absolute security?

Besides the advantage of easy cleaning, the sink without legs may be set at any height desired to suit your individual requirements.

Think, too, of the convenience in the case of linoleum or any other floor covering—not to mention its attractive appearance and clean-cut lines.

With all of its advantages, you will be surprised to know that the cost of the Mott Wall-Hung Sink is somewhat less than the ordinary sink with legs.

Write for full description and prices. Address Dept. A.

THE J. L. MOTT IRON WORKS
General Offices and plant, Trenton, N. J.
Fifth Ave. and Seventeenth St., New York
And All Principal Cities

Established 1828
Why throat hygiene is vital to your health

YOUR physician will tell you the throat and tonsils, with their numerous folds and crevices, are the ideal breeding ground for all sorts of malignant germs.

Wage an unremitting war against these crafty foes of health, lest they infect you or those near you.

The action of Formamint, the germ-killing throat tablet, is continuous and thorough, and is recognized by physicians as a trustworthy means of protection against throat infection.

These little tablets, delicately flavored, dissolving like candy in the mouth, release a powerful, yet harmless germicide. This turns the saliva into an antiseptic, bactericidal fluid which bathes the entire living membrane of the throat, checking and destroying germ life wherever it exists.

Formamint should be used whenever your throat is irritated or scratchy. Use it wherever there is danger of infection—it is the safe way.

**Formamint**

Germ-Killing Throat Tablets

Formamint is our Trademark that identifies our product.

Send for trial tube

Special metal pocket-case containing 10 Formamint tablets mailed on receipt of price (or C.O.D. to customers in Canada) with 25 cent deposit.

American Chemical Company, 122 W. 8th St., New York, N. Y.

AN ARTBRASS KNOCKER

Provides a pleasing and artistic means of supplanting the troublesome door bell.

Finely molded from pure brass, cast with the same care, skill and pride of craftsmanship that flourished in the crude shops of our Colonial forebears, an Art Brass Knocker of today has associated with it a very interesting history that adds to the pride of ownership.

Send prepaid to any address upon receipt of price. Interesting Door Knocker Catalog upon request.

Art Brass Company, Inc.

299 East 134th Street (Dept. 213) New York

Also makers of the Famous SAN-O-LA Bath Room Accessories

Governor Winthrop Desk

A piece of rare beauty, faithful in line and detail, and custom built of the very finest material by skilled makers. Genuine selected mahogany, hand-rubbed finish, dust proof drawers, solid brass fittings. Corresponds to the finest pieces sold by exclusive dealers and guaranteed to be satisfactory.

38 inches long, 20 inches deep, 42 inches high.

This is our feature piece specially priced

$105

Carefully boxed for shipment; safe delivery

Send on receipt of price or C.O.D. with 30 days' deposit. Placed of other unique reproductions on request.

WINTHROP FURNITURE CO.

185 Devonshire St., Boston DEPT. G

Quick Delivery makes Ordering a Pleasure

Because of the unique service which assures promptness in our deliveries, thousands of people, both here and abroad, take delight in ordering American Stationery. We want you to test this service—know that it equals, in every respect, the sterling quality of our paper. And we want you to learn how beautifully this particular stationery meets the need for a simple yet tasteful note-paper for informal and household-business correspondence. Order a package today. We know you will be thoroughly satisfied.

200 Sheets 100 Envelopes for only 1.25

This comprises our "Regular Package" which is made up as follows and mailed postpaid. PAPER: National Bank Bond—clear, white, fine textured; exquisite writing surface. SIZE: Sheet 6 x 7; envelopes to match. INK: Name and address, printed as shown in illustration, in rich, dark blue ink.

For orders west of Denver and foreign countries, add 10%. Always remit with order. With the exceptional facilities of our large plant, all orders are filled with amazing speed. We have no agents or branch plants. All American Stationery is sold by mail from Peru, Indiana, where we, originators of this type of stationery, have successfully manufactured it for eight years.

The American Stationery Co.

Dept. 19, Peru, Ind.

COUPON

The American Stationery Co., Dept. 19, Peru, Ind.

Gentlemen: Here is $1.00 for 200 envelopes and 100 envelopes of American Stationery to be printed as shown on attached slip. (Note: to avoid errors, write or print copy plainly.)

MONEY READILY REFUNDED IF YOU ARE NOT WHOLLY SATISFIED
New charm for your windows—at little cost
with shades of beautiful Brenlin

A well-known decorator, writing of windows, asserts that "to look upon the shades merely as 'shades' is a mistake. They can do so much more to make or mar the charm of the window effect—and indeed of the whole room!"

Are you getting the most in artistic possibilities from your window shades? Are they in perfect color harmony with their surroundings? And what is their condition? Are they faded or discolored, or unattractively trimmed with cracks and pinholes? For surprisingly little money, you can literally transform the appearance of your windows with shades of beautiful Brenlin. You will notice the difference at once. Brenlin is lovely. Among its many soft colors you will find one that blends harmoniously with your color scheme. The fabric is supple, not stiff, and always hangs straight and smooth.

What is more, Brenlin wears—two or three times as long as the ordinary shade. Brenlin fabric is fine, closely woven material, and requires none of the brittle clay or chalk filing that in ordinary window shades so soon falls out, causing cracks and pinholes. Experts finish Brenlin by hand and apply with the utmost care the beautiful colors that resist fading by the sun and defy stains by water. If you wish a different color on each side, get Brenlin Duplex for perfect color harmony.

Look for the name Brenlin perforated or embossed on the edge. If you don't know where to get this long-wearing shade material, write us; we'll see that you are supplied.

"How to shade and decorate your windows correctly"—free

We have your copy of this very readable and instructive booklet on how to increase the beauty of your home with correct shading and decoration of your windows. Send for it. Actual samples of Brenlin in several colors will come with it.

For windows of less importance Camargo or Empire shades give you best value in shades made the ordinary way.

THE CHAS. W. BRENNEMAN COMPANY, CINCINNATI, OHIO
The oldest window shade house in America.

Hand Made Brunelin

the long-wearing WINDOW SHADE material

The Bird-and-Flower Paintings of China (Continued from page 130)

Bird-and-Flower paintings, attractive to the eye of the Orient, are not so well known to the West. They have endured for many centuries, filling that in ordinary window shades so soon falls out, causing cracks and pinholes. Experts finish Brenlin by hand and apply with the utmost care the beautiful colors that resist fading by the sun and defy stains by water. If you wish a different color on each side, get Brenlin Duplex for perfect color harmony.

Look for the name Brenlin perforated or embossed on the edge. If you don't know where to get this long-wearing shade material, write us; we'll see that you are supplied.

"How to shade and decorate your windows correctly"—free

We have your copy of this very readable and instructive booklet on how to increase the beauty of your home with correct shading and decoration of your windows. Send for it. Actual samples of Brenlin in several colors will come with it.

For windows of less importance Camargo or Empire shades give you best value in shades made the ordinary way.

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The oldest window shade house in America.

Hand Made Brunelin

the long-wearing WINDOW SHADE material

The Bird-and-Flower Paintings of China (Continued from page 130)

Bird-and-Flower paintings, attractive to the eye of the Orient, are not so well known to the West. They have endured for many centuries, filling that in ordinary window shades so soon falls out, causing cracks and pinholes. Experts finish Brenlin by hand and apply with the utmost care the beautiful colors that resist fading by the sun and defy stains by water. If you wish a different color on each side, get Brenlin Duplex for perfect color harmony.

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For windows of less importance Camargo or Empire shades give you best value in shades made the ordinary way.
Better than wood—never sag, shrink, warp or stain. Easily cleaned with soap and water. The enamel is guaranteed never to crack, blister nor peel. Low in price, but fine enough for any bathroom.

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DON'T tolerate it any longer! You can dry up the water that is seeping through the walls and floor of your concrete basement quickly and permanently.

Simply wash the walls and floor with the Hard-n'-tyte solution, in accordance with instructions which we send you. Anyone who can use a broom or a mop can do the job. Cracks must be filled before Hard-n'-tyte is applied.

Casement Satisfaction means "No Rattle"—even with Winter Winds

MONARCH Control-lock

No Gears—No Ratchets—No Keys—No Rattle

Permits casement windows to be easily opened or closed and securely locked, in one continuous movement, without disturbing drapes. Sold by hardware dealers everywhere.

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Old Hampshire Bond is a crisp, crackly paper that feels good to the touch and is unusually friendly to pen and ink. In quire boxes (24 sheets and 24 envelopes). Also, quarter reams (125 sheets) and ½ M envelopes (125 envelopes) in several sizes and styles. Price, $1.00 the box and upward.

Sold wherever fine stationery is found. If your stationer cannot supply you, we shall be glad to ship you on receipt of remittance.

A usable packet of Specimen sheets and envelopes will be sent on receipt of 10c.

HAMPSHIRE PAPER COMPANY
Fine Stationery Department
South Hadley Falls, Mass.
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TAKE the guesswork out of gardening. You can count on success with Vegetables and Flowers if you follow the directions in DREER'S 1923 GARDEN BOOK.

The most complete catalogue of Seeds and Plants published—an invaluable guide to both amateur and professional gardeners. A large book of 224 pages with 8 color plates and hundreds of photo-engravings of the latest novelties and standard varieties. Filled with cultural information compiled from DREER'S 85 years' experience and advice from famous experts.

It offers the best Vegetable and Flower Seeds, Lawn Grass and Agricultural Seeds, Garden Tools and Implements, Fertilizers, Insecticides, etc. Also Plants of all kinds, including the newest and best Roses, Dahlias, Hardy Perennials, Garden and Greenhouse Plants, Bulbs, Hardy Climbers, Hardy Shrubs, Water Lilies and Aquatics, Small Fruits, etc.

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Write today for a copy, which will be mailed free if you mention this publication.
A CONARD ROSE, guaranteed to bloom, costs no more than any rose sufficiently good to have a place in your garden.

A Conard Rose requires no more of your time to plant and grow than an ordinary rose with no individuality or guarantee.

A Conard Rose does give you better and more lasting results.

Every Conard Star Rose is selected, nurtured and shipped to you with extreme care bred from over 50 years of scientific rose growing and a knowledge of your needs.

Why run the risk of having roses that have been dug carelessly, stored poorly, then neglected and packed poorly—with vitality so reduced as to make but weak growth, when you can have genuine Conard Roses, guaranteed to bloom.

It is not our guarantee that makes the roses bloom, but the quality of our plants enables us to make the guarantee.

Write now, while the subject's in mind, for our complete, dependable FREE CATALOG, beautifully illustrated in colors and showing suitable varieties for all climates.

CONARD & Jones Co.
Rahm, Pyle, Pres.
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West Grove, Pa.

If you will send us $1.50, we will mail you a copy of "HOW TO GROW ROSES" by Robert Pyle, President of the American Rose Society—a cloth bound book of about 200 pages, covering all phases of rose culture.

To every Conard Star Rose plant is wired a durable, celluloid star tag, printed with the name of the rose—a big convenience in your garden—also a definite reminder of our guarantee. No other roses have this label.
To Assure You Success in your Rose Gardening

The American Rose Society was formed to help you to grow better roses in your garden, by syndicating the inspiration and experiences of thousands of rose lovers like yourself.

"To have roses in your garden, you must first have them in your heart." Likewise to enjoy the utmost success, you must enjoy the fullest knowledge of rose culture and rose varieties. If you love roses, if you have a garden, you will enjoy the fellowship and enthusiasm of membership.

The American Rose Society Invites You to Membership

Membership in this Society makes available to you THE ROSE ANNUAL, a cloth-bound book, of two hundred pages, beautifully illustrated, which is a compilation of the latest knowledge on rose gardening written for amateurs. Unlike most garden books written from the experiences of a single individual, this book represents the practical experiences of our membership of almost three thousand, edited by J. Horace McFarland.

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One of the privileges of membership is that of writing a rose expert in your section of the country for advice on any problem connected with rose gardening. This committee of rose experts requires no more than the knowledge that you are a member of the American Rose Society, to give you their best assistance.

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You will receive all the publications of the Society issued during the year—the Rose Annual published in March; you are invited to send your rose experiences and inspirations for publication in the yearbook; you will receive a membership card entitling you to admission to any exhibitions held by the Society, and participation in pilgrimages to notable gardens of rose lovers and to vote at the annual meeting.

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Send yours now!

Your membership will save you time, money and labor. It will help you make your garden more successful. You will get greater joy out of growing roses, through the fellowship of rose fanciers in this American Rose Society, now almost a quarter century old.

Address your remittance of three dollars by letter or on the attached coupon, mentioning this publication, and all the privileges will be yours. The Rose Annual will be issued in March and your copy mailed you.

The American Rose Society

Established 1899

Incorporated 1922

609 Finance Building


APPLICATION for MEMBERSHIP


I enclose $3 for 1923 Membership in the American Rose Society. Please mail me Membership Card and, as published, all bulletins of the Society, and the 1923 American Rose Annual.

