Home—the soothing word that calms the mind under all the anxieties, mortifications, and disappointments we meet, day by day, day after day, in this busy world.

Home—the restful, quiet tone of it. It presents ideas of ease and repose to the oppressed mind and tired body. The idea of home is perhaps the only one which preserves an equal influence over us through all the different periods of life.

Home—Scene of tenderly cherished affection, of exquisite happiness, of all best feelings—towards Home does the heart ever yearn in constant and grateful affection.

For the economical construction of your home, choose BISHOPRIC. For lowest maintenance cost, choose BISHOPRIC. For strength and beauty, choose BISHOPRIC. For sheathing and insulation; for plaster base inside and for stucco outside, choose BISHOPRIC.

For a building material water- fire- and vermin-proof; for a building material that will not expand, contract, disintegrate, choose BISHOPRIC.

BISHOPRIC is a combination of building units patented, designed for superiority, conforming to the highest standards of good construction. BISHOPRIC is time-tried and satisfaction-tested.

"FOR ALL TIME AND CLIME" is the title of our descriptive Booklet. It tells what BISHOPRIC is, how it is made, why it is supreme in its field. Sixty-one illustrations that really illustrate. Write for it.

THE BISHOPRIC MANUFACTURING COMPANY

638 Estee Avenue, CINCINNATI, OHIO

New York City Office: 2848 GRAND CENTRAL TERMINAL

Factories: Cincinnati, Ohio, and Ottawa, Canada
One million new users will say this year: "Royal Cords!"

If this happens to be the year you come over to Royal Cords

There's not much difference between the way a man buys his first U.S. Royal Cord and the way he buys any other tire.

But there comes a time a little later when he thinks back to see how he came to ask for a Royal Cord.

And why he didn't do it sooner.

* * *

If 1923 happens to be the year you come over to Royal Cords you are likely to notice this—

You didn't buy Royal Cords on the strength of any advertised extravagant mileages.

The makers of Royal Cords believe in letting each tire user make his own comparisons on his own car. That provides every man with the facts in the form most useful to him.

You didn't buy Royal Cords on an impulse.

The conviction that the Royal Cord is a good tire had been growing with you for some time.

You didn't buy Royal Cords merely because they are the product of the largest rubber organization in the world.

More than anything else, it has been the simple, understandable policies of the Royal Cord people that have made the Royal Cord seem a tire of personal responsibility.

* * *

It has been the growing understanding among men that Royal Cord value conscientiously out-tops all other tire values today.

United States Tires are Good Tires

© 1923, United States Rubber Company, New York
PRICES of motor cars are based on what it costs
the manufacturer to produce and market them—
not upon intrinsic values.

The “devouring monster” in production costs is
overhead expense.

Overhead expense varies with the number of cars
produced and the ability and facilities of the manu-
facturer — or assembler.

Heavy overhead makes high selling prices inevi-
table regardless of the inherent value of the product.

Studebaker’s production is seven times as large as
that of any manufacturer building a car in the Big-
Six class. Consequently, Studebaker overhead is split
over seven times as many units as those manufacturers
who compete with the Big-Six.

The result is maximum dollar-for-dollar value of
which the Big-Six Touring Car offers striking proof.

It is distinctly a seven-passenger car—not a seven-
passenger body mounted on a five-passenger chassis.
It has a seven-passenger motor. The body will with-
stand seven-passenger usage. The chassis has seven-
passenger dimensions throughout. It was designed
and is built to deliver seven-passenger satisfaction.

Big-Six popularity is the result of Big-Six supe-
riority. Materials and workmanship are unexcelled
in any car at any price and unequaled in any other
car at the Big-Six price.

The broad principle upon which Studebaker busi-
ness has prospered for 71 years and upon which it
is now conducted insures satisfaction to everyone
who deals with the House of Studebaker.

<table>
<thead>
<tr>
<th>MODELS AND PRICES—f. o. b. factories</th>
</tr>
</thead>
<tbody>
<tr>
<td>\textbf{LIGHT-SIX}</td>
</tr>
<tr>
<td>\textbf{5-Pass.}, 117” W. B., 30 H. P.</td>
</tr>
<tr>
<td>Touring (5-Pass.)</td>
</tr>
<tr>
<td>$975</td>
</tr>
<tr>
<td>Roadster (2-Pass.)</td>
</tr>
<tr>
<td>975</td>
</tr>
<tr>
<td>Coupe-Roadster (2-Pass.)</td>
</tr>
<tr>
<td>1225</td>
</tr>
<tr>
<td>Sedan</td>
</tr>
<tr>
<td>1970</td>
</tr>
</tbody>
</table>

Prices Subject to Change Without Notice

STUDEBAKER

Detroit, Michigan
South Bend, Indiana

Walkerville, Canada
Address All Correspondence to South Bend
BRASS pipe does not rust. That is why Brass does not clog, deliver red water in diminishing flow, or leak itself into the discard.

No matter how high the quality of workmanship or how beautiful the fixtures, if Brass pipe is not used plumbing invariably falls a miserable victim to Rust. The least expensive part, the piping, wrecks the whole system.

Piping is only about 10 per cent of the cost of a plumbing installation. Yet it causes close to 100 per cent of all plumbing troubles—unless it is Brass.

For Brass pipe simply cannot rust.

The added cost of Brass is negligible—from $50 to $75 in a $15,000 house. You will save about ten times that much in the course of fifteen years or so—because Brass pipe is repair-proof. Whether repairing or building new, be sure to specify Brass pipe and Brass pipe fittings.

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

COPPER & BRASS RESEARCH ASSOCIATION
25 Broadway - New York
Economical and Enduring Construction

Stone construction does not by any means imply that a residence must be of massive proportions or somber in its appearance. The most delightfully graceful small residences may be constructed of Indiana Limestone, which is adaptable to every form of architecture.

Random Ashlar of Indiana Limestone affords builders many opportunities for interesting effects in homes of simple design and moderate cost. The stone is shipped from the quarries in random length strips, rough sawed on four sides, for use without further finish or hand labor other than the jointing off of the blocks to the desired lengths.

While a comparatively new development, this form of Indiana Limestone construction is rapidly gaining favor, for the reason that with no other material can the same permanently artistic effect be obtained at an equal moderate expenditure.

A folder descriptive of the house illustrated above, showing floor plans, or any information on Indiana Limestone sent free upon request. Address Indiana Limestone Quarrymen's Association, Box E-782, Bedford, Indiana

INDIANA LIMESTONE
The Nation's Building Stone
First Cost and Ultimate Value

In spite of the difficulty of felling trees under tropical skies, amid a close, humid jungle growth where roads are unknown and all transportation facilities crude—

In spite of the fact that the tree is a solitary aristocrat in its native home and that individual trees must be sought often a considerable distance apart—

In spite of the thousands of miles of forbidding ocean over which transportation is necessary before the logs are delivered to the mills—

GENUINE MAHOGANY is available to the home builder at a cost very little above that of other less beautiful, less durable cabinet woods.

In April and May we submitted facts to prove the above statement, in the form of actual comparisons between the contract price for interior trim in Genuine Mahogany and the alternate bids for other cabinet woods.

If the initial cost of Genuine Mahogany trim is low, no home builder needs be told the worth of the ultimate investment.

To the satisfaction of possession, the air of hospitality and good taste it imparts, should be added the practical thought of its economical value in a home.

Genuine Mahogany is free from shrinking, warping, checking and all the other ills to which wood is heir. It demands little attention throughout the years. It gives a tone of beauty and self-expression to a home—plus an economical, practical trim of permanence which adds to the resale or rental value.

We invite consultation on all Mahogany matters without charge and with full assurance that inquiries will not be used as the basis of sales solicitation.

after all—there’s nothing like

MAHOGANY

MAHOGANY ASSOCIATION, Inc.  1133 Broadway, New York City
A house at Rainham, Essex

Built of varied colored brick with stone quoins, sills, and base mouldings with a fine projecting wood porch, the details of which are very refined, it possesses a quiet air of distinction and comfort. The wrought iron gates are of the best work of the early XVIIIth century.

A good example of the English architecture of the later Renaissance.

It was the furnishing of homes throughout England, similar to the one illustrated above that inspired the great cabinet maker of St. Martin's Lane, Mr. Thomas Chippendale. He designed the original chair, now authentically reproduced by ourselves and shown in the accompanying illustration.
Main organ in basement chamber with tone outlet through grilles under main staircase. Echo organ in second floor space with tone outlet through grille above trophy case. Console in main drawing room, cleverly recessed in abandoned fireplace. Playable either manually upon its keyboards or by Recorded Rolls which reproduce, with photographic accuracy, the personal playing of the distinguished organists of Europe and America.

THE WELTE PHILHARMONIC RESIDENCE PIPE ORGAN
MAY BE HEARD INFORMALLY, AT ANY TIME, AT
THE WELTE-MIGNON STUDIOS, 665 FIFTH AVENUE, AT 53rd STREET, NEW YORK

ALSO OWNER OF THE WORLD-FAMOUS ORIGINAL WELTE-MIGNON
On a terrace high above the Rhine stands the ancient Cathedral of Basel. Consecrated in 1019, rebuilt in 1356 after the disastrous earthquake of that year, this famous Cathedral was for centuries the center of the religious life of the surrounding country.

Today it is the most interesting building in the city of Basel, its quaint stone carvings attracting the attention of artists and connoisseurs everywhere.

A few of the choicest carvings in this Cathedral have been adapted to silk and woven in France for the exclusive use of Schumacher in this country.

In translating this unique composition from stone to silk the French weavers have kept the atmosphere of the original with remarkable fidelity. It would be difficult to find a more perfect piece of fabric weaving or one executed with a greater understanding of the spirit of the design. In this particular piece the design is in gold against a black background, making a very effective combination.

Motifs for Schumacher fabrics are selected by designers familiar with all sources of design. Many of these fabrics are imported from foreign looms, others are woven by Schumacher in this country.

This wide variety permits a selection appropriate for whatever decorative scheme is in mind. Your own decorator or upholsterer will make arrangements for you to see the Schumacher fabrics, including the Gothic Damask illustrated here. He will also arrange the purchase for you.

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, Philadelphia.
The friendly road! Follow where it leads

Giving fresh meaning to that time-worn phrase, "pleasure car," the new Stephens turns every journey into a contented, care-free adventure.

Driving or riding, you yield at once to the charm of its efficiency. Its arrow flight up soaring hills. Its swift mastery of all road or traffic conditions. Its ease of handling. Its mettlesome leap to 60 miles per hour, when you need acceleration—or want exhilaration.

Pleasure in its beauty—in the sweep of long, low lines and graceful contours, in the harmony of details and appointments, in its luxurious comfort—are yours from the first moment.

Developing 59 horse power, its flexible Stephens-built motor gives you superb performance with unrivaled economy. The intake manifold is entirely inside the cylinder head. Heated by all six cylinder exhausts, it "cracks" every heavy atom of gasoline and plucks the last pennyweight of power and speed from it.

See the new Stephens. Compare its hand-wrought Stephens-built bodies, its sturdy chassis units, complete comfort equipment. Drive it. Test it. The wanted motor car, its sales are more than doubling last year's. Act now, or you may lose the chance to own a Stephens.

STEPSHENS MOTOR CAR COMPANY, Inc., MOLINE, ILLINOIS
FACTORY—FREEPORT, ILLINOIS

Send for our new handbook on the Stephens motor—the most efficient "Six" now built

Full-color catalogue of seven smart body types on request. Write Moline today
No consideration of any nature has been permitted to interfere with the perfection of De'Jon. Money and experience without stint have been expended in its creation. The soundest electrical and mechanical principles known today have been combined in its design. The finest materials to be had, and the most infinite care have been used in its making.

Thus De'Jon has been created as the Electrical System for those finer motor cars whose makers provide quality without compromise.

DEJON ELECTRIC CORPORATION
 Builders Ignition Technique
 Poughkeepsie, New York
The best of all floors for a Long Island country seat—looks like Marble, feels like Velvet, wears like Iron.

In Locust Valley Country Houses and in Park Avenue Apartments you find Stedman Naturized Flooring

YOU can have it in your own home, in any room or group of rooms that you desire.

Make your hall over, for instance, in either the tile or marble pattern, and gain an unimagined richness, dignity and quiet. Or start with your dining room and achieve a decorative effect you have never believed possible at any reasonable cost.

If you are building, suggest Stedman Naturized Flooring to your architect. He will be glad to specify it because leading architects throughout the country are using it in their own homes and offices. More than likely his own office is Stedmanized.

The product of the experience of twenty years, Stedman Naturized Flooring is rubber reinforced and held together with an infinite cobweb of minute gossamer cotton fibres vulcanized under terrific hydraulic pressure.

In marble, granite and tapestry effects—in tiles, square and rectangular, in long runners— browns, reds, grays, black—in all the formal splendor of a classic floor, or in an intimate blend of cozy warm mixtures in Nature's own colorings. Special patterns for sun parlors, kitchens and bath rooms.

Noiseless, resilient—it will not dent, crack, or wear out. Soft and firm to the foot, it prevents slipping. Sanitary, with an impervious surface. Won't stain, easily cleaned—it requires no particular care. It can be laid over a wooden floor or on concrete with equal success. Simple to install and the first cost—from 75¢ to $2.00 a square foot—is the only cost.

Write to us for samples and detailed information

STEDMAN PRODUCTS COMPANY
Manufacturers of Reinforced Rubber Flooring, Sanitary Base, Wainscoting, Walls, Rugs, Table Tops, Shower Bath Mats, and other reinforced rubber surfacings

SOUTH BRAINtree, MASSACHUSETTS
Direct Branches: New York, Chicago, Detroit
Agencies in all principal cities
If you want
good workmanship
—get Good Hardware

CARPENTERS do a better job with Corbin hardware. Give them poor butts and the doors will be hung any old way. Give them poor locks and the escutcheons will probably go on crooked. Give them inferior window fastenings and you'll soon be wondering why all the windows rattle.

The painter, too, respects good hardware. He'll try not to get any paint on those gleaming brass butts or on a beautiful escutcheon.

"A workman is known by his tools"—true! But his workmanship depends a great deal on what he is given to work with. If you want good workmanship, get good hardware.

P. & F. CORBIN
NEW BRITAIN, CONNECTICUT
The American Hardware Corporation, Successor
NEW YORK  CHICAGO  PHILADELPHIA
The old, all-shingled house that inspired "Home, Sweet Home"

One hundred years ago next month, at the Royal Theatre, in London, a new opera, "Clari, the Maid of Milan," written by John Howard Payne, an American actor-poet-librettist, was produced.

In the second act Miss M. Tree sang a song called "Home, Sweet Home." Its popularity swept London. It overshadowed the opera.

A century has passed. The singer is gone; the opera forgotten. But the song shines with the ambrosia of immortality. In every land it is known and loved. It expresses, satisfyingly, a primal sentiment of the human race.

Back of that song was a real home, an American home—the old, vine-clad, all-shingled house, pictured above, in the dreamy little Long Island town of East Hampton. Payne left it when he was 16 and never again knew a real home. When, an exile in Paris, he wrote "Home, Sweet Home," his inspiration was his poignant longing for this humble abode of his boyhood.

The song will live forever. How long the house will stand is a matter for speculation. It was built about 1660; yet its shingled sides and roof are staunch and tight. By its appearance it promises to live as long as the song of songs, a shrine for pilgrims, with the immortal words graven on the shining knocker above its mill-stone door-step: "Home, Sweet Home."

To those who know the charm, adaptability and endurance of well-made wooden shingles it is particularly fitting that the American home which inspired Payne's beloved song should be an all-shingle home.

From every point of view—beauty of appearance, harmony with setting, economy of first cost and upkeep, economy of paint or stain, ease of alteration or repair, insulation—Red Cedar Shingles on roof and sidewalls embody the very essence of home.

Under the trade-mark, "Rite-Grade Inspected", identified by the diamond-shaped device shown herewith, you are assured the best in Red Cedar Shingles, made by leading mills in the Pacific Northwest and guaranteed, under bond, as to quality and coverage.

Before you build, or re-build, do yourself the justice of getting full, reliable information about "Rite-Grade Inspected" Red Cedar Shingles—"a grade for every purpose." Ask your dealer. Write now, enclosing 5c. for handsome, illustrated, informative booklet.

Rite-Grade Shingle Association
470 Henry Building, Seattle, Wash.
A cool, crisp salad, delicious cold meat sandwiches, a sparkling beverage with clinking ice—the tempting appeal of a luncheon like that, and of every real summer-time dish, depends upon thorough refrigeration such as the McCray provides.

The McCray is your most important ally in solving the problem of warm weather menus. A constant current of cold, dry air sweeps through every compartment, imparting its freshness and preserving the original flavors of all perishable foods, free from contamination or odors. This current is the result of the McCray patented system of construction.

The McCray may be used with mechanical or ice refrigeration. In either case its efficiency and economy in operation are readily recognized and appreciated. Its staunchly built walls with their perfect insulation keep cold air in and warm air out. The skill and experience developed in a third of a century of fine refrigerator building are embodied in the McCray. Quality is built into every detail, assuring enduring service.

Residence refrigerators from $35 up. Outside icing feature, originated and developed by McCray, may be had on all residence models.

Clip and mail the coupon for further information concerning the refrigerator which will meet your needs exactly.

McCRAE REFRIGERATOR CO.
2313 Lake St. Kendallville, Ind.
Salesrooms in all principal cities. See telephone directory.
You'll Appreciate These Advantages, Too

They Never Warp nor Stick
With their bars of solid steel, Fenestra Basement Windows are, of course, unaffected by damp weather. They cannot warp nor stick. They always operate easily.

They Provide Better Ventilation—With Fenestra Windows you'll have far better ventilation in your basement. Because they're so convenient and trouble-free in their operation, you'll be much more inclined to open them for ventilation whenever necessary. And when open, your Fenestra Windows admit a greater volume of fresh air.

Attractive and Permanent—With their slender steel bars and broader panes of glass, Fenestra Basement Windows make the whole outside appearance of the house more attractive—permanently attractive for they cannot rot or decay. Coal or wood deliveries do not impair their efficient operation. Repair and replacement costs are eliminated.

Bright and Cheerful Like the Rooms Upstairs

A basement bright and cheerful as the rooms upstairs—why not? The day of the dark and shadowy old-fashioned cellar is past. Now, when you build your new home, you can have a Fenestra Daylighted Basement—the laundry, the work bench, the furnace room, the stairway—every nook and corner will be flooded with an abundance of daylight. Everything will be easily visible and conveniently usable all day long. For Fenestra Basement Windows with their narrower steel bars and larger panes actually admit 80% more light. You'll want them in your new home, of course.

Write today for helpful Fenestra literature, and let us send you the name of a lumber or building supply dealer near you who can quickly supply your builder with Fenestra Basement Windows.

DETOIT STEEL PRODUCTS COMPANY, 2513 E. Grand Boulevard, DETROIT
For Canada: Canadian Metal Window & Steel Products, Ltd., 150 River Street, Toronto

They Keep Intruders Out—You'll feel more secure with Fenestra Basement Windows in your home. Fenestra's solid steel bars and positive locking device put an effective barrier in the way of the house-breaker.

They're Easy to Screen—The reason is this: Fenestra Windows come to you with screw holes all punched—ready for the quick and easy attachment of screens. And because the screws are inserted from the inside, the screens cannot be readily removed from the outside—a feature that provides still more protection against intruders.

They Resist Fire—Built of fire-resistant materials throughout, Fenestra Basement Windows lessen the possibility of dangerous and destructive fires.

Surprisingly Low in Cost—You'll be surprised to learn that, with all these advantages, Fenestra Basement Windows are little if any higher in first cost than ordinary wood basement windows. And you will save money in the end, for their cost of installation is considerably less.

Fenestra
The name of the ORIGINAL steel WindoWall.
The symbol of superior QUALITY in material, patented design, workmanship and service.
HAPPY the child, when days are hot and sweltry, who can splash in the clear waters of Lake Bathtub, the summer resort of the home.

A boat to sail, a celluloid fish to angle for . . . pink legs thrashing upon the smooth white bottom, clean as a beach of dazzling sand—

And happy the mother who can turn the youngsters loose with never a care for the splattering flood—whose Kohler built-in bath, snug with the wall, snug with the floor, leaves not even a crack for water or dirt.

Kohler Ware brings to the bathroom—or to the longed-for extra bathroom for which a nook can always be found—that coveted air of modern charm and fitness. Call on the good plumbing dealer who sells it. Ask him questions. It will be surprising if your first discovery is not that the cost of fine Kohler fixtures is much less than you had imagined.

Please write us for our booklet of Kohler Ware for bathrooms, kitchens, and laundries.

Look for the name "KOHLER," unobtrusively fused into the enamel of every Kohler fixture. It is your guaranty of genuineness and of these distinctive Kohler qualities—(1) the beautiful snowy whiteness of the durable enamel (2) the uniformity of that whiteness in every fixture.
TWENTY-FOUR hours a day year-round production maintained by workmen trained in our own modern plant enables us, without curtailment of quality, to effect savings which constantly are passed on to Vacuum Cup Tire users.

PENNSYLVANIA RUBBER CO. OF AMERICA, INC.  
Jeannette, Pa.

They are NOT higher priced

VACUUM CUP TIRES
The New PHAETON REO $1645

Trim of line and fashioned for comfort, the new Phaeton Reo is all a car in the summertime should be.

The rugged Reo six cylinder 50 h. p. engine is eagerly responsive to driving conditions of city traffic, desert trails, paved ways or mountain grades. With its 4-bearing crankshaft (balanced dynamically and statically), intake valves in head, large ports, aluminum alloy pistons and ground cylinders, it truly typifies Reo reliability.

Cradled in an inner frame, and more nearly on a plane with the rear axle, the power units drive with remarkable smoothness. A 13-plate clutch, separately-mounted transmission with large-faced gears, and a sturdy, quietly operating rear axle are further examples of chassis dependability.

Standard equipment includes steel disc wheels, nickel plated bumpers, motometer, step and kick plates, vanity case, cigar lighter, electric clock, carpets in both compartments, tonneau extension light. Roomy cushions are upholstered in genuine hand buffed leather, gray dual-tone finish.

Send for Booklet "Reasons for Reo"

REO MOTOR CAR COMPANY
Lansing, Michigan

REO
The Gold Standard of Values
The exquisite design and workmanship of Crittall casements, windows and French doors have been acknowledged by generations of architects and users in America, in England, and in Europe. — Built by hand, in various designs, their beauty, grace, and enduring utility are enhanced by craftsmanship that has come down as a tradition with this name. — The Crittall installation shown above is in the home of John A. Hoogland, New York City—Charles A. Letchworth, Architect.
June, 1923

The actual thickness of a sheet of Sheetrock is 5/16-inch of pure gypsum plaster

The carpenter does it all—the framework, the trim, and the Sheetrock walls and ceilings

The best builders are now using Sheetrock throughout for the walls and ceilings of better homes

Write "Sheetrock" into your Plans

Part of the joy of building your house must always come with the planning.

In whatever planning you do, it is wise to decide on attractive, enduring construction. See that your walls and ceilings, for instance, are made of gypsum plaster, so they will be accurate, solid and lasting.

You can have all the advantages of gypsum plaster without going to the expense and the trouble of lathing, mixing the plaster, and plastering. You can save the time it takes to do these things and to wait for the building to dry.

UNITED STATES GYPSUM COMPANY, General Offices: 207 West Monroe Street, Chicago
World’s Largest Producers of Gypsum Products

Plan to use Sheetrock, the fireproof wallboard. Sheetrock is gypsum plaster cast in sheets. It makes standard walls and ceilings, rigid, thick and non-warping. It comes all ready for use. The carpenter nails it to the joists or studding; you decorate with wallpaper, paint or panels; you move right in.

The best builders today are using Sheetrock because it is economical, fireproof and permanent. Your dealer in lumber or builders’ supplies sells it. Write us for a free copy of our illustrated booklet, “Walls of Worth,” and a sample of Sheetrock.

UNITED STATES GYPSUM COMPANY, General Offices: 207 West Monroe Street, Chicago
World’s Largest Producers of Gypsum Products

Sheetrock is approved by The Underwriters’ Laboratories, Inc.

SHEETROCK

The FIREPROOF WALLBOARD

Andersen Frames Ready in 121 Sizes and Styles

It's a big advantage to get window frames whenever you want them.

Any Andersen dealer can deliver immediately 121 different sizes of Andersen Window Frames. He need only carry 11 standard sizes to do it; by interchanging heights and widths of these stock sizes he can furnish frames for any purpose.

The saving of time in obtaining Andersen Frames is carried through every operation of their use. Carpenters needn't sort out many small and troublesome parts. Using only a hammer they can nail up the 7 units into a complete frame in 10 minutes. Once in place, White Pine keeps Andersen Frames from warping, shrinking, cracking or rotting.

Booklet Sent Without Charge

Let us send you complete information about Andersen Frame advantages. Please 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-6 Bayport, Minnesota
(Formerly South Stillwater)

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 refitting. Packers 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.
"The Standard of the American Home"

The pride of possession may be yours as Seeger Refrigerators are built to suit the owners of mansions or bungalows.

We have chosen a representative dealer in every large city who will be pleased to show you a Seeger Refrigerator.

Seeger Refrigerator Co.

Saint Paul, Minn.

309 Madison Ave., New York City
82 Washington St., Boston, Mass.

715 Indiana St., San Francisco, Cal.
311 Terminal Sales Bldg., Los Angeles, Cal.
Corrosion — the active enemy within your pipe

The passengers on deck know only that the steady throb of the big liner's heart has suddenly ceased. A steward ventures the information: "Something gone wrong in the engine room, I fancy, sir."

But the captain, fuming on the bridge, and the chief engineer, directing repairs below, are using sailor language concerning pipes that spring leaks in mid-ocean.

At this moment corrosion is probably working away on the pipes in your factory, your cellar, or behind the plastered walls of your home. Starting as a spot of rust, this deadly enemy is slowly gnawing through the pipe. You can't see it. Corrosion works mostly from the inside.

But some day those pipes will begin to leak. It may mean nothing more serious than considerable annoyance and a repair bill. Should the leak start at night, however, it may cause serious damage to valuable goods, costly decorations and furnishings or expensive machinery.

If an annual "corrosion tax" paid by manufacturers and home owners in the United States is ever figured up, the bill will amount to millions. It is only prudent, next time you build or repair, to consider Reading Genuine Wrought Iron Pipe—the pipe which offers two to three times greater resistance to corrosion than does steel pipe. The pipe which costs per year of service one-half to one-third the price of steel.

Our interesting booklet—"The Ultimate Cost"—will be mailed upon request.

Reading Iron Company
Reading, Pa.
World's Largest Manufacturers of Genuine Wrought Iron Pipe
Boston Baltimore Chicago
New York Pittsburgh Fort Worth
Philadelphia Cincinnati Los Angeles
"We haven't decorated for years—and our wall-paper is like new!"

Chamberlin Metal Weather Strips furnish year round protection.
The yearly annoyance and expense of wall-papering and decoration, don't touch the Chamberlin stripped home.
Chamberlin strips keep out dirt, dust, soot and smoke. They keep homes clean. Protect furnishings. Save household labor. Keep wall-paper and decorations fresh and new.

Save 25% to 40% in Fuel

Chamberlin Metal Weather Strips furnish year round protection and utility. They permanently end fuel waste and discomforts of a draughty house. You will appreciate that in the heating months. They keep all parts of the house warm. Insure even heat. No cold spots or cold air currents.

No rattling doors or windows. Children are safer and healthier, too.

All Done by Chamberlin Experts

Chamberlin's own experts plan, fit and install all Chamberlin Metal Weather Strips. And because we know installations are made right we guarantee them for the life of the building.

Chamberlin Strips are used on 85% of all weather stripped buildings, including homes, banks, schools, office buildings, churches, stores, hotels and apartments. 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
Heating Facts
for those who think

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What do you mean by ‘a small house’?

This is a question we have to answer half a dozen times a day. And the answer usually brings disappointment. “Small” today refers to the size; alas, it does not refer to the price. Those good old times when you could build a presentable small house for $6,000 have passed. They will never come again. When we are old we can tell our grandchildren and our great-grandchildren about them, and they will probably not believe us.

This condition, so to speak, is an outcome of the war. Labor got accustomed to high wages during those days and, somehow, it thinks the war is still on. The average man may have his doubt as to who won that war, but when he comes to build a house he will have no doubts as to who is paying for it.

All this is to introduce the fact that the next issue—July—will be the Small House Number. In preparing for it we have seen and inspected scores of small houses; the results of our labors will be a seven page group of about ten good houses of types we can recommend and of costs that are not too staggering. Of course, this group will not include all the houses in the issue, for there will be an article on log cabins that shows quite a variety of types and an article on remodeling which will show still more. In fact, it will be quite a housey number.

Stepping from the houses you come into gardens that are equally modest in design and layout. Modest also are the interiors shown in this issue.

That word “modest” is the one we have been searching for. It is the ideal for the small house. Because smallness does not necessarily mean cheapness nor should it ever mean bad or meagre taste. The atmosphere of the good small house, irrespective of what it has cost to build and furnish, should be modest, unostentatious, comfortably livable, a very incarnation of the good goods that come in small packages.

Most of us, when we think of home, think of a small house. We dream of castles in Spain and then build us a modest little house on a hillside. The July issue will help both the dream and the realization. Incidentally, it will be on the newstands on the 23rd of June.

Contents for June, 1923.

Cover Design by H. George Brandt
The House & Garden Bulletin Board
The Pool by the Doorstep
Mellor, Meigs & Howe, Architects
Garden Seats and Shelters
Richard H. Pratt
The House of Sir Philip Sassoon, Lympne, England
Herbert Baker, Architect
What the Amateur Gardener Can Do
Samuel Franks
Making the Hall a Picture
Mellor, Meigs & Howe, Architects
Book Rooms of Individuality
Margaret McBride
The Charm of the Enclosed Garden
Dorothy Dunning
The Home of Dr. Walton Martin, Cornwall, Ct.
Edward C. Dean, Architect
Roses to the Sky
Minga Pope Duryea
Early American Chairs
Gardner Tool
Filling the Summer Fireplace
Lucy D. Taylor
A Little Portfolio of Good Interiors
Sir James Yvon
Hunting Cusions in Provincial England
The Colonial Gardens of Mexico
Marques de San Francisco
The Evolution of a Shrub Planting
Elizabeth Leonard Stroox
For Window and Terrace
A Group of Three Livable Houses
The Truth About Texture
Mailack Price
Baskets for Many Occasions
The Gardener's Calendar
The Characteristics of William and Mary Furniture
Mr. & Mrs. G. Glen Gould

Volume XLIII, No. Six
Subscribers are notified that no change of address can be effectuated in less than one month
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THERE comes a time, in the development of a country estate or a fine garden, when it no longer belongs entirely to the owner. When it has approached perfection, when it has become a feast for the eye, then, oddly enough, it grows bigger than any owner's capacity for enjoyment. Like the man in the parable who made a great feast; it was more than he alone could eat, so he sent out to the highways and byways and compelled people to come in.