Name

Local Address

City and State

Motors in the Home

(Continued page 134)
Twining Bowers of Beauty About Your Home

are yours for the choosing. You need only select wisely from the lovely climbing vines which Nature has so generously provided.

Trees, porches, pergolas, trellises, walls, stumps, fences and steep banks can be transformed into picturesque landscape adornments through our fine Polygonum Auberti and Climbing Hydrangea (Schizophragma Hydrangeoides).

Polygonum Auberti blooms in September when other flowers are fading. Really remarkable effects can be produced on old trees. Its pure snowy-white, large-trussed flowers, borne in long racemes, in full bloom give the effect of a living mass of hoar frost against a green background. Hardy. Grows rapidly. 75 cents each; $7.50 per dozen F.O.B. Pittsburgh.

Our Climbing Hydrangea is one of the rarest and most beautiful climbing vines. Reaching out like ivy by means of aerial rootlets, Climbing Hydrangea is most splendid for ornamenting porches and for covering unpainted brick and stone walls and old trees. Begins blooming in June. Large white flower heads. Hardy. Foliage good all season. $1 each; $10 per dozen F.O.B. Pittsburgh.

Hardy Plants, Flowers, Evergreens and Other Shrubs of all kinds are described in our fascinating catalog. Write for your copy, or fill out and mail the coupon at once.

Elliott Nursery Co.,
511 Magee Bldg., Pittsburgh, Pa.

The Azaleas of Old Japan for your Garden!

The spirit of old Japan still lives in its Gardens. And the keynote of these charmingly exotic spots—breathing the fascinating mysteries of the ancient East—is the bright, striking, yet delicately hued AZALEA. We cannot all live in the colorful Orient. There is little of the exotic in the lives of most of us. But you can, however, brighten the gray monotone of native surroundings, by adding to YOUR GARDEN the vivid touch of oriental splendor—the picturesque charm and sentimental atmosphere of Old Japan itself—as brought to life in our

Azaleas of Old Japan

Large, bushy, shapely plants that bloom in late May and whose profuse blossoms are an almost indescribably delicate hue of flaming, pinkish red! $4 each. Five for $19. Ten for $35. F. O. B. Framingham. Special prices on larger quantities. Carefully packed and shipped with the soil in which they are grown. Order NOW for prompt delivery of these beautiful plants in April and early May. Remittance must accompany order.

WYMAN'S
FRAMINGHAM, MASSACHUSETTS

A Spirit of Good Cheer

The whole year through a fresh and vernal beauty hovers around the home which stands in a bowei of Hill's Evergreens

Independent of the changing seasons, beautiful Evergreens stand with a welcome, always friendly. Any desired arrangement may be obtained out of the wide variety of Hill's Evergreens. Rightly chosen, they blend with the surroundings of the most formal mansion, yet the simple places seem to acquire new dignity by their presence. Send for catalog, fully illustrated, showing many varieties from the world's largest stock of Evergreens—all at new reduced prices. Do it now and get your selections this spring. Consult your landscape architect, nurseryman or florist.

D. HILL NURSERY COMPANY
Evergreen Specialists for Over 60 Years
301 Cedar Street :: Dundee, Illinois
I Can Surely Save You Money—This Tells How

First, you send for me, which is a very simple matter. A postal does it and the return mail brings me. Miss Ten-Ten is my name. As I may have mentioned, I used to be an honest-to-goodness person until the garden fairies turned me into the Ten Ten Book. At first I didn't like it, but ever since I found out what a really likeable, helpful kind of a gardening and planting book they made me, I wouldn't care at all to be anything else.

This season they put my use-to-be picture on the cover, with me in my one-time Garden, all done most charmingly in colors. Then they added a goodly lot of new things in flower seeds, hardly flowers, shrubs and the like. But quite the best of all, we put our heads together and worked out the Give-and-Take buying plan that is a regular little money-saver for you. This novel, money-saving plan is explained fully in the Ten-Ten Book.

Here are three Money Savers that you can order right now while you are waiting for me. Miss Ten-Ten.

Some Special Money Savers

Heleniums (Rock Roses)

We have ten beautiful, named hybrid Rock Roses. Their colors are pure white, opalescent shades of pink, pure yellow, orange, bronze and crimson. Some are single, others double. Some have green foliage, others are silver.

They bloom in June and July, and no other dwarf plant produces a greater profusion of bloom than these Rock Roses. The individual blooms are exactly like a single Rose, and are about an inch in diameter. Planted in masses in a sunny place, on border or rockery, they will be a feature of your garden.

Price 25c each.
One each of ten varieties, for $2.25.

Ten Hybrid Tea Roses - $6.50
Ten Hybrid Tea Roses in three delightful colors

1 Ophelia Creamy white—salmon tinge
2 Mrs. Aaron Ward* Indian yellow
3 Los Angeles* Blush pink

The above varieties marked with * can be supplied as Standards—3 ft. stems—$1.75 each.

Ten Packets of Perennial Seeds-$75c

20 Packets of Perennial Seeds, which if sown now will flower this year.

This set contains a choice selection of hardy perennials that mature quickly.

The so-called—Delphinium, Gaillardia, Shasta Daisy and seven other choice varieties.

Complete instructions on each packet.

Relating the House to Its Site

(Continued from page 74)

examination. They are imaginary sites, intended each to be sufficiently different from the others to illustrate the method of study best suited to the site problem. If a method of study, or thought, can be evolved, its application to any given case should result in a sound solution. The sites illustrated are, in a sense, typical; they represent certain broad classifications in which exist an infinite number of variations, and the variations would suggest corresponding minor modifications of the houses.

Before proceeding with a study of the sketches, it should be explained that the consideration is based primarily on profiles, rather than upon style or materials. Broadly speaking if the profile of a house is right and harmonious in its relationship to its site, all other questions of its design become secondary. If, in addition to possessing the right profile, the house is also built of logical and pleasing materials, and designed in an agreeably appropriate manner stylistically, so much the better; but these merits are seen at a disadvantage if the profile and general masses of the house are not well-related to the site.

The illustration at the foot of page 74 shows a bare hill-crest site, such as is commonly found by or near the sea. Clumps of low shrubbery are the only green, and no trees break the lines of the numerous hills and knolls of which this assumed site is one. The architectural intention here was to effect a profile which would not do too great violence to the surrounding topography. The building is kept as low as possible in mass, and its roof line is, in profile, only slightly different from the profile of the hill.

The house, in effect, has not made of itself an evident excessiveness on the top of the hill, but has assumed a profile which seems only to be the same hill, with a little added height. But, in other words, the profile of the house is treated as though it were a continuation of the profile of the hill.

The thickly wooded hill-top site, in the center of page 74, is a different problem, met with a different solution. Here the sides of the hill are concealed by trees, so that its profile is not apparent, and in order to keep the house from being smothered, it must rise steep and high above the tree-tops. The trees eliminate any danger of the house seeming to be perched uncom­monly on its site, and the result gained by the steep profile differs conspicuously from the result gained by the low lines of the first hill-top house.

(Continued on page 142)
A Happy Thought For Your Glass Garden Linking

Isn't it so, that you have always kind of put off having a glass garden of your own, just because you couldn't quite figure out how it could be linked up to your residence without having sort of a hitched-on effect?

Here there is the happy thought of an architect friend that holds a suggestion.

In a most charming way it makes possible, always having a perpetual flower-dilled summerland, just a step from your door. That snug little work room might well be a bit larger and by some slight changes in the design, be used as a garage as well. Then you could always have it warm for your car at practically no extra expense.

This glass garden is 18 x 33 which you can well imagine gives you quite a goodly amount of hardening space for your flower favorites.

Why don't you send for one of us right now, and let us sit down together and unhurriedly plan something out for you. Of course, you are most welcome to our printed matter which we will gladly send at once.

Farr's Hybrid Delphiniums

Wyomissing Hybrids, Semi-double and single. Extra-large flowers in many beautiful shades. 35 cts. each, $2.50 for 10.

Belladonna Seedlings. New type; long spikes of large sky-blue flowers, with an occasional plant of a dark blue.

Chinensis. A distinct species; brilliant, deep blue flowers in great profusion all summer.

Chinensis Alba. Same as Chinensis, but with pure white flowers.

Fornosum. The old-fashioned dark blue Larkspur. Free bloomer and one of the most reliable of all. Most effective when in groups of a dozen or more plants.

My "House and Garden" Offer

5 vars., 3 plants each (15 plants) $3.50

5 vars., 6 plants each (30 plants) $6.00

5 vars., 12 plants each (60 plants) $10.00

To secure these special prices be sure to mention House and Garden.

BETTER PLANTS—By Farr

A new book giving a complete list of peonies, irises, phlox, hardy chrysanthemums, delphiniums, new and rare lilacs, deciduous and evergreen shrubs.

Good for everybody—quite worthwhile for anybody

A copy of this book has been sent to my regular customers, but other interested garden-lovers may have a copy by sending me their name and address.

BERTRAND H. FARR Wyomissing Nurseries Co. 106 Garfield Avenue, Wyomissing, Penna.

It Is Not Too Early

to make arrangements for the planting you intend doing this spring. We have a large stock of hardy New England grown evergreens, trees, shrubs, roses, and perennials from which to select plants that will fill your requirements. If you are looking for well-grown plants dug and shipped properly, we know that we can serve you to your satisfaction. A copy of our 1923 "Handbook" will be mailed upon request.
Now for the joyous planting days!

Are you ready for that first wonderful moment of spring when the thrills of garden making begin? I know what it means to me; I realize what it must mean to you if your Kunderd ruffled, plain-petal or primulipetal Gladioli are ready for Mother Earth's signal!

Kunderd ruffled type Gladioli have re-created the world-wide interest in this charming flower. Kunderd plain-petal type have kept step in color and perfection with the ruffled kinds, for Mrs. Dr. Norton, Paramount and Mrs. Frank Pendleton stand absolutely unrivalled! And, no other strains of primulipetal Gladioli even resemble the new Kunderd family, which is a sensation in exquisite butterfly and orchid-like forms.

My enthusiasm is so keen for all three kinds; my joy in having them bloom gorgeously in your garden is so great, that I say again—Please send quickly for my new catalog (describing nearly 400 varieties, with 28 in color), and get off your order as soon as you get it; or, if you have already received the catalog, don't delay an unnecessary moment! My personal cultural instructions and Special Collection offers are printed in the catalog, which is actually a Gladioli Handbook.

A. E. KUNDERD, Box 2, Goshen, Ind., U. S. A.
The Originator of The Ruffled Gladiolus

Kunderd Gladioli

“They never disappoint”

Personal Message

Calls for Kunderd Gladioli this year have so exceeded expectations that I urge old friends—and new—to send requests at once! Stocks of many of the greatly desired new kinds are already low. I don't want any admirer of Kunderd Gladioli to be disappointed this year. Write me immediately—while I can help you!—A. E. K.

Relating the House to Its Site

(Continued from page 140)

The site at the head of page 74 sup­poses a broad sweeping moorland, divided by trees, and with most of its natural lines horizontal. The conformation of this site obviously suggests the long, rumbling type of house, picturesque and romantic in its character, and built with intent to look as though it pos­essed a considerable age, and had belonged for many generations on its site. The extremities of its mass are brought down toward the ground with intent to harmonize the profile with the sweeping lines of the country. A device also aided by the wall of the enclosed garden. A walled garden, whether for flowers or vegetables, is almost a necessity for a house on any site of this type, because it provides a definite area for garden treatment, and gives the effect of shutting out the surrounding stretches of barren coun­try. The house indicated in the sketch is a house of considerable size; its character, for a moorland site, would be the same if it were much smaller.

AN ORCHARD SITE

Two sites of a very different char­acter are now considered. The first sup­poses an old orchard on a tract which was once a farm. The very earth underfoot seems old and cultivated, and the only house which seems at home in such an environment is a house of the kind that might have been built by the early settlers who planted the orchard. The governing point veers at once from profile, a consideration primarily aes­thetic, to style, a consideration primarily historical. The site, possessing no salient topographical features, suggests no specially studied roof-line: the problem becomes rather one of historic relation­ship, rather than of physical relation­ship. The profile illustrated is that of the end view of a house of Dutch Colo­nial type, with two extensions lower than the main body of the house. Here, although the type is a conventional one, the element of variety and interest in the roof-line to make for picturesque charm, but also a quality of logical ap­proprietateness of type to dwell in easy harmony with the old environment.

The second of the old "orcharded" sites is the site in or near old New England villages, where old shade trees and ancient stone walls combine to urge the conventional New England type of house, white with green leaves, quiet, reposeful and ideal for the kind of house that will give a necessary effect of stabi­lity and permanence. Every prospective builder should make himself as sensitive as possible to the profile of every house he sees, as even to visualizing the effect of his own as yet unbuilt house. It should not be forgotten that profile, whether good or poor, is an element in house design that exists quite irrespec­tively of style or material.

A BARE HILLSIDE

The architectural intention in the house on the bare hillside was to utilize both profile and mass in such a way as to give a necessary effect of stability and counteract the height of the hill. To parallel the bare hill-slope with the roof-line would give the house an unfortunate effect of sliding down the hill, or of caving, cate­pillar-like, up it. The left slope of the roof is in sufficient harmony with the up­hill slope on the up-sides of the house, the steeper slope on the hillside. The roof is a necessity too, even if it means much sub­line of it, and makes for definite character.

The sketch supposes a level site with a background of trees, or a steep hill, and in such a case the question of profile gives place to what architects call "front elevation" and laymen call "front view." This consideration is primarily a pictorial one. The element of variety and interest, although the type is a conventional one, would fit this kind of site better than any other. The rear is never seen, the mass of the house together. If visualizing, which is the only way to know a house, the surface of being a part of it, the question of profile, views are not seen consciounously, simply, is the chief consideration. The only house which seems at home in a bare hillside is the picturesque front ele­vation, certainly, is its main solution, and should try to visualize site and house together. Here again the question of profile sup­ersedes any other serious consid­erations such as are found in hillside or hill-top locations, or in sites which admit of no aid from trees.

STUDYING ONE'S SITE

Methods of approaching the problem of relating house to site will depend naturally upon conditions in given cases. If no site has been acquired, and the prospective builder has set his heart on a certain kind of house, he should look about for a site that will most happily accommodate it. If he already has the site, he should give very careful thought to the kind of house that will best harmonize with it, perhaps giving up some preconceived idea of an unrelated house. If the prospective builder has acquired a considerable tract of land, diversified in conformation, he will have before him some choice in the matter of site, and should try to visualize site and house together. If visualizing, which seems to be the best way, does not lie within his accomplishments, he will do well to take a number of photographs of the various possible building sites on his land, and try hi
ACARPET-LIKE lawn adds much to the value of a fine home. Ideal Power Mowers maintain such lawns at low cost by cutting them evenly and rolling them to velvety smoothness in one operation.

Your caretaker or an unskilled man at laborer's wages can do perfect work with an Ideal. He can cut from a half to a full acre an hour, trimming the borders closely. Contrast this with the cost of mowing, rolling and trimming your lawn by hand and you will readily see why an Ideal pays for itself so quickly.

We will be pleased to send you interesting literature and prices upon request.

Ideal Power Lawn Mower Company
R. E. Olds, Chairman
403 Kalamazoo Street, Lansing, Michigan
New York, 13-19 Hudson St. Chicago, 11 East Harrison St.
Dealers in all Principal Cities

IDEAL Power Lawn Mowers

GALLOWAY POTTERY

Gives the Essential Touch

A Bird Bath will be a source of continual delight, enticing the birds to linger in your garden. The beauty of plants will be enhanced by interesting Vases and graceful Jars.

Attractive designs may be selected from our collection of enduring Terra Cottas which also includes Benches, Ponds, Sun Dials, Gazing Globes and other charming decorative accessories for the garden, sun room and house.

A catalogue illustrating 300 numbers will be sent upon receipt of 20 cents in stamps.

GALLOWAY TERRA-COTTA CO.
3218 WALNUT STREET
PHILADELPHIA

Wouldn't you like to have a Garden like this?

So invitingly beautiful, yet adaptable to the requirements of any property and to the size of any pocket book, such a lawn is, by far, more a matter of taste in selection and arrangement than expense. Just a few Trees and Shrubs rightly chosen and placed are often more effective than a lavish expenditure for a poorly thought-out planting.

"On Beautifying the Home Grounds" is our illustrated booklet which, with our new descriptive catalog H, is designed to help you realize the biggest dividends in enjoyment from your investments in plants. Ask for them and for our Special Offer Folder.

Moons' Nurseries
THE WM. H. MOON CO.
MORRISVILLE PENNSYLVANIA
which is 1 mile from Trenton, N.J.
Flowering Trees and Shrubs of Oriental Splendor

WHERE a large tree is not desirable, or an evergreen may be too formal, flowering shrubs will be ideal. So, too, groups and combinations will be found preferable wherever such an arrangement is possible.

The species and varieties grown by Outpost Nurseries and here offered, are extremely rare and difficult to obtain. They are choice and beautiful specimens, and must not be confused with ordinary stock.

One each of These Seven Trees and Shrubs Extra fine specimens (7 in all) for $20.00

JAPANESE WEEPING CHERRY (Cerasus avium roseo pendula). Produces a strong Japanese effect with crooked drooping branches. Beautiful pink or rose flowers. Excellent for backgrounds. 6 foot specimens $5 each.

JAPANESE FLOWERING CRAB APPLE (Pyrus floribunda). Literally covered in spring with fragrant pink flowers of rare charm. Extremely ornamental, very hardy and desirable as specimens or in the border. Strong specimens, 4 to 5 feet, $1.50 each.

JAPANESE DOGWOOD (Cornus kousa). A Japanese counterpart of our own Cornus Florida. In the Japanese species the berries are united in a flushed strawberry-shaped mass. The leaves are small, the fruit having a brownish slender pedicle. Blooms about the end of May when the tree is in full foliage. Strong specimens 4 to 5 feet, $2.50 each.

These flowering shrubs represent only a small part of the remarkable collection at Outpost Nurseries. We shall be glad to have you come to the Nurseries and get acquainted with our resources, quality of the stock and the care given to its growth. If you cannot visit us, write us about your home or estate and we will gladly give suggestions and advice for landscape planning.

New illustrated catalogue sent on request

Outpost Nurseries

Danbury Road
Ridgefield, Conn.
Schlins's Novelties for your new Garden!

We want you to know Schlins's Seeds— Seeds produced by specialists and originally raised in small quantities for the use of master gardeners of great estates to produce their prize effects, but now grown in such quantities as to satisfy in part at least the popular demand. Schlins Seeds will give you maximum satisfaction because of their supreme quality—they are seeds with a tradition that you can cut and recut and it will continue to maintain! Just to prove to you their worth and start a life-long friendship we make the following remarkable offers of Schlins Specialties for 1923:

Offer No. 1
Our "Get Acquainted" Specialty Offer to House & Garden readers
A $3.00 value for $1.00

1 pkt. Schlins's First Early Blood Best—Stem-long, flower spikes as tall as Gladioli and very strong as Gladioli. (See Illustration)
1 pkt. Schlins's Wonderful Head Lath—Romantically beautiful and very strong as Gladioli. (See Illustration)
1 pkt. Schlins's Brilliant Marigold Robust—Beautifully fringed, like a Fan, will last a season. (See Illustration)
1 pkt. Schlins's New Double Purple Merry—The spray of large semi-double of deep blue. Blooms... 25c.
1 pkt. Schlins's New Double Orange Glory Calendula—pure glory Orange, perfect in form and color. 25c.
1 pkt. Schlins's New Annual Chrysanthemum Moring—A rich rose-colored; Beautifully fringed, as if covered with lace. 25c.
1 pkt. Schlins's New Double Red Hybrid Pansy—Beautifully fringed, so dense that the leaves cannot be seen. Blooms profusely the first season. 25c.
1 pkt. Schlins's New Annual—Golden Yellow (Aulunn color) rich towards the center to a wonderful color. Blooms almost like a Fan, perfectly fringed. 25c.
1 pkt. Schlins's New Annual—Golden Yellow (Aulumn color) rich towards the center to a wonderful color. Blooms almost like a Fan, perfectly fringed. 25c.
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1 pkt. Schlins's New Annual—Golden Yellow (Aulumn color) rich towards the center to a wonderful color. Blooms almost like a Fan, perfectly fringed. 25c.
Catalog Prices, total ............................. $3.00

Offer No. 2
12 New American Snapdragons for 1923 including "Indian Summer" with flower spikes as tall and strong as Gladioli (See Illustration)
$12.00 value for $9.00

Indian Summer (illustrated)—A new size and a new tone—indescribably beautiful Golden West—A rich deep golden yellow with red Petunia Pink—A rich rose-colored, with yellow tips and very strong as Gladioli 1.00
Punica—A rich rose-colored, with yellow tips and very strong as Gladioli 1.00
Vermilion—A splendid orange-white variety with silky petals 1.00
Novato—Pure delicate salmon-colored off without center 1.00
Nevada—Deep rose with center of mother color 1.00
Punica—Deep salmon-colored with silky petals 1.00
Nevada—Deep salmon-colored with silky petals 1.00
Punica—Deep salmon-colored with silky petals 1.00
Nevada—Deep salmon-colored with silky petals 1.00
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Nevada—Deep salmon-colored with silky petals 1.00
Nevada—Deep salmon-colored with silky petals 1.00
Catalog Prices, total ............................. $12.00

Our "Book for Garden Lovers"
Free with any one of these orders—or separately 25c.

A large, handsome book of 156 pages full of information and suggestions for every gardening need. An invaluable guide to you in planning your next garden.

Please use this coupon when ordering.

Schlins's Seeds

Special Offer No. 6
The entire collection of Schlins Specialties offered on this page—
Total value $27.25 for only $18.00—An unparalleled opportunity!

Schlins's 1923 Novelty Collection
You must have these in your garden this summer
$6.25 value for $5.00

Offer No. 4
This includes Offer No. 3 complete and in addition our Sunburst Collection of giant Dahlia-Zinnias in 12 separate and distinct colors—Tyrann Red, Mallow Purple, Spinal Red, Cadmium Yellow, etc., and regularly $5.00 alone.
An $11.25 value for $8.00

You may order separate items at prices given

Offer No. 5
PERPETUAL SPINACH
Another exclusive novelty not obtainable elsewhere. A real spinach that you can cut and recut and it will come and come again—not a Swiss Chard, but a big-leaved, quick-growing succulent and fall spinach which takes the place of all other varieties. A $1.00 package will supply your table all summer.

Max Schlins Seedsmen, Inc., 26 West 59th St., New York
I enclose $............ please send me your

OFFER NO. 1  OFFER NO. 2  OFFER NO. 3  OFFER NO. 4  OFFER NO. 5  OFFER NO. 6

NAME  ADDRESS
How should you choose your Tree Surgeons?

Assuming that you are an average tree-owner, you have neither the time nor the desire to spend time in detail the technique and science of saving trees. You have no means of knowing the value of Tree Surgery work, either in correct methods or reliable men. Therefore you must buy Tree Surgery service on faith.

Twenty-two years ago John Davey published his first book, "The Tree Doctor." Then began the slow and conscientious building of the Davey organization. In those early years the business was measured in hundreds and thousands of dollars. In 1922 the business amounted to one million dollars. During the past twenty years more than eighteen thousand clients have been served—more than four hundred thousand trees have been treated and saved. During the same period, many tree men have sprung up, lasted for awhile and disappeared. The Davey organization is the only concern that has endured and grown steadily and proven its inborn merit. The law of cause and effect makes this success significant.

The Davey organization is the one safe place to go. You do not need to know anything about trees or Tree Surgery values. Every Davey Tree Surgeon operates according to fixed high standards and under strict discipline—you could not hire or persuade him to give anything but standard Davey Service.

Davey Tree Surgeons are near you—if you live between Boston and Kansas City or in California. Write or wire nearest office for examination of your trees without cost or obligation.

THE DAVEY TREE EXPERT CO., INC., 503 ELM STREET, KENT, OHIO
Branch offices with telephone connections—New York, Astor Trust Building, Fifth Avenue and 42nd Street; Boston, Merchandise Trust Building; Philadelphia, Land Title Building; Baltimore, American Building; Pittsburgh, 251 Fourth Avenue; Buffalo, 110 Franklin Street; Cleveland, Hippodrome Building; Detroit, General Motors Building; Cincinnati, Mercantile Library Building; Chicago, Westminster Building; St. Louis, Arcade Building; Kansas City, Surratt Building; Los Angeles, Garland Building; Montreal, 252 LaGauchetiere, West.
The fact that King Greenhouses are of sectional construction enables you to start your greenhouse with a small unit and add to it from time to time. The greenhouse, pictured above, consists of a palm house and two wings which can be erected in units or as a group. We shall be pleased to furnish plans and estimates for any size and style house.

The above greenhouse is on the country estate of Mr. A. S. Kreider, Annville, Pa.

**Announcing the New Catalogue**

The Wolcott Nurseries take pleasure in presenting to the garden world a new and distinctive catalogue containing a list of the choicest alpines and herbaceous perennials in this country.

The greatest attention has been given to the description of these alpine flowers as well as detailed instructions for their successful care after transplanting. Many of these plants have heretofore been considered very hard subjects for the amateur gardener but with the proper soil requirements, which are given in this catalogue, they should thrive and become a delight to the eye.