Scattered about this country are innumerable fine gardens and country estates which, at certain seasons of the year, reach this point of perfection. At such times the gates should be opened to the public. In the neighborhood of Charleston, S. C., for example, are three great azalea gardens—The Oaks at Goose Creek, the Middleton Gardens and the magnificent Magnolia Gardens. At azalea and magnolia blooming time these gardens are on public display and a nominal admission fee of a dollar or a dollar and a half is charged. The price keeps out the riff-raff and gives a greater sense of value to the visitors than if admission were free.

The Westchester Country Society for the Prevention of Cruelty to Children has developed this idea into a laudable means of raising money for its charity. Owners of large gardens in the neighborhood set aside a day for visitors and an admission fee is charged, the money going to the society. Why couldn't this be carried out in all neighborhoods where there are extensive private gardens?

We are wondering, too, if the owners of large and beautiful estates ever think to send a fleet of motors to some nearby hospital and bring out the convalescents for a day in the garden? Or a young army of crippled children? Or, for that matter, why they can't arrange for seasonal visits of city school children? The children could be taken over the place by gardeners and attendants and the various trees and flowers explained. It would have a decided educational value, and a seed catalog. Now a reader has written us to the effect that she uses HOUSE & GARDEN to rid her garden of nightmares. She was bothered with meagre membership of a thousand he built it up to sixteen thousand. Mr. Wilks' love for gardening seems to have been an hereditary gift, for his grandfather and father were engaged in horticulture.

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Aañother fine old garden lover has passed. In the death of the Rev. William Wilks at Middleton Gardens everywhere have lost a great friend. Vicar for thirty-three years in this little hamlet near Croydon, he used his leisure to make a remarkable garden and creating, among other things, the race of Shirley poppies which bears the name of the town in which he lived and labored for so long a time. He was also responsible for much of the growth of the Royal Horticultural Society. Elected a Fellow of this association at the early age of twenty-three, he found the society in sore straits. In 1888 he became its secretary, and from the meagre membership of a thousand he built it up until today it numbers 16,000. Mr. Wilks' love for gardening seems to have been an hereditary gift, both his grandfather and father were engaged in horticulture.

ENGLAND has always been famous for its parson gardeners. While the leisure of country life may have afforded them more opportunity to practise this art than was given men in other professions, we are inclined to believe that these country clergy took it up as part of their daily routine from an early age. In romantic days when vegetable gardening and the raising of herbs for medicine were necessary elements in the conventional day's work, we are not so fortunate in this country, although we doubtless have many parson gardeners. The Magnolia Gardens near Charleston, perhaps the greatest in the world, were made by a parson, the Rev. John Grimke Drayton; in the rose field today we have such active workers as Dr. Edmund M. Wilks of Syracuse and Father Schoener of Santa Barbara. Of these, the first three are located in New York and the last in Massachusetts.

O F the architects whose work is shown in this issue, Mellor, Meigs & Howe practise in Philadelphia, Herbert Baker is in London, Pierpoint & Walter S. Davis in California, Edward P. Delk in Kansas City, and in New York, Edward C. Dean, H. T. Lundeberg, Richard H. Dana and Verna Cook Salomonosky. Examples of the work of four landscape architects help in the illustrations of this number are Prentice Sanger, Elsa Rehmann, Ellen Shipman and Elizabeth Leonard Strang. Of these, the first three are located in New York and the last in Massachusetts.

Of the decorators, who number six in this issue, Theflow, W. & J. Sloane, Helen Criss, Harry Meyer, Miss Sparks are New York decorators, and Miss Gheen, Inc. is in both New York and Chicago.

Samuel Fraser, who writes on the opportunities awaiting the American amateur gardener, is a well-known horticultural authority, and is especially reputed for his work with fruit.

El Marques de San Francisco, who contributes the article on old Mexican gardens, is a man of letters residing in Mexico City.
The pool is intimately related to the house, and given a setting that shows real imagination. The high water-level is especially effective.

The roughing of the sturdy post is excellent in its restraint, well in character with the informality of the house, and not too artificially primitive. The house, of which this is a glimpse, was designed for C. W. Morris, at Haverford, Pa., by Mellor, Meigs and Howe.
GARDEN SEATS and SHELTERS

Make the Garden More Comfortable and Alluring by Offering Opportunities for Ease Which Will Also Be Decorative Accents

RICHARD H. PRATT

The whole problem of garden seats, briefly stated, is to combine comfort with durability, to use materials and designs which will carry out the spirit of the garden, and then to place them where they will enhance the scheme and be, themselves, spots from which it is pleasant to look and in which it is pleasant to linger.

Bodily comfort in the garden has to be some sort of compromise between the desire for ease and the rather unyielding ruggedness of things that have to withstand the elements. Stone, for instance, is not the softest material in the world; but it is difficult for rain and snow and frost and heat to do anything to it but give it a lovelier, mellower texture. Therefore stone is a justly popular material for garden seats. In the sun-drenched gardens of Italy it was almost perfect. Even with the disadvantages it offers here of being somewhat too cool for comfort, except in July and August, when it is apt to be too warm, its good points—its permanence and, properly handled, its beauty, outweigh its bad ones.

The stone seat is particularly effective when it is built into its garden. Set in a niche or tied in with flanking walls, like the curious 17th century seat shown below, it becomes as it should be—actually immovable. It is susceptible to a wide variety of designs, but it is loveliest when it is subdued in ornamentation. Ornate carving not only makes it restless in appearance but uncomfortable to sit upon.

In a built-up seat stone may be used very

A curiously carved and ornamented stone bench in an English garden, dating from 1700, in which the grotesque supports show the lingering Gothic influence and the scrolled and florid back the still unfamiliar Italian idea. Its setting of flanking walls and clipped yew background is superb
Van Anda

White furniture effectively placed in the garden arbor of H. R. Louiz, Richmond, Ind., Prentice Sanger, was the landscape architect.

A graceful combination of brick and white-painted woodwork makes this curved rose garden seat designed by Elsa Rehmann.

A brick and stone seat, with its removable padding and sun-dial, encourages contemplation and moralizing in shade and comfort.

House & Garden

attractively with brick, as in the two semicircular seats at the bottom of this page. Limestone or marble in the seats, supports and copings, affords a definite contrast with the brick. But these particular combinations are not the only ones. Slate slabs, in carefully chosen shadings, can be used in the same way where a sharp change in color is not wanted.

Nor are the smoothly cut stones, like limestone, marble and slate, the only ones which can be used in garden seats. Less usual and by no means necessarily less comfortable is the sort which is constructed in masonry, either of stone, brick or tile, or of combinations of these materials. A curved seat of this type is shown at the top of page 47, and it happily illustrates the splendid air of permanence and oneness with its site which is given the seat that is made an integral part of its surroundings: a feeling that is especially strong in this case because the seat functions both as a seat and as a retaining wall.

Seats of cast stone are becoming more and more a part of the garden's equipment. Compared with the same kind of seats in natural stone they are quite inexpensive, and for that reason they are often used in too great quantity. Seats of stone, or of stone-appearing material, are pretty rich affairs and should be used sparingly to be effective. Artificial stone, in itself, can be given a beautiful texture, and as long as it is handled frankly as artificial stone it should prove a valuable material for garden seats and ornament.

It goes almost without saying that seats in marble, limestone and artificial stone should be used only in gardens which have a definite air of formality. Their surroundings should not be placed in the embarrassing position of having to struggle to live up to them. They should be set to an accompaniment of solidity—a solidity attained by the use of walls, paving and formally clipped hedges. They should never be set on turf, for their weight, when the ground is soft, will cause them to work off of a true level. Both for the sake of their appearance and their solidity, they should be given a floor of stone or brick paving.

The whole effect of garden seats in wood
is one of a lighter touch. As a type they may be considered more useful than stone seats in that they are more readily adapted to all kinds of gardens. Their lines may be gay or severe; they may be built up so solidly as almost to achieve the effect of stone, or they may be slender and graceful to the point of fragility. Being more easily formed they may be made more comfortable. And being easily constructed into any shape, they can be made to fit any location in the garden for which a seat is desirable. A circular seat about a tree, for instance, can be accomplished with very little trouble in design or construction, just as a bay in a wall, hedge or lattice—a bay that is curved, many-sided, or rectangular, may be filled snugly with an especially made seat or with a grouping of several.

Wooden seats should be chosen in designs which will reflect the spirit of the garden and suggest the architectural treatment of the house. It will be noticed in the illustration on the top of page 46 how well the furniture combines with the arbor on which it is placed, and it follows that the arbor is satisfying partly because it, in turn, reflects the style of the house to which the garden belongs.

Colors are not safe in garden seats. When painted they should be done in white or in a shade of cream or gray just off white. There is always the danger that a green or any other positive color will clash with the colors of foliage and flowers. A natural wood stain or weathered finish, on the other hand, will harmonize with all its natural surroundings.

The placing of garden seats is a matter of practical esthetics which deserves careful consideration. In addition to the fact that there should be symmetry to their arrangement in the garden, it is necessary that they be located in such a way that they will extend the interest of the garden. Seats at each end of a long path, for instance, will do much more than provide a balanced effect when viewed from the center of the garden. They will lead us on to each end of the path. Seats should not be allowed to jut out into the path along which they are placed, but should be provided (Continued on page 98)
Dutch gables add to this front a pleasant air of domesticity, while the terraces provide a dignified setting which escapes any sense of grandeur.

Although designed as a memorial of the Peace Conferences held at this house, the decoration over the door seems a little militaristic.

The stonework of the steps leading up from the lower terrace agreeably relates the garden to the brick and stone of the house.
The western façade is given balance by the broad sides of the two great chimneys, while the charm and intimacy of garden architecture are expressed by the graceful arched loggia. The planting, and the pool set in turf complete the picture which is that of a typically English country place.

The mouldings and the Classical pilasters of the hall provide a dignified relief to the plain walls. Contrasting with this severity of the walls is the patterned floor, which adds not a little to the Egyptian note given by the two statues effectively flanking the doorway to the wide arched passage.

THE HOUSE
of
PHILIP SASSOON
Lymne, England

HERBERT BAKER
Architect
WHAT THE AMATEUR GARDENER CAN DO

The Fast World of American Fruits and Flowers Awaits His Investigation and Improvement

On the shores of Southern England and of Brittany, across the channel, may be found the wild cabbage. It grows in out of the way spots, in poor soil where there is not much competition. It is getting old, for plants like men and nations grow old and less combative. The plant is often but a few inches tall, it possesses a somewhat fleshy, erect or crooked, semi-wiry stem as its a plant which must endure adversity, and on its crown it bears a tuft of leaves. It is the progenitor of all living cabbage.

Before the dawn of history it was used by primitive man, in Western Europe, as an article of food. To tell the story of all this plant has done for humanity would take more space than we have at our disposal. It is the story of the development of mankind in Western Europe. We may give an inkling of what happened, because what happened to this plant is still happening to every plant now growing. Some of them have not been so closely watched by man, however, and undoubtedly he is the loser.

Some of these wild cabbage plants show a tendency to form small tufts or little heads on the tops of the stem and from such have arisen all the head cabbage we now grow; some show a tendency to reddish leaves and these gave rise to the red cabbage, red kale and some of the latter are of marked decorative value; the leaves of other plants showed a pukered and blistered appearance and these gave rise to the Savoy cabbage, and the pukered and wrinkled leaved kale; others show a tendency to grow erect and not form heads, these gave rise to the collards, grown largely through the Southern states and a well known example of which is the Jersey walking stick cabbage grown on the Island of Jersey in the English Channel; the plant grows over 6' tall, the leaves are pulled off from time to time to feed the Jersey cows and finally the stalk is harvested and made into a walking stick to sell to the tourists. Brussels sprouts were developed from plants which showed a tendency to form little heads in the axils of the leaves on the stem; cauliflower and broccoli from plants which showed a tendency to bear thickened flower stalks; kohli rabi which is a cabbage with a thickened stem, came from plants showing a tendency to store a reserve food. Supply of them in their stem. A closely related plant—rape, was developed for its seed and the oil which it bears a tuft of leaves. It is the progenitor of all living cabbage.

In America, we have not gone through the long period of chastening which attended the settlement of Europe. Ours is a sparsely settled country, with thirty people where Great Britain has 700. We brought plants with us, and in addition, our supply of native plants is so vast we are but beginning to realize what we possess.

A realization of our possessions is going to come with the development, or rather the revival of the spirit of work with plants among our people. Most of us have it latent, it merely needs a spark and a little opportunity to arouse in America an interest in amateur gardening which will make all previous developments insignificant. I say this advisedly, because we have such a wealth of flora to begin with and such facilities for securing anything we desire from anywhere, we have a background of research and knowledge which was previously unknown and, most important of all, means of making this knowledge available to all; a condition which did not previously exist. To get the joy out of the work one must do it, and do it with understanding. One must know the plants, their ways, and capabilities; the great work of selecting improved plants has been done by the amateur, and more good things are being lost today than are found—because some amateur has not kept in sufficiently close touch with his plants so that he can recognize a good thing when he sees it. Think of the advance possible if a million pair of trained eyes were searching America's flora for better plants!

The bush lima bean came very near being lost because its value was not recognized. After being placed in the hands of a seedsman as a desirable find he failed to realize how great an advance had been made. It was a chance remark which led Peter Henderson, the seedsman of New York, to hunt it up and he did not wait long after getting the directions—he went at once and got all the stock, and we all grow bush limas today.

Some years ago, a grower of garden peas in New York happened to pull off a pod from a plant and eat the peas, remarked as he did so that "those peas are sweet as sugar" and realizing the advance that had been made, he immediately set to work to find the plant and save the seed, and this plant became the progenitor of all the varieties of sugar peas we now grow.

(Continued on page 88)
MAKING THE HALL A PICTURE

To design a hallway upon lines so purely pictorial as this is unusual and interesting. The architects have combined straight and curved lines with a skill and a sense for pictorial composition which could well be the envy of any painter. The group of openings to the right of the short stair are outlets for the heating, an ingenious relief from some of the more conventional devices of grille-work one generally sees. The house is designed by Mellor, Meigs and Howe, for Heatley C. Dulles, at Villa Nova, Penna.
Built-in bookcases on either side of the fireplace, a wide window of dignified proportions, plenty of comfortable chairs and a commodious table create an unusually livable library. It was designed by Mellor, Meigs & Howe.

BOOK ROOMS OF INDIVIDUALITY

All the Furnishings of a Library Should Be Planned with Books in Mind for Apart from Their Interest They Provide the Main Decorative Note

MARGARET McELROY

Living rooms, dining rooms, bed chambers and even halls may be as original in their furnishings as one desires to make them. They may reflect the latest whims of the decorator—always provided the canons of good taste are observed—and not be out of the picture. There is much to be said for a gay and original living room or entrance hall in a little country house. After the dignified, serious interiors of the winter, an unusual and inviting room that gives one the shock of something new and delightful is not only permissible but a welcome relief from all the dignity of the city house. But when it comes to libraries, the story is quite a different one. No such liberties can be taken with this room, whether it be in the city or the country. The reason for a library in any type of house, at all seasons of the year, is books! Books are the focal point from which all the decoration radiates. Successful libraries are those in which one is conscious of the books first, the surroundings second.

Certain essentials must be observed whether the library be a dignified one of the Tudor type or an unpretentious book room tucked away under the eaves in a country cottage. Comfortable chairs in which to read books, sufficient lights conveniently (Continued on page 126)

Charmingly simple and dignified is this small library with its deep yellow walls and old mahogany. In the New York home of Mrs. Henry Wise Miller
The bookcase in the library above has quite as much decorative quality as the books themselves. It is of oak, the color and grain of the wood forming a very effective herringbone pattern.

When the walls are light in tone a bookcase in dark wood is more in keeping with the other furnishings than one painted to match the background. The room below is by W. & J. Sloane.

In the library at the left the walls are paneled in birch and the chairs are antique walnut with seats done in red damask. Edward S. Hewitt was the architect and Theodore, the decorators.
THE CHARM of the ENCLOSED GARDEN

An Air of Pleasant Seclusion Can Do as Much Toward Making a Successful Scheme as a Good Design and Well Arranged Planting

- DOROTHEA DUNLEA

However splendid a thing the outside world, it has no place in gardens. It is something to be seen through a lattice, over a wall, or beyond a gap in a hedge. And by protecting your garden from the outside world you give it one of the finest qualities a garden can have, which is an air of pleasant seclusion.

The enclosure which forms this protection need never suggest that it is put there selfishly to shut out the world—there being no reason why it should be stern or formidable, but merely to serve as a hint that what lies within has been gently but firmly set apart. That, after all, is the real spirit of gardens—the spirit of detached existence from all the affairs which lie beyond its boundary.

How to achieve this seclusion is a matter of taste and necessity. It can be done with walls, fences, lattice or hedges. The choice of the material is not nearly so important as the way the material is subsequently handled. A hedge can be just as effective as a wall and in many cases almost as permanent. In the small circular garden at the bottom of the page, for example, the enclosure has been made entirely of tall-growing evergreens, than which nothing could have been more suitable. Where a dense enclosure is neither necessary nor appropriate, a lattice, hung with clematis or climbing roses, can be used with telling effect.

In a city garden walls are generally imperative. And as there is rarely anything particularly beautiful to be gained by a glimpse beyond them, the higher they are made the better. Even on the edges of town and in the suburbs, in cases where the garden faces directly upon a much traveled highway, a wall is apt to be the wisest solution. Elsewhere a complete shutting off of the outside world is not always to be desired. The hedge, wall or lattice should be there but it should be designed so that a view can be had of interesting and attractive things and scenes on the outside.

Where a garden lies within an angle of its house, as the one shown at the top of the page, the question of completing the enclosure should be carefully considered. It is a happy situation for a (Continued on page 104)
There is a medieval grandeur of scale and ruggedness of construction in this great flagged terrace. Much of the true romantic flavor of an ancient castle has been achieved without any feeling of mere theatricalism.

The aspect of the terrace from the garden below is essentially picturesque, and again medieval in its character. There is a fine quality of dignity in the whole mass, and the stonework has been admirably handled.

THE HOME
of DR.
WALTON MARTIN
Cornwall, Conn.

EDWARD C. DEAN
Architect
At the right of the house terrace a stone-piered pergola marks the beginning of the path which climbs past one rose-paneled space after another. As summer advances and shade becomes welcome, climbing roses form a canopy overhead, while primroses bloom in their shadow.

There is something essentially lyrical about this garden in Surrey which leaps from one level to another through a series of seven terraces. On each level, from the house terrace to the hill-top, there is a paneled space set with roses. To give variety to one’s progress each terrace is given a different design. And to make the trip even more interesting each terrace is planted with varieties of roses different from those which fill the panels adjoining above and below. The terrace at the top, which is not shown on the plan, is used as a cutting garden in which all the best blooming roses are grown.

On each side of the garden, from top to bottom, a hedge of clipped yew serves as a background and enclosure while a columnar Irish yew stands as an accent at the head of each flight of steps. It was nothing short of an inspiration that the designer of the garden should have placed his lengthwise path, connecting the terraces, along the side. The temptation, for the sake of a perfectly balanced plan, would have been to run it up the center, thereby not only cutting each paneled terrace in two but making it impossible to view each separate garden as a whole.

On the first terrace, which lies at the house level and is set in the center with a tiny figure on a tall pedestal, the owner of the garden, Mrs. Gerard Streatfeild, who was also its designer, has used but two varieties—Mme. Abel Chatenay and Mrs. Wakefield Christie-Miller, which she considers the most beautiful and satisfactory roses in existence. At the height of their long blooming season these roses make this lower terrace a flash of rosy-salmon.
From a casement on the other side of the house the garden is seen to rise from one rose plot to another; the connecting stone steps accentuated by columnar yews, and the walls covered with pink polyanthas.

The main entrance of the Tudor house at Fullbrook, Surrey, the home of Mrs. Gerard Streatfeild, one of the most enthusiastic rose amateurs in England.
The Chair is a Dependable Index of American Furniture History
From the Earliest Days Up to the Era of Horsehair

GARDNER TEALL

In colonial times life in the North and in the South presented definite contrasts, just as it did in later periods of American history. The Cavalier settlers of the South had come to search for gold; the Pilgrim Fathers of the North had come to seek a haven wherein they, their children and their children's children might find freedom to worship as they pleased. The Quakers likewise sought peace in a far country, while the thrifty Dutch of Manhattan Island and elsewhere set about their business somewhat differently than the Virginians set about theirs. How all these things affected the development of the arts and crafts in America forms an interesting study, and the history of furniture in the Colonies is an interesting repository of data.

None of the earliest groups of settlers north and south appears to have brought over more than the scantiest amount of furniture. If we follow the vicissitudes of the chair throughout its history in Early American times, we shall find it an excellent index to the state of furnishings in general during the periods covered by our study.

The Southern colonists before 1650 appear to have given little thought to the matter of furniture, imported or locally constructed. Thomas Deacon, it is true, inventoried "a wainscott settle", "a wainscott cheare", "a very old cheir" and "4 old joynt stools" in his Virginia home in 1647 and when, in the same year, Governor Calvert of Maryland died "2 chayres and a forme" and "an old frame of a chayre" were among his effects. Perhaps chests served the early Southerners for seats until chairs became obtainable.

By the third quarter of the 17th Century, however, the South was becoming luxurious. The houses being built on the new estates called for more than the mere makeshifts of the earlier years. By 1685 we find Colonel William Byrd writing back to England for twelve Russia leather chairs for Westover and by the end of the century no one had to stand up in a Virginian mansion. There were turned and carved wooden chairs, Russia leather chairs, Turkey-work chairs, wicker chairs, straw-seated chairs, flag-seated chairs, chairs seated with rush, with the inner bark of the basswood tree, chair-tables, and the Dutch chairs were then beginning to make their appearance.

Notwithstanding the great demand for furniture in the South, the Southern colonists appear to have continued to import all their pieces from England or Holland and not to have attempted or to have given local encouragement to any attempt to introduce furniture-making in the southern settlements. The only instance, which I have been able to find on record is one already noted by Esther Singleton in her book on "The Furniture of Our Forefathers", where Thomas Bradley, a carpenter of Essex County, Virginia, was commissioned to make "a Chaire for the President of the Court at the upper End of the table next the shed". This was in the year 1685. In substantiation of our surmise, one may quote Beverley's "History and Present State of Virginia" (1705) where we find the author criticizing the Virginians as follows: "They are such abominable ill husbands that, though their country be overrun with wood, yet they have all their wooden ware from England, their cabinets, chairs, tables, stools, chests, boxes, cart-wheels, and all other things, even so much as their bowls and birchen brooms, to the eternal reproach of their laziness". English life was being transplanted to the Southern colonies and along with it English furniture and the Dutch furniture a little later which the English affected.

In the Northern Colonies, a somewhat more independently American or new world life was entered upon by a local enthusiasm—one may call it that—for the development of everything of a self-supporting nature. That is not to say that the Northern Colonies cut loose from such imports as those that brought English and...
This type, the roundabout chair, was made of hickory and maple in the 18th Century

The stylistic influence of Chippendale finds expression in this mahogany American example of the 18th Century

Another type of "fancy" chair had turning made to imitate bamboo. It is a product of the early 19th Century

Ash and hickory compose the frame of the sturdy early American chair shown below. It dates from 1625-1650

An American chair of Dutch style with Spanish feet. The wood is maple. It was made about 1710-1720

The transplanted influence of Hepplewhite is evident in this mahogany American chair created about 1790

"Fancy" chairs, of which the one to the right is an example, were first made in the early days of the 19th Century

The term "mushroom" applied to the maple armchair, below, refers to the design of the front leg 1725-1750

An American chair of Dutch style with Spanish feet. The wood is maple. It was made about 1710-1720
Above is an old Sheraton wine cooler now used as a flower box. Filled with greens it makes a charming substitute for a grate in summer.

Fireboards should be painted to suit the house. Colorful red hot poker plants and decorative string bean vines make gay the fireplace at the right. Painted by Julia Daniels.

There is nothing so forlorn as an empty, charred grate in summer. Decorative painted fire boards have been used in the New York house of Kemp Starrett.

FILLING THE SUMMER FIREPLACE

When the grate is not removable one may give a summer appearance to a fireplace with a wicker or wrought iron basket filled with flowers.

G. W. Horting
Both of the pictures on this page are views of the library in the New York home of Mrs. Randolph Ortman. The color scheme was taken from the Chinese porcelain bird on the mantel—vivid green, purple, lavender and Chinese red. Miss Gheen, Inc., decorator.

Since there were brilliant emerald greens in the Chinese crepe hangings, varied tones in the chintz of the chair covering and vivid colors in the Chinese paintings in this room, it was advisable to paint the walls a pale beige tone of calm neutrality.
An interesting example of two ways in which one may treat the same kind of wall space is shown in the two rooms on this page. The walls above are light sage green, with straw colored moldings. Gum wood stained deep brown and waxed makes the background in the room at the left. The fireplace is flush with the wall, the space on each side being set with bookcases. R. H. Dana, Jr. architect.
The walls and damask on the furniture in the music room of Mrs. Ortman's house are beige in tone, a charming contrast to the many brilliant colors of the Chinese porcelains, paintings and screens.

A delightful window grouping in the same room shows an interesting old Korean chest, black and gold lacquer chairs and curtains of amethyst Chinese silk. Decorations by Miss Gheen, Inc.
HUNTING CURIOS in PROVINCIAL ENGLAND

Suggested Itineraries for the Lover of Antiques

Who is Going Abroad

SIR JAMES VOXALL

Many an American who haunts the antique dealers and the auction sales at home has come to me, on arriving in London, for a little advice as of one collector to another. Where, they want to know, can a few good things best be picked up which are old enough, or expensive enough, to escape the attention of the American customs. For such of you as are coming over to tour provincial England this summer I offer the following notes:

Chester is the cathedral city most taken en route from Liverpool to London, I think; often in the reputable Chester shops I have seen Americans buying delightful old articles at reasonable prices. But snare are laid there—for example, imitation "old Chelsea" china fruit-baskets, hardly yet quite cool from the kiln; it is wise to beware of anything purporting to be old of which there are several in stock. All the same, near the junction of the street from the railway station with the main road that runs up towards the cathedral, and in the street at right angles to that which descends towards the river, you can pleasantly hunt for real curios with success. And on the "second floor", so to speak, of the Rows, you can find the right thing cheaply, in small dark shops which make little pretension and do not even bid for your custom; I bought an "old Derby" teapot, Japan pattern, for less than two dollars there.

About two hours distant from Chester is Shrewsbury, a town not so picturesque but at least as hopeful a place to hunt in; as you emerge from the railway station, take the left, pursue the curving main street up hill, along the flat, and then down hill, turning aside into courts and bye-streets, alleys and little squares. You hardly go a hundred yards without coming upon another shop of the sort you seek for, wherein—particularly if you rummage about yourself inside—you are likely to find, at your price, a curio you like. Quite considerable bargains can be had. Out of the chief dealer's shop I bought a Chippendale period turned table. And on the "first floor", so to speak, of the Rows, you can find the right thing cheaply, in small dark shops which make little pretension and do not even bid for your custom; I bought an "old Derby" teapot, Japan pattern, for less than two dollars there.

If you land at Southampton, there and at Winchester, en route for London, you may hunt with success. Winchester, like almost every Cathedral city in England, large or small, be it York or Lichfield—Ely is an exception—you will find to harbor, in quaint little shops, which often have to be hunted for themselves, treasures such as you covet and need not be a Crusoes to buy. In such cities the shops have a way of clustering near the cathedral, and of lining the street which leads to it—as they do at Canterbury and at Lincoln, for example—and as you hunt you hear the chant and the organ, or the sound of mellow bells in the air. At Winchester you should search the region between the cathedral and the College—the famous old school which has sent forth so many great men.

Plymouth, to pilgrims who land there, offers opportunities for collecting, and on the way to London lies Exeter, where in the streets near the cathedral delightful things may be acquired. In a ramshackle auction room at Exeter I bought two wine-glasses for six dollars and for one-fifty respectively; the first, inscribed and engraved with the diamond, and showing a warship in full sail, is a "privateersman" glass, a kind much sought for, and costly to buy in the ordinary way; the other is one of the earliest glasses made in England, Venetian in style and early 17th Century in date. So excessively rare that what its Bond Street price might be I really cannot say, but I declined a brother-collector's pleading offer of fifty dollars.

Even a short automobile run in England will give you a hundred shops to enter. Suppose you aim at Oxford and Stratford-on-Avon; between those two, if you motor, spreads the Cotswold region of almost unspoiled old beauty. University cities are not the best for our purpose; too many persons of refinement live there for a treasure to lie long unbought. But in Oxford you may search between the railway station and Carfax, between Carfax and the cattle market, near the Martyrs' Memorial, and down that street of palaces called "the High". Let us take the roving wheel however, and away by country roads twenty miles or so to Fairford (where every window in the church is glorious with almost incomparable painted glass); two shops of the kind we seek for are near. Seven miles on lies Cirencester—Roman, and 16th and 18th Century—where there are three or four shops; in one of them I bought a drawer-wheel spinning-wheel for twelve dollars, and in another a large oval medallion of 17th Century stained glass, to hang in or lead into a hall window, for thirteen.

A few miles northwest lies Burford, an old coaching town where few of the houses are younger than the 18th Century, and most of them are two and three centuries older; this is a place which, I fancy, few Americans know. Halfway down the picturesque descent of the chief street there is a shop from which I have rejoicingly carried away several curio bargains, though it is more a place for old furni-

ture than anything else. On through the beautiful open hill country we go to Stowe-on-the-Wold where, on the signboard of our kind of shop, you may read the name of "Jacques", lingering on out of As You Like It and the Forest of Arden, and that name is found again, in the same business, at Broadway—Mary Anderson's village—quite near. Six miles more, and we come to Cipping Campden, a place for antiques and itself in this respect, the most delightful little town in England—almost perfectly antique. Then a dozen miles will bring us into Stratford, past the inn where Washington Irving took his ease.

The streets which lead from the birthplace to the tomb take the form of the letter Z; along that zigzag lie shops of the kind we are looking for; as they do in Warwick, a few miles off, and at Leamington, a proper hunting-place, quite near. Thence to Worcester, Gloucester, and Cheltenham is the return route I recommend. The north transect of Worcester Cathedral points to an old street which twists along between a dozen places of the kind we look for till it reaches the house which Charles the Second occupied awhile; in that street I bought for seven dollars a Toby jug of age and authenticity—nowadays a rare find, cheap. From the Foregate, too, down to the Severn bridge is good hunting-ground at Worcester—Near the cathedral at Gloucester there are several streets to search, and Cheltenham is quite a place for the Tom Tiddler.

I looked into a small jeweler's shop window at Cheltenham; there were shelves in it helped with miscellaneous things, labeled "all these at $1"—"all these at $2"—and so on. Lying half-hidden by plated spoons, fish knives, and so forth, I spied what seemed to me to be a parcel-gilt silver handle, embossed; and sure enough, I asked away from the dollar-shelf, a 15th Century court dagger, the blade damascened in armorials, the handle of silver, parcel-gilt, and the knob the Lion of Brabant—which a deadly playing as might have been worn at Brussels by some Flemish courtier of Charles V. "I got it in pawn, sir," the shopkeeper explained; it is more valued and in safer keeping now.

There is hardly a large or largish village in England wherein, upon inquiry at the inn or from the local policeman or postman, you may not find some "little man", with a lock-up shed in which he "keeps a few old things", as he says, that are worth looking over. In such a shed at a Cotswold village, for example, I bought two large old cooking ladles, fine brass, with copper rivets and the long slot

(Continued on page 92)
Sociability and good cheer set the keynote for dining room decoration. The “festive board” of ancient song and story has become, in many instances, a thing of calories and concentration, but the spirit of the feast still lingers, making meals an occasion, when individual tastes and interests are blended in the common purpose of giving everybody a good time.

For this reason the decoration of a dining room can be more informal in character than that of the other rooms. It should reflect the air and spirit of the occasion of dining, be individual without being freakish, and should avoid at all costs being stereotyped and dull.

Have you ever thought of the things in a room which make its atmosphere, give it character and make it different from every other room? First there is color. We all know the effects that different hues and tones have upon us, orange and yellow for gayety, brilliance and cheer; red for warmth and depth, used in moderation so as not to be over stimulating; blues, greens and lavenders for cool, quiet remoteness and austerity; grays for gentleness, rest, neutrality and tans for easy, informal sociability and carefully graduated warmth. One could write a volume on the subject and still leave much unsaid. But color is only one of the elements that means the success of a room. There are others equally (Continued on page 94)
THE COLONIAL GARDENS OF MEXICO

In the Republic to the South Interesting Examples Still Exist Showing the Art of the Spaniard, Moor and Chinese

EL MARQUES DE SAN FRANCISCO

Time, at the best a cruel artificer, has dealt harshly with the old colonial gardens of Mexico. True, to this day those who care for such things may pace the shadowy alley of the Borda domain, or, if it is not their wish to travel quite so far afield, whisper their confidences into the “Chamber of Secrets” which still survives in San Angel, or gaze at the mutilated grotesques of the Tacuba “Pensil”. But these are perhaps the exception. Of many of the most far-famed amongst the gardens of New Spain little, save a fast fading memory, has reached down to our own times; that, and a few clumps of bushes knotted together in inextricable confusion.

For almost three centuries the Spaniards reigned supreme in Mexico; and the masterful race left its imprint indelibly stamped upon the country. During that time, in exchange for the untold wealth which they derived from their colony, they gave her much of what was undoubtedly their best. Christian churches soon arose over the ruins of the ancient “teocallis”, and Aryan customs and ideals came to supplant the semi-barbarous usages of the defeated Aztecs. Another element was imported as well, the strange Oriental strain which the Spaniards themselves had acquired from the Moors. These three tendencies — the Spanish, the Moslem, and the native — give us the key to the whole of that exotic product, Mexican Colonial Art. Extraordinary as it may seem, there is likewise a not inconsiderable amount of Chinese influence, due to Mexico’s geographical position on the ancient commercial highway between Europe and the Far East. But of course, it is nearly always Spain that predominates.

Few are the towns, even in the Peninsula itself, which can boast of such an imposing array of fine old buildings as the capital of

(Continued on page 90)

The formal pool in this old garden at Cuernavaqua is set with square islands; and ends upon a loggia typical of Spain.
June, 1923

This raised pool, lined inside and outside with faience tiles, achieves a splendid, colorful effect with the simplest means in its circular, paved courtyard.

Only a half-hidden suggestion remains of the charm of this patio with its well head, and balustrade vine-tangled arbor.

Almost smothered in foliage are the garden house, arch and arbor in this garden at Coyoacan. The details show a Chinese influence.
THE EVOLUTION of a SHRUB PLANTING

Showing the Ingredients that Go Into a Shrubbery Border and the Methods that Make it a Beautiful and Effective Screen

ELIZABETH LEONARD STRANG

What does the landscape architect think about when he makes a planting plan? By what process does he evolve something of lasting beauty from a seemingly hit-or-miss collection of plants which he has decided will meet the needs of the problem?

First, he must consider the site. Two places might be similar in shape and size but utterly different in the selection and disposition of the planting material. Climate, relative scale, the character of the immediate surroundings, the degree of refinement, the amount of care the place will receive—groomed to the last degree or allowed to grow as Nature wills—these are only a few of the essential elements of a successfully built-up planting.

The accompanying plan shows what was accomplished on a village lot. The house, overhung as it was by large shade trees was so dignified that the foundation embellishments often advocated by disciples of the landscape art would have been utterly trivial. Since the owners did not wish anything costly to prepare or maintain, the problem, reduced to its lowest terms, resolved itself into a border of trees and shrubs on the far side of the lawn, which, though primarily for screening purposes, should possess beauty and interest the year through, and, accessory to this, a few well-chosen and carefully-disposed plants and vines with a perennial border along one side of the house.

As this border was viewed at a considerable distance from the house, the planting could be fairly large in scale. Intimate detail and choice bits of expensive planting, such as would have been appreciated on a more restricted area, would have been utterly wasted here. By keeping to a relatively simple treatment the double purposes of economy and good design were served.

In beginning, to make the plan, some things of rapid growth were first put down—a row of Lombardy poplars next the fence (to be cut out later) concealed the adjoining old barn the very first season, and the glossy laurel-leaved willows are attractive enough to be left until they begin to crowd. A group of the large-leaved ailanthus trees, placed where the owner intends ultimately to build a garage, will occasion less regret than would a choicer tree when the time arrives to cut. These preliminaries having been disposed of, the next step in the evolution of the design was to arrange a number of hemlock trees that as they grow they will form a dense screen, contribute to a well-balanced winter effect and tie together the lesser units of the composition. (These trees have proved a practical choice for this locality, inasmuch as they may be successfully taken from the woods, even when quite large, if moved at precisely the right season, namely the last week in August and the first in September).

To avoid spottiness in a landscape picture we are told to plant in broad masses, low or high as required, each variety in a group by itself. If this advice is followed literally, the painful result is a series of solid clumps, anything but nature-like in appearance. The scattered hemlocks break up the lumpiness of the minor masses, and provide a unifying background for the lesser effects as they appear in their allotted sequence. They are aided by the woody twigginess of the shapely little blue-berried dogwood trees. Blended together by means of this background, the many varieties necessary to the various pictures may be arranged without confusion.

First, in early spring, we see against the tender vivid green of young larch foliage, red maple blossoms, white sprays of shadbush, pussy willow, and the misty yellow of spice-bush and cornus mascula, while in the foreground blazes the scarlet

(Continued on page 88)
By referring to the plant list below (the first number in every group on the plan being the index figure to the list) it will be seen how the various trees, shrubs and perennials were placed to the best advantage in color, height and blooming season.

**PLANT LIST FOR SHRUBBERRY BORDER**

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<thead>
<tr>
<th>NO.</th>
<th>AMT.</th>
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<tbody>
<tr>
<td>1</td>
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<td>Tilia americana</td>
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<td>2</td>
<td>1</td>
<td>Taxus cuspidata</td>
</tr>
<tr>
<td>3</td>
<td>27</td>
<td>Taxus repandens</td>
</tr>
<tr>
<td>4</td>
<td>109</td>
<td>Paeonia suffruticosa</td>
</tr>
<tr>
<td>5</td>
<td>20</td>
<td>Engravers radicans var. vegetus</td>
</tr>
</tbody>
</table>

**DECIDUOUS TREES, SHRUBS AND VINES IN AUTUMNIZING ORDER OF INTEREST**

- **April**
  - 6 Acer saccharum, Red maple.
  - 7 Cytisus sempervirens, Red-flowering Spanish broom.
  - 15 Populus nigra var. fastigiata | Lombardy poplar (screen cut in three years).
  - 8 Robinia pseudoacacia var. pseudocacia, Black locust.

- **May**
  - 20 Prunus persica flos-albescens, Double white flowering peach, tree to 15'.
  - 10 Prunus amygdalus var. pumila, Double white flowering almond, shrub to 6'.
  - 2 Spiraea Van Houttei, Van Houtte's spiraea, to 7'.
  - 2 Viburnum Carlesi, Korean viburnum, 6'.
  - 3 Malus pumila var. Rehderi, Rehder's double pink crab, tree to 30'.
  - 5 Cornus sericea var. sericea, Red-flowering Japanese cornus, 6'-10'.
  - 2 Scionea vulgaris var. albida, Common white lilac, to 35'.

- **June**
  - 1 Histaria cinerea | Purple wisteria.
  - 4 Deutzia Leontopod, Deutzia leontopodioides, white, 1'-3'.
  - 20 Spiraea Houttei, Spiraea Houttei, 2'.
  - 24 Chionanthus virginicus | White fringe (to 1'.
  - 31 Viburnum Carlesi, Korean viburnum, 6'.
  - 25 Philadelphus Lemoine's hybrids | Sweet mock orange.
  - 27 Viburnum Carlesi, Korean viburnum, 6'.

- **July**
  - 32 Rhododendron paniculatum, Varnish tree, 20'-30'.
  - 33 Spiraea alba, White dwarf spiraea, 2'-5'.
  - 1 Cowberry, Turquoise vine, 20' or collect any native thorn.

- **August**
  - 34 Rosa setigera, Pink prairie rose, 4'-6'.
  - 35 Hydrangea arborescens | Fringetree, white, to 30'-40'.
  - 36 Ribes alatum, Yellow-flowering bush, 2'-3', berries do not last long.
  - 37 Ceanothus thyrsiflorus, Mountain lilac, to 3'-5', small intensely crimson flowers.

- **September**
  - 38 Euonymus fortunei, Chinese spindle, 10'-20', planted for its sweet berries and graceful foliage.
  - 39 Hypericum calycinum, Cornelian cherry, 8'-15', rose, 3'-6'.
  - 40 Hypericum calycinum, Cornelian cherry, 8'-15', rose, 3'-6'.
  - 41 Hypericum calycinum, Cornelian cherry, 8'-15', rose, 3'-6'.
  - 42 Hypericum calycinum, Cornelian cherry, 8'-15', rose, 3'-6'.

- **October**
  - 42 Hypericum calycinum, Cornelian cherry, 8'-15', rose, 3'-6'.
  - 43 Aronia arbutifolia, Red choke-berry, 2'-5' also double white flowers in June.
  - 44 Celastrus scandens, Bittersweet, vine to climb poplars, should not be allowed to climb better trees. Red fruit persists until spring.
  - 45 Amelanchier pumila | Virginia creeper, on fences, planted for red color in autumn.
  - 46 Anemone heterophylla, Turquoise vine, planted for blue berries.
  - 47 Cornus alba foliosa, Blue-fruited dogwood, 10'-20', planted for shapely manner of growth, thriving in shade.
  - 50 Syringa vulgaris | Japanese lilac, 20'-30', pink, grows 5'-8'.
  - 51 Photinia villosa, Chinese Christmas berry, 5'-10', red fruit.
  - 52 Clematis paniculata | Japanese clematis.
  - 53 500 Pine, White birds of paradise.

**FLOWERS AND BEDS**

- May
  - 17 Peony hybridum | Pink wild peony.
  - 37 Phlox drummondii, Drummond's phlox.
  - 38 Chrysanthemum | Early pink.

- June
  - 47 Cornus alba foliosa, Blue-fruited dogwood.
  - 50 Syringa vulgaris | Japanese lilac.
  - 53 500 Pine, White birds of paradise.

- July
  - 57 Iris pallida | Pink, grows 5'-8'.
  - 58 500 Pine, White birds of paradise.
  - 59 Lilium regale, Regal lily.
  - 60 500 Pine, White birds of paradise.
  - 61 500 Pine, White birds of paradise.
  - 62 500 Pine, White birds of paradise.
FOR WINDOW AND TERRACE

Fabrics from Lang & Stanley, Inc.

The difficult dormer window might be shaded with an awning painted in blue-green stripes on the outside and white underneath. This type admits plenty of air and reflects light into the room.

A conservative awning for a city house might be sand colored bound with French blue tape to match the painted valance.

A row of casement windows that open in should have one awning shaped to keep the long, low line of the window casing. The awning shown above is painted in Venetian red and white.

An interesting awning might have a curved valance bound in bright tape and the insignia of the house stenciled in the same color. Above is a valance painted in solid green stripes alternating with yellow on white ground.

In California one finds awnings of this type used to shade both windows and terraces. In brilliant stripes or in plain cloth the color of a Venetian sail, they are especially effective on stucco houses.

Awnings come in a large variety of stripes and plain colors or striped on one side and plain on the other. The designs are painted and are weatherproof. Above is a scalloped valance made by cutting out the stripes on the edge.

A long row of casement windows that open in should have one awning shaped to keep the long, low line of the window casing. The awning shown above is painted in Venetian red and white.
The home of Max Chotiner, Los Angeles, Cal., is a style that would harmonize with any locality. Tan stucco and many-tinted shingles give it color. Pierpont & Walter S. Davis, architects.

The two gable wings which are seen from the street flank a tiled patio. The mass of the house from this direction, as well as from the entrance front, presents an easy and very pleasing profile.

This bungalow-cottage is built on a good one-floor plan. The wings are placed so that the breakfast room gets the first rays of the morning sun, and the patio is shaded from afternoon heat.

A GROUP of THREE LIVABLE HOUSES
The old Mount Vernon type of square-post portico loses none of its fine dignity even when it is transplanted far from its Eastern habitat. This type of portico is gracious and does not necessarily imply a house of large scale. While this is not a small house, yet its manner has much of the pleasing informality which is generally associated with the small house. The incorporation of house and garage, in the form of a "motor room", is becoming more frequent.

The central feature of the front of the house is developed to express its importance. The doorway is well detailed, and the Palladian window is brought into relationship by the trellises. A flag walk adds informality.

In a house of this size it is never difficult to provide an ample number of livable rooms. The architect has taken advantage of his opportunities here. Edward B. Delk is the architect of this house for Ray Colcord, in Kansas City, Missouri.
June, 1923

An interesting aspect is given this house by the unusual manner in which the brick and shingle treatments have been combined. It is a house of pleasant proportions. The owner is Walter F. Chorn, of Kansas City, Mo., and the architect Edward B. Delk.

The prospect of this house from the rear presents an appearance, almost of a different house. Its proportions from this point of view also effect a happy relationship with its level site.

The second floor plan shows the enclosed sleeping porch and a compact arrangement of bedrooms, baths and closets about a central stair hall.

On the first floor there is an especially efficient relationship of dining room, breakfast room and kitchen. Under the rear wing is a basement garage.
Here the individual stone as a unit of design is emphasized by white mortar joints.

Texture in rough stone work in which the mortar is nearly as prominent as the stone.

An unusually good study in the texture of five distinct materials. In none of them is it unduly exaggerated, Donn Barber, architect.

This detail shows the degree to which texture can be expressed in the slate roof without affectation. The brickwork shows the same characteristics.

The stucco here has been given an unusual and interesting character by means of emphasizing its plasticity.

A study in stone, wood and stucco textures, each expressing its natural qualities, surface and construction.
The Truth about Texture

Once Ignored and Neglected, It Is Now In Some Danger of Being Exaggerated

MATLACK PRICE

Perhaps psychologists have investigated and tabulated, among other facts about human weaknesses, the tendency of “going to extremes”. Most of history seems to bear out the fact that the swing from one extreme to the other is as marked as the well-worn old simile of the pendulum. It has been marked and duly recorded in the social history of the world, and the artistic history of the world is not without evidences of it.

In this immediate consideration, the point of departure is the era of esthetic depravity generally known as the “eighties”, an era which comes down to us with monuments which even the scope and efficiency of professional wrecking companies diminish all too slowly. Even a century from now examples will probably exist so that students can observe at first hand all that is deplorable in the matter of texture.

The architectural camoufleurs of the eighties seem to have had no more reason or intelligence than they had esthetic morals. They sanded wood and cast iron to make it resemble stone, they painted brick courses on plastered stone walls, they artfully imitated the grains and figures of fine woods in paint, and made honest brickwork a farce by means of hideous colors and mechanically accurate painted joints. Few building materials were what they seemed to be, and what they seemed to be was usually the product of an uneducated artisan’s depraved delusion.

The practice of senseless and often quite unnecessary imitation of one material by another, or the complete annihilation of the real character and identity of a material became so widespread that it was some time before the architectural awakening of the early nineties made any impression on the texture situation.

Brickwork emerged from its disguise of paint, but still neglected its possibilities of texture; woodwork kept well within the limitations of mill finishes, and stonework began to assert itself as such, though it had a long struggle to get over the passion of architects and builders to painfully chip it in “rock-faced” effects. Even today rock-facing is practiced on stonework, and reaches the height of imbecility in the casting of rock-faced concrete blocks for building—a piece of meaningless artificiality as bad as anything that was perpetrated in the depraved “eighties”.

It was a long time before anybody so much as thought of hand-hewn woodwork, and the development of varied textures in stucco progressed slowly, but steadily, a little behind the gradual development of stucco as a popular exterior finishing material.

With the emergence of architectural ideas and ideals into the present enlightened age, it became increasingly more apparent that

(Continued on page 102)
The bedroom above has cream walls, early American maple furniture, green glazed chintz on the bed and chair and crewel embroidered rugs. Harry Meyer, decorator.

A flowered wall paper, curtains of apricot gauze trimmed with mauve, a chair done in ecru and mauve taffeta are delightful in a summer bedroom. Miss Sparks, decorator.

SIMPPLICITY SHOULD be the KEYNOTE IN COUNTRY HOUSE BEDROOMS

There is nothing more charming in a summer bedroom than cool, sheer organdie. Here it is used for the curtains and to drape the dressing table and bed. Flowered wall paper and braided rugs supply the notes of color.
The china for every day use should be arranged in an interesting manner behind glass doors in the pantry. Odd pieces may be kept in the compartments on either side.

The China on the Shelf

In Addition to Being Arranged for Utility One Should Remember its Decorative Possibilities

VERNA COOK SALOMONSKY

China, besides being merely utilitarian, can be of great ornamental value to a room. It will often provide a brilliant touch of color and in certain types of interiors brings a quaint, decorative note that is very charming.

There are places where utility must be the first consideration in the arrangement of china but even in this case it can be placed so that it is decorative as well as useful.

In a dining room where the treatment permits of an open display of china, a cupboard of good design, partially recessed in the wall, will prove a practical solution. Also the simple, sturdy lines of a Welsh dresser with its rows of open shelves topped with a shaped wooden valance, are particularly adaptable to a room of naive character. On these shelves the china should be arranged and grouped with care, forming a well-balanced and a colorful composition. Where painted furniture is used or when a higher note of color is needed to brighten the room, such a cupboard would be exceedingly attractive painted some rich contrasting color, as (Continued on page 94)

Ornamental plates of pleasant china, gay and primitive in design, are effective used on the shelf over a door in rooms of the cottage type.

A sturdy Welsh dresser with its rows of open shelves topped with a shaped wooden valance is the best setting for one's cherished china.

Frequently the architectural scheme demands a closed china closet. Above is one built into a corner. The door opens on well arranged dishes.
SOLVING THE HARD WATER PROBLEM
As Hard Water Has Many Distinct Disadvantages Any Equipment That Makes It Soft Is A Paying Investment

ETHEL R. PEYSER

Due to its globe trotting in the underworld, water takes up more or less mineral matter. It may look clear and taste well enough and yet contain lime, or magnesium or some such mineral. In other words, you will be drinking and washing and cooking with a mineral water, which has various and sundry bad effects.

In some vicinities water is harder than in other vicinities. For example, in regions where there is mud, stubble, lime and magnesia and less of the harder minerals, the water will be harder than where the rocks through which it flows are of more "Spartan stuff." Wherever there is mineral matter which succumbs to the soluble powers of water, we have water of some degree of hardness.

Under some conditions it doesn't matter if there is a slight degree of hardness (which usually exists), but under other conditions it is quite perilous to have water with any degree of hardness.

Until recently, it was very difficult to break up the union which takes place between the solvent water and ready-to-be-attached mineral matter, but now we have, due to scientific endeavor, a method by which any water can be made soft for personal, culinary, and industrial uses.

In many sections of the country, people have taken to using rain water because it is soft. They feel that soft water is better for the skin, for the shampoo, for the laundry; which, of course, it is. They have discovered that their toilet soaps, unless of the most expensive types; and laundry soaps, unless particularly made for hard water, will not form a lather: that is, will not combine easily with hard water. For this reason those who can afford it have elaborate systems of pipes, vats, etc. for catching the rain water and those who cannot afford such plants, have resorted to the cistern, wherein the rain water becomes stagnant and perilous. Whichever way the thing is done, expensively or otherwise, the water is not always fit to drink, for rain carries impurities from the atmosphere, its storage is uncertain, and there is no surety that the water is safe.

Furthermore, in the districts which have hard water, pipes clog with the mineral matter, boilers have to be chiseled out, tea kettles have to be scrapped or scraped, all because of the mineral scale which adheres to these things in affectionate embrace. Years ago the industries found all this out and used the zeolite water softeners. But only recently has the domestic softener come into being. A Berlin professor, named Ganz, discovered the fact that a certain sand-like material called zeolite had the charming generosity of giving up a part of its body or base (the sodium part) in exchange for the lime or the magnesium of the water that passed over it, rendering water to the zero point, that is, completely without lime or magnesium. He also found out that if zeolite were artificially made he could produce a synthetic composition which would have other bases generous respectively to nickel or to gold or to whatever mineral really was in the special supply of water, and would exchange with the water, for the mineral it did not need, the mineral of its own body which was so lightly married to it that it would combine rapidly with the burdened water. So from this unstable composition of chemical life was born the modern domestic and industrial water softener.

As the domestic softener is simple, I will describe it and then pass on to its "power for good." It chiefly consists of a cylinder with the natural or artificial zeolite in it; two pipes, one of which lets the water in and one which lets the water out; a valve which permits salt to be dropped in. In order to re-use the zeolite (after it has exchanged so glibly its mate for the mineral mate in the water) it has to be restored with (Continued on page 116)
The front rooms of these English cottages at Broadway, Worcestershire, are increased in area and light by the bays alongside the doors beneath a long pent roof. This corbelled type of bay is, through precedent, in character with the house of half-timber construction. Muott Hall, in Sudbury, Suffolk, furnishes this fine and authentic English example.

In the center picture, taken in the west of England, the smallness of the bay window gives no idea of the amount of cheerful sunlight it admits to the interior within.

The two-story type of bay not only adds to the interest and dignity of the exterior, but makes for peculiar grace and distinction within, as well as for added light. This is at Clifton, England.

THE BAY WINDOW
AN ARCHITECTURAL LEGACY from ENGLAND
The graceful dignity of this simple bay window is a credit to the English Regency period in which it was designed. In both proportion and detail it is gracious and restrained. The house is in Clifton, England.

(Below) A house in Sheep Street, Chipping Campden, England, is graced by this small bay which was remodeled from a mullioned Tudor window. It adds to the exterior a pleasant air of domesticity within.

The early mullioned form of stone bay is the original from which many later varieties have been developed. It is characteristic of Scholastic Gothic and Tudor buildings, such as this Priory, at Chipping Campden.

The use of a pent-roof connecting twin bays provides a practical shelter for the door, and also gives unity to the design of the housefront as a composition. This house is located in Pershore, Worcestershire, England.
All these types of bay windows can readily be transplanted to American architecture. Here, for example, is the shallow bay on a modern Colonial house in Brookline, Mass. Grandgent & Elwell were the architects.

(Below) This ample bay window has replaced a single window like the one above it, with an obvious gain of light and space within. It is a later addition to an old house in Chipping Campden, Gloucestershire.

In this early 19th Century house in Bedfordshire, England, the second-floor dressing room is flooded with sunlight from the tall bay, which also conspicuously aids the appearance of the whole exterior of the house.

Both floor space and light have been increased in these old houses at Burford, Gloucestershire, England, by the changing of the original mullioned casement windows to simple white, wood-framed bay windows.
A wren house that looks like a miniature log cabin is of wood tinted a soft brown. It may be put in a tree or hung in a pergola. Priced at $2.

Birds are more apt to come into a garden if there are homes for them scattered among the trees. The rustic house at the left is for a woodpecker. It is 13" x 6". $1.75.

The wren house above with its picturesque thatched roof is made of small branches lined with copper wire. It comes 12" or 18" high $10.

BIRDS
HOUSES
for the
GARDEN

The house above is of cedar treated to give a rustic effect. With a large opening for a bluebird, $3. Smaller opening for a wren, $2.75. 16" high.

Swinging houses are said not to be troubled by sparrows. Above is a picturesque one in cedar suitable for a wren or a bluebird. $2. 12" x 10".

Any of the bird houses on this page may be purchased through the House & Garden Shopping Service, if the same models are not available in the local shops.

This gay little bird house is painted bright green with a dark green roof and red chimney. 7" high, $3.

Unusually picturesque, this small bird house has many features to recommend it. It is strongly made, with a thatched roof. It is lined with wire cloth and the bottom is hinged to facilitate cleaning. In addition there is a copper wire if one wishes to hang it. 9" high by 12" long, $7.

This rustic bird house of rough cedar bark would be almost inconspicuous in the notch of a tree. It is very small, measuring only 6" high x 7" long x 6" wide. As it is intended for a wren the opening has been made very small to keep out the sparrows. It may be purchased for $1.
BASKETS FOR MANY OCCASIONS

On This Page Are Shown Some Practical and Decorative Baskets Which the Reader May Purchase Through the House & Garden Shopping Service If These Same Models Are Not Available in the Local Shops.

This basket for flowers or ivy makes a charming porch decoration. Stained, $2.75. Handles and edges in contrasting colors, $3, 15" high.

An unusually graceful willow trellis basket to hang on a porch is 16" high. Natural color $10, stained any shade $11.50, enameled $13.

An English willow tea basket holds everything necessary for a delightful tea for two in the country. The kettle and sandwich boxes are nickel plated. Basket is 12" x 7" x 8" $36.50.

This Porto Rican saddle basket in tan and brown can be used on the porch to hold magazines, 17" high size costs $4.50.

This Philippine sewing basket of tan reed with a beautiful woven design in dark brown is $6.50. It is 4" high, 9" wide.

For gathering flowers one needs a practical and light basket. This graceful square rattan one comes from China, 15" wide, $3.

A practical green reed basket has a nickel plated lining and removable ice compartment, 22" x 10" x 15", is priced at $15.
The GARDENER'S CALENDAR for JUNE

SUNDAY

1. This Calendar of the gardener's labors is aimed as a reminder for undertaking all his tasks in season. It is fitted to the latitude of the Middle States, but its service should be available for the whole country if it be remembered that for every one hundred miles north or south there is a difference of from five to seven days later or earlier in performing garden operations. The dates given are for an average season.

2. 6. June, 6. June, that we may
Wil(l) poe and make ns happy
Across the river they w ill
Repeat the season of
Insects for ever.

3. Where we boast too much of our crops in the garden is advisable. This should be done with moderation, as it is not desirable that our notions should be too large, or that we should be over ambitious for the season. Where one bush fails the crop area.

LIBERTY H. BALEY

4. No other American or taught more extensively, or for the greater good of gardening in this country than the editor of the Cyclopaedia of Horticulture

5. This brilliant English essayist writes on music, morals, pictures and poems, then with equal facility, in "Studies in Gardening," of flowers and garden design

MRS. FRANCES KING

6. Having great affection for her subject, Mrs. King finds herself on intimate terms with all the affairs of gardening, and writes simply and gracefully about them

HENRY T. FINCE

The dean of New York music critics, the author, also, of "Gardening With Brains" will cover this summer his fifty-fifth annual gardening festival

MRS. EDITH WHARTON

The men and women pictured on this page, with their chief interests for the most part widely varied, have come upon common ground in that all have produced notable gardens. Mrs. J. W. Byfield, an expert in garden design, has written books on garden color, the various types of gardens, and garden ornament. Mrs. King, one of our most enthusiastic gardeners herself, has written delightfully on gardens and designed them. Dr. Beilin, a botanist, has written enough to move him fill a five-foot shelf with volumes that keep many on canvas, as well as professional, from Scandinavia. Mrs. Whitman, a social, has done one of the best books on Italian gardens in existence. Mr. Clutton-Brock, whose portrait here, by the way, was drawn by his friend William Rothenstein, writes on almost any subject under the sun, but on none of them more entertainingly or sensibly than gardening; while Mr. Wood steps outside music criticism to write on gardening with the same wide knowledge that he brings to music and with the same affection for puppets and pigeons which he has for the works of Edward Grieg.

A. CLUTTON-BROOK

THIRSDAY

1. The flow-1. Don't neglect to keep up the table garden. This work should not be neglected, the plants should be thinned out and the frame should be ready when the first appearances of the potato beetles are feared. At this stage it is of the utmost importance to keep the fruit brush in readiness.

2. Do not 2. Keep a sharp look out for fungal spores in the garden. If the plants are growing well and the soil is well drained, it is very likely that the plants may not be attacked. If, however, the plants are not growing well, it is very likely that the plants will be attacked. When the plants are attacked, the first step is to thin them out and to remove the diseased leaves. The next step is to remove the diseased leaves and to remove the infected plants.

3. Corn 3. Don't neglect to keep up the table garden. This work should not be neglected, the plants should be thinned out and the frame should be ready when the first appearances of the potato beetles are feared. At this stage it is of the utmost importance to keep the fruit brush in readiness.

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7. One of 7. Keep a sharp look out for fungal spores in the garden. If the plants are growing well and the soil is well drained, it is very likely that the plants may not be attacked. If, however, the plants are not growing well, it is very likely that the plants will be attacked. When the plants are attacked, the first step is to thin them out and to remove the diseased leaves. The next step is to remove the diseased leaves and to remove the infected plants.

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10. Do not 10. Keep a sharp look out for fungal spores in the garden. If the plants are growing well and the soil is well drained, it is very likely that the plants may not be attacked. If, however, the plants are not growing well, it is very likely that the plants will be attacked. When the plants are attacked, the first step is to thin them out and to remove the diseased leaves. The next step is to remove the diseased leaves and to remove the infected plants.

11. Keep a 11. Keep a sharp look out for fungal spores in the garden. If the plants are growing well and the soil is well drained, it is very likely that the plants may not be attacked. If, however, the plants are not growing well, it is very likely that the plants will be attacked. When the plants are attacked, the first step is to thin them out and to remove the diseased leaves. The next step is to remove the diseased leaves and to remove the infected plants.

12. Do not 12. Keep a sharp look out for fungal spores in the garden. If the plants are growing well and the soil is well drained, it is very likely that the plants may not be attacked. If, however, the plants are not growing well, it is very likely that the plants will be attacked. When the plants are attacked, the first step is to thin them out and to remove the diseased leaves. The next step is to remove the diseased leaves and to remove the infected plants.

13. Keep a 13. Keep a sharp look out for fungal spores in the garden. If the plants are growing well and the soil is well drained, it is very likely that the plants may not be attacked. If, however, the plants are not growing well, it is very likely that the plants will be attacked. When the plants are attacked, the first step is to thin them out and to remove the diseased leaves. The next step is to remove the diseased leaves and to remove the infected plants.

14. Do not 14. Keep a sharp look out for fungal spores in the garden. If the plants are growing well and the soil is well drained, it is very likely that the plants may not be attacked. If, however, the plants are not growing well, it is very likely that the plants will be attacked. When the plants are attacked, the first step is to thin them out and to remove the diseased leaves. The next step is to remove the diseased leaves and to remove the infected plants.