We believe that the alpine garden is a most fascinating part of the landscape and those who have grounds suitable for the successful placing of such a garden are indeed fortunate.

To insure this catalogue reaching the true garden lover we are making a small charge of twenty-five cents which will be refunded with the first order.

**WOLCOTT NURSERIES**

Designers and Builders
Alpine Gardens, Herbaceous Borders, Landscapes
Clinton Road, Jackson, Mich.

---

The Gladiolus is one of the most satisfactory flowers grown and there is no reason why every family cannot enjoy this grand flower—it is as easy to grow as the potato.

Bloom from July to frost if you plant a few bulbs each month from April to July.

For TWO DOLLARS we will send 50 Bulbs of our Grand Prize Mixture, which covers every conceivable shade in the Gladiolus kingdom.

Each year we sell thousands of these bulbs and have received numerous testimonials as to their merits. Simple cultural directions in package ORDER YOUR BULBS NOW so as to have them to plant when you begin making your garden.

Mail this advertisement, or present at our store, with Check, Money Order, Cash or Stamps, and secure this splendid collection, sent prepaid to any point in the U. S. east of the Mississippi. Fer points West and Canada add $2.25—($2.25).

Our 25th Anniversary Seed Annual sent on request

30-32 Barclay St., H. G. New York City
Making a Perennial Border

(Continued from page 87)

The Succulent Vegetables of Spring

(Continued from page 84)

avoided. In theory the gardener sows thinly, but not so in practice for several reasons. Finally, because in many cases the seeds are large enough into the garden rows, but large enough to admit of a seed tray. Some seeds germinate slowly, and are thinned to stand two and one-half, in some cases two inches deep, as it has over new varieties, the more patient gardener may raise many of the flowers here suggested from seed. The iris and peony, the day lily and all those hybrids that do not come true to seed should be pur- chased, the gardener selecting his color according to variety.

Not everyone can start with newly dug unenanted soil and be able at once to fill it with all those plants which will carry out a definitely prepared plan. Most people must be content to perfect gradually, taking up and replacing as tastes and ideas alter and circumstances allow. Perhaps in the end this is the happiest way. It might be hard to ad- just that the worked out plan required after but one year's trial, but the gardener will always be on the watch for this time of the year—we have followed these few remarks as a general rule; for this time of the year we have followed these few remarks as a general rule; the gardener selecting his color according to variety.

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YOUR Lawn Needs Rolling

The DUNHAM WATER-WEIGHT ROLLERS have almost entirely supplanted the old Cast Iron and Concrete Rollers.

The DUNHAM WATER-WEIGHT ROLLERS have a Steel Drum into which Water can be poured until the Roller is just the weight for the work at hand.

Made in a variety of Sizes and Weights, including a Roller for Horse or Tractor.

Lawns need rolling when the grass is new; also when the turf is soft in the spring, and through the summer when they are dry and hard. At times they will stand the heaviest weight and at other times the Roller should be lighter.

The DUNHAM WATER-WEIGHT ROLLER can be made as heavy or as light as desired by simply putting in the right amount of Water or Sand.

For storing away or for moving, it can be emptied entirely and is light and easy to handle.

Sold by Leading Seed Houses, the better Hardware Stores and many Department Stores. Insist on the DUNHAM, "THE BEST ON EARTH".

FREE BOOK ON LAWNS

The Proper Care of Lawns


A Treatise on:
Lawns
Parks, Etc.
Loam
Seeds
Grounds
Fertilizing
Watering
Weeds, Etc.

Tricker's "Arlington Trio" may well be called the "Three Graces" of all the Hardy Water Lilies. For tub or pool culture they are unsurpassed, showing their dainty white, pink, and yellow blooms at the same time, and in the greatest profusion.

Three Marliacea Varieties
(One plant each of the "Arlington Trio") FOR $3

This charming Trio, with a number of other fine Water Lilies, is pictured in natural colors in Tricker's 1923 Catalogue

This book features a new and novel form of gardening, in which Water Lilies, Lotus, Victorias and various water plants play the chief part. You will be interested beyond belief. Write me today for a copy.

WILLIAM TRICKER
Water Lily Specialist
662 Forest Street
Arlington, New Jersey

Beautiful Cosmos

Flaming its profusion of beautiful bloom it remains the glory of the garden, most appreciated after more tender flowers have surrendered to the early frosts.

Send for our free catalog. It lists only the choicest strains of many varieties of bulbs, seeds and shrubs. We especially recommend our offerings of Sweet Peas, Asters, Dahlias, Gladioli, Hardy Perennials, Ornamental Shrubs and Vegetable Seeds; they please the most discriminating grower.

Send for the catalog now,
Fottler Fiske Rawson Co.
Boston, Mass.
The Succulent Vegetables of Spring

(Continued from page 146)

Shallow and frequent cultivation is a sine qua non in good gardening. It conserves the moisture at the roots of the plants where it is required, and obviates the labor of watering. To pull up and hoe the weeds is not sufficient, the garden rake must be kept in action so as to make a dust mulch alongside the rows of plants. Experience has taught the practice to dig enough fertile soil into the soil, and rake it into its surface or into the seed drills enough chemical fertilizer so that the year's latter will give the crop a quick start, and the former carry it out till it is in its growth, and rather than to be done before the plants are checked ready for use. If, however, fertilizing the growing crop is practiced, it should be compounded with some chemical fertilizer by ourselves. We prefer to use "A complete vegetable manure for heavy" or "for light soil", as the case may require; baked in alongside the rows.

The thoughtful gardener gathers vegetables as soon as they are large enough to eat, and must have patience to harvest and have a delicate flavor. It is a great mistake, to allow them to grow to approximately full size so that the crop may measure up big. A beets rest when the size of the tender, and the tender, and the delicate flavor be compared to a pound and a half spring chicken and a full grown vegetable. It is illustrated in a very old hen. In one case you have delicate flavor, in the other, size.

Most of us really have neither the good habit of gathering vegetables when quite young. Just seeing in our mind's eye that the size of beets, the side dish of French Forcing carrots and Laxtonian peas, gathered young makes us rejoice in the poet's thought, "If winter comes, can Spring be far behind?"

Fifty Good Flowering Shrubs for the Garden

(Continued from page 63)

Native red osier, cornus stolonifera, is a valuable shrub for the masses employed in screening the porch or decorating the chimney. Mild Teas and Perpetuals in a rich variety of colors for cutting. All will bloom riotously with very little care.

All our Roses are field-grown, heavy two and three year old plants. Planted in April they will often begin blooming by mid-June and some varieties will continue until frost time.

What Rose Lovers Say

About Rosedale Roses

(Names furnished on request)

We unpacked and planted the Rose Bushes Saturday last, three days after they arrived. We found them not only in fine condition but well "cut back," leaving nothing to do but proper planting and after care.—New York.

I shall want a few more Roses this year, and yours are the best I have been able to get.—Massachusetts.

The Roses shipped by you April 20th reached me April 25th in splendid condition, and were in every way satisfactory.—Idaho.

Your shipment of Roses to us was so satisfactory we wish to order more and would like your general catalog.—Illinois.

Meet Us, Mar. 12—17, at the "Booth of Big Evergreens" NEW YORK FLOWER SHOW

Read about our complete line of Hardy Roses, Fruit Trees in ordinary and bearing sizes, Evergreens, Shade Trees, Shrubs and Vines in our Illustrated Catalog

All Rosedale Planting Material is priced "As Low as Consistent with Highest Quality". You will effect a big saving and assure satisfaction by ordering direct from our Nurseries.

ROSEDALE NURSERIES "Outfitters for the Home Grounds."

Box H
Tarrytown, N.Y.
RID THE GARDEN OF INSECT PESTS NOW

When the green things appear, tender plants and buds, you’ll need the song birds. They are the destroyers of the insect pests. That is why you see more Dodson Bird Houses each year, why they are an important investment.

These little scientific houses attract the birds season after season and help multiply these cheerful workers. Your trees, for example, need the woodpeckers. Their chisel bills and sharp tongues bore deep into the bark where insects lurk. You could not see these insects till the tree was dying! The early robin hunts March-flies! Each Dodson Bird House attracts some helpful bird. Order now from Kankakee. Mr. Dodson will gladly advise you.

Save the garden, the trees and the shrubs!

JOSEPH H. DODSON 731 Harrison Avenue KANKAKEE, ILLINOIS

Mr. Dodson is President of the American Audubon Association

The Vaughan Cucumber

INCOMPARABLY the finest salad cucumber which can be grown outdoors in America. It produces long, slender fruits of a cool, dark green, which when still immature and of the finest table quality, commonly exceed 14 inches in length and are of ideal proportions, the greatest diameter never exceeding one-fourth the length. There is no variety to compare with it in size or quality. It grows vigorously under ordinary conditions and needs no coddling. Packet 10 cents; compare with it in size or quality. It grows vigorously under

Porch Life’s Pretty Easy

After a Thousand Bugs a Day, a Good Home Means a Big Family and That’s What I’ve Got This Year.

Bobbink & Atkins

ROSES

Our descriptive New Rose Catalog, profusely illustrated in color and black, is replete with the largest and most complete collection of Roses in America. All of our plants are two years old, low-budded and field-grown. We shall gladly mail a copy of this complete Rose Catalog to those who intend to plant Roses.

In our 500 acres of Nursery, we grow everything for the complete planting of every style of garden.

LILACS

EVERGREENS

JAPANESE YEW

HARDY AZALEAS

RHODODENDRONS

TREES AND SHRUBS

ROCK GARDEN PLANTS

FRUIT TREES AND BUSHES

OLD FASHIONED FLOWERS

BROAD LEAVED EVERGREENS

AMERICAN AND JAPANESE HOLLY

GIANT FLOWERING MARSHMALLOW

The above are described and priced in our Illustrated General Catalog. When requesting Catalog, please state in what you are interested.
This Year Book of Little Tree Farms

has been written to help you make your home grounds more beautiful.

It presents in concise non-technical language the story of "How to Plant"—from a simple doorstep or foundation planting to elaborate landscape effects for great estates. This story, illustrated by hundreds of fine photographs, will help you decide what effect you want, what materials to use, and will tell you what it will cost. Many special groupings and combinations offer make decision simple.

This book is sent free. Write for it.

We cannot hope to meet all the friends of our Little Tree Farms face to face. This book, therefore, is in personal representative, informed with all our knowledge and experience, all our enthusiasm and desire to serve you, to the end that it may be truly helpful and thus fitly represent Little Tree Farms.

The "6 for 10" Friendship Evergreen Box (See illustration below)

To acquaint you with the character of Little Tree Farms service and products, we offer you the collection illustrated, for ten dollars.

Just the right varieties to plant at your doorstep, under that bay window, or in that corner of the lawn where you have often wanted to put something. Each of these is a specimen plant, selected for vigor of growth, fine shape and beautiful color in combination. It is an exceptional value, for it is to perform an exceptional service. It is to show you what ten dollars will do for you when invested in plants grown at Little Tree Farms.

1 Blue Spruce 2'-3' tall
1 Arborvitae 3'-4' tall
Ground Juniper 1½'-2' Spread
1 Douglas Fir 2'-3' tall
1 White Spruce 2'-3' tall
1 Red Pine 5'-6' tall

They are three times transplanted, their roots in a ball of native soil, burlap wrapped. The whole shipment, carefully crated, is delivered free to the Express Office at Framingham, Mass. Please enclose remittance with order.

"6 for 5" Friendship Offer No. 2

3 Arborvitae
3 White Spruce or 6 of either 18 to 24 inch tall
$5.00 (remittance with order)

Bright bushy little fellows just the right size for front or back yard, or to "Chink In" around their big brothers of 6 for 10 offer above. Shipped in one burlap handle moist packed in mass-average shipping weight 25 lbs.

Little Tree Farms
AMERICAN FORESTRY COMPANY
419 Boylston Street Boston, Massachusetts

Fifty Good Flowering Shrubs for the Garden

(Continued from page 148)
When the Grass Begins to Grow

A Coldwell Mower should be handy. And if you want your lawn to be a suitable setting for your beautiful home, an early start and very frequent trim are necessary.

Coldwell’s Model “L” is best adapted to frequent mowing—its large capacity, six acres per day, saves time and labor for your gardener. Gentle rolling of the 28-inch swath follows the cutting action immediately, smoothing the lawn, and eliminating lawn pests.

In mechanical detail, the Model “L” is highly perfected, and its Fuller and Johnson motor so trouble-proof that inexperienced hands may easily operate it. We will tell you more or arrange to demonstrate, at your suggestion.

COLDWELL LAWN MOWER CO.
NEWBURGH, N.Y. U.S.A.

HARDY PLANTS
in quantity of
unusual quality

LAST summer was the most favorable summer for the growing of hardy plants in the open fields we have ever experienced in the history of our business.

Due to these unusual weather conditions we were able to produce about 1/2 million more plants than we did the year before. The same good results were obtained in growing our Gladioli.