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16. Keep a 16. Keep a sharp look out for fungal spores in the garden. If the plants are growing well and the soil is well drained, it is very likely that the plants may not be attacked. If, however, the plants are not growing well, it is very likely that the plants will be attacked. When the plants are attacked, the first step is to thin them out and to remove the diseased leaves. The next step is to remove the diseased leaves and to remove the infected plants.

17. Keep a 17. Keep a sharp look out for fungal spores in the garden. If the plants are growing well and the soil is well drained, it is very likely that the plants may not be attacked. If, however, the plants are not growing well, it is very likely that the plants will be attacked. When the plants are attacked, the first step is to thin them out and to remove the diseased leaves. The next step is to remove the diseased leaves and to remove the infected plants.
Plunder from the Spanish Main! Modern treasure ships bring back from those tropic isles sugar, spices, vanilla, chocolate, nuts and fruits. The charm of far-off, forgotten shores and storied seas is expressed in this pirate’s chest of delectable sweets. The very fragrance of the opened box prepares one for the feast in store.

Delving into the treasures is a delight to any candy lover. Beneath the top trays of unusual chocolates are money bags filled with gold and silver wrapped pieces, the finest coinage of the candy maker’s art.

And then as you settle back to revel in these luxuries, here are the Whitman’s masterpieces you will find:

- Majestic, Minty Mallow
- Plum Pudding, Temptation, Messenger
- Mellowmint, Fancies, Milk Cocosnut Cream, Cocosnute, Pecan Marshmallow
- Double Walnut, Jordan Almond, Filbert Clusters
- Liquid Raisin, Liquid Pineapple, Liquid Cherry, Amaranese
- Milk Chocolate Blossoms, Peanut Caramel, Marshmallow Block, Dollar Mints
- Honey White Nougat, Brazil Nut and Fudge-Marshmallow

Truly a treasure-trove is this picturesque package, so reminiscent of the brave tale of Robert Louis Stevenson! "Pleasure Island" is sold by those good stores selected as agents for Whitman’s. There is one in your neighborhood.


Also makers of Whitman’s Instantaneous Chocolate, Cocoa and Marshmallow Whip
THE CHARACTERISTICS OF WILLIAM AND MARY FURNITURE

With William and Mary furniture in England we feel a domestic quality well named by this royal husband, William III., and Mary his docile and beautiful wife. The furniture is typical of the more homelike and modern way of living brought to England from the older nations of the world at the close of the 17th Century. Because of this change in the home and the house, which was built with higher ceilings, the 18th Century in England opens an era of furniture making unrivaled for its peculiar quality and suitability. We are to-day striving to recall and equal it. The dates of the period are 1689 to 1702.

One point, constantly brought to our attention, is that the more elaborate William and Mary pieces take their inspiration from the Italian Renaissance, albeit qualified in its transportation through Flanders and Holland via France. The simple pieces however are the special accomplishment of this period. Whether in plain little tables, in chairs or benches, in cabinets and beds, the beautiful surface of plain wood in nature's wonderful markings competes successfully with carving from the hand of man. The designing of what we would call practical furniture, light enough to be easily moved and simple enough to be easily cleaned and cared for, is a quality of William and Mary furniture for which the housewife is grateful.

Interior decoration as an art had its beginnings in England at this time. William and Mary were interested in making palaces and gardens into attractive homes. These are the marked characteristics of William and Mary furniture:

**Construction:** Rectangular forms, but lighter and also higher than earlier styles. Underbracing variously curved, crossed and ornamented, often decidedly Renaissance in character.

**Ornament:** Dutch designs, often harking back to Italian Renaissance motifs, especially in marquetry which becomes exquisite. The typical cockleshell motif is traceable also to Italy. Chinese decoration comes to England with the incomparable China teas and porcelains. Veneer, marquetry, inlay, carving, coloring, gilding and lacquer. Upholstery of cross-stitch embroidery, damask, velvet, leather and caning. Vase-forms supported by curved, crossed underbracing of Italian Renaissance type very characteristic.

**Tops:** Arched hood and double hood; crest; double chair topped settees; straight (Cont. on page 114)

A typical handle and drawer pull of this period

(Right) A table leg showing the typical turning

(Below) Design of a painted cabinet panel

(Right) A characteristic hinge mount

A cabinet of rectangular construction with panels and moldings. Note the pointed arched cutting of the apron, the shape of which is repeated below in the flat underbracing

Some of the armchairs have finely carved "mirror backs", so called because they are framed like a mirror with exquisite, deep carving of leaf motifs

A chair arm with carving and upholstery as well

A Spanish scroll foot of the same period

A turned and finely curved chair leg

Profile of a typical chair arm of the period
STERLING SILVER brings sincerity into family life, and dignity and graciousness to its entertainments. Sterling Silver should be used by everybody. And Gorham as the maker adds the final touch of correctness and elegance—the highest in quality, not the highest in price. Established responsible jewelers everywhere sell Gorham productions.

FIFTH AVENUE & 36TH ST., NEW YORK

(TRADE MARKS)
How You Can Give Your Home New Charm

YOU can give every room in your home that delightful air of immaculate cleanliness—You can rejuvenate your furniture, woodwork, floors and linoleum—You can take the drudgery from dusting—By just going over all finished surfaces occasionally with Johnson's Polishing Wax.

JOHNSON'S Paste - Liquid - Powdered POLISHING WAX

Johnson's Wax imparts a hard, dry, oil-less polish which will not collect dust or show finger prints. It quickly polishes to a velvet, artistic lustre of great beauty and durability.

Johnson's Polishing Wax comes in three convenient forms—Paste, Liquid and Powdered. Use the Paste Wax for polishing floors of all kinds. Use Johnson's Liquid Wax for polishing furniture, woodwork, linoleum, leather, shoes and automobiles. Johnson's Powdered Wax makes perfect dancing floors.

Building?

If you are building or remodeling you should have our Book on Wood Finishing. We will gladly send it free and postpaid for the name of the painter you usually employ. Use coupon below.

This Book Tells

How to make your home artistic, cheery and inviting.

How to put and keep floors, woodwork and furniture in perfect condition.

How to finish soft and hard woods.

How to refinish old wood in stained and enameled effects.

How to fill unsightly, germ-catching cracks.

How to stain wood artistically.

Our Book Tells 100 Ways to Brighten Up Your Home. Use the Coupon Insist on Johnson's Polishing Wax — For Sale at all Good Stores

The S. C. JOHNSON & SON, Dept. H. G. 6, RACINE, WIS.

Book on Home Beautifying FREE

S. C. JOHNSON & SON, Dept. H. G. 6, RACINE, WIS. (Champion Factory-Branded)

"The Wood Finishing Authorities"

Please send me free and postpaid your book on Wood Finishing and Home Beautifying.

My Dealer is:

My Name:

My Address:

City & State:

WHAT AMATEUR GARDENERS CAN DO

(CONTINUED FROM PAGE 50)

A man sent a plate of apples to a show and a nurseryman seeing them, decided that they were an acquisition and worthy of propagation. In some way the name of the exhibitor was lost and the only thing to do was to wait another year and see if the same man would show again. Fortunately, he did and the nurseryman was on hand to get his name and immediately proceeded to order tree and all sorts to propagate it. In this way the Delicious apple was saved. The wonder of Mcintosh which precipitates the name of its discoverer, was a thrifty young seedling tree in the Canadian wilderness two hundred years ago, and attracted the attention of the owner who was clearing the forest, so that he saved it. It has shown remarkable ability to transmit its hardness and desirable characteristics to its offspring, so much so that 95% of its seedlings are worthy of propagation, and it is to the parent of a new race of apples which will have a remarkable influence on apple production in northeastern America in the next thirty years.

We do not need to defend the position of the amateur in American horticulture. Let me refer you to the few illustrations cited, I feel they are so pitifully small compared with what he does that I believe they will illustrate the opportunities before us. Furthermore, I have taken up but one small part of the study in the propagation of the plants themselves. Those working with them will have all the inspiration which comes from doing the work in the best possible manner. The one who grows flowers, fruits and vegetables, should devote his energies to the production of varieties of high quality which cannot be purchased. It is not wise to grow Baldwin, Rome or Ben Davis apples, when there are such varieties as Primaro, Early June, Cox Orange, Fall Strawberry, Mother McIntosh, Melon and a long list of delicious which few fruit growers are not worth while to grow Lombard plums and neglect Imperial Euphine, Miller's Superb, Sampson and a list of Gage plums; a few cultivars have recently discovered what a wonderful preserve can be made from ripe red English gooseberries, such as Industry, but the home garden should furnish them for eating out of hand for a month.

Who is going to push our native fruit?

There is one great force which is going to take hold of American horticulture and place it on the standard higher than our commercial horticultural attain, that will lead to advances unparalleled. That force is the amateur. The joy of achievement will be his incentive. The inherent love for cut-of-doors will be his motivating force. With these at liberty to function, we may stage exhibitions of fruits, vegetables and flowers somewhere and are not getting the fun out of showing that we might; we have too much of the attitude of the first to go to witness a few perform, rather than the spirit of the drama where we all join in the play. Just as the appreciation in the plants themselves. Those working with them will have all the inspiration which comes from doing the work in the best possible manner. The one who grows flowers, fruits and vegetables, should devote his energies to the production of varieties of high quality which cannot be purchased. It is not wise to grow Baldwin, Rome or Ben Davis apples, when there are such varieties as Primaro, Early June, Cox Orange, Fall Strawberry, Mother McIntosh, Melon and a long list of delicacies which few fruit growers are not worth while to grow Lombard plums and neglect Imperial Euphine, Miller's Superb, Sampson and a list of Gage plums; a few cultivars have recently discovered what a wonderful preserve can be made from ripe red English gooseberries, such as Industry, but the home garden should furnish them for eating out of hand for a month.

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If you were to ask the woman who owns a Cadillac which of its attributes she values most she doubtless would answer, its dependability. But she would also inform you that its other qualities likewise engage her admiration, and none more so than its dignified and distinctive appearance. She realizes that the car is representative of her taste and judgment, and she takes much the same pride in it as she does in a beautiful and well ordered home.

In its form, finish and appointments, she recognizes the type of beauty which is both striking and restrained, and which she knows will reflect credit on her wherever she drives. She admires this quality for its own sake—for the pleasure and satisfaction which artistry gives to a cultured taste. She admires it even more as the reflection of that inner worth and dependability which single out the Cadillac as the leading fine car.
**These Gifts Will Carry Happiness**

It is when June comes round again that the charm of gifts, such as the pieces pictured above, is particularly manifest. For wedding or graduation, or simply as a gift whose unexpectedness enhances its value, they are equally delightful.

Built throughout of American Walnut, they are fashionable in beauty, in usefulness, in lasting service, to the ideal Berkey & Gay have maintained for over 60 years.

Each piece—harmonious, graceful, friendly—will carry with it an enduring happiness in its possession. Foremost merchants invite you to view these occasional gift pieces this month. To reveal the exact arrangement, though the same conditions would seldom be duplicated, and thence deviations would have to be made in carrying out such a border, it should prove self of full suggestions. Keep in mind, in seeking to evolve such a plan, the shrub is selected to fill a definite place and is put in exactly as it would be on paper, and on the actual ground.

**The Colonial Gardens of Mexico**

(Continued from page 67)

Weigelia, effective at a distance though somewhat coarse nearby, faces the allanthus trees. In one place a white fringe contrasts with dark foliage of a copper beech, so placed as to allow for its fullest splendour development. In another, Harrison's yellow roses gleams against the hemlocks, followed in July by the gorgeous single pink prunus rose, likewise too coarse for intimate planting. To afford variety of contour, little trees are interspersed here and there, not disposed to reach their ultimate fullest development, but to mingle with the rest. Some of these have been already mentioned. Others are the thorns, valuable alike for flowers and late-hanging fruit, and the little-used Kolkwitzia, whose graceful panicles of yellow flowers hang for several weeks in July.

Other midsummer effects have been mentioned in passing, when describing the low planting next the street. Next to this is a combination planned for September—the feathery-fruited ground tree, the blue twis of the have of the Buddleia, and the flaming red foliage of the Eryngium alatum. Other fruits are seen as well, blue-berried dogwood, orange hawthorn climbing the poplars, red chokeberry and the uncommon phlox, or Christmas berry. Vines drape the fence, white Clematis, flaming foliage of Virginia creeper and clinging lapis lazuli of the turquoise berry. Nor must we omit to mention the flowers of witch-hazel appearing in late November.

The little flower border against the big gray house is just about the last word for ease of maintenance and succession of effective color. Purple crocus in large masses, followed by tulips of rose and primrose yellow, the big orange, blue and creamy white polyanthus early and late, and deep rose-colored phlox—the whole edge with aromatic gray-leaved Verbena and Heliotrope, with its lavender blossoms, and built up higher at the ends near the shrubs with these yellow flowers hang for several weeks in July. Other midsummer effects have been mentioned in passing, when describing the low planting next the street. Next to this is a combination planned for September—the feathery-fruited ground tree, the blue twis of the have of the Buddleia, and the flaming red foliage of the Eryngium alatum. Other fruits are seen as well, blue-berried dogwood, orange hawthorn climbing the poplars, red chokeberry and the uncommon phlox, or Christmas berry. Vines drape the fence, white Clematis, flaming foliage of Virginia creeper and clinging lapis lazuli of the turquoise berry. Nor must we omit to mention the flowers of witch-hazel appearing in late November.

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Nearly three years' production of the Packard Single-Six has now gone into the hands of the owner.

It seems fitting in this connection, to recall the expectation aroused in the earliest of our Single-Six announcements, and inquire into its fulfillment.

We promised, in short, that the Single-Six would conform to the best traditions of fine car manufacture, and unite to that fineness a moderateness of first and after cost, without previous precedent.

The steadfast maintenance of a sales demand without parallel in Packard history, and the insistent demand by distributors for more cars than Packard is able to supply, the car's splendid behavior and marked economy—all these justify the confidence expressed three years ago.

Single-Six Touring Car, Five-Passenger, $2,485
at Detroit
THE COLONIAL GARDENS of MEXICO

(Continued from page 90)

We take pleasure in presenting "Old Gold"—another of the many charming patterns to be found wherever Haviland China is sold. "Old Gold" was given its name by friends in apt description of its richly beautiful golden yellow decoration.

Haviland China

Illustration directly above shows
the design in actual size

Illustration directly above shows
the design in actual size

Haviland China
Manufactured at Limoges, France

Haviland China may be found in a profusion of beautiful patterns at all first class China or Department Stores. Write for name of nearest dealer if you have any difficulty locating one.

of Mexico: hitherto they had been little save an indiscriminate jumble of trees and flowers, showing little attempt at unity or regularity. But now the influence at work in France and Italy began to creep slowly into the colony, and bit by bit the gardens dating from this period have a short space laid out in the formal manner then prevalent in those countries, subject, of course, to local interpretation. It generally assumed the shape of a square with a fountain in the centre, and shut off from the rest of the grounds by a low parapet 2' or 3' high. The flower beds were similarly enclosed, and the whole ground resembles a tile from Puebla reproduced on a gigantic scale. A strict symmetry was rigidly adhered to, and the central fountain surrounded by statues, seats, and jardinieres. pots containing a few choice plants were placed upon pedestals especially set astride the parapet for this particular purpose.

It was here that guests were generally received: festivities chiefly entitled the tiers seating of chocolate from enameled cups especially fashioned in China,—strange receptacles called "mancornas"—the proceedings being enforced by low music from a string band. Reproducing, as they invariably do, many of the shapes and forms employed in the contemporary "churrigueresque" style of architecture, so rich in combing motifs, these gardens possessed a peculiar charm all of their own, and I have no hesitation in commending them unsparingly for reproduction to all lovers of the old-fashioned.

An old colonial garden still existed in Tula, which at about the year 1840, Madame Calderon de la Barca, whose "Life in Mexico" has of recent years been accorded universal recognition as a classic, visited it at the time, and I cannot refrain from quoting her admirable description. "It was singularly pretty," she writes, "and kept in beautiful order, with gravel walks and lime trees, clear tanks and sparkling fountains, and an extraordinary profusion of the most beautiful flowers, roses especially. There is something extremely oriental in its appearance, and the fountains are ornamented with China vases and Chinese figures of great value. Walking along under arches formed by rose bushes, a small column of water spouted forth from each bush, sprinkling us all over with its shower. But the prettiest thing in the garden is a great tank of clear water on three sides by a Chinese building, round which runs a piazza with stone pillars, shaded by a drooping palm. Comfortable well-cushioned sofas are arranged along this piazza, which opens into a large room, where one may lie at noon-day, with the sun and the world completely shut out." Unfortunately, few such gardens remain at the present time, and those are mostly in a sad state of neglect. The "Penel," established in the neighbouring town of Tacuba by Don Manuel Marco de Ibarra in 1767, is little better than a ruin, though what still remains amply justifies a visit, notably the fountains, garden seats, and arcades, fantastically carved in stone or provided with quaint designs in plaster.

Last, but not least, amongst colonial gardens comes the "Jardín de Borda" in Cuernavaca. Some of its admirers—their number is legion—enthusiastically hold it to be the equal of any in the world. A. comparison with the far-famed Genenialfläche of Granada, to which it bears a marked resemblance in many respects, is closed by walls," writes Mr. Baxter, "it spreads over a large sloping area with a wide prospect over the glorious landscape; from the extinct volcano or Alisco, that towers just above the city to the northward, around the far-reaching vistas of the ample Morelos valleys and the hot-hands. It is still very beautiful with its terraces, arcades, pergolas, arbors, basins and fountains. It is a gem of its simple kind. It has an exquisite charm of classic elegance, and effect of poetic antiquity in its dark and moss-grown stone, the sun-light shifting down upon it through the rich and glassy foliage of the great mango trees that shade it."

Originally laid out by Don Manuel de la Borda, in the last quarter of the 18th Century, it is said to have cost its owner more than a million pesos. The sum is no doubt exaggerated, though the impression the visitor receives is one not likely to be forgotten.

CURIOUS in PROVINCIAL ENGLAND

(Continued from page 64)

in the handle; price, five dollars for the two. In a remote small town, such as Spalding, there is almost sure to be a man who buys at local auctions, stores his purchases, avoids the running expenses of a shop, and sells "to the trade," as he calls it—that is, to buyers for London curio-dealers who regularly visit him on their rounds. That you are not in the trade need not be a barrier insurmountable, and he will sell to you at something like trade prices, which are low.

For fine antique furniture, if I wished to furnish or re-furnish, at reasonable cost, I should go to the principal dealer at Dorchester, returning to London via Yeovil and Salisbury where, especially at the latter, collectors may agreeably hunt. Spare half hours of a business visit to Nottingham, Birmingham, Newcastle-on-Tyne, Bristol, Carlisle, Leeds, Manchester, Northampton, Leicester, Manchester, may be similarly occupied with advantage. The spas—Harrogate, Malvern, and Bath in particular—and the seaside places—Brighton, Folkestone, Eastbourne,—and old port-towns such as Rye, Falmouth, Poole, Kings Lynn may equally attract many chances. So do the county towns, such as Guildford, Hereford, Montrose, Middletown, Colchester. In short, the list is long.

A MARKETPLACE on marketday should always be visited scrutinizingly, the bookstalls especially; at Truro I found in a "ten cent box" a copy of the first edition of Charles Wesley's Hymns. Better book bargains may be discovered in a browsing through an auction room than at a second hand book-seller's, and old pictures at a miscellaneous furniture store are cheaper than at a picture-dealer's. Richmond, half an hour by train from Charing Cross, offers you a dozen or more antique and a dozen broker's shops to search
TÉCLA necklace is as radiant and serene as the finest specimens from the pearl fisheries of the East. Let us show them to you.

Técla Pearls can only be procured in America from Técla, 398 Fifth Avenue, New York.

There is only one Técla shop in America, even as there is only one Técla Pearl.

Técla Pearl Necklaces with Diamond Clasps $100 to $350

Upon receipt of references, selections gladly sent on approval
THE BELBER TRUNK & BAG COMPANY, Philadelphia

**Enjoyment / Vacation**

To open, turn lock up. To lock, turn lock down. One turns unlocks or locks every catch.

The latter are advised because one can easily see the china that is needed, and they serve to protect the odd pieces of china, and small drawers immediately under the shelves may be used for keeping table silver. For the pieces of china which are merely ornamental there are many places where they may be placed to good advantage. Practical and primitive design, for example, are effectively used on the shelves over doors of the Dutch type. In an old-fashioned room plate and jugs may be effectively arranged on the mantel and on open shelves over the mantel, a few large plates, providing they are of the corresponding period, adding dignity to the room. Pattern paper will make a striking and appropriate decoration for a dining room.

WALLPAPERS for DINING ROOMS

(Continued from page 65)

Wall paper is essentially a pattern product. For every type and kind of furniture, for every section of the English home, there is a paper that tells the same story that the furniture is telling, that defines the thought of the period, that suits the character, size, and shape of the room. The picture to yourself a modern house with a deep reception hall, stairs leading up from the back, a small front reception room and a big dining room with an arching opening out into the hall. The wall spaces in this room are much broken and cut up by a fireplace, doors to pantry, bay window and cupboards. The furniture is good mahogany on simple lines. What do the walls need? A plain paper? No, for then the few remaining wall spots will be lost and the woodwork in the room will stand out with annoying plainness. A small figured paper? No, for the sweep of line in the architectural finish and the weight of the furniture would both make it look insignificant. A figured paper, such as would be in out of place with the severity of the furniture and the strictly formal character of the trim. There are but two things left, the formal leather pattern and the landscape. And of these two, the sweep of line is far the better. The simple rectangular wall spaces are long and narrow vertically, and the sweep of tree trunks and foliage lends themselves admirably to them. So it becomes a landscape with tall tree trunks and nodding foliage on the shed, and foliage lends themselves admirably to them. So it becomes a landscape with tall tree trunks and nodding foliage.
SIGNIFICANT EVIDENCE

"My Lincoln has performed 100% since leaving your plant."

"On my trip to Colorado I traveled over 2500 miles, always stopping over night at Ford Garages, usually finding them to be the best in the towns or cities and universally anxious to render service to Lincoln owners."

"If big car owners could only realize the advantage of owning a Lincoln car in a drive across country, Lincoln sales would surely surpass those of all other big cars. Reliable Ford Dealers are so well established in all towns and cities that Lincoln car owners can rest assured that no matter where they may need service, a responsible Dealer is near at hand to render that service and at a reasonable cost."

Every day the mails bring us added evidence like the above that owners of Lincoln cars are experiencing a new degree of motor car satisfaction.

LINCOLN MOTOR COMPANY
DIVISION OF FORD MOTOR COMPANY, DETROIT, MICHIGAN

The Seven Passenger Touring Car

LINCOLN
When there shall be no more Marthas

Every town has its Marys and Marthas. Mary is freed from household drudgery; Martha is “cumbered about much serving.”

Some day all the world will realize that most house work can be done by little electric motors, costing 3 cents an hour to run. Then there will be no more Marthas.

WALLPAPERS for DINING ROOMS

(Continued from page 94)

WALLPAPERS for DINING ROOMS

bunches of foliage echoing the lines and spaces made by the woodwork and repeating the simplicity and dignity of the furniture.

This is only one case, but often the cut-up room presents a similar problem and this solution will be found most satisfactory. Landscape paper still further serves the purpose of making each wall space “count” for itself and at the same time tends to open up the space and make it take on a most pleasing air of largeness and dignity.

For the room that is cut up horizontally by high wainscoting or plate rail, this is not so satisfactory. It is better to use here a paper with a good all-over movement or else one in tapestry effect, well covered in foliage that makes a rather solid mass of mildly varied tone and shape above the wood, lighter or darker according to the particular needs of the room. In the smaller rooms, the low ceiled country house dining room with white woodwork and wainscoting, the lighter papers in less formal style make a happy, cheerful setting quite in keeping with the character of the room. The elder chintzes in gay reds and greens, birds, flowers, and foliage, the newer more lightly drawn and varied effects, are all good; and the reproductions of old scenic papers are especially adapted to rooms of this kind. Choose something with character and snap, something interesting. Avoid the simple little blends and all-overs which sink back innocuously into the background and present no spark of entertainment or interest.

For the ordinary dining room with one or more fair-sized, unbroken wall spaces and an average amount of light, there is nothing better than the tapestry or foliage paper, provided the furniture is not too delicate and restrained. If furniture on Sheraton or Adam lines is used, then the lighter, smaller, more conventional figures or the period papers would be the best choice. For the majority of our dining room furniture, however, the Chippendale, Heppelwhite or Windsor styles, or the ornate straight line pieces, the tapestry and foliage papers in cool grays or greens offer a happy solution and make a background interesting and pleasing.

The breakfast room with its painted furniture presents another problem. This type of room may be as gay and joyous as one desires, and some of the papers designed for these rooms are positively alluring in their color and pattern. Rich gold backgrounds with red, orange, blue and deep purple flowers on them, cool grays with birds and flowers in pastel tones suggest a multitude of possibilities for the decoration of the furniture and woodwork. If the space be small, these papers may be used over the whole surface, but if they are better put into panels with the moldings colored in the ground tone of the paper and the accent colors of the paper suggested in a thin line or band on one of the flat surfaces of the molding.

The paneling of the dining room gives a splendid opportunity, even for the larger rooms, for these handsome bits of color and design. Used over the entire wall surface, they would make too much decoration. But placed within the frames, they serve, as the tapestries served in olden days, as rich and satisfying glints of color, texture and pattern to brighten and beautify the room. For these larger rooms, the formal scroll, the tapestry, the heavy bird and flower, the scenic and the conventional period designs all panel work and make fitting pictures for the frames that await them.

There is no reason to be afraid of pattern. Many people are fearful of its not being restful. Try it out in your dining room and rediscover for yourself that restfulness does not mean inactivity, apathy, stupidity. It means beautiful, rich and interesting combinations that please the eye and stimulate the imagination.

Far more satisfying and in the end restful than blank spaces that show no originality of thought and usually suggest a lazy attitude of mind.

When there should be no more Marthas

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GENERAL ELECTRIC

Imagine this amusing Persian design in a small breakfast room. The colors are old blue, rose, yellow, green and mauve on white. From Robert Graves

A charming paper for a small breakfast room is this Chinese design in green or blue on a white ground. Courtesy of the Thomas Strahan Company
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THE END OF A PAVED PATH has been marked by a recess in the garden wall, across which a plank or slab is fixed to form an effective seat.

GARDEN SEATS AND SHELTER (Continued from page 47)

with a niche or recessed space. Once placed in such a situation they should be given some sort of background. Whether this background is a wall, hedge or lattice it should serve to set off the seat to the best advantage both in the matters of line and color. It must be remembered that to be effective from a distance there should be a certain amount of contrast in color between the seat and its background. Nothing could be more striking, for example, than the sight of a beautifully designed white seat in stone or wood set against the glossy green of a hemlock hedge.

It will be found that seats in various parts of the garden are not equally delightful at all hours of the day. When the view from a particular seat is especially fine during certain hours a shelter might be arranged which will make those hours completely comfortable. Where seats face away from the sun during their best hours a tall background hedge or lattice is generally sufficient to give them shade. Where they face toward the sun, on the other hand, they will need an overhanging shelter of some kind— an arbor, beach-umbrella or small wide-branching tree.

It must not be supposed, by the way, that seats which face the sun in the garden are less desirable than those which have the sun at their backs. If the sitter is protected from the direct glare, the garden, filtered through with sunlight, will lie amazingly brilliant before him while from the opposite side of the garden the whole effect will be different. Where the first glimpse was an effective bit of hazy impressionism, the latter, with every plant standing out clearly in full sunlight, will be beautifully realistic.

These two aspects suggest faintly the great variety of effects which a garden is capable. But somehow these effects are seldom fully noticed or completely appreciated unless they are seen from a comfortable and well placed seat. The comfort of the seat itself and its position in the scheme of the garden have been considered in the question of shelter remains.

In this article it is proposed to discuss only those shelters which are incidental to the seat. Pergolas and arbors—all garden houses, in fact—rightly assume a greater importance than seats, and are a subject to themselves. The smaller types of shelters consist usually of a post and lattice framework in which the seat is placed. These may be arched over, as in the example shown at the top of page 9, or the upright sections may be formed by slender crossbeams in fashion. Depending upon their position in the garden these shelters are built either with seats at the sides or with the seat across the back. When the seats are placed at an entrance to the garden their shelter becomes a passageway and the distance between the faces of the seats must be determined by the width of the path. When the seat-shelter is placed at the end of a path the seat is against its lattice background, faces the path by which it is approached. Shelters of this kind, with seats built into them, can be constructed by the carpenter from photographs, or the

(Continued on page 100)
Country House Dining Rooms
at the Hampton Shops

PLASTER walls finished in blue-green glaze with beautiful old XVIII Century Italian doors form an interesting setting for this simple furniture, adapted from the XVI Century Italian to the requirements of a small dining room. Hand carved and hand made from dark toned, soft finished walnut; the draw-top table and long sideboard have been designed for convenience as well as beauty of proportion and permanent value.

From Italy, France and England, we have gathered the largest collection of antiques, reproductions and adaptations in America, ranging from such simple, inexpensive country house styles as this to the most exquisitely hand carved furniture for the luxurious city home. This collection is arranged in the Hampton Exhibits to assist you in the planning of your own home.

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THE TRUTH ABOUT TEXTURE

(Continued from page 75)

the natural textures and characteristics of building materials were better than any artificial "textures" or "faked characteristics" which could be arbitrarily applied to them, and all about us countriedies began to appear houses which seemed to possess a kind of intrinsic merit which would last. Any idea, however, in building or anything else, is susceptible to the abuse of exaggeration, and it is against that we must guard in the matter of textures. "Rock-faced" masonry is an example of bad art in the form of an artificial imitation of a natural effect, or at least of what was believed to be a natural effect. Considering here certain materials commonly used in the exterior construction of houses, instances are not far to seek where the architect, or artisan, or both have shown too much zeal in the "back to nature" swing of the architectural pendulum.

Brickwork in which rough brick-ends are deliberately projected two inches or so from the face of the wall is on the danger line of affectation. It more or less produces an effect of nature, or natural texture, but by means too self-conscious and insistent. The architect may say "I want the most amusing effect here with the brickwork"—and the expression which he means to sound pleasantly natural comes nearer to being literally true.

STUCCO AND WOOD

There are even more affectations in stucco finishes. Texture is all very well, and even a variety of more or less tricky kinds of trowel work, but the smooth coat which looks as though it had been thrown on in handfuls is as bad, in its way, as the stucco with a trowel which is troweled as smooth as a piece of sheet metal. "The mark of the tool," theetch of all the ardent believers in the gospel according to William Morris is all very well, if the tool is used in a normal and natural manner. If a piece of wood is rugged to shape with an adze, the marks of this tool are sufficiently emphasized by the vocabulary of our country house architects—but it, too, is susceptible to abuse and exaggeration. It is well enough, and admirably picturesque, when it is in scale and character with its house, but it becomes grotesque when it is made to look as though it had been laid by the Druids, after they got through building Stonehenge.

DANGEROUS EMPHASIS

So much for the danger of exaggeration and insincerity in over-emphasizing textures in materials. There is a real danger, one which might go far toward discarding a number of excellent and honest materials; it might even give the pendulum a push backward to the point where textures were ignored and disguised. There are plenty of examples of greatly exaggerated textures in motion picture "sets", and these should be seen as a sort of warning to such and similar prospective builders as entertain the belief that if rough woodwork is good, mutilated woodwork is better.

From which observations I do not by any means want it to be supposed that textures in building are not an admirable and highly desirable thing. The illustrations of this article have been chosen to show that great care should be given to show good expressions of textures in several commonly used materials. If you show, in several instances, the limit to which the texture should be developed.

HANDLING STONE

Texture in stone masonry is a particularly delicate matter, because a stone wall combines nature and artifice. The stones themselves are natural, the mortar joining is artifice, and this should always be very sympathetically done. For natural stones are suitable for building in their natural state, and must be "rough dressed," which means in their natural state but roughly squared up and in others, the rough splitting of the stones themselves. The color and color of the mortar used depends upon the effect desired. In one illustration the horizontal shapes of the stones are so pleasing that the architect has emphasized the stones as units by means of white mortar joints. In another example, where the edges of the stones are not so precise, a unity has been given to the wall by the use of mortar joints, and little or no trast in color between mortar and stone. In stucco finishes there is a good deal of latitude, because stucco is a mixed material, with no prototype or precedent in nature to tell us what its natural texture should be. Common sense and good taste ought to help in determining the best stucco texture in any given instance, but unfortunately these aids are frequently absent. There can be no general rule, because a good and effective finish for one house might be atrocious on another. Certainly the addition of coloring materials to the stucco or rough-cast finishes can add greatly to the picturesque effect of this material, and so long as the treatment is a means and not an end, unusual stucco effects can safely remain the right side of undue exaggeration.

BRICK TEXTURE

Texture in brickwork has been aided, not entirely recreated by the enlightenment of the manufacturers in providing face brick in a wide range of excellent natural colors and textures. The only way in which these modern bricks can be spoiled is in the manner in which they are laid up. Three things, here, must be right: the color of the mortar, the width of the mortar joint and the kind of mortar joint. Attractive brickwork has been done with white mortar, used in wide flush joints. There is less emphasis of the pattern formed by the individual bricks as units when neutral colored mortar is used, and perhaps the most effective (and the safest) method of brick building is with neutral colored mortar, in a raked joint of medium width not more than three eighths of an inch. The slight shadow cast by each brick sufficiency emphasizes the fundamental identity of the brick as a unit, and produces a pleasant and not exaggerated effect of texture in the whole wall. Even common brick, laid up in...
To the Woman Who Appreciates Correct Appointments

HOW often have you been in this kind of home:—Beautiful furniture. Fine rugs. Tasteful decorative combinations. But—when you sit down to the table, there is a conglomerate assortment of silver—all out of key with its setting. What a let-down!

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THROUGH ABOUT TEXTURE

This shows a strand of Crex wire grass magnified many times. Notice the three: Smooth, solid, strong. No holes, no splits. This is why Crex rugs wear so long. Germs and dust find no lodging here.

ROSES TO THE SKY

ENCLOSED GARDENS

brought to a comfortable sitting height, would give the feeling of a substantial enclosure without being one that might shut out a desirable view, and it might also be arranged to serve at certain points as a seat. Gardens which are sunk no more than a foot or two give a fine sense of seclusion without having any more of an enclosure than the surrounding slope or retaining wall. A type of enclosure which has not yet been touched upon is the "post and chain." It consists, as the name implies, of posts, 6" to 7" tall, spaced from 6" to 10" apart, and connected by chain, which hang between the posts in a graceful curve. This device, even when it is hung with climbing vines, will not obscure the view beyond the garden, but breaks it up into a series of decorative panels.

In gardens whose surroundings are too lovely to be lost and in which, even when they are left fairly open, there is not apt to be any unwelcome intrusion, the enclosure need be indicated only as a part of the framework. In cases of this kind a low hedge would be entirely adequate. It might be barberry, box, or low-trimmed privet. A low wall, built to a comfortable sitting height, would give the feeling of a substantial...
In addition to the studios which are constantly rich with many kinds of decorative accessories—textiles, rugs, lamps, mirrors and art objects—Rorimer-Brooks designers enjoy another and decidedly unique asset. Behind the studio is the Rorimer-Brooks furniture shop which has won a nation-wide reputation among connoisseurs for its leadership in creating artistic furniture.

Through the services of this shop you can enjoy furniture which is wholly your own—designed and fabricated by skilled artists to meet your exact requirements.
Early 17th Century English Carved and Inlaid Oak Court-cupboard, by Kensington.

Although the Renaissance movement in England reached its full development in the 16th Century under the great Elizabeth, some of the finest furniture in the style was produced in the first quarter of the following century. The work of the wood-carver was still rich in imaginative conception and decorative quality, while the art of the cabinet-maker had steadily developed. Furniture was no longer ponderous but of fine proportions and excellent cabinet construction. Its moderate scale and great utility make it entirely practical for use in our modern homes.

Kensington reproductions are authentic in every detail of design, and retain through the furnishings the character and the decorative quality that are the charm of the antique.

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The New York Market

New York was a rich market in Colonial days for both imported and locally made furniture. Of course, many Dutch chairs brought over in the New Amsterdam days, and as early as 1660, five years before the arrival of Governor Peter Stuyvesant, the Burgomasters of Amsterdam had stipulated that the West India Company should give colonists going to America suitable transportation with their families and household furniture and other necessaries. The Dutch chairs brought over in the early days were painted black, with rush bottoms, jar shaped slats, and bow-shaped top rails. The legs were turned and they terminated in the characteristic hoof feet. While oak chairs were still the most generally found in the South, other woods were employed for the chairs brought into New York or possibly made there. Probably the eighteenth century work, twenty-four single-nailed and twelve double-nailed leather chairs which Captain Kidd acquired in 1697 through marriage with John Ort's widow were of the old type; by 1690 the bombe lines and cabriole legs had superseded the more stately oak chairs of the earlier days of life on Manhattan Island.

From 1700 until the Revolutionary War, New England locally produced more furniture than she imported. At the dawn of the 18th Century the excellence of her craftsmen was known throughout the Colonies. In 1700, for instance, Edward Drinker, Jr. of Pennsylvania, journeyed all the way from Philadelphia to Boston to learn cabinet-making. Lynx, Marblehead, Salem, Newburyport, Bradford and other towns all had chair-makers who did a flourishing business. Even gentleman amateurs took a hand at the game as when the Rev. Theophilus Pickering built two chairs (perhaps more) for his Salem house in 1724, and when Benjamin Franklin designed his famous folding step-ladder chair for his library in 1761.

The New England chairs from 1700 to 1720 were mainly of the slat-back order and then till 1750 the black or white cane back chairs were very popular. Very little mahogany was used in New England as early as 1750 but maple had come into more or less vogue. American slat-back rockers came into vogue about 1725. About 1700 the banister back chair was introduced from England. Some twenty-five years later its Spanish foot was discarded and the balusters and uprights were flattened on both sides.

Early American Chairs

(Continued from page 58)

Dutch, and, later, French furniture into their communities, for they did not scorn European “wooden wares”. On the other hand they industriously produced pieces of their own, inspired by European furniture forms, but not lacking in definitely original local developments.

Native Woods

The abundance of woods at hand for furniture construction was put to good account in Massachusetts, Connecticut, Rhode Island, New York, New Jersey and Pennsylvania by the home craftsmen in Colonial days. The Massachusetts colonists encouraged cabinet-makers and chair-making. The early Massachusetts wainscot chairs were turned and carved, massive but along good lines, following the furniture of the England of the period, although dispensing with much of the carving of Charles I reign. Oak, ash, elm, walnut, maple, pine and red cedar were the woods at hand for the American chair-makers, and well they wrought. Early in the century the chair in Northern America was, more or less, a patriarchal prerogative, a seat for the head of the family, when he had time to sit down: the others, for the most part, had to content themselves with stools. By the end of the century chairs came into general use and wood workers multiplied. In Boston in 1680 thereabouts John Clarke, cabinet-maker, Ebenezer Savage, William Killcup, turner, and Thomas Stapleford, chairmaker were plying their honorable trade. Not only were there chairs for grown-ups, but children's chairs became common articles of furniture in New England homes.

In the later years of the 17th Century black walnut began to replace oak in the construction of chairs. By the end of the century rigidity in design gave way to the influence of less formal lines. Seats of rush, reed, slats, and other necessaries. The Dutch chairs brought over in the early days were painted black, with rush bottoms, jar shaped slats, and bow-shaped top rails. The legs were turned and they terminated in the characteristic hoof feet. While oak chairs were still the sort most generally found in the South, other woods were employed for the chairs brought into New York or possibly made there. Probably the eighteenth century work, twenty-four single-nailed and twelve double-nailed leather chairs which Captain Kidd acquired in 1697 through marriage with John Ort's widow were of the old type; by 1690 the bombe lines and cabriole legs had superseded the more stately oak chairs of the earlier days of life on Manhattan Island.

By 1750 English and other chair-makers, cabinet-makers, joiners, and carvers were establishing themselves in New York and also in Philadelphia. Mahogany, though very expensive, was coming into use. The Dutch taste, so popular in England was naturally (Continued on page 108)
Beautiful Pictures

do not always possess artistic quality and many pictures considered artistic have little or no beauty of subject. In our collection, made up exclusively of Paintings by American Artists will be found the rare combination of Pictorial Beauty and Artistic Quality. We invite inquiries on any phase of American Painting as applied to home decoration.

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622—Desk block, 15 inches high, $6 pair.

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263 Riddle Building
Toledo, Ohio

EARLY AMERICAN CHAIRS

(Continued from page 106)

One of the most interesting developments of the mid-18th Century in American furniture was the Windsor chair. Although its origin is unknown, probably its history begins in the English countryside, and that examples of the English forms inspired American chair-makers to adopt and to improve upon it. By 1745, the Windsor chair was firmly established in Philadelphia and by 1760 was popular in New York, New England, was a favorite with the English during the American Revolution. In 1776 the Philadelphia newspaper carried an advertisement for a Windsor chair, which was then advertised in the best works of Duncan Phyfe of New York.

In 1776 the Philadelphia newspaper carried an advertisement for a Windsor chair, which was then advertised in the best works of Duncan Phyfe of New York.

The influence of Duncan Phyfe's work is found in the best American chair-making of the early 19th Century, an influence to be noted in the work of James Monroe brought home with him from France twelve chairs in Empire style. From 1810 on the taste for expensive furniture supplanted the taste for Sheraton pieces. Duncan Phyfe and other craftsmen helped foster this taste and it is still reflected in the development of the “American Empire” pieces, rampant in furniture from 1830 to 1840, so often referred to as the best of the first water.

As the 19th Century grew, furniture-making extended over the land. Dwight Clinton was writing about the industrious chair-makers of Canandaigua, New York, as early as 1820. In this year, also, that someone discovered the advantage of lengthening the arms and seats of the Windsor chairs by a rear extension which added to their safety. The frequenters of the 19th Century summer resorts should erect a monument to the memory of this unknown benefactor.

With this mid-19th Century our little flight into the lore of American chair-making may come to a pause as we shall find ourselves once more in the strange chair to his friend George Read (signer of the Declaration of Independence). In 1791 Alexander Hamilton was insisting that American “cabinet-work” is generally made little, if at all, inferior to that of Europe. Expansion of American made pieces was considerably extended. In 1798 the Philadelphia Book of Prices covered many more entries concerning furniture, and therein, we may derive some idea of the importance of which chairmakers had then attained.

The “Fancy” Chair

About 1797 William Challen, formerly of London, but then established in New York, introduced what was called the “Fancy” chair to America. These were black, white, and gild fancy chairs, in 1817, As Holden of 32 Broad Street, New York was advertising “chairs of any fancy” in his shop on the corner of Water and New Streets.

The “Fancy” chair was generally made little, if at all, inferior to that of Europe. Expansion of American made pieces was considerably extended. In 1798 the Philadelphia Book of Prices covered many more entries concerning furniture, and therein, we may derive some idea of the importance of which chairmakers had then attained.
GARDEN FIGURES

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The fountain illustrated here is priced at $137.50 (F. O. B., N. Y.) for house or lawn. Stucco over wood. Water-proof. Brilliantly hand-painted. Choice of three designs—Hunting Scene, Old English Coach or Jorrock's Design. Size 16 x 12 x 5". Delivered Price only $15.00.

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HOW to CHOOSE a HEATING SYSTEM

THE HEATING SYSTEM is as essential to a home as the foundation, and whether the family lives in comfort or discomfort exists, for six months or more during the year, is determined by the correct functioning of this highly important part of the household equipment. Every one wants comfort and there always is a "best system" to provide this condition. There is always a reason for the remark that is so often overheard, namely, "I'd never live in that house of Jane's, it is never comfortable." One or more of several causes may be responsible, including a faulty design or operation, inferior materials or construction conditions of an unusual character.

Haphazard rules have had full sway in the selection of house heating systems, as the previously mentioned statement attests, and the only safe rule for choosing the right method of heating has been lost sight of or ignored, namely, economy of operation. A mistake in the choice of the heating plant is never ending in its penalties to the person who must live in the house, and a remedy is possible only with considerable expense.

Profiting by the mistakes of others and observing a few simple rules will assure the home builder permanent comfort, better health, and an increased value for his property.

THE HEATER'S PURPOSE

A heating plant's efficiency or ability to maintain a comfortable temperature under all conditions is determined by the selection of the proper heating medium, design of equipment, installation and operation, size, type, location and construction of the house. Every house is a separate problem, so that brick, frame, hollow-tile, or stucco buildings require different treatment, and special consideration must be given to structures of compact or rambling character.

Matters of practical design may well be left to the architect or heating contractor, who make a specialty of this work, but it is best to be assured of a maximum temperature of 70° in the house, when it is zero or below, outside. This matter should be handled in accordance with local conditions. It is a mistake, when planning to build, to arbitrarily set an amount for the heating plant as a whole and then make the bid for the work come within that figure. A better plan is to have bids submitted on a uniform basis, the bid submitted on a uniform standard of material, for while all heaters may look alike, there is as much difference in their quality as there is in automobiles. The lowest bid might well be the subject of greater suspicion than the highest.

THE FOUR METHODS

Four methods of heating are recognized as being the best for homes and in the order of the initial cost they are: 1. Warm air, steam, vapor-vacuum and hot-water. Each has its merits in specific cases and bearing in mind the economy of operation should be the basis for selecting the plant, the particular advantages of the four systems are:

1. Warm-air—lowest initial cost, clean, healthful heat, easily adjustable to wind and changing weather conditions.
2. Steam-powerful, quick responding heat, suitable for almost every building easily regulated and flexible.
3. Vapor-vacuum—steady, perfectly controlled heat, economical and noiseless.
4. Hot-water—most economical in fuel consumption where unvarying temperature is required for long periods, noiseless in operation.

In comparing the various systems, it is evident that, where intermittent service is wanted, the warm air furnace is the most satisfactory, for, when a fire is started, heat is immediately available. It is also preferred by some people because they have used steam and hot-water systems, are unsightly. Better ventilation and humidity control is possible with furnace heat, room registers are small and inconspicuous, operation is noiseless and efficient.

Steam, vapor-vacuum and hot-water heating systems will operate for longer periods of time, take less attention, and be more efficient than is shown for equal results they show greater coal economy, though care in operation will largely govern this important factor.

Smaller pipes and radiators are used with steam and vacuum plants than with hot water, while relatively lower temperatures are possible with vacuum and hot water plants than with steam.

The successful operation of the warm air system of heating depends upon the natural laws of heated air rising and cold air descending. It consists of a heater enclosed within a sheet of iron casing, a supply connection for cold air, leader pipes to convey the warmed air into wall stacks and radiators, and warm air circulating in the rooms overcomes the heat losses from windows and walls.

THE HEATER AND FURNACE

A furnace's efficiency is determined by the amount of heat energy it will supply in a given time, and the success of the whole system depends upon the scientific proportioning of the various parts. In this connection the area of the cold air supply duct should be equal to the area of the air pipe of the furnace, in order to furnish an adequate volume of air to the heater. It is customary to take air from three places, namely all from outside, all from inside or part from each place. The latter two methods show great savings of fuel over the first method as the air can be more quickly heated. When an inside supply or the recirculation method is used, air is taken from the coolest part of the house, such as a hall.

In the heater proper, the relation of the grate surface, heating surface, size of fire-pot, ash-pit and of air passages, is important for satisfactory service. A large grate surface and small heating surface would mean burning a great quantity of coal, a large fire and a weak flow of air to the rooms. Grates and fire-pots constructed for the purpose of burning coal and the proper burning of the gases, so that all of the available heat units are utilized and put to work. Tight joints between the castings are of the greatest importance, so that there will be no possibility of dust or gases to filter into the warm air chamber. A generously proportioned ash-pit assists the grate, as it saves grate labor and promotes a better air supply for combustion.

In placing the furnace, preference should be given to a location in the center of the house, and in piping, favor should be shown to the north and west sides. Pipes and stacks should be pitched and shaped so that the flow of air will not be retarded and upper floor wall stacks should be run up inside walls so wind and other weather conditions will not affect the circulation of air. Registers should have free area in proportion and should be able to be closed so that they will not catch dirt and spoil the quality of the air supplied for heating.

With the average house construction of today, to maintain a temperature of 68° in zero weather conditions, a heating plant of coal per square foot of grate surface.
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Decorated To Order
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Men and Women alike appreciate the convenience of the Footwear Valet
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Order from this ad at once. Send check or money order for $6.50 and rack will come to you quickly by express. Money refunded if not satisfied.

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Price $6.00, with lock and key $6.50 Postpaid
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(1) Has large bread Table Top (20 x 30 in.)
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Hang the doors McKinney-fashion

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Doors easily operated, an entrance really artistic—not only the garage just building can have this requisite, but it is readily added to your present garage, at slight effort and little cost. Leading hardware stores sell McKinney Complete Garage Sets for only a trifle more than ordinary hardware unassembled!

McKinney MANUFACTURING COMPANY
Pittsburgh

McKINNEY Complete Garage Door Sets

How to Choose a Heating System

(continued from page 110)

The same kind of boiler is used with the vapor-vacuum system, which can be used in practically the same places as steam. It has a quicker response than steam, has the same flexibility and the further advantages of being noiseless in operation and able to maintain a more even temperature. By eliminating the air from pipes and radiators, vapor will be generated at a lower temperature and with no pressure to contend with an immediate and more rapid circulation results. Piping for a vapor-vacuum system is not as large as for steam or hot water and the small additional cost over a steam system, for a few more fittings is negligible.

In first cost this system of heating stands between steam and hot water.

Hot water heating has the advantage of lower temperature as an even level. Its demand on the coal bin is small and its operation is without noise. A good boiler, connecting with a piping and radiator system properly sized and balanced is a most desirable combination and will give satisfaction for it is easy to operate and can go for considerable periods without attention.

It is in homes where it can be carefully operated for the pipes and radiators are filled with water at all times, and should the fire went out for a rather long time, during severe weather, a freeze-up might occur that would cause water damage to floors and walls as well as to the radiators and pipes.

Savings Coal

Coal can be saved in good quantities, if boilers and cellar pipes are insulated. When high priced fuel is used, careful attention to firing will also show surprising results over the period of the heating season. It has been found that the average efficiency of well designed and in. stalled and experience will teach the peculiarities of each plant. All things being in proportion, the items of fuel economy and service should dictate the choice of a heating system for the home.

A. V. HITCHCOCK
The world-wide use of Crane products under varying and difficult conditions for upwards of sixty seven years, is an indication of the universal acceptance and approval of Crane standards of design and quality.

Since 1855, Crane engineers and designers have labored to promote the progress of the various industries and arts which Crane products serve. The Crane name on valves, fittings and piping specialties used in industrial power, refrigeration, water, oil and gas installations, has become the mark of uniform and dependable quality.

This prestige extends to Crane sanitation and heating fixtures for the home. Meeting the needs of the smallest dwelling, Crane equipment also satisfies the exacting requirements of great town and country houses, towering office and apartment buildings, huge hotels, hospitals, schools and clubs.

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CRANE, PARIS

Globe Valve No. 1-B

Radiator Valve No. 120
FROM this first imaginary ding, dong bell of Mother Goose days ringing fine frenzy for pussy's rescue, to the noble, mellowed tones of "In Memoriam," much of our poetry—all our life—has been measured by Bells.

Did men get the motive of Bells out of the garden? The reader knows much better than we do how the glorious "bells" of Lily of the Valley surprise during the happy May days; how the still more glorious Easter Lily "Bells" turn the June garden into a veritable fairyland; how throughout the summer the Canterbury Bells ring benedictions of a slowly maturing season.

All these bells stand for "nature-in-bloom" and yet, they also carry the subtle message that, with their disappearance, we are approaching the season's end, the period of rest, slumber. Whatever other message they may have carried, give thought to those most intimate and dear to you, so that the future years may hold for them happy bells, in the garden as well as in daily life.

The Prudential Insurance Company of America

Edward D. Duffield,
President

Home Office, NEWARK,
New Jersey

IF EVERY WIFE KNEW WHAT EVERY WIDOW KNOWS—EVERY HUSBAND WOULD BE INSURED
"It should not be forgotten that the vast majority of the objects turned out from Wedgwood's factory belonged to the class which he designated 'useful ware'. For their complete adaptation to their intended uses, perfect regularity in form and substance were most desirable qualities. Dozens of his plates can be piled up without exerting unequal pressure. The lids of his jugs and tea pots fit perfectly; his handles can be really held, his spouts pour. Thus while in the domain of fine art mechanical perfection often proves incompatible with vitality of expression, it is otherwise in the case of work which lacks its full measure of utility if it be not wrought with careful finish."


Cream colored ware, or, as it is generally called, "Queen's Ware" was brought to a high degree of perfection by Josiah Wedgwood more than a century and a half ago. It is to be had today in many of the original designs, and the skilled hand-processes employed in its making remain, for the most part, unchanged.

"Queen's Ware," like many other Wedgwood products, has been widely copied and imitated, and the purchaser should not fail to see that the ware is stamped with the genuine mark of Wedgwood.

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Few things give so distinctive a note to a room as a genuine reproduction of some old American piece, or one carrying the flavor of historic interest.

For instance, the chair on the left is an exact replica of one made for Thomas Jefferson, and on the right, the chair used by the poet Oliver Goldsmith at his desk.

Here, as in all modern pieces or period reproductions under the trademark of Elgin A. Simonds Company, one will find truly excellent value. — To be found at all good dealers.

Suggestions on interior decoration will be sent to you upon request for our illustrated booklet "H."

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Inevitably those who appreciate the value of living well, realize the benefit of cheerful and efficient kitchens. For 38 years Roper has fulfilled the highest expectation of those fortunate thousands whose choice is dictated by the keenest discrimination. This record is at once a pride and a responsibility. But it is responsibility in perfect harmony with Roper ideas and ideals.

Measuring up to the higher standard of efficiency and convenience attained by exclusive betterments, is the distinctive beauty which captivates and charms.

Roper Gas Ranges for every purse and purpose—$35 to $300. Roper Recifile of tested recipes sent on receipt of 35 cents.

GEO. D. ROPER CORPORATION, Rockford, Illinois

### The Characteristics of William and Mary Furniture

(Continued from page 88)

Marquetry was often employed on cabinet and table decoration in this period. This sea-weed design is splendid.

Back: High backs typical; straight, slightly raked or shaped. Entire frame filled with openwork carving, or caned panels with detached supports; upholstered; upholstered.

Arms: Curved or straight.

Seat: Nearly square, narrower at back, upholstered or caned.

Leg: Turned in characteristic inverted cup, pear shape or spindle. Scroll, spiral, molded, octagonal, carved, Flemish scroll.

Foot: Bun, ball or hoof. Flemish or Spanish scroll.

Mounts: The elaboration of metal mounts reached its zenith in this period, as illustrated by the beautiful example of a key plate on a red lacquer cabinet, shown at the top of page.

On the high-backed chair shown below, the carving resembles the clean cutting of the goldsmith's work. Note the characteristic cresting which covers the entire chair top, instead of being fitted inside the projecting side supports as with Jacobean types. Note also the scrolled leg, set sidewise, foreshadowing the cabriole leg typical of the following period, Queen Anne.

The miniature cabinet on page 86 is of typical rectangular construction with panels and moldings. The apron below the cabinet is broken with a pointed arched cutting, the shape of which is repeated in the front and sides of the flat underbracing near the floor. Characteristic vase or trumpet-shaped turned legs, and bun feet below a slender support are shown in this piece. The mounts are interesting and conspicuous.

In the two views of the armchair shown on page 86 one can see the finely caved "mirror backs", so-called because framed like a mirror, are ornamented with exquisite carved acanthus leaf motifs, which also decorate the scrolled arms, with their vase-shaped turned supports. The underbracing, curved and crossed below a turned finial, recalls typical Italian Renaissance models. The legs are turned and the feet bun-shaped.

The cabinet shown above has marquetry in the scrolled "sea-weed" design which is evidently derived from the scrolled acanthus leaf and stem.

(Continued on page 116)

The cabinet above has marquetry in the scrolled "sea-weed" design which is evidently derived from the scrolled acanthus leaf and stem.
BUT it is the interior qualities of a Smith and Wesson revolver, not its outside appearance, which justify its reputation as "Superior."

Any dealer will let you thoroughly examine one. Only then will the dependability and accuracy of the arm be apparent. By comparison, you will also realize why it costs slightly more than others.

SMITH & WESSON
Manufacturers of Superior Revolvers
SPRINGFIELD
MASSACHUSETTS

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No arms are genuine Smith & Wesson Arms unless they bear, plainly marked on the barrel, the name

SMITH & WESSON, SPRINGFIELD, MASS.

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NEW PERFECTION Oil Range with SUPERFEX Burners

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To suburban and country homes it brings at last the longed-for speed of gas. In the town house it affords the added advantage of a fuel costing less than eighty-five-cent gas.

Let your dealer demonstrate how the powerful SUPERFEX Burners answer the speed-call, then look at the other features (many new this year) that fit this range for year-'round use in the finest homes. Priced in numerous models at from $36 to $145.

In addition to the new SUPERFEX Models our long established Blue Chimney Models of the NEW PERFECTION line used in 4,000,000 homes, continue to be the world's most satisfactory oil stoves at their lower range of prices.

THE CLEVELAND METAL PRODUCTS CO.
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MORE and more the newer homes—from tiny bungalow to smart apartment and stately mansion—are being planned with Vanishing Doors in place of old-fashioned swinging doors. Vanishing Doors save space by permitting furniture to be placed on either side of the doorway, abolish the unharmonious effect of doors opening into rooms of conflicting finish, and prevent painful door accidents. Because they cannot blow shut, Vanishing Doors may be left open for ventilation at any width desired.

When hung on R-W Vanishing Door Hardware, the door to any room, closet or pantry disappears easily and silently into the wall. The adjustable ball-bearing hangers prevent sticking and thus save after-expense. Vanishing Doors not only insure greater privacy but vastly improve the appearance of both rooms and doorways.

The adjustable ball-bearing and thus save after-expense. Vanishing Doors may be left open for ventilation at any width desired.

When hung on R-W Vanishing Door Hardware, the door to any room, closet or pantry disappears easily and silently into the wall. The adjustable ball-bearing hangers prevent sticking and thus save after-expense. Vanishing Doors not only insure greater privacy but vastly improve the appearance of both rooms and doorways.

The main water supply, of whatever hardness it is, passes through the main pipe as it enters the house, then it goes into the water softener and, without extra chemical pumping or furbelows, flows through your faucets as soft water. It is simplicity itself.

Probably more water is used in the kitchen and laundry than in any other place in the home. It is here that our water supply is put to the test. A soft water installation will save your soap bill, to say nothing of your time trying to make a lather. If your water is soft, because all textile fabrics are rendered usable after they are soiled. Therefore much soap and plumbing are used in these two departments. When you use soap with hard water, a soap curd is formed and you waste the soap, your temper and your time trying to make a lather. If your water is soft, you will save 50% of your soap bill, to say nothing of your hands which we will discuss further on.

Beside the soap waste, you will have to scrap out your kettles because of the lime stone lining that it forms, and you will have to scrap out your boiler, for even when you have the most modern installation of pipes and plumbing you will have no comfort if they become clogged with solid lime or whatever your "promiscuous" water supply has attached unto itself.

So not only in the kitchen itself but throughout your whole house you will save much in plumbing bill by the fact that your water softener in your cellar is carrying on its marital exchange with the least possible expense and no noise. In fact if you have diverse courts would likely do well to pattern themselves upon this quiet and courteous exchange of water and soft water.
Don't build your home without considering

Frigidaire
THE ELECTRIC REFRIGERATOR for MODERN HOMES

When you build your new home is an ideal time for you to consider Frigidaire.

Then you can do away with the necessity of planning and building a place for a refrigerator, which often saves considerable expense. Frigidaire can be placed anywhere in the home at the convenience of the housewife rather than the convenience of the ice man. Moreover, Frigidaire can be put right into the plans and specifications and financed along with the entire house.

Frigidaire is just as important a piece of modern home equipment as the vacuum cleaner or the washing machine. Indeed, is even of more importance because it affords increased safeguard for the health of the family. Frigidaire can be operated on your home electric current at a cost usually much less than ice—but it does more than ice can ever hope to do in that it keeps a temperature constantly below 48°, provides a dry atmosphere and thorough cleanliness—the only proper conditions for the healthful preservation of food. Of course, it does away with all of the muss and nuisance of ice.

Plan to have this up-to-date, superior method of refrigeration in your new home. Write today for booklet H.G.7

DELCO-LIGHT COMPANY
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For Garden Furniture
Of Course, FISKE

FOR the days and evenings in the garden this summer, have you enough of those conveniences which make your garden a place of pleasant leisure—metal garden furniture made by Fiske?

And is your garden fenced the Fiske way—that is, for beauty as well as protection? This fencing is not only made by Fiske, but made as only Fiske's generations of experience can make such fencing—rust and weather-proof.

Fiske makes garden furniture of every kind—tables, chairs, benches, fountains, each in a wide variety of designs and all at very modest prices. Fiske Panning and ornamental gates are equally varied in design and rational in price.

For the Month of Roses
—An Arbor, made by FISKE

There is still time to get your rose arbor.
And what could add more to the charm of your garden than an arbor of roses?
Fiske arbors have the advantage of being both rust and weather-proof.

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No matter where your home is located, you now can have an abundance of running water, under pressure, for house, outbuildings and grounds. There is no need longer to endure the annoyance of an inadequate water supply or make-shift methods. The Fairbanks-Morse Home Water Plant provides plenty of water wherever and whenever you want it. Simple, easy to install, economical to operate and completely automatic.

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Chicago
June, 1923

Does Cypress "The Wood Eternal" Last?!

Study These Photographs of an "Ingrowing Fence"
WITHOUT A NAIL OR PEG IN IT.