In view of these facts we want to pass on to our customers a share of our good fortune in the following manner.

For each $10.00 worth of Hardy Plants ordered from our spring catalogue you may select $2.00 worth of Gladioli Primulinus, free of charge from our Gladioli list enclosed with our plant catalogue. This offer is good for as long as our Gladioli Primulinus hold out.

Furthermore, we guarantee, that each and every plant and bulb we send out is true to name, of the highest quality and a strong field grown clump or root, and if upon receipt they are not what you expect them to be, do not have to be paid for.

Our 1923 Hardy Plant Catalogue is now ready. May we send you a copy?

Wayside Gardens
Mentor, Ohio
Fifty Good Flowering Shrubs for the Garden

(Continued from page 150)

-Shrub yellow-root, santanhita api-
folia, is a colorful, usually low-growing 
shrub for the periphery. Its flowers, 
blooming in April, are small and pur-
ple. The foliage is densely cut and 
turns a brilliant orange in the Fall. 
The stems remain a warm yellow 
throughout the year.

-A loosely growing type of barberry, 
berberis vulgaris latea, is a welcome 
variation from the more commonly 
used varieties. Its foliage and incon-
spicuous flowers are similar to the 
familiar berberis Thunbergii, but 
more spreading in habit, and its ber-
ries in late Summer and Fall are 
delightful golden color. It will grow 
to 6'.

A bank covered with weeping golden 
bell, forsythia Fortinsuii suspens, pro-
teed beautiful violet-colored ber-
ries in late Summer and Fall are a
never exceed 8', however, and will

The chief characteristic of bayberry, 
myrica cerifera, is its waxy gray fruit 
which hang along its branches in the 
Fall and which can be boiled down 
to a substance for making candles. 
Its leaves are gray-green in Summer, 
and turn a purplish bronze in the 
Fall and which can be boiled down 

The Ghent azaleas, especially the 
South of Baltimore, bush arbutus, or 
abroa grandiflora, is almost the 

It is covered with small rosy-pink 
flowers from late Summer until frost, 
and which can be boiled down in 
May and July, are from pink to crimson. 
Shrubby honeysuckle, diervilla ses-
I is much heavier and larger flower-
ed than the honeysuckle vine. 
Its blossoms in June and July are from 

The stems remain a warm yellow 
throughout the year.

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Dwarf Fruit Trees

Best for the home garden

Dwarf fruit trees—something old in a new way—same kind of fruit—smaller growing trees—planted closer than the old way (ten or twelve feet apart)—need less room—makes them right for your own garden—never get too big—easier to care for—easier to pick the fruit—bear sooner than ordinary fruit trees—get some fruit quicker (from two to four years after planting) never too early to plan the Spring cleaning up and Spring planting—get our catalogue now—never too late to try a good thing—plant dwarf fruit trees this Spring.

Which Apple Trees Do You Need in your Fruit Garden?

FOUR KINDS OR NINE KINDS!

STANDARDS OR DWARFS!

Catalogue Free

The Van Dusen Nurseries
C. C. McKay, Mgr., Box B
Geneva, N.Y.

HELIOTROPE:
“Royal Fragrance”

A Royal Name for a Royal Flower

Of all the fine novelties we have introduced for the past twenty years to the American public, this is one of the best.

“Royal Fragrance”, produces a truss of flower, 18 inches across; brilliant Royal Blue in color and a fragrance that can be detected all over the garden. These qualities combined with a splendid, dwarf habit of 12 to 18” in height, make it a very valuable border plant as well as for growing in a solid bed.

Delivery of well grown plants of the above, from 2½ inch pots, at the proper time for planting in May: $3.00 dozen; $20.00 hundred.

Plants in 3 inch pots; $4.00 dozen; $30.00 hundred.

Other varieties of Heliotrope, described in our 1923 catalog, which is yours for the asking.

Charles H. Totty Company
Headquarters for Novelties for your Garden. Roses, Chrysanthemums and Hardy Perennials.

This New Celosia is Both a Summer and a Winter Flower

In Summer the blooms of Celosia chrysanthemiflora are like huge chrysanthemums. The colors are gorgeously beautiful—golden yellow, lemon, orange, shell-pink, old rose, salmon, mulberry, violet, Nile green, wisteria and maroon.

For winter these colors can be retained by drying the blooms in a dark place; they are more beautiful and more lasting than the “everlasting flowers” for winter decorations.

Mixed colors only, 50 cts. per packet

With your order for a packet of this new Celosia we will send a copy of Forbes’ 1923 Seed Catalogue. A quarter century’s experience in seed growing is put at your service. Practical helps for amateur and professional gardeners, with cultural notes, make the book valuable to all. To customers it is sent without notice; to others who are interested in Forbes’ Seeds it will be sent on request.

ALEXANDER FORBES & CO.
Box 296
Newark, New Jersey
An Amazing Value

This Attractive Lincoln Wren House
$1.00

Here is an unusually attractive bird house—that only wrens can use. It looks like a miniature log cabin. It is made of wood, tinted a soft brown color, and has a thatched, weatherproof roof.

The song of the wren is melodious and flute-like; its amusing ways make it a favorite with everyone. It destroys large numbers of obnoxious insects; it never hesitates to attack dogs, cats, swallows, and other birds when they near its habitation. But it is astonishingly friendly to human beings.

The Lincoln Wren House can only be inhabited by the wren—and it is built to especially attract them. In appearance it is the equal of wren houses costing five to seven dollars. And yet because we build in tremendous quantities—and ship knocked-down, in a form that any child can quickly put together—we are able to sell this attractive bird house for only $1.00 prepaid. (West of Denver and Canada $1.25.)

Here is a real bird house bargain that you should take advantage of! Attract wrens—they will liberally repay any attention you give them.

Send $1.00 now for each Lincoln Wren House you want.

Take advantage of this offer today.

If you aren't delighted—money back.

Fill out the coupon below and mail it in now.

Fifty Good Flowering Shrubs for the Garden

(Continued from page 152)

here will be sure to make its presence felt in the early Spring with its brilliant blooms. It will grow to a height of 3' or more and, after its flowering season, present an excellent mass of substantial foliage.

FOR INDIVIDUAL ACCENTS

For accents and formal touches in the garden the following shrubs, because of their definite and more or less regular outlines and compact habits of growth, will be found effective.

There is probably no more deservedly popular shrub than Thunberg's barberry, Berberis thunbergii. Its well rounded shape, its attractive foliage and its colorful aspect in the Fall and Winter, when it is covered with bright red berries, make it especially desirable as a plant to stand at the intersection of paths, or for any other similar situation in the garden. It is one of the few shrubs which will stand pruning to a smoothly regular shape, so that its height can be controlled. It will grow naturally from 3' to 5'.

Corkbark euonymus, euonymus alatus, is an interesting looking shrub, erect and formal in growth; suitable for placing on either side of a gateway or arbor. It is one of the most brilliantly colored shrubs in the Fall, its foliage turning a burning scarlet to match the bright red berries. It will grow to a height of 4'.

White kerria, rhodotypos kerrioides, is decked with pure white flowers in the Spring and carries shiny black ornamental berries throughout the Summer among its fine leaves. It will grow into a well-rounded, compact bush about 5' in height and spread.

The flowers of the shrub stewartia, stewartia pentagyna, are cup-shaped and camelia-colored, the largest blossoms of any shrubs, being 2" to 3" in diameter. They bloom in July and August and make at that time an unrivaled show. The plant should be given plenty of space in which to develop as it will grow from 6' to 12' in height.

Snowberry, sambhucarpus racemosus, of the catalpa, is more famous for its fruit than its flowers. The berries, as the name indicates, are white and are clustered among its attractive leaves from early Summer until frost. The flowers are pinkish and somewhat inconspicuous. The shape of the bush is nicely designed for its use in formal situations. It grows to a height of about 3'.

The French hybrid lilacs are perhaps the most suitable of the type existing to use in the garden, not only because of the neat, compact habit of growth, but because of the wide range of colors obtainable in the matter of bloom. The colors range from white, through the pinks, lavenders, and light blues, to deep purple. They bloom in the Spring and reach a height of 8' to 10'. It is wise to prune them immediately after flowering as they form their next season's buds at that time.

The flowering almond, prunus anygadius communis, covered with its white blossoms, is one of the finest Spring blooming shrubs. It will grow to a height of 6' or more, but its shape and outline will be kept within bounds by pruning. It makes excellent touches in the garden, especially either side of the entrance gateway.

Bouvardia shrub is a dwarf form of the vibernum family. P. carlesii, compact in its habit of growth and growth to a height of not more than 3' or 4'. In late Spring it is filled with loose panicles of white flowers that last over a long period.

One of the best of the hydrangeas for formal use in the garden is Stachyurus. It forms a well rounded bush of excellent foliage, and is covered in midsummer with large clusters of white flowers. It can be kept at almost any height under 8', only fault is that it is not particularly attractive after its leaves have fallen.

SHRUB GROUPING

Next to choosing the right shrub for the right place the important thing to see that it fits smoothly into the environment and that it looks like the best possible way for the effectiveness of the planting as a whole. It is important, in the first of the suggestions given above—that of mass planting, that individual shrubs should be subordinate to the complete grouping. There are two ways in which effectiveness of mass planting may be attained. The shrubs should be so located in the grouping that the varieties will merge into each other both in the matter of size and habit of growth. Low growing shrubs in the various teas, for example, should not be set against tall growers like the pearl bush. Nor should a clump of drooping plants like F. suspensa be placed beside a clump of perpendicular growing althea. All these shrubs may be combined in the same mass, if it is large enough but the transition between should be made by other shrubs. Various clumps of one variety should also be planted in such irregularity that some of the shrubs in the whole will not seem mechanically arranged. Another thing that destroys the effect of two masses is the practice of pruning the individual shrubs to a smooth rounded shape. When pruning is done in groupings of this kind it should be done with the thought of the whole plantation in mind, remembering always that every massing of shrubs is essentially a naturalistic affair and that its appearance cannot be artistic or completely pleasing when it is in any way too obviously artificial. It is possible to effect a decided change in the character of a slope by planting it with shrubs. In some situations it is desirable to give the slope the appearance of being steeper than it actually is. This can very readily be done by using the taller growing varieties at the foot of the slope and working toward the top with those which attain a greater height. When the reverse effect is wanted a scheme of planting is simply changed. On many slopes, especially where the land is low and not well graded, it is more impressive, as well as more appropriate, to use only one variety that will get a mixture of textures and colors.
March, 1923

Crop Assurance from Fruiting Age Vines

Three years ago we prepared to produce Grape vines in connection with which waiting for the crops would be cut short. We planted thousands of them, best kinds, transplanted, pruned and cultivated judiciously. The vines now offered are ready to bear almost within the year they are planted.

Lovett’s CACO—
Equal to Hothouse Grapes

Here is a Grape bound to become famous. A true hybrid of Catawba and Concord which combines the quality of both and ripens earlier. As a prolific producer of Grapes rich in flavor and sugar contents it stands unsurpassed among already garden Grapes.

3-Year old plants, ready to bear, each $2.00, dozen $20.00

Delivery anywhere in U. S. at above rates

Our Free Catalogue of Choice Nursery Products

Describes the choicest obtainable in Strawberries, Raspberries, Blackberries, Grape Vines and all other small fruits. Our fruit trees, both standard and dwarf, are of choicest quality. We also invite your attention to our complete assortment of hardy perennials, truly Hardy Roses, shrubs, trees, etc. Please ask for this catalogue today—it is free.

LOVETT’S NURSERY, Box 152, Little Silver, New Jersey

— Lovett’s for Small Fruits —

He approach to the grounds is of utmost importance, and a smooth, compact, dustless, weedless road adds immensurably to the attractiveness of the general picture.

Tennis courts are wonderfully improved by Solvay—makes a fast, smooth, weedless surface, free from sun glare. Write:

SEMET-SOLVAY CO.,

Syracuse, New York

Hunt’s Lawn Dressing Seed

A new product that feeds the roots of the grass, insuring perfect growth, fine texture and deep coloring. Not a mere fertilizer, like most lawn dressings.

Unsurpassed for Restoring Old Lawns

Hunt’s Lawn Dressing Seed will “liven up” old lawns, force new growth, and cover the surface with a thick turf. Rake the worn spots thoroughly; spread Hunt’s Lawn Dressing Seed heavily on these places, and more lightly on the remainder.

Gives New Lawns the Right Start

Spread Hunt’s Lawn Dressing Seed at the rate of 25 lbs. to each 250 square feet, after the ground is prepared. A day or two later sow Hunt’s Prospect Park Lawn Seed at the rate of 1 lb. to each 250 square feet. This will give a permanent turf, fine in texture, and deep green from spring to fall.

Hunt’s Lawn Dressing Seed is recommended for golf courses, particularly Fairways and Putting Greens where the finest surface is demanded.

100-lb. bag, $40; 50-lb. bag, $21; 25-lb. bag, $11; 5-lb. bag $3.

William M. Hunt & Company, Inc.

148 Chambers Street. New York City, N. Y.
Excelsior

Ornamental Wire Fence, Flower Bed Guard, Trellis Lawn Border and Arches

Improve the appearance of any estate, from yard or garden. There are many conditions which these high grade wire products meet adequately. Write us about your requirements and we shall be glad to furnish you with catalogs and suggestions for your own problem. Excelsior fences and specialties are made with the famous Excelsior clamp construction and galvanized after assembling.

Wickwire Spencer Steel Corporation
41 East 42nd Street, New York
Worcester Buffalo Detroit Chicago San Francisco

Excelsior

Trellis Arches

The graceful arch, laden with flowers, lends charm and beauty to the garden, and lawn.

Artistic and practicable, we make them to meet your individual requirements. Stock widths three to ten feet; heights seven to ten feet.

Constructed with substantial frame and fabric of Excelsior clamp construction galvanized after assembling, and shipped knocked down. Easily erected.

Wickwire Spencer Steel Corporation
41 East Forty-second Street,
NEW YORK
Worcester Buffalo Detroit Chicago San Francisco

The sketches of interiors on this page are by pupils of the New York School of Fine and Applied Art. The one above is by Ruth Withington.

SKETCHES FOR MODEL INTERIORS

A design for a bedroom. Rose hangings, pale blue walls, and bright green in the chair and screen. By Dorothy Cook.

Georgian living room paneled in pine. Yellow hangings and blue-green glazed chintz on chairs. Harry Hazard, Decorator.

Sketch of restoration of the little library in the Hotel de Soubise, Paris. The paneled walls are green with gilded moldings, the hangings yellow. Drawn by Brevard Williams.
**Remarkable Asparagus Results from this newly developed seed**

**HERE** is the asparagus to plant in your garden—Washington Asparagus—a new variety developed by the U. S. Department of Agriculture. No other variety can compare with Washington. It is rust resistant, fast growing and high yielding. The stalks of Washington Asparagus are larger and more deliciously tender than any other market variety.

Our farms have been listed as official suppliers of this newly developed seed and plants.

A package of seeds, or 50 roots, will plant three rows each 50 ft. long, more than sufficient for the average family requirements, and will produce for twelve years.

Send to-day for this special $1.00 package of selected seeds. Or, if you prefer, send $5.00 for 50 roots, or $3.00 for 25 roots.

Postpaid anywhere in the United States. Complete cultural directions with each order.

*Prompt ordering is suggested, as the supply is limited.*

We have an attractive proposition for the large commercial grower.

Riverview Farms  R. F. D. No. 7  Bridgeton, N.J.
This FREE BOOK

Tells How to Get Big Crops and Big Profits from a Kellogg Strawberry Garden

We want you to send for this big FREE Strawberry Book. Written by America’s foremost strawberry grower—gives his secrets of producing the big crops and big profits. Beautifully illustrated in colors and describes fully the many world-famed varieties of Kellogg’s Thorobred Strawberry Plants. It shows how more than 40 years of scientific selection and breeding has made Kellogg’s Thorobreds such wonderful producers of big luscious berries.

New $50,000 EVERBEARER

This book also tells about the greatest strawberry sensation of the age—Kellogg’s NEW $50,000 EVERBEARER. This “wonder berry” which you have been reading about in the newspapers is the King of all Everbearers. Words fail to convey its prolific richness. Our Big, FREE Book tells all about it. Where it came from—Who brought it—and Why it cost $50,000.

Six Bargain Strawberry Gardens

Another big feature of our book is the six (6) Special Strawberry Gardens we are offering at bargain prices—a garden to fit every need and every pocket-book. One of them is shown here. You can order direct from this ad if you wish and save time.

The practical tool below is a combined hill and drill seeder, double and single wheel hoe, $17

R. M. KELLOGG CO.
Box 2707, Three Rivers, Mich.
Our Catalog Will Help You Plan a Fairyland

Sixty-nine years of rich experience is back of the offerings in our 1923 catalog. 1200 fertile acres furnish everything that you may need. Beutiful, fragrant blooms and hardy shrubs for lawn adornment. Vines for garage and arbors. Prolific seeds for the kitchen garden. Handsome shade and luscious fruit trees for that sunny vacant corner. The Storrs & Harrison catalog is free, carefully arranged, complete. Attractive bargain combinations are listed. This worth-while book makes selection easy. It is as handy for reference, around large country lots as small suburban home.

Write for your copy to-day. A post card will bring it.

THE STORRS & HARRISON CO.
Nurserymen and Seedsmen
357 Painesville, Ohio

Woodland Enchantments

FOR nearly fifty years I have specialized in cultivating and distributing the flora of our forests. There are growing in my nursery today hundreds of thousands of these lovely woodland denizens, ready to be shipped to you with the awakening of spring. Whether you contemplate making over your woodland or are just in search of moderate quantities for your suburban estate you will find my new catalog indispensable. A copy will be mailed free to every reader of House & Garden for the asking.

Edward Gillett
Established 1878
Fern & Flower Farm
10 Main Street
Southwick, Mass.

Dahlias

For Delight

Our illustrated Catalogue and Cultural Notes listing the world's finest Dahlias, free upon request.

QUANNAPOWITT DAHLIA GARDENS
WAKEFIELD, MASSACHUSETTS
"At the service of 'Dahlia Lovers'"

Beckert's Seeds

Introducing

(1) Beckert's New Dahlia-Flowered Zinnias

1923 novelties. The flowers are of enormous size, ranging from 6 to 9 inches in diameter. Offered in 6 separate and distinct colors, making a most beautiful collection. Equaled in size and beauty only by those of French and Chrysanthemums. They come in single, double, and semi-double; and provide a plentiful supply of gorgeous cut-flowers throughout the summer.

The Six Are:
Exquisite—light pink and deep rose. Monarch—deep, glowing red; enormous size.
Flame—blended scarlet and orange. Orinde—gold and orange blend.

Special Offer—50 cents per packet; choice of 3 for $1.50; all 6 for $2.50. Orders filled as long as supply lasts.

(2) Beckert's Four O'Clocks

For the first time in America, offered in 5 separate and distinct colors:

White • Rose
Lilac • Crimson • Yellow

Flower lovers hail with delight this achievement, by which the colors of Four O'Clocks have been brought under definite control. A wide choice of color schemes and combinations is thus afforded for border and bedding purposes.

Natives of Peru, these exotic plants thrive under adverse conditions of soil and climate, producing from June to September, an abundance of flowers of a sweet and delightful fragrance peculiarly their own. Highly satisfactory.

Special Offer: Packets 25 cents each postpaid; five packets $1.00. Please state color or colors desired.

1923 Catalog FREE

Beckert's 1923 Illustrated catalogue, flower and vegetable seeds is practical and valuable, both in instruction on successful flower and vegetable cultures written especially for the ambitious home gardener. Present request.

BECKERT'S SEED STORE
Established 1878
North Side
Pittsburgh, Pa.
Almost Instant Beauty

An example of our ability to add immediate beauty to your home and grounds is shown in this picture, taken one week after planting.

Strong well formed evergreens such as Pyramidal Arbor Vitae, American and Japanese Hemlock, Japanese Yew, Mugho Pines, Rhododendrons, Mountain Laurel, Azalea Amsonia, Leucodora, Andromeda and Eryonymus Vegeta lend beauty and dignity.

Such deciduous shrubs as Forsythia, Bush Honeysuckle, Spiraea, Deutzia and Privet were artifically used.

A visit to our nurseries will show you the beauty and strength of our carefully selected stock. The prices are exceptionally reasonable. Quality is the highest. Write today for our 32-page illustrated catalogue. If you live east of the Mississippi, it is free; if west, please enclose 25c in stamps.

The Elm City Nursery Co.
Woodmont Nurseries, Inc.
Box 194, New Haven, Conn.

"The Pioneer Landscape Nurseries of New England."

Keep Song Birds in Your Garden

The cheery song of robin, wren, bluebird, thrush and many others will make your garden more enjoyable. These little feathered folk will create havoc in the ranks of mosquitoes and other insect pests. Their bathing and drinking provide many hours of absorbing interest. Attract them and keep them in your garden with one of our Art Stone Bird Baths.

The soft gray tone of the bird bath illustrated adds a delightful spot of contrast on your lawn and soon attracts liberal patronage from the desirable song birds. Stands 32 inches high and bowl is 27 inches in diameter. Lasts for generations. Prices and sizes $4.50 to $25.00.

ROBERT EVANS HUGHES
ROSE SPECIALIST
Williamsville, N. Y. Near Buffalo

IN SELECTING ROSES

the most important requisites are Hardiness of Wood in first importance as this prevents your roses from drying back when dormant. Our dormant field-grown roses are hardy and absolutely will not die back from this cause.

Budded Upon the Proper Stock. Our Los Angeles yellow roses and the modern growers amongst the Hybrid Teas are budded upon Rosemalte stocks that will sucker nor shrivel, (together a great acquisition) American Roses grown on this stock received the Premier Award the Blue Ribbon at the Rose World at the International Rose Show held in Paris in 1914 and 1921. We submit therefore that the superiority of this stock as a budding medium must be conceded.

As to Size. Our Hybrid Tea are over 24 Inches in height with heavy rachis that will give immediate results. In Variety. We carry only such varieties that have shown striking merit and that are in demand of most nurserymen.

If you wish to order a catalogue which is sent free upon request.

J. F. Jones NUT TREE SPECIALIST
Box H. Lancaster, Pa.

Callahan Sectional Greenhouses

Are designed especially for the larger gardens of America, are handsome and finished to suit every taste and country style.

They will bring good cheer and happiness to your lawn the rest of your days. Every detail has been considered with a view to a Callahan Greenhouse. It isn't an expensive acquisition that of itself defines the value of your property and brings in maximum satisfaction.

New Low Prices

Built entirely at our new factory in Connecticut, these sectional units are so far below our usual factory sale prices that it is only right and exceptionally low. Koontz's, too, are almost eliminated because our new sectional units are fully guaranteed and easily built themselves. Our sectional units are the most carefully constructed. While the best value of Koontz's was lost in their construction, made it in a number of sizes and styles— with a wide range of prices.

Let us send you the price list for a complete Callahan.

T. J. CALLAHAN CO.
101 S. Lookout St. Dayton, Ohio

This Jessie offers the finest sizes and styles of Koontz's. With full instruction and easy construction, at prices that will be the envy of our customers.

THEODORE PAYNE, California Wild Flower Specialist.
345 South Main Street, Los Angeles, California

ROSE SPECIALIST

DANIELLYN, Wyoming

DARK (Blue, purple and lavender shades)

Gold (Cream shades)

No. 2 (For shady places)

No. 4 (For sunny places)

No. 5 (For shaded places)

No. 1 (For sunny places)

We Sell

In selecting roses, the most important requisites are hardiness of wood, budded upon the proper stock, and the right size and variety.

ROBERT EVANS HUGHES
ROSE SPECIALIST
Williamsville, N. Y. Near Buffalo

JONES' GRAFTED NUT TREES BEAR EARLY

You can now grow your own supply of nuts and of the very finest quality, and best of all, you can have producing trees very quickly. The tree shown on the left bore several clusters of fine nuts two years after planting.

Pecans, English Walnuts and Shagbarks are rapid growers and very beautiful trees and make ideal specimens for the lawn or home grounds. You can not plant trees that will be more interesting or more profitable.

Write today for catalogue and price list.

J. F. Jones NUT TREE SPECIALIST
Box H. Lancaster, Pa.

CALIFORNIA WILD FLOWERS

GORGEOUS flowers that will bloom for you the year round. Vast spaces, waste places, hillsides and gardens can easily be transformed into beautiful spots that will be an amazing joy all summer long.

Plant a California Wild Flower Garden!

You should know sweet "Baby Blue Eyes.

The royal blue color of the Larkspur.

Dainty Tiny Trumpet Flowers.

Dainty, tiny Trumpet Flowers.

The Monkey Flower.

Brilliant Star flowers, and a California World's Fair favorite.

Paint Brush, and "Miss California" of the famous County Fair's annual fair.

Roses that will make your garden radiant.

Flowers that will make your garden radiant.

1101 S. Ludlow St. Dayton, Ohio

THE T. J. CALLAHAN CO.

Every day we catalogue, day out the East LONG ISLAND GROWN means World-Known

THERE TRY THESE IN YOUR GARDEN

Entire collection Post Paid $10.00

DAUGMAR (Howell) Decorative
Chocolate Yellow...

DAKOTA (Maren) Decor. Flame...

ENSYLINDIE (Hoggs) Welch Orange

For the most artistic of them all...

Any of the above Post Paid at the price.