Below is a glimpse down a country highway ("de big road," as Uncle Remus called it) near Monroe, Louisiana. That fence has no posts. It was built by forcing split Cypress boards between saplings. This occurred so many years ago that nobody knows when it was, nor who was the labor-saving genius who did it. Then the trees grew, and grew, and grew.

NOW, PLEASE, study the larger photograph and see in detail how the fence looks today. Note the size of the tree, and how deeply are embedded the ends of those old Cypress rails—no one can tell how deep they extend in. Note, also, how weathered they are, yet they ring true and sound under a hammer as though just hewn. Were those old Cypress boards somebody's money's worth? Why should not YOU do as well with your lumber money—whether you are building a beautiful home or just patching up the old place? (USE CYPRESS.)

"Build of Cypress Lumber and You Build but Once."

It is possible that we might have a booklet you could use to advantage—we have 44 of them in the internationally famous Cypress Pocket Library. Volume 18 contains complete specifications and FULL-SIZE WORKING PLANS to build "California bungalow." It was designed especially for us and our friends by one of America's cleverest architects, who knows how small homes should be. You will be delighted with it. Write for this FREE VOLUME 18 today.

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Your frame house can be made practically fire proof by protecting the vulnerable points with Kno-Burn Metal Lath.

Incombustible plaster, laid over this diagonal steel mesh, makes a fire-resisting wall that will bar the path of the hottest flame. Such construction has been given a one-hour fire rating by the Underwriters' Laboratories.

Your ceilings and walls won't crack if you use Kno-Burn METAL LATH
"The steel heart of plaster"
instead of ordinary lath. You can enjoy that pleasure and pride in your home's perfection for years and years. Free from cracked plaster and falling ceilings, your upkeep cost is lower.

Information for prospective home builders free in booklet form. Better be safe than sorry. Write for it today.

Ask Your Builder or Architect to explain how Kno-Burn Expanded Steel Mesh reinforces the plaster in all directions and prevents cracks. How, stuccoed over Kno-Burn steel, is best for safety sake and reduces fire risk. Or send for free booklet that explains in every detail.

NORTHWESTERN METAL CO.
1237 Old Colony Bldg.
Chicago, III.
SOLVING THE HARD WATER PROBLEM
(Continued from page 116)

family say, "How tender these peas are!" Buy the finest vegetables and condiments according to the best authority, and yet you cannot beat the ravages of hard water on their delicate tissues and still have an epicurean result.

Furthermore to a slight degree the color of vegetables deteriorates in water that is hard, so why handicap your work by poor materials?

LINENS
Now for the laundry. A very large hotel system and this will seem incredible, decided to try an experiment and find out whether soft or hard water had the best effect on the durability of linens, napped, blankets etc. After a period of one year, experimenting with water softeners, and the gathering up of data and comparisons in about ten of its hotels, it was found they had saved, by the use of the softeners, 14.5 % of repurchase cost for household linens, napped, bed clothes, etc. etc. etc. Why? Simply this: The soft water carried no mineral to form soap curds that plug the fibres of the fabric, which when immersed actually broke into hardness, and of course, wherever the matter is folded the stone (formerly the soap curd) battles against the insult and for its humanity breaks through as would a spear, the fibre of the fabric. Thus you can see how the longevity of a piece of cloth or any fabric depends on the way it is washed and, as water is the main solvent not only in the home but in Industry and in the laboratory, the moral is certain: She who uses hard water is lost, but she who uses soft water is fortunate. Some people wonder why their linens crack and why their blankets are so hard and unyielded after washing. Many times, of course, not always, hard water is the basic cause. So it behooves you to find out a thing or two about your water supply. Doesn't it?

SAVING YOUR SKIN
The use of soft water is not only an economy in saving, pumping and kettle costs and waste in bad cookery, it is also a saving in health. When you wash in hard water and use soap, the soap curd forms and stops up the pores. Now you know when the pores are clogged up part of the bodily vellus are closed, the waste material cannot get out and you may become ill in some way or another. The classic example of disaster to the pores is found in the story of the page in Florence, I think, in the times of the glory of the Popes and Dogs. There was to be a great religious glorification and to this end a little boy was gilded from head to toe to imitate an angel. Shortly afterward the child died because of the stopping up of his pores with mineral matter. Of course, this is not so dramatically the case with hard water, yet you will get the point that if clogging all the pores lead to death, a slight clogging will leave ill effects, probably ugly skin and a bad complexion.

Cosmetics help the skin but hard water acts as a retardant to the best of cosmetics.

To bathe babies in hard water would be to start them wrong, because their sensitive skins should be treated with best materials.

There is no doubt that soft water in the shaving process as well as in the laving of the face makes the face feel better and look better. The fact is that plenty of the facial upheaval, pimples and blackheads, are due to the ravages of the pores. Why then do you want to plaster over the vent holes in your skin to make an inhospitable world uglier? For there are few things so ingratiating in man, woman or child than pleasant-to-behold skins! And as for the roughened hand... ! All the rubber gloves and salfes and lotions cannot make up for the inconvenience of hard water coming into the house and coating it with discomfort.

You know, I feel sure, that the refrigeration which is done without ice is due to the process of evaporation. You know that when you feel water leaving your hand, or in other words, when your hand is drying, you feel cooler. Now suppose those pores are closed by the generosity of hard water leaving you with its permanent souvenir of soap curd? You cannot change it in summer because the perspiration will not pass off through the strung-up pores, and you get that sticky, money feeling, an unnecessary addition to the list of hot weather aigones.

In the shampoo, even as in silks and fabrics, the soap curd again makes the hair story and when it is brittle, it breaks and cracks. Most hair dressers, establishments and barbers know these things and are careful to have their hair treated by a soft water system.

The soft water supply is better than rain water because it is drinkable and it is freed from all impurities. It can be installed as sister companions at the same time.

Therefore, before you build have your water supply tested and analyzed. If you are on a hard water system, put some water in a bottle, tightly sealed, and pack it safely and send needs correction, but it does and will keep its transparency. If it is a public water supply, ask the water authorities the correct procedure of testing. If it is your hand, or in other words, when

To summarize
To give you a birdseye view of a water softener's great charm briefly, here it is:

- You will save 30% - 60% in soap.
- You will save 50% in the cost of household linen and napped.
- You will save untold money in plumbing bills.
- You will save money in kitchen pots and pans.
- You will save your skins and your health.
- You will lessen engine trouble in your chumper.
- You will preserve comfort, energy and time.
- You will save babies' skin and health.
- You will save the finer properties of your foods.

And best of all you will not need to cogitate on the fact that all your expenditures for foods, utensils and piping are not in every way perfected while.

It is hard to think that water our benefactor can be a bane, it is hard to think that this elemental everyday God sends needs correction, but it does and the only way to do it is to soften it.
Iron Garden Chair
An original XVIII Century Iron Garden Chair.
Accurate replicas may be had.
11 East 54th Street
New York City

I N perfect harmony with the cheerful, sunny out-of-doors are these light and airy lace curtains for summer. Made of Fine Drawn White Voile, finished with 3-inch ruffle in Blue, Yellow, Rose or Green Voile, 2½ yards long, 39 inches wide, with bands to match.

Curtains and bands, per pair... $6.75
Valance of Colored Voile, each... 1.85

We shall be pleased to quote prices on other sizes made to order.

Write for our Illustrated Booklet No. 62
DEPARTMENT OF INTERIOR DECORATION

M. Gibbon & Co.
3 West 37th Street - New York
NEAR FIFTH AVENUE

A Gift for Future Years
T HROUGH the years she will cherish it, as its delightful mellow tone responds to the touch of her fingers. And the Brambach Baby Grand is equally as appropriate, whether her home be a small apartment or a pretentious house, for this charming instrument requires only the space of an upright piano. The Brambach is sold by leading dealers everywhere. Mail the coupon for Brochure and pattern showing the space the Brambach requires.

At the cost $635 and up
plus freight

THE BRAMBACH PIANO CO.
645 West 49th Street, New York City

Please send me paper pattern showing size of the Brambach Baby Grand.

Name:
Address:
Slate Meets These Insulation Extremes

The protection of electrical slate is as essential in the tiny bungalow as on the mighty "Leviathan"; the office building, the factory.

Because slate possesses unusual mechanical strength, does not discolor, is readily worked into any size and thickness and insures uniform appearance and insulation, it is the preferred material for all electrical protective purposes. For mounting electrical control apparatus in homes or industrial plants there is no worthy substitute for slate.

So slate is used in great quantities by large manufacturers of electrical equipment and is specified for both small and large installations wherever a dependable non-conductor is needed.

Panel boards, switchboards, switch bases, and the like, when of slate, are safe, economical and enduring. It is unsurpassed for insulating walls and floors. Slate makes remarkably effective bases for electrolizers; table, floor and newel lamps, for which slate may be had in a wide variety of colors or as beautifully variegated as agate or onyx, with the added benefits of reasonable price, durability and protection.

It will be well for you to check up to see that your electrical equipment is properly mounted — on slate. When replacements are necessary your electrical supply dealer can furnish slate. In the meantime, may we send you our interesting booklet on the history and uses of slate? Please write for it.

Shelters and Bird Cages

The House & Garden Shopping Service Will Be Glad To Purchase For The Reader Any of the Articles on This Page If They Are Not Available in the Local Shops.
GRADUATION OR WEDDING GIFT

Governor Winthrop Desk

Who is there, among those who really appreciate fine furniture, that does not admire the beauty and Colonial dignity of a Governor Winthrop desk? This correct copy of the old original piece is custom built of selected genuine mahogany by skilled cabinet makers. It has a hand rubbed finish, dust proof drawers, two secret drawers and solid brass fittings. There is nothing finer made. We guarantee it as represented or money will be refunded. Sent on receipt of price or C. O. D. with $20 deposit. Plates of other antique reproductions on request.

38 Inches long, 20 Inches deep, 42 Inches wide.

This Is our Carefully boxed feature piece especially priced

WINTHROP FURNITURE COMPANY
185 Devonshire Street Boston, Massachusetts

YOU PAINT THESE BOOKCASES AT HOME

Ever wish for an attractive bookcase to put on the sun-porch? Or with the guest-room painted set? Globe-Wernicke extends the popularity of painted furniture to bookcases. These will protect your books from dust and dampness. They will grow, shelf by shelf. Ask for The Universal—unfinished—to paint at home.

Cincinnati

Cassidy Company
Incorporated
Designers and Manufacturers of Lighting Fixtures
Since 1867
101 Park Avenue at Fortieth Street
New York City
Ypsilanti Furniture is designed and made to fit charmingly into every room in the house. Whatever your furniture needs, you will find articles in the Ypsilanti line to completely satisfy them. The wide variety gives unmatched selection.

The Ypsilanti Line is now on display in the furniture show rooms of leading merchants in every city. We will gladly give the names of merchants near you.

YPSILANTI REED FURNITURE CO. (Dept. C) Ionia, Mich.
Largest Makers of Reed and Fibre Furniture

KAPOCK
Silky Sunfast Fabrics
for your draperies, furniture, walls

Raise the blinds and let in the summer sunshine. It cannot fade your KAPOCK draperies. Wash KAPOCK when you will and those gorgeous, lustrous colors remain as bright and beautiful as ever. KAPOCK, too, is economical. It wears so wonderfully and the double width permits of splitting.

Send 6c in stamps for window draperies "KAPOCK SKETCH BOOK" beautifully illustrated in colors.

A. THEO. ABBOTT & CO.
Dept. C.

Be sure it's KAPOCK. Genuine has name on selvage.
Inspired by the
Spanish Renaissance

THIS DELIGHTFUL WALL SCONCE reflects the glamour of the Cloistered Walks in the Monasteries of Fifteenth Century Spain.

Pictured for use in Groined Vestibules, Stair Landings, or Hallways of Caen Stone or rough plaster.

Coloured in Rusty Gold and Rusty Iron with time-worn Reds as relief; Cathedral Amber-toned Glass Panels and Antique Ivory Drip Candle.

Visit our Studios [where you may view a comprehensive Collection of artistic Fitments covering every lighting requirement.]

Prices on request
No. 32165
Height 11 inches

Robert Phillips Company, Inc.
Artisans in all Metals
Office and Studios, 101 Park Avenue, 40th St., New York City

For want of a nail
a temper was lost

THIS Lewis & Conger nail box keeps handy the hardware odds and ends that have a way of getting lost.

The box is of wood, neatly varnished and made with individual compartments for nails of every practical size, screws, hooks and picture hangers. In addition you'll find a hammer, screw driver, tack lifter, and small awl.

Put it into your service now. It will be handy when moving into a new apartment or summer home, when refurbishing your home or when repairing little damages in the garden.

Clip the coupon. It will facilitate your shopping.

LEWIS & CONGER
45th Street and Sixth Avenue
NEW YORK

"Nine floors of household equipment"

[Advertisement image with coupon]
It happened!

Down the road his beautiful closed car is on fire.

He may get back in time with Pyrene to save the car from complete destruction.

Used when the fire started, Pyrene would have put it out instantly.

Every time you go out in your own car you face the danger of fire.

Is it worth the risk to go unprotected when the small price of Pyrene will give protection against property loss and personal injury?

Sold by garages, hardware and electrical supply dealers

PYRENE MANUFACTURING CO.
520 Belmont Avenue, Newark, N.J.
CHICAGO ATLANTA KANSAS CITY

Necessary in every closed car

Pyrene SAVES 15% on your auto fire insurance premium
A New and Better Way to Keep Shoes

The "Twintrree" Shoe Hanger keeps pairs together off the floor in easy reach on closet door and preserves a sightly wardrobe.

It restores shoes to their original shape by the new principle of exerting spring pressure from arch to toe.

Ventilates to tip. Fits all sizes of high or low shoes.

For Women—Natural finish tips, silver lustre wire, set of four "Twintrrees," rod and screws, in box, $1.50.

Special Finish in dainty pink or blue enamel, set of four "Twintrrees," rod and screws, in box, $2.50.

For Men—Larger, natural finish tips, heavier silver lustre wire, set of three "Twintrrees," rod and screws, in box, $1.50.

Add 10c per pair to prices for West of Mississippi River. Above prices subject to change without notice.

The Twintrree Corp.
36 Murray St. New York

A New Book of Attractive Fireplace Designs

In response to numerous requests for fireplace designs, the Service Department of The American Face Brick Association has issued "The Home Fires." The book contains twenty attractive original designs, for which complete plans may be purchased for one dollar, and twenty-five reproductions from photographs of fireplaces designed by well-known architects. There is also a comprehensive article on "Proper Fireplace Construction," which tells how to build a fireplace that will insure complete satisfaction.

"The Home Fires" will be interesting and instructive to any prospective home-builder. Sent postpaid upon receipt of 50c.

AMERICAN FACE BRICK ASSOCIATION
1721 Peoples Life Building, Chicago, Illinois

Use Your Lawn This Year

Beautify it—make it a part of your home. First, surround your property with a Page Protection Fence. Behind this friendly barrier, develop garden and flower-plot, trees and shrubs in seclusion and safety.

A Page Fence makes your lawn a beautiful, livable place. All the family can enjoy its healthful happy hours without danger of intrusion.

This is fence time. Send for interesting, illustrated book, "FENCES For Protection and Beauty." A card or letter brings it. No obligation.

PAGE FENCE & WIRE PRODUCTS ASS'N
219 North Michigan Avenue, Chicago
This is a Tale

Now told by millions, in many tongues

Careful people of some fifty nations have found a new way to clean teeth. It means prettier teeth. It means prettier smiling. It means prettier faces. It means prettier home. It means prettier you.

It combats film

This method combats the film on teeth—those viscous coats you feel. Film is what makes teeth dingy. It clings to teeth, enters crevices and stays. It absorbs stains, then forms cloudy coats. Tartar is based on film. Film also holds food substance which ferments and forms acids. It holds the acids in contact with the teeth to cause decay. Germs breed in millions in it. They, with tartar, are the chief cause of pyorrhea.

Thus most tooth troubles are now traced to film. Old brushing methods could not effectively combat it. So tooth troubles were constantly increasing, and beautiful teeth were seen less often than now.

Two new methods

Dental science, after long research, found two ways to fight film. One acts to curdle film, one to remove it, and without any harmful scouring.

10-Day Tube Free

THE PEPSODENT COMPANY, Dept. 964, 1104 S. Wabash Ave., Chicago, Ill.

Mail 10-Day Tube of Pepsodent to

Only one tube to a family.

Delightful effects

The Pepsodent effects are delightful. One quickly sees and feels them. Even one week shows results which no careful person will wish to go without.

Send the coupon for a 10-Day Tube. Note how clean the teeth feel after using. Mark the absence of the viscous film. See how teeth whiten as the film-coats disappear.

The test will be a revelation. Cut out the coupon now.

This is a Tale

Now told by millions, in many tongues

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Send the coupon for a 10-Day Tube. Note how clean the teeth feel after using. Mark the absence of the viscous film. See how teeth whiten as the film-coats disappear.

The test will be a revelation. Cut out the coupon now.

But all houses do not call for an Elizabethan library and in a small country house a room of dark walls and sturdy furniture would be totally out of place. I have always thought a library done entirely in white would be unusually interesting. Walls, woodwork, floor and furniture painted white and at the windows heavy red and white striped silk curtains over white gauze silk curtains picoted in red. Think what a background it would all make for the books! And as the majority of books seem to be bound in red, the curtains would be an answering note. The chair seats should be done in Chinese blue brocades, with yellow, and the sofa in blue and yellow stripes. A Chinese rug in tawny yellow with blue figures would carry out the color scheme and bring another note of interest.

BOOK-LINED WALLS

The acme of luxury is a library with the four walls lined with books. If this is not possible, built-in shelves with slated tops placed at intervals create a pleasing, architectural effect and give the room an air of formality and permanence. Built-in shelves, however, are somewhat of a luxury and it is quite possible to have an attractive library without them. The logical place for bookcases is on either side of the fireplace. As the fireplace and its surrounding furniture is the main group in the room, the books should be near at hand. Besides, the fireplace and the overmantel become more important from a decorative standpoint when framed by rows of books. In the same manner a long window is more effective bordered on either side with long, narrow bookcases. Study the room carefully and plan the bookshelves before anything else. If they are not of the built-in variety, they should be so arranged as to create a sense of balance and composition, for if well placed and distinctive in design they will instantly establish the atmosphere of the room.

NECESSARY LIGHTING

The lighting of the library is most important. Avoid a chandelier and have plenty of base piles for lamps. The side fixtures should be so arranged as to throw plenty of light on the books. It is also a good plan to have a large electric torch near at hand for searching for books in remote corners. Any number of delightful effects can be obtained by different arrangements of books. One of the most restful is to arrange them according to size, starting with the tall books and sloping gradually to the shortest ones and then back to the high ones. This creates a rhythmic motion both unusual and pleasing. The collector arranges his books according to subject, the dilettante according to author and the decorator according to color. The first two systems mean a confused collection of colors and sizes, interesting but restless. It is when one arranges books according to the many tones of the bindings that unusual effects result. A good plan is to keep the dark heavy books near the door letting the bindings gradually get lighter towards the top—a gradual shading from dark to light. Or one might have a brilliant mosaic effect with bright blues, yellows and whites together, dotting here and there with a note of red or gold. The arrangement of books is one of the most delightful pastimes in the world. Not only can one gauge much of the character and inclination of an individual from a books in a house but also something from their arrangement. A mind neat and precise likes rows of books matched for size while one with a more inquiring, brilliant turn demands a daring display of color. The dullest of all arrangements is the one according to subject.

LIBRARIES FOR HOBBIES

The library is an intimate room. Here should be apparent the owner's most cherished hobbies. I once knew a ship collector who had a niche made in each bookcase to hold a prized ship model. Needless to say most of the volumes dealt with the lore of the sea. Around the walls were prints and engravings of ships and old ship's lanterns on the walls provided all the light. Another man with a passion for pirates planned his whole library around a miniature pirate group modeled by Dwight Franklin which he had set into the space above the fireplace. This room was living room, library and study combined. Plaster walls and dark woodwork, the vivid interest of the pirate group, some colorful prints of pirates and ships all toned in with the rich bindings of the books, for the man was a collector, and the deep crimson of the damask curtains. Here the rug was plain taupe, a thick chenille, soft under foot and sound absorbing. All the variety and interest in this room were provided by the books and the pirates. Libraries are more interesting when, in addition to the books, some taste or hobby of the owner is apparent in the decoration. This could be a personal photograph, autographed letters, old prints, cherished bibelots, that make the books a part of the room. Not to mention the many color and size combinations which make it a most cherished hobby. I once knew a ship collector who had a niche made in each bookcase to hold a prized ship model. Needless to say most of the volumes dealt with the lore of the sea. Around the walls were prints and engravings of ships and old ship's lanterns on the walls provided all the light. Another man with a passion for pirates planned his whole library around a miniature pirate group modeled by Dwight Franklin which he had set into the space above the fireplace. This room was living room, library and study combined. Plaster walls and dark woodwork, the vivid interest of the pirate group, some colorful prints of pirates and ships all toned in with the rich bindings of the books, for the man was a collector, and the deep crimson of the damask curtains. Here the rug was plain taupe, a thick chenille, soft under foot and sound absorbing. All the variety and interest in this room were provided by the books and the pirates.
Saves Hundreds of Steps Every Day

The Minneapolis Heat Regulator is appreciated for its convenience, as well as for the comfort it provides and fuel it saves. Every winter day it saves countless steps. No need to bother with dampers, drafts or valves. The "Minneapolis" automatically speeds up and checks the fire as required to maintain a uniform temperature; ends wasteful over heating and under heating. Automatically lowers the temperature at night and raises it in the morning. Quickly and easily installed. Write for booklet, "The Convenience of Comfort"

MINNEAPOLIS HEAT REGULATOR CO.
2700 Fourth Ave., Minneapolis, Minn.

The WHITE HOUSE Line
SECTIONAL UNIT STEEL DRESSERS

The above arrangement of WHITE HOUSE Dressers, (centered by a side Unit on left) and a Bedroom Closet (on right) is a combination well suited to the kitchen requirements of the modern sized home. The illustration itself suggests the exceptional utility of such a combination, but to really appreciate the endless little conveniences of efficient arrangements as well as the perfection of workmanship, and to realize the advantages of steel as against wooden construction you must actually see WHITE HOUSE Dressers.

WHITE HOUSE Dressers are entirely of steel, making them post-proof and odorless; the finish is white enameled, baked on. Soon in our showrooms, or write for our illustrated catalog on The WHITE HOUSE Line.

Janes & Kirland
Established 1860
133 West 44th St., New York City

This Lamp Puts the Light Where You Need it Most

You will find so many uses for the Adapt-A-Lite Extension —the dark closet, the remote pantry shelf, the floor lamp cord that is just too short—there are dozens of places where it will prove a true "friend-in-need" in your home. And there is no fussy cord to become tangled—the Adapt-A-Lite automatic reel keeps it neat and clean—reeled and protected like a window shade. The socket snaps into place when returned, to form a solid fixture as shown in the panel below.

Until your dealer has been supplied your check or money order for $3.50 will bring your Adapt-A-Lite by return parcel post. Please mention dealer's name.

APPLETON ELECTRIC COMPANY
1707 Wellington Avenue, Chicago.

SHAPCO SHIELDS
A protection that pays for itself many times

SHAPCO SHIELDS will save your walls, draperies etc.
SHAPCO SHIELDS MADE IN MANY STYLES GLASS, MARBLE, METAL TOPS

BOOK ON REQUEST
TRUE architectural design is enhanced with the use of long 24-inch "CREO-DIPT" Stained Shingles with wide exposure on side walls. The wide shingle effect and our method of staining shingles insure a true Colonial white effect. "CREO-DIPT" Stained Shingles in 15-inch length, colored weather-gray on roof.

Send 50c for fifty large Photographs of Homes of all sizes by noted architects.

Creo-dipt Company, Inc.

General Offices: 1012 Oliver St., No. Tonawanda, N. Y.
Factories: No. Tonawanda, N. Y., St. Paul, Minn., and Kansas City, Mo.
Sales Offices: Principal Cities

Leading Lumber Dealers Everywhere Carry Standard Colors in Stock

"Creo-dipt" Stained Shingles

Single, double, and triple, adjustable-length styles fit all windows, doors, curtains or portieres.

"Bluebirds" are artistically finished in Satin Gold or White Enamel. They are rustless, simple, economical, easily put up, and will last a lifetime.

You can tell Bluebird Rods by their patented "sag-proof" ribs. See that the ones you buy have this distinguishing feature. Ask your dealer.

"Bluebird"

Flat Extending Curtain Rods

H. L. Judd Co., Inc., New York

Makers of Home Accessories for Over 50 Years

Keep Your Home Cool and Free from Dust and Dirt this Summer

This free booklet tells you how

IT SHOWS you, in an interesting graphic way, the comfort and economy of MONARCH METAL WEATHER STRIPS—how they seal the cracks around windows and doors, prevent inleakage of hot, dust laden air, protect your hangings and furniture—and, in winter, how they save coal, stop draughts, etc. Send for this booklet today—Ask for "Comfort." A post card will bring it by return mail.

Monarch Metal Products Co.

4920 Penrose Street St. Louis, Missouri

Also manufacturers of Monarch Casement Hardware

Monarch Metal Weather Strips

You need not sacrifice comfort for country life

THE first essential of comfortable living in water under pressure.

Paul Water Systems supply private water service as dependable, economical and satisfactory as city service.

Paul Systems are perfected, automatic, self-contained, durable equipment operating with practically no attention, and adaptable to all requirements of service.

There is a Paul System for the tiny summer cottage or the big suburban estate—and every home between.

Paul Water Systems for Home and Farm

Every Paul System is Guaranteed

Paul Water Systems for Home and Farm

Send for this booklet on Paul Water Systems and information on efficient and fool-proof-water systems for any home installation.
Now She Likes Her Kitchen Work

THE atmosphere is clean, fresh and invigorating. There are no greasy fumes or objectionable cooking odors. Not the slightest suggestion of cookery passes the kitchen door. Her home is made clean and more healthful with the PORTABLE ILGAIR PANEL.

A new idea in a portable kitchen ventilator. You can install it in five minutes — hang on the window frame like a picture on the wall. Connects with any ordinary lamp socket. Costs but a few cents a day to operate. Manufactured, tested, sold and guaranteed as a complete unit.

See your neighborhood electric or hardware dealer for a demonstration, or write us for illustrated booklet.

ILG ELECTRIC VENTILATING CO.
262 North Crawford Avenue, CHICAGO, ILL.

For the New Home

Take your dishes off the table—put them in the sink—press the button—they're washed! Even doilies, napkins, and small articles of clothing are washed with ease in Sani In-The-Sink Electric Dishwasher. Sani In-The-Sink is a neat, efficient, now-a-days essential part of your kitchen equipment. It is the solution for all of your dishwashing problems — a perfected dishwasher built right in the sink itself. Just the thing for any home, old or new. And it costs no more to install than an ordinary, old-fashioned sink. Write for the free illustrated booklet that tells all about how Sani helps you wash the dishes.

Chicago Hardware Foundry Co.
San Sank Dishwasher Division
Dept. 16, 209 W. Randolph St., Chicago, Ill.

The Jewett Lasts a Life Time

When you purchase a Jewett Refrigerator you have made a lasting investment; each Jewett is designed to give a lifetime of service. And though the first cost of a Jewett is probably higher than any other refrigerator built — measured in terms of enduring trouble-free service, the Jewett Refrigerator is perhaps the least expensive refrigerator built today.

Food and ice compartments of glistening white porcelain 1 1/4" thick — solid, seamless — entirely free from dirt-collecting crevices and corners; and unlike cheaper porcelain enameled on thin metal, free from chipping and cracking. Safe-like walls over five inches thick, heavily insulated with pure cork and perfectly fitted doors. These are only the most obvious of the many points of Jewett superiority. Our new finely illustrated catalog covers them all. May we send it to you?

The Jewett Refrigerator Company
Established 1849
123 Chandler Street, Buffalo, N. Y.
Branch Offices: New York, Boston, Chicago, Cleveland, Los Angeles, Montreal

Win-Dor

Casement Window Adjusters

"Things You Ought To Know About Casement Windows"

Is the name of a booklet you are invited to send for. It tells the real truth about these once charming and practical of window types. It shows you the mistake of having had a window when it costs no more to have a whole one. Shows you why outswung ones won't leak; how they catch the breezes and throw them into the room. Why they don't rattle, and are easy to clean. How to screen, curtain, and put awnings on them. Likewise the unique way the unobtrusive little Win-Dor operator handle opens, closes, or holds them firm at any position. Send for the booklet.

The Casement Hardware Co.
220 PELOUEZE BUILDING, CHICAGO
Make certain of plenty of clear clean water for your children

Their health depends upon it. They need it even more than you do. A tub filling with crystal clear water is inviting. It helps form the wholesome habit of frequent baths.

With Anaconda Brass Pipe the tub fills rapidly with water as pure as it comes from its carefully guarded water source. No unsightly rust to discolor the water or internal pipe deposits to reduce the flow.

The added cost for rustless Anaconda Brass Pipe throughout a $15,000 house is only about $75 more than for inferior pipe that will corrode and clog.

Know the vital facts about plumbing. Our new booklet, "Ten Years Hence" tells the story. A copy awaits your request. Address Department G.

THE AMERICAN BRASS COMPANY

Anaconda Brass Pipe

This trademark identifies products of the world's largest manufacturer of Copper, Brass and Bronze.

The American Brass Company manufactures all combinations of Copper, Zinc, Lead, Tin and Nickel which can be wrought into sheets, wire, rods and tubes for manufacturing and fabricating Mechanical, Electrical and Architectural Construction.

A single organization is responsible for the entire process of mining, smelting and manufacturing, thereby insuring the utmost in quality at every stage from mine to consumer.

THE AMERICAN BRASS COMPANY

General Offices: Waterbury, Conn.

ANACONDA AMERICAN BRASS LIMITED

New Toronto, Ontario, Canada

Modern Wedgwood preserves its founder's tradition for technical perfection. Milk jugs are made to pour and lids to fit. The design is typical of original models.

BLACK WEDGWOOD

"I call him the Great Wedgwood." wrote Gladstone, years before the world of ceramics had acknowledged its master-potter. "That is the proper epithet for the greatest man who ever, in any age or any century, applied himself to the important work of uniting art and industry." To-day the Oriental craze, which Wedgwood's neo-classicism helped to displace, has come back in a flood, and Wedgwood's characteristic "elegance" seems almost strange to an age that values Slavonic art and negro sculpture. Nevertheless, Wedgwood's greatness stands fast, and it is the catholicism of modern culture that has brought us to a just understanding of his greatness.

Black pottery had been made in Staffordshire since the dawn of the 18th Century; Egyptian black, they called it. After firing, it became dense and hard as stone and black through and through—a peculiarity of Staffordshire which is rarely found elsewhere. Wedgwood saw in this stoneware material which he had perfected and renamed Black Basaltes. In the transmutation of Egyptian Black to Black Basaltes there was not much left for Wedgwood to do with actual ingredients. Elers, Astbury, Twyford, and other great potters had already made beautiful black ware. Wedgwood set about preparing the materials with characteristic thoroughness; the cleaning, sifting, grinding, and blending were carried out with scientific care and attention to detail, and the "fine black porcelain basque" that resulted was of a quality rare hitherto in Staffordshire (though "porcelain" it was not). It was fine and close enough in grain to be watertight, so the glazing was discarded with enormous gain in beauty; the surface warranted the old description "infant's skin," so smooth it was, and delicate, and the improved methods of firing brought it closely akin to the geological basalt. Of intense hardness, it resisted acids and heat; could be polished like agate on the lapidary's wheel, it struck fire with ease; and formed a touchstone for gold.