The Dahlia Farm

East Moriches, Long Island, N. Y.
Surpassing in size and beauty the common form, each "pussy" is a wondrous creation of silver filaments which catch the light and shine like pearls, retaining their satiny lustre throughout the winter—a most artistic decoration.

Imagine a clump of this glorified form of the favorite old pussy willow in your garden—absolutely hardy—grows anywhere. Make sure of having this unusual and interesting winter decoration every year.

**OUR LANDSCAPE ORGANIZATION**

offers a unique and practical service on all matters pertaining to grounds and gardens of any size. *Send for Our Brochure "HOME"*

**Pfund Nursery Company**

"Elmhurst Nurseries"

711 South Boulevard

Oak Park, Ill.

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**A Little Book About Roses**

*for 1923 IS NOW READY*

A gem of the printer’s art, it is, in addition to its unequalled richness and beauty, the most helpful rose catalog published.

It is bound this year in a cover by Stern, showing, at her best, our famous flower girl standing in the open fields, rich in June’s fresh greens, with her arms full of roses—all in natural colors.

This book and the business which it so well represents are the result of many years of loving and enthusiastic devotion to the Queen of Flowers. It is mailed free to customers and intending purchasers—to anyone, without obligation to purchase (but to insure appreciation), for the nominal sum of 10c in coin or stamps.

**GEORGE H. PETERSON**

Roses and Peony Specialist

Box 30, Fair Lawn, N. J.

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**A Wagner Garden for $10.00**

A remarkable offer of 65 thrifty plants, consisting of 12 choice everblooming Roses (including one climbing variety), 25 Hardy Perennials, 12 Choice Shrubs, 12 Select Gladiolas, 2 Splendid Evergreens—all typical Wagner plants. With each order we include diagrams for planting. All plants carefully labelled.

The Wagner Catalog No. 340 gives complete list of Roses, Hardy Flowers, Bulbs, Shrubs, Trees, and Evergreens. Explain the mail service Landscape Department. Write today.

**Wagner Park Nursery**

Box 30, Sidney, Ohio

Nurserymen and Landscape Gardeners
To Garden Lovers:

We offer, at reasonable prices:

- **300 Varieties Gladioli, Forty-five acres,**
- **350 Varieties Perennial Plants, field grown, Twenty-five acres,**
- **300 Varieties Perennial Seeds—The only concern in America planting perennial plants especially for seeds.**

Hundreds of Annuals in Staples and reasonably priced Novelties, including the world's finest Astras, Snapdragons, Stocks, and other important items.

A good selection of Ornaments and hardly climbers.

*Write for free catalogue to Ralph E. Huntington*

Painesville, Ohio

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**THE LARGEST PEA he EARLiest Sweet Corn**

**CARTERS "8 WEEKS" PEA.** This is the EARLIEST DWARF PEA in the world, proved not only from our own trials, but from reports received from many experts and customers. We have been advised to call it Early Eight Weeks. It often produces edible peas within this period. Vines fifteen inches high, pods good flavor, filled with semi-wrinkled, fine flavored peas.

**CARTERS "QUITE CONTENT" PEA.** The largest pea in existence and the best for main crop. Height five to six feet, very prolific, producing pods from six to nine inches long, filled with large delicious marrowfat peas. You may "Know Beans" but you don't know Peas unless you have eaten QUITE CONTENT. Pt. 60c, Qt. 90c, Pk. $6.50.

**CARTERS "EARLY MARVEL" SWEET CORN.** Not only is this the earliest corn procurable, maturing corns early with 55 to 80 days of corn weather, but it has good sized ears with deep, white kernels, sweet, tender and of fine flavor. It also stays tender and fit to eat longer than any other corn. Pt. 50c, Qt. 90c, Pk. $6.50.

Our large illustrated catalog describing the complete list of Alliums and Vegetables we offer, sent free on request.

**DAHLIADEL NURSERY & VINELAND.**

Veineland, N. J.

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**THE HEALTH of dahlias tubers is the first assurance of a WEALTH of blooms, and the HAPPINESS of successfully growing fine dahlias.**

Buy from us the greatest variety. Carefully selected for beauty and vitality. Dahlias of Quality and Distinction assure you of all this at a reasonable price, and are fully guaranteed. Send for 1923 catalogue containing the newest and best cut flower and exhibition varieties. **DAHLIADEL NURSERY & VINELAND.**

W. Mayrott

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**The Bowl Pendant In Windsor Ware**

an original and cheerful decorative feature and note of utility for any room of your home. Enamelled in black and colors and decorated with a distinctive hand painted old time floral band encircling the bowl. Trimmed with silk cords and tassels—black with yellow, gray with blue, old rose with gray—and hung from a decorated iron bracket. The Bowl measured 6 1/2 inches in diameter, Post Paid $2.25. Decorated to order at small additional charge.

One of several unique productions in Windsor Ware, made by a new process of turning in composition. Shipped direct from factory at low FACTORY PRICE—$2.50. Money back guarantee. Delivered prepaid. Order from this advertisement, or write to Gardeners. Shipped direct from factory at low FACTORY PRICE—$2.50. Money back guarantee. Delivered prepaid. Order from this advertisement, or write to Garden Lovers.

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**Sprinkles from 18 to 80 feet!**

The Double Rotary Sprinkler is now the most popular portable watering device on the market. Unsurpassed for use in parks, golf courses, estates, etc.

**DOUBLET ROTARY**

Shipped direct from factory at low FACTORY PRICE—$2.50. Money back guarantee. Delivered prepaid. Order from this advertisement, or write to Garden Lovers.
March, 1923

Hundred songs
And poems and stories
Have been written about
The little home you left
Behind you
And all of them picture
That home
With a trim little lawn
Green and beautiful
And free from weeds
You may not realize it
But that trim little lawn
Is one of the reasons
Why that little home
Means what it does

O. M. SCOTT & SONS CO.
Lawn and Golf Course Seed
Marysville, Ohio

ROOKWOOD
POTTERY AND TILES

Garden piece suitable for bird bath or fountain figure, made in unglazed buff finish, with buff or bright blue lining in the bowl.

Scott's Lawn Seed, carefully selected and thoroughly cleaned, will produce a lawn any home can be proud of.

Why that trim little lawn
Is one of the reasons
Why that little home
Means what it does

O. M. SCOTT & SONS CO.
Lawn and Golf Course Seed
Marysville, Ohio

BESSIE BOSTON DAHLIAS
Prize Winning California Creations

California Dahlias are admittedly the best in the world today. In every Dahlia show from coast to coast you will find the Bessie Boston Dahlias as leading winners.

24 New Varieties for 1923
Including 4 Gold Decoratives

Bessie Boston Dahlia Farm, Dept. 5
San Mateo, California

BARTELDES SEED CO.
656 Barteldes Bldg.
Lawrence, Kans. Denver, Colo.

Save the Trees—Pruning Made Easy

There is no task in tree trimming when you use a Bartlett Jointed Compound Lever Pruner—because it is jointed. The Bartlett comes in four foot sections that can be easily and quickly locked together to give you a pruner of the desired length. With a Bartlett Jointed Trimmer you can reach high limbs without using a ladder and you can always snap the lower branches from the proper angle.

The cutting end has a COMPOUND LEVER that will cut with ease branches up to 1 1/2 inches in diameter. The blades are made of crucible tool steel and only the best materials are used throughout.

Expert horticulturists everywhere endorse the Bartlett Tree Trimmer.

We also furnish this tree trimmer with one piece pole if desired,

Pruning Made Easy

BARTLETT MFG. CO.
656 Barteldes Bldg.
Lawrence, Kans. Denver, Colo.

25 bulbs — $0.75 Postpaid

No. 3 PRIMULINUS HYBRID SEED—red, yellow, orange, white, light green and mauve. Excellent for long-lasting winter bouquets. This is only one of the many wonderful flowers described and illustrated in Barteldes' 56th Annual Catalog. This interesting book and the many wonderful flowers described and illustrated in it, will prove immeasurably to those in business.

B. HAMMOND TRACY Inc.,
656 Barteldes Bldg.
Lawrence, Kans. Denver, Colo.

BARTELDES SEED CO.
656 Barteldes Bldg.
Lawrence, Kans. Denver, Colo.

1867
1923

Barteldes
SEEDS

ROOKWOOD
POTTERY AND TILES

Garden piece suitable for bird bath or fountain figure, made in unglazed buff finish, with buff or bright blue lining in the bowl.

B. HAMMOND TRACY Inc.,
BOX 22
WENHAM, MASS.
THE MARK OF A GOOD MOWER
Pat. 1918

The new
STAYTITE handle identifies Pennsylvania Quality Mowers. Ask your Hardware Dealer or Seedsman.

Pennsylvania Quality
LAWN MOWERS

THE MARK OF A GOOD MOWER
Pat. 1918

WIZARD BRAND MARK
PULVERIZED
Sheep Manure

Pep! That's what genuine Sheep Manure puts into your lawns and gardens. It supplies the HUMUS and plant food that makes soil rich and fertile, producing wonderful colors and luxuriant foliage. A convenient concentrated WAGON LOAD OF MANURE IN A WIZARD BAG. Sterilized—weed seed killed—unequaled for grass, flowers, shrubbery, berries, fruit and all vegetables.

Insist on WIZARD to be sure of genuine Sheep Manure. Ask your seedsman or write today for booklet and prices.

Don't plant without Wizard Brand
THE PULVERIZED MANURE CO.
25 UNION STOCK YARDS
CHICAGO, ILL.

WORLD'S BEST DAHLIAS

100 acres of them. We are the largest Dahlia growers in the World. An enviable position made possible only by the appreciation of our superior stock by satisfied customers.

Our Catalogue tells the plain truth about the very best new creations and standard varieties. Beautifully illustrated. Eight pages in natural colors.

Write to-day for free copy.
PEACOCK DAHLIA FARMS, INC.
P. O. Berlin
New Jersey

A Beautiful Yard this Year—never so beautiful as when furnished with Garden Craft benches, chairs, lattices, pergolas, bird houses or fountains. Splendidly constructed from the best materials—yet reasonably priced on account of large production. Write for catalog and name of dealer near you.

Garden Craft
9 Lake Street
CRYSTAL LAKE ILLINOIS

Rain When You Want It

Buy Your Rain When You Buy Your Seeds

When you order the seeds, fertilizer, etc., for your garden, don't forget to do the one thing that will insure its success and protect your investment of time and money—order all the rain you need delivered when you need it.

The Skinner system is adapted to large or small gardens, perfectly simple to install, keeps the ground moist and soft, and produces earlier, better and bigger crops.

It costs you nothing to learn all about the Skinner System. Tell us how long and wide your garden is, and we will send you descriptive catalog and estimate.

THE SKINNER IRRIGATION CO.
231 Water St.
Troy, Ohio

COLORFUL ANNUALS

California Grown Seeds
SPECIAL COLLECTION
of one packet each of the following choice varieties of annual flower seeds in the best colors for bedding and cutting purposes for $1.00 postpaid.

Godetia Double Pink
Clarkia Salmon Queen
Cornflower Double Blue
Larkspur Newport Pink
Scabiosa Double Lavender
Cosmos Mammoth Early Pink
Stock Branching Light Blue
Snapdragon Giant Silver Pink
Larkspur Light Blue
Aster Giant Branching Pink

Our 1923 general catalogue sent on application.

HALLAWELL SEED CO.
Dept. Five, 256-8 Market St., San Francisco, Cal.

Iris, Peonies and Gladioli

Your Garden's Beauties from April to October

Importers and growers of the finest varieties. Our stock, grown in rich black sandy loam under Minnesota's rigorous climatic conditions is suitable for planting in all parts of the United States and Canada. Our large healthy roots and bulbs assure you quicker results and larger blooms. Order now.

Send today for Free Illustrated 1923 catalog

Rainbow Gardens
Office 702 Commerce Bldg.
Saint Paul, Minn.
HORSFORD’S HARDY LILIES
The Regal Lily—For Everyman’s Garden

AT LAST we are ready! For several years we have been building up a stock of lovely Lilium Myriophyllum and now have thousands of bulbs of blooming sizes. Every home gardener may now enjoy the companionship of this truly regal, fragrant, floral beauty. Lilium regale (myriophyllum) is hardy, grows on literally any well-drained soil and bears charming white flowers, shaded pink outside, with a primrose yellow throat. Blooms in July. Six for $3.00, $6.00 for a dozen.

Have You My Catalogue?

You will find it of interest. It lists Lilies, Ferns, Wild Orchids, Hardy Perennials, Trees, Shrubs and many other specialties. My stock is Hardy Vermont-grown and my descriptions are written clearly. If you do not have a copy, please write for it, mentioning House & Garden.