In this material, perfect alike in substance and color for his purpose, Wedgwood began on his creations that were to rival the masterpieces of classic art., and at the time (the mid-18th Century) the tide of fashion was turning towards the antique; the "Chinese taste" was ebbing. Wedgwood was speedily on the crest of the wave. No doubt his preoccupation with the classic idea was due to his sound commercial instinct for the popular taste. But it went immeasurably beyond commercialism, though he made money and fame thereby. He must have been a fortunate man thus

(Continued on page 156)
HIGGIN
ALL METAL WEATHER STRIPS

Read this Book--
before you weatherstrip your home!

EVERY door and window in every home should be weatherstripped for comfort, health, and economy of fuel. But not every type of weatherstrip is completely effective. This new book will show you why, and help you to choose the right type of weatherstrip for your home. It contains many pages of illustrations in color, and shows how Higgin All-Metal Weatherstrips are applied to every type of window and door.

Send for your copy today


Change your Window Draper often as you like using the same—

Kirsch CURTAIN ROD

Flat Shape—No Sag

Velvetone F inch
No Rent or Tarnish
Order Kirsch Curtain Rods, you can re­
secure any desired effect—and be sure of
rustless, metallic beauty.
Kirsch Rods come in lasting Velvetone brass or
Velvetone white filler—sturdy, flexible, attractive.
 Dowel Rods are made in both types. Each rod comes
in six sections, with extras of equal length, giving
one-eighth inch extra overlap for fastening together.
The Kirsch patented bracket is strong, simple
and low priced—guaranteed—made of open cast iron
with case and safety—won't ever come down accidently. Held by better design everywhere.
KIRSCH MFG. COMPANY
244 Prospect Ave., Newark, Ohio, U. S. A.

FREE Book of Window Draping Ideas
Our seventh annual edition, illustrating
up-to-date window draperies for every
room. Full information as to materials,
styles, etc., in a neat little booklet.
Kirsch MFG. COMPANY, 244 Prospect Ave., Newark, Ohio.

Remember to ask for Kirsch
The Original Flat Curtain Rod

Honor near Chicago, showing its "underclothing" of Cabot's
Quilt with furring strips over the Quilt, on which the outer
side finish is laid. Roof also insulated. Leon E. Stanhope,
Architect, Chicago.

Underwear for Houses

Underclothing makes people warm because it prevents the heat of their bodies from escaping. You can make your homes warm in the same way.

Cabot's Insulating Quilt

prevents the house heat from escaping. It insulates the whole house and saves the heat from the heater—that costly heat. It keeps the house warm on the smallest amount of coal; saves one-quarter to one-half of the coal bill. Makes the house comfortable for all time.

Preserves health and saves doctors' bills.

Sample of Quilt with full details, and referen­
ces to dozens of users, sent FREE on
application.

Kirsch MFG. COMPANY, 244 Prospect Ave., Newark, Ohio.

Samuel Cabot, Inc., Mfg. Chemists
8 Oliver St., Boston, Mass.
**The Kernerator Belongs In That “House o’Dreams”**

See that it’s in the plans! Then you’ve solved the refuse and garbage problem forever. All rubbish and garbage, dropped through the convenient hopper doors upstairs, is consumed in the brick incinerator in the basement. No upkeep—no fuel required.

Consult Your Architect or write for details.

Kerner Incinerator Company
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**Enjoy the Full Comfort of Your Porch This Season**

The porch enclosed with Vudor Ventilating Porch Shades is always hospitable and inviting. Guests and friends need no second bidding to share its cool, cozy, sun-decked corners. But you and the children will enjoy it most of all as a delightful place to live through the summer days and nights.

Vudor Porch Shades have become a necessity to homes of comfort and good taste—whether simple cottages or fine country or town homes.

Vudor Porch Shades are made of wood state beautifully stained in permanent colors—permanently. If you are particular for beauty they cannot see you. Ventilator woven in top—exclusive Vudor feature—assures perfect ventilation, quite like them for appearance, utility and comfort. Write for color Illustrations, prices and name of local dealer.

Hough Shade Corporation
261 Mills St.
Janesville, Wis.

**Promise and Performance**

COVER your house with Redwood shingles and siding. Specify Redwood for porch, window and door frames; for porches and greenhouses, fencing, railings, balconies and gutters. Then your frame house won’t require expensive repairs in a few years.

These unpainted Redwood fence pickets, driven into wet soil before the Civil War began, are still strong and sound above ground, at the ground level, and underground. They indicate the permanence of Redwood under the most severe service conditions—exposed to high winds, moist earth, fog and rain, high temperatures and low.

The natural odorless preservative which has protected these fence pickets for over 60 years against fungus decay and destructive insect activity safeguards Redwood lumber and mill-work. It gives you the best promise of permanency satisfactory performance. Costs no more than other wood of equal grade.

Before you build write for our “Redwood Homes Booklet.”

The Largest Manufacturers and Distributors of California Redwood

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**Twice the Beauty at Half the Cost**

That is what you get by Staining your Siding, Boarding and Timbers, as well as your Shingles, with Cabot’s Creosote Stains

Twice the Beauty—The strong, pure colors of Cabot’s Stains are transparent. They sink into the wood and bring out the beauty of the grain and texture of all kinds of lumber: siding, boards or shingles—with velvety depth and richness, as these photographs of the stained wood show. A “painty” coating would completely hide all of this natural beauty of the wood.

Half the Cost—Cabot’s Stains cost less than half as much as paint; and they can be put on more than twice as quickly, reducing the labor cost—which is much the larger item—by more than half. Shortage of skilled labor will not hold up your work, because your own men can apply Cabot’s Stains, or you can do it yourself.

Wood Thoroughly Preserved—Cabot’s Stains are made of pure Creosote, which penetrates the wood, and “wood treated with it is not subject to dry-rot or other decay.”—Cabinet Dictionary

Lasting Colors—The colors wear as long as the best paint, and wear better, because they do not crack or peel as paint does; and they are easily and cheaply renewed.

You can get Cabot’s Stains all over the country. Send for stained wood samples: free.

SAMUEL CABOT, Inc., Manufacturing Chemists
8 Oliver Street, Boston, Mass.

Cabinets, Cupboards, Shelves, Dressers, Wardrobes, Drawers, Trunks, and other Mill Work and Furniture.

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**Staining your Siding, Boarding and Timbers with Cabot’s Creosote Stains**


Stained with Cabot’s Creosote Stains

**FORGET IT!”** The Kernerator must be built in at it cannot be installed afterward.

**Dry all waste into hopper—does FORGET IT!”** The Kernerator must be built in at it cannot be installed afterward.

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Hough Shade Corporation
261 Mills St.
Janesville, Wis.

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**The Pacific Lumber Co. of Los Angeles**

Wood Preservative, Damp-proofing, Water-proofing

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**FORGET IT!”** The Kernerator must be built in at it cannot be installed afterward.

**Dry all waste into hopper—does FORGET IT!”** The Kernerator must be built in at it cannot be installed afterward.
When you come home — tired out —

"Moved eleven times in eighteen months — as good as ever"

HODGSON Portable Houses are built in sections, finished to the smallest detail and firmly bolted together. They are made of the best materials possible. The frame of sturdy Oregon pine, the walls and roof of red cedar.

Cedar is the most durable wood known, it is also very light. For this reason Hodgson Houses may be taken down and moved to another locality quickly and easily.

Send for our catalog, which shows many beautiful Hodgson cottages and homes (actual photographs), also portable garages, playhouses, poultry houses, etc. Write today.

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71-73 Federal St., Boston, Mass.
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HODGSON Portable HOUSES

a cool, refreshing shower

FATIGUE, mental and physical, instantly vanishes before the shower’s sparkling, health-giving sprays. In two minutes you are yourself again, freshened, on your toes and assured of getting the most out of your hours of relaxation.

Let us help you select your shower. We have a booklet, “Once-Used Water,” devoted to various types of showers. Suggestions on shower bathing are included.

We will gladly send you “Once-Used Water.” When you write for it, if you have a regular plumber will you please mention his name?

SPEAKMAN COMPANY
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DISTINCTIVE HARDWARE

HARDWARE for your home — and garage — should give you now, and in the years to come, smooth, perfect, trouble-free service — the character of service that is built into every piece of hardware that bears the Russwin trade mark.

With the additional satisfaction which comes from the knowledge that Russwin Hardware is beautiful and harmonious in every detail of its design and finish.

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RUSSWIN Automatic-Locking Bolt
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Trained in Service
Those who demand unobtrusive dependable service, appreciate Leader Water Systems. They are complete units developed by Leader-Trahern engineers from 20 years’ experience. To eliminate annoying noise, mechanical liability has been their aim.

Some of the finest estates in the East are Leader served. Whatever your water problem may be consult Leader engineers. It is good insurance that obligates you in no way.

Leader Tanks and Equipment for water, air and oil. Experience — essential. Write for further information.

LEADER-TRAHERN CO., Decatur, Ill.
New York: 21 E. 40 St.
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Gentlemen: Kindly send me information on water systems for country homes and estates.

SPEAKMAN SHOWERS
The Greatest Household Improvement since Electricity

A modern coffee service of traditional Etruscan inspiration. Where all black cups would be heavy, the white cups with their Flaxman wreath are more in keeping

BL A C K  W E D G W O O D

(Continued from page 132)

to combine his heart's desire with his day's work. His close friendship with the cultured Bentley, and their partnership in 1768, gave him opportunities to deepen his knowledge and brought him into touch with men like Sir William Hamilton, whose books and collections were at his disposal for study.

The potteries at Etruria were opened in 1768, and at once Wedgwood began on the ornamental wares in black basaltes, while at the old Burslem works the Useful or “Table-Ware” was carried on. Always he drew this sharp line between the two. “O.W.” and “U. W.” signifies Ornamental Works and Useful Works, and this distinction once led to the nearest approach to words that ever occurred between Bentley and Wedgwood in their eighteen years' partnership. “You know,” wrote Bentley, “I have never any idea that Ornamental Ware should not be of some use.” The point was argued at great length, but evidently Wedgwood had his way in the end. The black “Etruscan Vases,” which were the most important productions at Etruria served no purpose save that of ornament, and the black “coffee-cans” and tea equipages that have survived were far “too fine and good for human nature's daily food.”

For some inexplicable reason, black Wedgwood has not greatly appealed to collectors in the past, and it speaks well for the 20th Century that we are seeking it to-day. Unfortunately, it is rare now, like all old Wedgwood; the museums and private collectors have got the best of it, but, still, it is more easy of access than the jasper. In form and contour, the Etruscan vases are perfect; the earlier pieces are usually in the plain black basaltes, simply decorated with restraint and purity that are sometimes lacking in the jasper. It has been remarked (in this connection) that Wedgwood in his elaborate figure groups interpreted the strength and beauty, the rhythm and movement of antique bas-reliefs by mere “elegance,” and that he sometimes chose the decadent period for his models. This point cannot be argued here; if Wedgwood was unaware of his artistic limitations, he knew well the limit of his material, and if, artistically, his bas-reliefs fell short, yet he achieved in pottery a technical perfection which has not yet been equaled. Certainly these plain black vases are highly satisfying to modern taste, with their simple ornament of plinth moldings, beading, festoons, strap work, and fluting, done by a lathe, and adapted to the shapes with exquisite judgment and skill. Josiah Wedgwood took a just pride and delight in these vases. “Poor Burslem, poor Cream color”—he wrote in 1769 of his “Useful Works”—“They tell me I sacrifice all to Etruscan Vases.” At his London showrooms, the ware was called “Etruscan,” and his manager was instructed to keep the fine pieces back and produce them only for people of fashion and influence; this at a time when a visit to his shop ranked high as an art-show in London Season. Of his “suites of Five Vases for the Chimney-

(Continued on page 138)

A large lamp of black basalt Wedgwood, rather elaborately ornamented

Water ewer, one of a pair originally made for wine and water

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.

No chemicals, no extra pumps or motors are used. The softener is simply connected into your pipe line in the basement—your regular water supply flows through it on the way to the faucet, and the wonderful Permutit material removes every grain of hardness, giving you clear, delightful soft water from every faucet in your house.

A few cents per day is all it costs, and the machine will last a lifetime. Thousands are in use.

Send for a free copy of our interesting booklet, “Soft Water In Every Home.” Write today.

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Agents Everywhere
For a Spotless, Healthful Toilet

Spotless is the toilet bowl cleaned with Sani-Flush. The porcelain shines, swiftly and easily. Sani-Flush removes all stains, discolorations, incrustations. Just sprinkle a little Sani-Flush into the bowl. Follow directions on the can. Flush! No scrubbing — no scouring.

Sani-Flush reaches the hidden, unhealthful trap — cleans it, purifies it. Sani-Flush destroys all foul odors. It will not harm plumbing connections. There is nothing else that does the work of Sani-Flush. Always keep Sani-Flush handy in the bathroom.

Sani-Flush is sold at grocers, drug, hardware, plumbing and house-furnishing stores. If you cannot get it at your regular store, send 25c in coin or stamps for a full-sized can, prepaid. (Canadian price, 35c; foreign price, 50c.)

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Sani-Flush
Cleans Closet Bowls Without Scouring

Isn't it Time To Think of Your House?

Doesn't your house need a new chair, a convenient little low table, an especially comfortable cushion for the sofa where you like to lie and read, a clock for the guest-room?

If you want something special, and it happens to be inconvenient for you to get to the shops, just write to House & Garden's Shopping Service. They know the shops of New York as well as you know your own telephone number, and they will get what you want if it's to be had in the city. And they'll get you the very best value for the amount of money that you want to spend. For they're experts in the art of shopping wisely and they know the specialties of the various shops. Just try them and see!

House & Garden
Shopping Service
19 West 44th St.
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"It takes a heap of living"

Inside and out, your home is an expression of character — your character. You can make your house a real home by using the right kind of finishing. Martin's 100% Pure Varnish Enamel — Amber-Lite — these products have stood the test of time and have proved themselves worthy of your confidence. No adulterants whatever are used in the manufacture of Martin's 100% Pure Varnish Products. A real home deserves the best that you can put into it. You can be sure when you use Martin's.

MARTIN VARNISH
PIONEERS OF 100% PURE VARNISHES
CHICAGO

For
Hall
Bath
Living Room
Dining Room
Kitchen
Bed Room
Exterior and
Interior Finish

A Generous Pack at a Low Price

Considering that our "Regular Package" contains approximately two pounds of high grade bond paper (number one rag stock) it is quite natural that so many people should ask us outright "How do you do it?" The value is extraordinary. Name and address are faithfully printed on each sheet and envelope — brand new type being used for every order run. Briefly, American Stationery meets the need of a first-class household note paper so well that it is widely used for informal correspondence in the country's better homes. Order a trial package for your home; we know you will delight in its use — we guarantee that you will be satisfied.

200 Sheets
100 Envelopes
PRINTED WITH YOUR NAME AND ADDRESS

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 8 1/2 x 11, envelopes to match, INK: Name and address, printed as shown in illustration, in rich, dark blue ink.

For orders west of Denver and outside United States, add 10%. Always remit with order. With our exceptional facilities and large plant, we fill all orders with surprising speed. We have no agents or branch plants. All American Stationery is sent to you by mail from Peru, Indiana, where we are originators of this type of note paper, have successfully used it uniformly for eight years.

The American Stationary Co.
61 Park Ave., Peru, Indiana

This coupon may be used by you for 200 sheets, and 100 envelopes of American Stationary to be printed as shown on attached slip. (Note: To avoid errors, write or print type plainly.) Money readily refunded if you are not wholly satisfied

Herewith is enclosed for Gentleman:

Name
Address
H. G.
ALL of You—Especially Mother and the Children

The Bath-A-Day, now universally regarded as a health necessity, was always a problem for the family, until the Shower-bath came into its own—the cleanest, quickest, pleasantest, healthiest way to bathe.

And then the Kenney Shower revolutionized shower bathing. Its principle of converging needle streams did away with the overhead deluge, banished the cold, clammy, unsightly, unsanitary curtain, put the water where it was wanted, on the body and within the tub, not on the hair or in pools on the floor.

The built-in models of the Kenney Shower are ideal for the home where the last word of bathroom equipment is desired, meeting the requirements of every member of the family, especially adapted for women and children. If you are building or remodeling ask your architect to specify and your plumber to install the Kenney Shower.

You'll enjoy reading the booklet "Your Bathroom and the Kenney shower"—which we will be glad to send you on request—free.

The Kenney-Cutting Products Corporation
507 Fifth Avenue New York City

Kenney Shower
CURTAINLESS

piece," he wrote thus in the catalogue: "We have reason to conclude that there are not any vases of Porcelain, Marble or Bronze, either ancient or modern, so highly finished and sharp in ornament as these black Vases."

About 1776 bas-reliefs in white jasper were applied to the black ware. Anyone who has examined the decorations closely must have marveled at the incredibly fine modeling and finish of every minute detail and wondered how such perfection was attained. Wedgwood, in spite of his assuring Bentley "that we should glory in other people getting our patterns and ideas," yet guarded his workroom secrets jealously; so only a bare outline of his way with bas-reliefs (or any other process) can be given. From the wax model a mould was cast with the decoration in intaglio, and into the mould the workman pressed the soft white jasper clay with his thumb. When every cranary was filled, the face of the thumb-mould, as it was called, was smoothed level, and after allowing a few minutes for setting, the impress was dexterously drawn off and applied to the vase, which had been dipped with a little water. When the bas-relief was firmly set and moulded to the curve of the vase, the sculptor set to work with his knife to give the sharpness and modeling that could not—in the nature of things—be brought about by the untouched impress from the mould. This was called "under-cutting," and is a highly valued mark of old Wedgwood.

BLACK BASALTES

The black basaltes was very suitable for busts, statuettes, sphinxes, and so forth, on account of the close resemblance it bore to bronze in substance and weight. The portrait busts and medallions were exceedingly popular; the busts were made in all sizes and medallions were exceedingly popular. The texture is smoothly silken, equal. The texture is smoothly silken, and the black has a depth and richness not attempted to reproduce in the old—no mere surface treatment can hope to equal.

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The Black basaltes was most successfully adapted for every day requirements, and the black has a depth and richness not attempted to reproduce in the old—no mere surface treatment can hope to equal. The texture is smoothly silken, equal. The texture is smoothly silken, and the black has a depth and richness not attempted to reproduce in the old—no mere surface treatment can hope to equal.

Since Wedgwood's death in 1795, his work and tradition have been steadily carried on at Etruria, Stoke-on-Trent, by his successors, Josiah Wedgwood and Sons. Here fine replicas of the old pieces are being made to-day, and quantities of useful ware which is well adapted for everyday requirements, and responds happily to the modern craze for black. A tea service, for example, in the black basaltes needs but little ornamentation; the color, form, and texture of the clay produces the desired effect, serviceable and effective to satisfy our taste to-day. In the life of the late Walter Headlam, Fellow of King's College, Cambridge, mention is made of how he used to keep a number of the black teapots for gifts to anyone who expressed a proper appreciation of the one he always used. As for the poor and cheap imitation stuff which masquerades as Wedgwood, it does not deceive for a moment, though it is always sad to see lovely form and design travestied.

Frankly, modern Wedgwood of this useful kind does not attempt to reproduce what is inimitable in the old—an\n
Photo by Abbe & Workman
De Luxe Tub Model Shown Above
De Luxe Tub Model Shown Above

Then the Kenney Shower revolutionized shower bathing. Its principle of converging needle streams did away with the overhead deluge, banished the cold, clammy, unsightly, unsanitary curtain, put the water where it was wanted, on the body and within the tub, not on the hair or in pools on the floor.

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The Mantel Question Easily Settled

When you see our 1923 handsomely illustrated catalogue of new designs of "King" Colonial Mantels Andirons, Grates, Fireplace Fixtures, Floor and Wall Tiles.

In order that we may better assist you concerning your requirements, please tell us whether you are building or remodeling, when writing for catalogue: also, how many mantels are wanted.

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One thing so often lacking in home decoration is harmony between the color of the floor and the decorative scheme of the whole room.

What color should you make your floor to harmonize it with the walls, the woodwork, or the furniture? What floor will make a proper background for the beauty of your rugs?

What is the natural color of Maple, Beech or Birch, waxed or varnished? What stains will they take?

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Upon your request a copy will be sent you. The edition is rather limited, so we suggest an early letter.

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Plan a Fire-safe Home of Enduring Beauty

Fortune smiles on those who plan a home. The freedom of it—the pride of possession—the privacy, comfort and economy of living under your own roof quicken the purpose to achieve and multiply the joys of existence.

Large or small, your home should reflect substantial beauty and the glow of comfortable family surroundings. And you must know that its maintenance, fuel bills, and depreciation in value, will each be low.

This is now easily possible. Build the home of Concrete masonry units finished with portland cement stucco.

Concrete brings its abundant strength to a new union of old materials; stucco made with portland cement adds charm and refinement—humanizing this strength with warm lines, soft tones and pleasing finish. This combination of materials makes a home that is weather-proof, fire-safe and maintenance-free. The joy of owning a home that is weather-proof, fire-safe and maintenance-free is worth a considerable investment.

Send for New Book of House Plans

To aid you in planning your home, we have just issued a new book of plans. It represents the talent of prominent architects from all sections of the country. You can obtain from us at nominal charge blueprints, specifications and bills of materials of each house shown in this book.

Mail the coupon below with fifty cents and our book, "Concrete Houses," will be sent you by return mail.

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A National Organization to Improve and Extend the Use of Concrete

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Enclosed is 50c for which please mail me your Plan Book, "Concrete Houses."

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Artistic Mantels That Beautify the Home

The Open Fireplace Theme for poesy, inspiration for dreamy fancies. Haven of rest from care.

In the homes of today, the fireplace has won a worthy setting—a mantled frame combining art and skilled handcraft.

Our catalogue shows 32 beautiful Colonial and Period mantels, faithfully reproduced to meet modern requirements, yet mindful of your purse strings.

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A SELECTED COLLECTION OF SMALL HOUSE PLANS

The 69 plans for 3, 4, 5 and 6-room houses shown in this book offer a wide variety of exterior designs and convenient and economical floor plans from which you can select the house that meets your tastes and individual requirements.

The Architects Small House Service Bureau, a National organization of practicing architects, will furnish at moderate cost complete working plans, specifications, bill of material and contract forms for any of these houses, and will give the home-builder architectural counsel while his house is being built. Thus for the first time a professional architectural service is available for the builder of a small house.

Your Future Home," a book of 106 pages, showing pictures, floor plans and complete descriptions of 69 houses, and explaining the Bureau's service in detail, will be sent postpaid on receipt of $1.00.

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better than wood—never sag, shrink, warp or stain. easily cleaned with soap and water. the channel is guaranteed never to crack, blister nor peel. low in price, but fine enough for any bathroom.

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why risk health or go without modern sanitary conveniences? you can not afford to build a cesspool or adopt a home-made... cost less than a cesspool; cost nothing to operate; require no attention; will last a lifetime; guaranteed 15 years.

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solid and installed septic tanks by plumbers.

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.

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major system of theatre lighting control; triumph line of safety type, standardized panel boards and cabinets; safety switches; safety outlet boxes; safety wiring equipment; residence panel board; residence panel board— type “r”.

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country estate owners find the corcoran tank tower an unfailing means of obtaining plenty of water, at a high pressure, for the house, garden and garage.

the double tank feature is shown in the illustration. the lower tank catches any overflow and a reserve supply is always on hand in case of fire or for the garden and grounds when the dry season is on.

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798 jersey avenue, jersey city, n. j.

corcoran tank tower

in case of

francis p. curtis, esq.

bidey, long island

june, 1923

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no cracking plaster, due to damp walls, in the bay state coated house. for bay state brick and cement coating creeps into the pores of the walls and permanently seals them against all moisture.

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let us send you samples of the different tints and the new bay state booklet no. 4. this booklet shows many actual photographs of beautiful bay state coated houses.

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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. 117 pages.

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tried in real houses under actual photographs of beautiful bay state coated houses.
Protect your family from menace of basement fires!

Ninety per cent of all residence fires start in the basement and are caused by overheated flues, defective wiring and inflammable ash receptacles. Yet eight hours out of every twenty-four you and your dear ones are asleep and insensible to the deadly danger lurking beneath you. Make up your mind now to do away for all time with this great menace by insisting that the first floor be built of Truscon and National Steel Joists.

**ARE THESE YOUR PROBLEMS?**

Each mail brings into the House & Garden Information Service a big batch of letters from readers who desire to avail themselves of the expert advice offered by this service. It would be impossible to reprint all of these letters, so we have selected a few on building, investing and gardening which may be of assistance to many others whose problems are in some way similar.

**QUESTION:** As a subscriber and admirer of your magazine for many years, I wish to ask your advice in planning a new home which I wish to build this Spring. The enclosed picture is taken from your "House & Garden's Book of Houses" and I am using the exterior as my model.

I wish to know what to use on my hearths and fireplaces. I do not like glazed tile and I find marble stains very badly and almost impossible to get off. In my mother's home, experts have failed to clean the marble. I should like to know the best material to use for porch floor.

**Could I use white plaster as material for lower story and front gable and the board for upper floor?**

**ANSWER:** Answering your inquiry of recent date, we wonder if you have thought of dull matt finished tiles or brick tiles? There are, of course, only a certain number of materials available for hearths. You can always use cement, with a coloring matter mixed with it, you can use tile, brick or stone. If the fireplace is an informal one, flag stones make a very pleasing hearth. From the point of view of suitability, of course, it is difficult for me to make you a recommendation without knowing the kind of fireplace you have. On the question of tiles, we enclose a list of manufacturers to whom you can write for catalogues. I quite agree with you in not liking highly glazed tiles for fireplaces, especially for a hearth, but among the reproductions of antique dull finished tiles, which are now made, you might find just the thing you are looking for.

Relative to material for a porch floor, if the porch is like the one of the house you are copying, brick is undoubtedly the most attractive. It is also a very serviceable material. Porches of this kind are sometimes edged with brick and floored with square red tiles called "quarry tiles." Often a mixture of cement colored red is scored in squares to resemble tiles, and while this is quite attractive, it is not as good as the red tile.

Your last question can be answered in the affirmative. Stucco for the first story and front gable and clapboards above would give a very pleasing effect and would be quite in character with the kind of house.

**QUESTION:** I have recently purchased an old Colonial house. Its roof is now covered with a prepared roofing. I will make necessary repairs to same and among other things will put on a new roof. Will you kindly tell me if a red slate roof would be appropriate for an old Colonial house which is to be painted white, or should it be covered with wood shingles?

**ANSWER:** In answer to your inquiry of recent date, our architectural advice would be all in favor of the wood shingle roof, as a red slate roof would be quite out of keeping with the type of house you describe.

Well-stained shingles are very long-lived as far as weather is concerned and from the fireproof point of view, there is little point in making a fireproof roof on a non-fireproof house.

**Probable the best shingle to use unstained, allowing the action of the weather to give it color, is the cypress shingle which is carried by practically every lumberyard in the country.**

Trusting that this information will be of help to you.

**QUESTION:** I should much appreciate some information concerning the expense of building a country house of stucco or cement of two stories comprising an area of 1700 sq. It. Same is to be substantially built but simply with four bathrooms, steam heat, hot water heater with no basement except space for laundry and furnace. Also the cost of a house containing the same amount of square footage, consisting of one story and front gable and each wing consisting of two hundred square footages. The total area of the houses on the ground floor is the same—but in the second house the second floor would be four hundred square feet smaller than the first. The house is to be built on the outskirts of a suburb of Chicago.

Will you also kindly let me know where I can obtain some further information regarding material covering such as Mr. Henry Compton describes in his very interesting article in the January issue of your periodical?

**ANSWER:** The best answer to your inquiry of recent date is a recommendation to send for the advertising books and brochures, listed on another sheet, describing with plans and illustrations of the type you have in mind. Stucco, of course, is not a structural building material, but a finish applied to hollow tile or frame construction. It would not be possible for us to get you even an approximate estimate on the cost of your house without knowing exactly the method of construction you intend to use, and even then, local conditions of labor and supply would make the local contractor your only source of information on this subject.

The floorings mentioned in the article in January House & Garden are made by several different manufacturers whose addresses we are glad to furnish you herewith and all of these manufacturers gladly send their descriptive booklets with full details to prospective builders. We would suggest your writing to them.

**QUESTION:** We have read with great interest the article in your March issue entitled "Three Barns" by Harriet Sisson Gillespie.

It appeals to us particularly because we have just taken over a fine old country house in New Hampshire for our summer classes and shall have to convert the barns and out-houses thereon into studios and living quarters. I was wondering if you could help us by some suggestions. You have had so much experience and we want to make these buildings really homelike and cozy for our students.

As there are no firm measurements of each of the buildings to be converted

(Continued on page 144)
Replace the Old Heater

If your heating system is old and worn out, it will cost you more to keep it than to replace it. The Kelsey Warm Air Generator will soon save enough on coal to pay for itself, while the old heater will keep on wasting money.

And with Kelsey Health Heat you will have ideal conditions in your home; plenty of warm (not hot) fresh air in constant circulation, with just the right amount of moisture supplied by the automatic humidifier, to add to your comfort and safeguard your health. Air that is too dry is the cause of many winter ills, while air that has a normal amount of moisture in it makes you feel warm at a lower temperature than dry air, and prevents a great deal of nose and throat trouble.

Let us send you "Kelsey Achievements," which will explain the construction and operation of the Kelsey. Also write us for any further heating information you desire.

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WARM AIR GENERATOR

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A condensed set of health rules—many of which may be easily followed right in your own home, or while traveling. You will find in this little book a wealth of information about food elements and their relation to physical welfare.

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Effective weight control diets, acid and bland diets, laxative and blood-building diets, and diets used in the correction of various chronic maladies.

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FLOORS, DOORS, INTERIOR TRIM
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That is its first qualification. It's beautiful.

And it is hard. That's why it is so supremely durable and so successfully resists the heavy wear that furniture and all interior woodwork is called upon to withstand.

It takes and holds all kinds and shades of finish in a very superior way and for white enamel work it is by all odds, the first choice by those who know the qualities of woods.

We publish a very beautiful book that shows in a great range of pictorial examples the uses of birch and explains why it is best for these uses.

If you are going to build a home or buy furniture, you certainly should have a copy of this book. We will gladly send you one—free, on your request.

THE BIRCH
MANUFACTURERS
219 F.R.A. Bldg., Oshkosh, Wis.

Beautiful
You want to build is in this book

It contains plans, perspective estimates of 500 inexpensive 4- to 8-room homes designed by architects of the highest standing. The coupon below brings to you by return mail.

Volume I of "The Books of a Thousand Homes" is now ready.

Send this coupon for the book that will save you months of planning and hundreds of dollars.