FREDK H. HORSFORD
Cold Weather Plants and Lily Bulbs
Charlotte Vermont

SUCCESS STEEL PLANT BOX
Self-Watering — Insures Success

For Windows, Porches, Ledges, Sun Parlors, etc. You can have beautiful flowering plants all summer and indoors all winter by using the Success Plant Box. New scientific principle. Keeps plants flourishing. Strong, rust-proof, durable, lasts for years. It does not leak or drip. Requires little attention; light, easily handled. Water reservoir keeps soil right and many other specialties. My stock is Hardy Vermont-grown and my descriptions are written clearly. If you do not have a copy, please write for it, mentioning House & Garden.

FREDK H. HORSFORD
Cold Weather Plants and Lily Bulbs
Charlotte Vermont

Weeds are hungry

THEY work hard and fast. It’s an endless, thankless battle to keep them down with the old hand hoe—but this Planet Jr. No. 12 double wheel hoe gives you a safe, sure upper hand. Weeds simply haven’t a chance to show their heads. Until your plants are 20 inches high you can hoe both sides of a row at once, edging in and snaking out lurking weeds with precision. So light and thorough is this handy implement, you can cultivate the whole garden in a single evening, make the most of every dry day, and keep the garden trim and weed free with a minimum of handwork.

The old gardener knows that you cannot cultivate too often. Planet Jr. wheel hoe has made thorough cultivation a source of pride and pleasure to careful gardeners everywhere. They make reports of the amateur and last for years. Send for catalog.

S. L. Allen & Co., Inc.
Dept. 34
5th & Glenwood Ave., Philadelphia

“Little Wonder” Hedge Trimmer

Trade Mark Reg. U. S. Pat. Of. with Lawn-Trimming Attachment

Thousands of estates are today using this wonderful device that revolutionizes hedge trimming. Does away with the old-fashioned shovels. Ours 6 to 18 inches across. Bulbs; sold by hand, and cuts more evenly. Times us fast as by hand, and cuts more evenly. Adjustments and attachments to suit every shape. Works so easily that a woman can operate it. Also equipped with hand frame that quickly converts it into a splendid lawn mower. Works so easily that a woman can operate it. Also equipped with frame that quickly converts it into a splendid lawn mower.

Success Manufacturing Co.
18 Sargent St.
Gloucester, Mass.
Manufacturers of Success All Steel Refrigerators.

Nature’s Own Plant Food
Great for Lawns, Grass Plots, etc. Especially good for gardens, etc., where quick and certain results are necessary. Used extensively for small fruits, shrubbery, etc. Sheep’s Head Brand is rich in nitrogen, phosphoric acid and potash, also adds humus. Guaranteed absolutely clean—nothing but sheep manure—free from weed seeds and certain results are necessary. Used extensively for small fruits, shrubbery, etc. Sheep’s Head Brand is rich in nitrogen, phosphoric acid and potash, also adds humus. Guaranteed absolutely clean—nothing but sheep manure—free from weed seeds. Dried and pulped for easy application. Circular and prices on request.

Natural Guano Company, 804 River Street
Aurora, Ill.

PULVERIZED SHEEP MANURE
Best for Lawns and Gardens

Nature’s Own Plant Food
Great for Lawns, Grass Plots, etc. Especially good for gardens, etc., where quick and certain results are necessary. Used extensively for small fruits, shrubbery, etc. Sheep’s Head Brand is rich in nitrogen, phosphoric acid and potash, also adds humus. Guaranteed absolutely clean—nothing but sheep manure—free from weed seeds which are killed by heat. Dried and pulped for easy application.

Natural Guano Company, 804 River Street
Aurora, Ill.

“LITTLE WONDER” HEDGE TRIMMER

Trade Mark Reg. U. S. Pat. Of. with Lawn-Trimming Attachment

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Success Manufacturing Co.
18 Sargent St.
Gloucester, Mass.
Manufacturers of Success All Steel Refrigerators.

A GARDEN OF FRAGRANT NOVELTIES
for 1923

DEMORPHOTELCA “EKLONGIS”. All New things are OLD things, and here we have again a plant which once graced the Temple Gardens of ancient Egypt. Thirty centuries ago the Gardens of Semiramis were sown with these and now again they seem destined to play a large part in Gardens and floral decoration. From the deep green outdrake leaves spring long stiff stems bearing large star-shaped dazzling white flowers, with a deep blue disc in sizes 2½-3½ inches across.

A TRIO OF LOVELY LUPINS

DOWNER’S MARVELLOUS HYBRIDS. This trio of these large flowers is only bringing premium quality bold mottled and elegant imagine from the subtle tint of pink, rose, blue, or blue in the rich shades of lavender and purple.

REGAL LUPIN “FIREFLY”. The newest creation in field and pot plants. Bright green foliage and flowers in hues ranging of very rose.

REGAL LUPIN “LAVENDER QUEEN”. Closest approach to the pure lavender. A TRIO OF CHARMING POPPIES

Plant enthusiasts never tire of these dainty blooms. Makes the most of every dry day, and keep the garden trim and weed free with a minimum of handwork.

The old gardener knows that you cannot cultivate too often. Planet Jr. wheel hoe has made thorough cultivation a source of pride and pleasure to careful gardeners everywhere. They make reports of the amateur and last for years. Send for catalog.

S. L. Allen & Co., Inc.
Dept. 34
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PULVERIZED SHEEP MANURE
Best for Lawns and Gardens

Nature’s Own Plant Food
Great for Lawns, Grass Plots, etc. Especially good for gardens, etc., where quick and certain results are necessary. Used extensively for small fruits, shrubbery, etc. Sheep’s Head Brand is rich in nitrogen, phosphoric acid and potash, also adds humus. Guaranteed absolutely clean—nothing but sheep manure—free from weed seeds. Dried and pulped for easy application. Circular and prices on request.

Natural Guano Company, 804 River Street
Aurora, Ill.

Garden Houses
Little Fences
Garden Furniture
Plant-Tubs & Ferneries
Sis-Plants & Gazing Bowls
Hartmann Sanders Co.
Main Office and Factory
2155-87 Elston Ave., Chicago, III.
Eastern Office and Show Room
6 East 37th St., New York City

PERGOLAS and ARBORS

This advertisement shows only a few of suggestive features from our catalog containing several hundred, decorations. When writing for copy, enclose 30c and ask for catalogue "P-41.

DURHAM CHILDREN’S CLOTHING

A complete line of fine children’s wear, all made of the finest materials and finished by the best workmen. Satisfaction guaranteed. Write for copy, enclosing 30c and asking for catalogue "P-41.

H. H. BERGER & CO.
Estab. 46 Yrs. 70 Warren St., New York

“LITTLE WONDER” HEDGE TRIMMER

Trade Mark Reg. U. S. Pat. Of. with Lawn-Trimming Attachment

Thousands of estates are today using this wonderful device that revolutionizes hedge trimming. Does away with the old-fashioned shovels. Ours 6 to 18 inches across. Bulbs; sold by hand, and cuts more evenly. Times us fast as by hand, and cuts more evenly. Adjustments and attachments to suit every shape. Works so easily that a woman can operate it. Also equipped with frame that quickly converts it into a splendid lawn mower. Works so easily that a woman can operate it. Also equipped with frame that quickly converts it into a splendid lawn mower.

Success Manufacturing Co.
18 Sargent St.
Gloucester, Mass.
Manufacturers of Success All Steel Refrigerators.

PULVERIZED SHEEP MANURE
Best for Lawns and Gardens

Nature’s Own Plant Food
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Sis-Plants & Gazing Bowls
Hartmann Sanders Co.
Main Office and Factory
2155-87 Elston Ave., Chicago, III.
Eastern Office and Show Room
6 East 37th St., New York City
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**Here's Your Trellis—Ready-Built**

The Sturdy, Convenient and Practical

**CRANKERJAC**

**ADJUSTABLE TRELlIS**

Don't build a trellis—we've built one for you!

The CRANKERJAC MANIFOLD ADJUSTABLE TRELlIS is steadily built of basswood and finished in green or white creosote stain to prevent decay. Extends to 18 ft. long by 2 ft. high—or 6 ft. long by 4 ft. high.

Readily Adaptable

Many pleasing effects may be produced with this trellis: as a background for flowers, as an archway, as support for vines and for many other purposes. Adds grace and beauty to the home surroundings.

Our Prices Make Building Unnecessary

CRANKERJAC in its convenient, ready-to-use form, is sold so reasonably that you need not think of having a trellis built. Prices, including two 6-ft. posts on which trellis is fastened:

No. 1. Gr. Green finish $1.00
No. 1. Wh. White finish .95

At your dealer or direct from us, transportation paid.

EVAN J. REED MFG. CO.
Danville, Illinois

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**SWEET PEAS**

"The World's Best"

My catalogue of Sweet Peas is the most comprehensive of its kind, describing 150 distinct and meritorious varieties.

A collection of fifteen of the finest Giant Spencers, which produce flowers of largest size, exquisite beauty and fragrance, with the widest range of color. Prepaid $3.00.

"AMAZON"
The World's Best Aster

Beautiful flesh pink in color, comparing in form and size to a medium sized Japanese Chrysanthemum. A giantess among asters. Packets 50c and $1.00.

CHARLES ELLIOTT
Specialist in Sweet Peas of Superior Qualities
Park Ridge Illinois

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**HOSEA WATERER SEED AND BULB IMPORTER**

SEEDS

Flower
Grass
Vegetable

You may depend on the High Quality of our Flower, Vegetable and Grass Seeds. They come only from the most reliable sources in Europe and America.

Send for Catalogue

Eighty pages of valuable information about Seeds, Bulbs, Plants, Tools, Fertilizers and Insecticides—with Planting Table and Planting Calendar.

**SPECIAL**

A collection of 10 Best Varieties Sweet Peas, Spencer Type, Orchid Flowering. Sent on receipt of 75c.

HOSEA WATERER

628 Chestnut Street, Philadelphia, Pa. "Everything for Garden and Greenhouse"

---

**Improve and Beautify Your Lawn**

by using a "Clean Edge" Trimmer on the borders and edges

A TIME and LABOR SAVER—WORKS LIKE A SHEAR

Trims around trees, shrubbery, walks, and edges. No cutting of turf or preparation of any kind required. A necessity on even the smallest lawns.

Price $8.50

($9.50 West of the Mississippi)

The Heimann Trimmer Co.
Urbana, Ohio

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**HOUSE & GARDEN'S BOOK OF GARDENS**

Contains 400 illustrations of special flower types, plans and suggestions for landscape work, a complete gardener's calendar of the year's activities, planting and spraying tables, and a portfolio of beautiful gardens in various sections of the United States. 137 pages.

$5 Post paid

from House & Garden, 19 W. 44th St., New York
CAN WE HELP?

For the benefit of its readers, House & Garden maintains a Garden Information Service. No charge is made for its advice.

We can tell you where to buy your plants and garden materials—what you want is on our advertising pages. We can make suggestions for laying out your grounds—and tell you where to get definite plans. We can offer advice on the care of lawns, beds and borders—and suggest where to purchase what is needed for their protection.

How You Can Help Us to Help You

You can tell us just what is the present condition of that part of your garden on which you seek advice.

If you want suggestions for laying out your grounds, you can send photographs or scaled plans.

Generally, you can give us the full information we need to send you intelligent advice.

Now we understand each other. And—what can we do for you?

HOUSE & GARDEN'S

Garden Information Service

19 W. 44th St., New York

The Tang of Salt Air
Years of Ceaseless Care

EVERGREENS love the tang of salt air, as it whistles through our Nurseries, fresh from the broad Atlantic. They require too in the deep sea flame and salt spray, years of watchful care bringing Harrisons' Evergreens to near perfection. Every specimen is dug by hand so as to preserve the natural earth about the roots, the whole being securely sewed in burlap.

Harrisons' Evergreens will fulfill your fondest expectations. Every specimen is guaranteed to be symmetrical and well-shaped. Your choice from more than thirty varieties. Sizes, up to 12 ft.

Two Helpful Booklets

Every House and Garden reader needs our "Home Beautifying Suggestions" and "Painters' Guide." Together, they cover the whole subject of home and orchard planting, give you choice for laying your plans. Get our low prices.

G&R Hardy Roses

On their own roots. Sure to bloom. True to name. RAINBOW COLLECTION
1. Hardy Roses. Different colors. Price per Bush — .50 each. Price per Bag of 10 bush — $5.00
2. Early Luther Rose—Rose Pink. Price per Bush — .50 each. Price per Bag of 10 bush — $3.00
4. Florence Parviflora—Show White, tinted Lemon. Price per Bush — .50 each. Price per Bag of 10 bush — $4.50
5. Mailed postpaid and guaranteed to live. These 5 Bushes will grow in any soil. Their beauty is not surpassed. Every specimen is dug by hand and well rooted. Add .50 for postage. Each Bush.$1.00

SPECIAL OFFERS
6. Hardy Chrysanthemums—enlist ace all colors...__$1.00
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