Home Owners Service Institute, Inc. 21-27 West 59th Street New York City

Send me Volume I, "The Books of a Thousand Homes" by parcel post collect.

1. Check for money order for $3 if enclosed.

2. When I receive the book I will give the postman $3 (plus a few cents postage) in full payment.

Name Address

ARE THESE YOUR PROBLEMS?

(Continued from page 142)

THE HOME

(Continued on page 146)

but can give them to you if necessary. I plan to run up to New Hampshire shortly to look over the entire layout and if you can make some suggestions I shall be happy to note any eye open with a view of including them in our plans. If you have any pictures of barns that have been converted, interior and exterior, we would be pleased to have them as we know they will assist us in making "summer habitat" attractive and easy.

Answer: We feel sure that the readers in the March issue of "Evolution of a House Plan" with pictures and plans of houses. I would like to know how much it would cost to build the Dutch Colonial house.

I have been a subscriber to your magazine for

Question: In your November number you print an article called "Evolution of a House Plan" with pictures and plans of houses. I would like to know how much it would cost to build the Dutch Colonial house.

I have been a subscriber to your magazine for

You have given me the value of several houses recently built in New Jersey and Connecticut, and, further, the figure you might get today is likely to prove high or low six months from now.

Send this coupon for the book that will save you months of planning and hundreds of dollars.

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Name Address

ARE THESE YOUR PROBLEMS?

(Continued from page 142)

THE HOME

(Continued on page 146)
Lamps that Harmonize with their Environment

In our New Hampshire hills, we have a studio where we make distinctive lamps with unusual designs at very reasonable prices from $17.50 up. Send us a color sample of your draperies or wall paper, and we will have our designer, Ed. Cheshire, make for you a special tinted sketch without charge. As a wedding present it will not, and cannot be duplicated.

In your own home, a constant source of satisfaction.

Applecock Studios
Fitzwilliam, N. H.

**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—if you cannot find what you want in our advertising—offer advice on the care of lawns, beds and orchards—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 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

**WILLICRAFT Furniture**

Genuine French Willow Best Grade

THOSE who know good furniture select Willicraft for its correct and beautiful designs, fine workmanship and great durability.

If your dealer cannot show you Willicraft, write for illustrated catalog.

Willicraft Shops
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**EGYPTIAN RIBBONS**

Weave Them Yourself

A fascinating way to while away summer hours, at home—while traveling—or at a vacation resort Egyptian Ribbons woven in the old Egyptian patterns in two patterns are an interesting novelty—delightful to make—a most acceptable gift for friends—or if you desire, they may easily be disposed of at a good price. The Shuttle Craft method of hand weaving provides the means and instructions for this fascinating pastime—gives designs taken from art objects from the tombs of the Pharaohs, the great museums of Europe being searched for the original materials. A line will bring you full particulars, and if you are interested, through the Shuttle Craft method you may obtain the instructions for more comprehensive effort, enabling you to make anything from a feed, so a complete household set, including drapes, bed coverings, table clothings, etc., etc. Extremely fascinating—and without too hard to master.

Mail the coupon for complete information.

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An Historic Door Knocker

Reproduced from the original which is said to have awakened Paul Revere on the night of his famous ride.

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

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One can hang up or take down the clothes much more quickly than by the old method of hanging the basket up one line and down the next, because with the Hill Champion Clothes Dryer the revolving arms bring all the line within easy reach. Easily taken down when drying time is over. None but the best materials used; made to last a lifetime. Our folder G will give you complete information.

Hill Clothes Dryer Co., 52 Central St., Worcester, Mass.

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Art Brass Knockers are faithfully reproduced from the originals made famous by the heroes of history. Concord No. 4045 is an emblem of culture and hospitality that offers a cheery welcome to the visitor. Concord No. 4045 illustrated herewith, sent prepaid to any address upon receipt of price.

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to make your home and garden beautiful with blooms from our imported Dutch bulbs. Amateurs vie with experts when Elliott bulbs are used. You can easily fill your garden with color and fragrance from Christmas to Easter, or you can shower your garden with loveliness when Spring drifts up from the South.

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The bulbs we import from Holland, where the world’s best bulbs are grown, are selected from the stocks of the leading growers there. Tulips, Hyacinths, Narcissi and Crocus of matchless beauty spring from these famous Dutch bulbs, which generations of expert breeders have brought to perfection.

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For a few cents each you can grow flowers which at a retail shop would cost $1 or more per plant and yours will be more beautiful. Furthermore, you will have the keen enjoyment of watching them throughout every stage of their development—from the first green shoot to the flower in bloom. They will be the admiration of all who see them. Many of the orders we receive each year are from people who have seen these bulbs blooming in the homes and gardens of their neighbors.

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But we must have your order by July 1, when our books close and our special representative leaves for Holland. We receive each year are from people who have seen how well Elliott bulbs do. You can easily fill your garden with color and fragrance from Christmas to Easter;

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A careful selection of 50 of the world’s choicest Dutch bulbs—Tulips, Hyacinths, Narcissi and Crocus so exquisitely perfect that when they bloom in your garden next Spring they will be an unfolding delight to you and your neighbors.

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St. and No. or R. D.

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Houses look better when they are the talk of the neighbors.

Houses look better when they are the talk of the neighbors.

146

Houses look better when they are the talk of the neighbors.

Houses look better when they are the talk of the neighbors.

Walls and window dress in both rooms alike.

With plain wall surfaces you need design in either the hangings or upholstery. Gilt and color is always harmonious with mahogany and I think hangings of this material in the living room in mustard yellow, and taffeta on a cream ground over cream colored gauze glass curtains would be attractive spots of color. Curtains in black and white, with a border of blue taffeta or edged with little box pleated ruffles of this material were the talk of the neighbors.

147

Houses look better when they are the talk of the neighbors.

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Houses look better when they are the talk of the neighbors.
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"is a book that both the amateur and rose scholar can use with profit and enjoyment. It deserves ranking with Dean Hole and Pemberton, with George C. Thomas and other great authoritative rose books of the world. He presents the facts of his efforts of research and experiment in the simplest, understandable form."

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June, 1923

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Cornell Systems of Irrigation

Reproduction from photograph showing Cornell underground system in operation

F R O M Easter frosts and a tardy spring we almost leap into the lap of June. Are your roses ready? Have they been well nourished, well cultivated and every waste of dead leaf or branch cleanly clipped off and removed? Good! Then you've made the right start. Would you know how to find great pleasure in your Roses? Learn to share them. Everyone likes roses. You will have doubled their value when you double the number of people who enjoy them. So invite your friends to see your Roses or take your Roses to them, so they may feel upon the peace and sweetness to be found in these divine gifts of Nature. Who else in your bailiwick grows Roses—so you can compare notes. One way to find out is to join the American Rose Society, 606 Finance Building, Philadelphia, Pa., and get their list of 3000 members geographically arranged. If you find ten people near enough why not get up a little Rose Show? The American Rose Society Secretary will tell you how.

Another American Rose Society treat will be the Rose Pilgrimages in June—Washington, D. C.; Syracuse, N. Y.; Hartford, Conn.; Boston, Mass.; Minneapolis, Minn.; Portland, Ore.; and Seattle, Wash. But after all, what can surpass your own Roses about your own home? Mildew and Black Spot can be prevented if you start first. Every week or two apply "All-In-One" with intelligence and keep your Roses in full foliage—that's half the joy.

If you buy CONARD Roses, your name will be easy—they're guaranteed to bloom.

Each rose bears a durable, celluloid star tag to identify the varieties in your garden. No other roses have this feature.

CONARD & Jones Co.

ROSE SPECIALISTS

Guaranteed to Bloom

FREE ON REQUEST

Rose Specialists

for years
**Hicks Time-saving Trees**

**For Seashore and Mountain And all That Lies Between**

WHEN nor’easters, blustering along coast and mountain side, whip the branches furiously; when summer breezes play around the foliage and the well-developed top casts a welcome shade, then you will realize that Hicks Time-saving Trees are adaptable to all situations.

Hicks Time-saving Trees can be moved now—in full leaf—with perfect safety. They can be used for avenues, for entrance-courts, for lawn specimens, or for large groups—potted or in the ground. Hicks’ Time-saving Trees can be used for avenues, for entrance-courts, for lawn specimens, or for large groups—potted or in the ground.

**Varieties and Sizes Available Now**

**Time-Saving Evergreens**

<table>
<thead>
<tr>
<th>Variety</th>
<th>Size</th>
<th>Each</th>
<th>Per 10</th>
<th>Per 100</th>
</tr>
</thead>
<tbody>
<tr>
<td>White Fir</td>
<td>4 ft.</td>
<td>1.00</td>
<td>5.00</td>
<td>10.00</td>
</tr>
<tr>
<td>Japanese</td>
<td>2-3 ft.</td>
<td>1.00</td>
<td>5.00</td>
<td>10.00</td>
</tr>
<tr>
<td>Japanese Cypress (Green)</td>
<td>1-1½ ft.</td>
<td>2.00</td>
<td>10.00</td>
<td>20.00</td>
</tr>
<tr>
<td>American Hemlock</td>
<td>3-4 ft.</td>
<td>4.00</td>
<td>20.00</td>
<td>40.00</td>
</tr>
<tr>
<td>Colorado Blue Spruce</td>
<td>3-4 ft.</td>
<td>5.00</td>
<td>25.00</td>
<td>50.00</td>
</tr>
<tr>
<td>Austrian Pine</td>
<td>3-4 ft.</td>
<td>10.00</td>
<td>50.00</td>
<td>100.00</td>
</tr>
<tr>
<td>Maple Pine</td>
<td>3-4 ft.</td>
<td>15.00</td>
<td>75.00</td>
<td>150.00</td>
</tr>
<tr>
<td>Red Pine</td>
<td>3-4 ft.</td>
<td>20.00</td>
<td>100.00</td>
<td>200.00</td>
</tr>
<tr>
<td>Scotch Pine</td>
<td>3-4 ft.</td>
<td>30.00</td>
<td>150.00</td>
<td>300.00</td>
</tr>
<tr>
<td>White Pine</td>
<td>3-4 ft.</td>
<td>40.00</td>
<td>200.00</td>
<td>400.00</td>
</tr>
<tr>
<td>Japanese Yew (Upright)</td>
<td>3-4 ft.</td>
<td>7.50</td>
<td>37.50</td>
<td>75.00</td>
</tr>
<tr>
<td>Japanese Yew (Flat Form)</td>
<td>3-4 ft.</td>
<td>10.00</td>
<td>50.00</td>
<td>100.00</td>
</tr>
</tbody>
</table>

**Time-Saving Shade Trees**

<table>
<thead>
<tr>
<th>Variety</th>
<th>Height</th>
<th>Diameter</th>
<th>Each</th>
<th>Per 10</th>
<th>Per 100</th>
</tr>
</thead>
<tbody>
<tr>
<td>Norway Maple</td>
<td>8-10 ft.</td>
<td>4 in.</td>
<td>9.00</td>
<td>20.00</td>
<td>40.00</td>
</tr>
<tr>
<td>Pin Oak</td>
<td>8-10 ft.</td>
<td>4 in.</td>
<td>12.00</td>
<td>25.00</td>
<td>50.00</td>
</tr>
<tr>
<td>Scarlet Oak</td>
<td>10-12 ft.</td>
<td>5 in.</td>
<td>15.00</td>
<td>35.00</td>
<td>70.00</td>
</tr>
<tr>
<td>Linden</td>
<td>15-20 ft.</td>
<td>8 in.</td>
<td>20.00</td>
<td>45.00</td>
<td>90.00</td>
</tr>
<tr>
<td>Sweet Gum</td>
<td>15-20 ft.</td>
<td>8 in.</td>
<td>30.00</td>
<td>65.00</td>
<td>130.00</td>
</tr>
<tr>
<td>Tulip Tree</td>
<td>4 ft.</td>
<td>4 in.</td>
<td>7.50</td>
<td>15.00</td>
<td>30.00</td>
</tr>
</tbody>
</table>

**Hicks Home Landscapes—1923 edition**

Some of my friends say this is the best book we have ever issued. Profusely illustrated with paintings by Miss Amy Crofts and Mrs. Robert Hopper; photographs in color and black, other unusual features of value to home owners everywhere. We shall be glad to mail a copy to you on request.

**Hicks Nurseries**

Postoffice Box H
Westbury, L.I., New York

---

**ARE THESE YOUR PROBLEMS?**

(Continued on page 146)
The new STAYTITE handle identifies Pennsylvania Quality Mowers. Ask your Hardware Dealer or Seedsmen.

Here Is A Piece of Good Luck For Your Next Garden.

LOTOL is a new contact insecticide in jelly form. It comes in a collapsible tube just like tooth paste. This takes all the fuss and muss out of making spray solutions. A teaspoonful, quickly and easily dissolved in either hot or cold water provides a gallon of contact spray insecticide in a jiffy. LOTOL will rid plant life of the lice that persistently deprive the gardener of the full benefit of his efforts.

IDEAL Power Mowers do more than merely cut the grass. In the same operation they trim borders closely, roll the lawn to velvety smoothness and greatly retard the ravages of worms and other lawn pests. All this is done at a small fraction of the cost when done by hand. An ordinary laborer can be trusted with the simple, sturdy Ideal mechanism. He will do the work of from three to five men with hand mowers and rollers.

Interesting information on lawn care will be sent upon request.

Ideal Power Lawn Mower Co.
463 Kalamazoo St., Lansing, Michigan
New York, 13-19 Hudson St., Chicago, II. E. Harrison St.
Dealers in all Principal Cities

IDEAL Power Lawn Mowers

PETERSON'S Master Lists of Peonies and Iris will assist you in the selection of these remarkable flowers, classifying as they do colors, seasonal blooming periods and fully describing each kind and variety. We offer in addition to the varieties awarded the highest ballot some as yet not generally known. Peterson's Unique Guarantee states plainly "We will replace with three any plant blooming not true to description." As the commonly known 3-foot Iris is a rarity, the Peterson's Master Lists embrace only the representative gems of all that is best of the world's selections. Peterson's Master Lists embrace only the representative gems of the best peonies and iris known.

A Long Step Forward
This year we removed the only remaining uncertainty by definitely specifying actual number of eyes each size of plant must have. This removes the guess and adds a new and certain feature to our make-good methods of doing business. We now give you five different sizes of Peony roots to choose from and specify the minimum number of eyes each size must have. You know in advance just what you are getting. Iris shipped after July 1. Peonies after September 1. Orders for one and two eye Peony divisions must be received before October 1. Peterson's Master Lists of both Peonies and Iris, are a part of the Peterson book in broadside form, making it easy to select intelligently. It is conveniently classified and gives the latest official rulings of the Peony and Iris Societies. Even though you know the exact varieties you want, our unique guarantee of 14 years assures you of getting them.

PETERSON NURSERY

In business since 1856

32 N. LaSalle St. Chicago, Ill.
ARE THESE YOUR PROBLEMS?

(Continued from page 148)

Carolina, for there you would have a dry atmosphere, quite an elevation, and a splendid opportunity to carry out the work you have in mind. It should be possible there, to lease a tract of mountain land on which broad-leaved evergreens are growing, and to collect them for shipment to northern gardens and estates.

Such a project should involve very little capital and would be healthful, interesting, and possibly remunerative. Let us know what you think of this idea. If it has some drawback, I am sure we can think of something else.

QUESTION: Undoubtedly your department can solve a problem which has stumped me for several years.

The White Building, with a 30' x 40' walk running through it, leaving a strip of ground 2'/2" wide on each side of the walk. Thinking it would look more attractive to have this walk bordered with grass, I have, on a number of occasions tried to cover these places with a nice green ground cover. I tried seeding early in spring, then early in fall, always with the same result. I have tried various kinds of grass mixtures; and all, to no avail. As long as the arbor was not covered with leaves I was able to get a beautiful stand of grass; but when summer came and the growth of the grape vines shaded the ground, it vanished and left two dirty black stretches bordering the walk.

Is it possible to make a dwarf evergreen plant grow under this arbor; if so, please give me the name of the plant. I do not care for anything that makes one think of a graveyard.

ANSWER: Your problem is not an uncommon one and is comparatively simple to solve. When you say you do not care for anything that makes one think of a graveyard, I suppose you mean to eliminate English ivy and myrtle. It is too bad that there should be this feeling about these two plants, because they are ideally suited for covering the ground in shady places and covering it very effectively. However, there is another plant called Japanese spurge (pachysandra terminalis) which is less commonly used than the two above and which is hardy, evergreen and very attractive. In early spring it is covered with inconspicuous greenish white flowers. It makes a thick mat on the ground about 6" high. Trailling bittersweet also can be used in the same way. The botanical name of this is eurynudus radicans. It is notable for its small oval evergreen leaves. It is a little more vigorous in habit than the other plants mentioned but if you care to have a plant which will also climb upon the arbor, this will be very suitable.

QUESTION: Have made a few drawings of the size and location of the house we live in and the grounds around it. Have under the house been raising for three years to plant upon the grounds but am not sure about the two about 20' to the water's edge and we do not know how to grade it, would some pictures of the property help you to suggest to me what to do and how to do it? I am very anxious to plant and arrange the property and then make them beautiful when finished at the back as well as the front of the property. Please tell me what to do first and if you will help me I shall be very grateful.

ANSWER: If you will send us a scaled drawing of your lot, showing the location of your house, walk, and existing planting, together with a photograph or two of the site, we should be delighted to give you the information you want.

Our Service Department does not include the preparation of planting plans but is limited to giving suggestions. This can be given most intelligently when we have complete information on the problem at hand.

QUESTION: I have a back yard, 30' x 40', with sun on the south side. There is a border of small lilac bushes, which do not grow at all on the south side. They receive no sun. The north side is the sunniest. Grass grows where the sun shines. What plants can I put in, that will grow in the shade? The front lawn is tiny and grass dies, as there is a large maple tree there. How about planting myrtle, and where can it be obtained?

ANSWER: There are quite a few perennials which will grow well and blossom in shady places. Among them are the two varieties of balloon flower—platyodon grandiflorum and platyodon mariesii. The first is the larger of the two, growing to about 4 feet, and the latter is a dwarf variety and attains a height of 1'. Each variety comes in two colors, a blue-lavender and white, and their blossoming period covers most of the summer. Day lily, or funkia scelerata, has also been recommended for this purpose, as are prims- roses, horned violets, dwarf aster, spring aconites, anemonoids, and globe flower. In addition to these herbaceous plants many of the broad-leaved evergreens will be found suitable for this situation as to a sunny exposure. These include rhododendron, lauril, Japanese fetterbush, and the evergreen juniper under your maple tree where the grass doesn't seem to thrive is a splendid solution to your problem. It can be obtained from any nursery.

QUESTION: I want a flag stone walk. I do not know whether to have it laid in cement or not.

Which is the least expensive of this type of walk? Any advice you can give me will be much appreciated.

ANSWER: Any stone that can be split into flat pieces is suitable for a flag stone walk. It is possible that you will have to split the stones of this kind in your neighborhood. If not we would be glad to furnish you with the name of a quarry near Philadelphia from where you can get flat sand stone flags in various colors at a fairly reasonable price. Also we would be glad to tell you where you can get vari-colored slate, from a reddish purple to a pale grey. Flag stones or slate in irregular shapes are less expensive than those which have been cut to rectangular sizes, but the former cost more to lay. It is unnecessary to lay these stones on a cement base unless the stones are so small that they can be dislodged easily. In this case you should excavate to a depth of 3" and lay the stone on a 3" grading of sand and cement. The stones should be laid on a sand base 3" in thickness—a somewhat more satisfactory method than laying-them directly on the ground. If you lay them on sand or on the ground you should leave a joint of 1" and a half an inch to give the stone a little room so that it can be turned, if necessary, when laid for better fitting. If you want more information, please write us.

(Continued on page 152)
June, 1923

Dreer's Water Lilies

THE month of June is the ideal time to plant the gorgeous tender or tropical Nymphaeas. We offer strong, pot-grown plants of a grand assortment of both day and night blooming varieties in all colors: also Victoria Trickers, Hardy Nymphaeas and Nelumbiums can not be supplied at this season. All are described in Dreer's Garden Book, which also gives full information on growing Flowers and Vegetables of all kinds. A copy free if you mention this publication.

HENRY A. DREER
714-16 Chestnut Street
PHILADELPHIA, PA.

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 that attracts the wren; and has a substantial, weatherproof wood roof.

The song of the wren is melodious and flute-like—one of the most charming ways to 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.

Dealers write for special proposition.

The Lincoln Wren House
MANUFACTURED by JOHN LLOYD WRIGHT Inc., CHICAGO

Print your name and address plainly on this coupon—and mail it in now:

John Lloyd Wright, Inc.,
703 N. Wells St.,
Chicago.

Boston Woven Hose & Rubber Co.
154 Portland St., Cambridge, Mass.
ARE THESE YOUR PROBLEMS?

THE AMERICAN ROSE ANNUAL FOR 1923. HOW TO GROW ROSES, by Robert Pyle.

If you were asked to choose a five-foot shelf of rose books—and any rosarian's library will want a five-foot shelf—we would place these in following order:


Some books on this list are by foreign authors and meet peculiar problems found in growing roses in foreign countries, but the majority of the advice and counsel in them is equally applicable to the American rose situation. Some have been chosen because of their historic research value—and certainly a rose fan hunger to be thoroughly informed on the history and legend of his favorite flower. The first four books on the list—those by Barron, Pyle, MacFarland, and Thomas—represent, in our estimation, the necessary quartette for the American rosarian's library; to these should be added in all parts of the files of the American Rose Society, and the rosarian will automatically acquire those as his membership in the Rose Society goes on from year to year.

The Annual for 1923 represents the high water mark in achievement by the society. The other seven previous volumes are value for study, for consultation, and for practical use, but in this issue there seems to be compacted more necessary information than has been included in any one single volume hitherto. It is information necessary to both the amateur and the professional, and it has a countrywide appeal in that it meets rose problems in all sections of this vast land. Captain Thomas contributed a chapter on "Choosing Rose Intelligently," which considers these sectional problems. This is followed by a report of the referendum on favorite roses; 287 bush roses and 118 climbers were named in the returns, the favorite dozen bush roses being Ophelia, True Karl Druschki, Radiance, Los Angeles, Mrs. Aaron Ward, Gruss an Teplitz, Duchess of Wellington, Mme. Edouard Herriot, Columbia, Kailarney, Kaiserin Augusta Victoria; the favorite dozen climbers were: Dr. Van Fleet, Silver Moon, American Pillar, Dorothy Perkins, Paul's Scarlet Climber, Climbing American Beauty, Eceita, Tamend- schon, Gardenia, Christine Wright, Hawathwa and Aviateur Bleriot.

"Beginning With Roses" by the editor, is a little primer for the novice. This is followed by a discussion on "Phosphoric Acid for Roses," the "Members' Rose Forum", a description of Mr. Schwab's rose garden at Loretto, Pa., reports on rose success and failure in various sections of the country, reports from England and Germany, descriptions of 120 roses and finally a series of fascinating rose notes. The Annual is excellently printed and bound and the illustrations are beautifully reproduced.

Mr. Pyle's contribution to the first foot shelf is a complete handbook for both beginners and professional rose growers in that it meets every problem which can arise in the rose garden, from the selection of the varieties and the preparation of the soil to civic and historic rose data. The book is also equipped with an excellent rose bibliography and index. Here, too, are sectional problems of choice, cultivation and winter protection are completely considered so that the handbook is useful in all parts of the country. With this book on one's shelf there need be no question of how to develop and maintain the smallest or the largest kind of rose garden. It is clear in its written, and adequately illustrated. If having studied Mr. Pyle's book one cannot grow roses, then he doesn't deserve to grow them.

ON HOUSE & GARDEN'S BOOK SHELF

The Rain King gives a heavy soaking rainfall or light shower—all at one operation you can lightly spray the lawn. It is adjustable to the size of your property. The Rain King is the only sprinkler which my husband had sawed off. I have been told by a florist here and a tree man who did work for him that in about three years the places where these limbs were sawed off (although they will put out new growth) will begin to rot and that the tree will soon die, and that nothing can save it. It was much against my will that these limbs were shaved off, as I felt they should have been treated and saved. Please advise me if there is any easy way to save the tree or if the florist is right.

ANSWER: I am glad to reassure you that your hackberry tree can be saved. If the scars are of such nature that water will be likely to collect in them, they should be filled with cement.

A New Kind of Sprinkler Stationary and Whirling

The Rain King gives a heavy drenching downpour, a steady soaking rainfall or light shower—it reproduces Nature's ways of distributing moisture—all at your instant command. Each nozzle is a complete sprinkler—which has a full range of adjustment in both direction and stream. Concentrated fine spray for corners and odd-shaped places. You can put water exactly where you want it. Made entirely of brass, except base. Can't rust or stick. Fully guaranteed. $3.50 at your dealers' (Canada $4.75) or sent direct for the same price, postage prepaid. Descriptive folder sent free on request.

Chicago Flexible Shaft Co. 5534 Roosevelt Road, Chicago, Ill. Canadian Factory 331 Carlaw Ave., Toronto, Can.
Cut the Cost of Cutting Grass

THE Milbradt Power Mower brings new economy to the task of trimming lawns. It's especially designed to do a good job of cutting in a hurry—a half acre per hour at least. Improved light-weight design reduces cost of operation; all parts are wear-resisting. Write for descriptive literature about Milbradt advantages and our free trial offer. You incur no obligation in doing so.

MILBRADT MANUFACTURING COMPANY
2402 N. TENTH ST. ST. LOUIS, U. S. A.

For The Garden
A wicker chair, sundial, or hanging basket adds a pleasant touch of individuality and beauty to your out-of-doors home. We have an unusually attractive choice of ornaments for porch and gardens.

Scllings Seeds
26 West 59th St. New York

New Cactus Dahlia: Betty Austin
The absolutely perfect Cactus Dahlia. Note the splendid form and stem in the illustration. Color—yellow at base of petal, blending to rose carmine and rose yellow at tip, reflex rose. A more beautiful and distinctive color combination, that makes it a b est seller. Early, free and continuous bloomer: always full to the center.

Strong Roots $5.00 each 3 for $13.50 6 for $25.00

Peacock "Means the World's Best"
We are the largest Dahlia Growers in the World. An enviable position made possible only by the appreciation of the Superiority of our stock by satisfied customers.

PEACOCK DAHLIA FARMS, P. O. Berlin, N. J.
One hundred (100) acres grown in 1921.
Can You Afford To Miss Any of These?

Here are 3 choice Bulb Garden collections. Every bulb the best money buys. Varieties choice. Prices good only until July 25. After that, prices must jump.

Garden No. 1. 100 Bulbs in 19 varieties $2.50
Fall Price will be $4.50

- 20 Hyacinths
- 20 Daffodils
- 20 Early Tulips
- 20 Crocus

Pricing good only until July 25. Glad to send you our specially priced Ten-Ten Import bulb book.

Garden No. 2. 250 Bulbs in 20 varieties $8.25
Fall Price will be $11.00

- 60 Daffodils
- 40 Hyacinths
- 20 Darwin Tulips
- 20 Cottage Tulips
- 60 Breeder Tulips
- 50 Early Tulips
- 30 Crocus

Prices good only until July 25.

Garden No. 3. 500 Bulbs in 25 varieties for $16.00
Fall Price will be $21.00

- 120 Daffodils
- 100 Hyacinths
- 60 Darwin Tulips
- 60 Breeder Tulips
- 60 Cottage Tulips
- 60 Early Tulips

Why Confine Your Vision?

There is now available an ornamental telescope suitable for garden, porch or roof, by which the human seeing power is increased 50 times.

In Solid Bronze Needs No Shelter

For Details write to

Desk C. THE PORTER GARDEN TELESCOPE
JONES & LAMSON MACHINE CO., Springfield, Vt.

Add a Greenhouse and Make a Better Home

ROWS of great chrysanthemums, golden oranges, and banks of verdure, gorgeous poinsettias and fascinating crotons can be the mid-winter joy of thousands of homes and also many apartment building roofs, at comparatively small expense.

Include in your new building or remodeling plans a conservatory, small or large, according to your means, detached or attached to the home. You will be surprised how much the low cost will increase values and add to life the joy of beauty and nature's sunshine.

Of course, you will want the better glass, that specified by leading greenhouse designers, and made by the American Window Glass Company. It is special machine made and of greater tensile strength, perfectly annealed and with that clarity and evenness so necessary to successful plant culture, of the same high quality that distinguishes the window glass made by the same company from ordinary glass. Our elliptical trade mark is on every box of the genuine.

AMERICAN WINDOW GLASS CO
GENERAL OFFICES PITTSBURGH, PA
BRANCHES IN PRINCIPAL CITIES

Somebody's Opportunity

BECAUSE of the owner's chronic ill health, a really unusual opportunity presents itself to some one or more persons to secure an outdoor flower-plant nursery (located near New York City) of more than national fame and one of the most successful businesses (chiefly mail order) of its kind in America; founded by the present owner 18 years ago.

During the good and bad times of the last four years and with the owner absent during the chief order and shipping season for four to five months at a time, the profits have averaged $20,000 per year with enough unfilled orders returned to easily have brought this amount to $25,000. Had the advertiser been at home and in good health, profits could have readily been increased to $30,000 per year.

This proposition, covering a business of both delight and profit, will bear the fullest scrutiny and will show a much larger stock maturing this Fall than ever before.

$100,000 (initial payment of not less than $25,000) will secure entire ownership, including name, good will, stock, equipment, nursery and office buildings and 27 acres of land. High grade working organization.

For particulars address

J. J. L. c/o Garden Dept.,
House & Garden, 19 West 44th St., N. Y.
A Bird Bath will make a delightful spot in your garden bringing the birds with their merry note. Vases and shapely Jars form charming contrasts in nature's setting.

Our collection of enduring Terra Cottas also includes Flower Pots, Boxes, Fonts, Sun Dials Gazing Globes, Benches and other interesting accessories for the garden, sun room and house.

A catalogue illustrating 300 numbers will be sent upon receipt of 20c in stamps.

GALLOWAY TERRA-COTTA COMPANY
3218 WALNUT STREET, PHILADELPHIA.

Springtime in Your Garden

should bring you the added delight of having flowers you have never seen before. The Tulips and Daffodils described in my Blue Book of Bulbs include many rare or little known varieties, as well as everyday kinds for everyday purposes.

It Will Be Lovelier than Ever

if you have The Blue Book of Bulbs to help you plan next year’s garden. This book will be a revelation to gardeners who are not familiar with the newer importations from Holland. The Blue Book will be sent to any address on receipt of 25 cents, which may be deducted from orders amounting to $2.50 and over.

Chester Jay Hunt, Inc.
Mayfair
Dept. A, Little Falls, New Jersey

Do Smooth, DUSTLESS, Weedless Driveways Appeal to You?

Dust-laden drives are disagreeable, unhealthy, injurious to grass and foliage and mar the appearance of the grounds; furthermore they are entirely unnecessary.

Solvay Calcium Chloride, a clean, odorless, harmless chemical salt, is a natural dust preventive and road binder, that protects the surface from wear and controls the dust.

Weeds are entirely eliminated by Solvay Calcium Chloride, and its germicidal action is approved by doctors everywhere. Easy to apply and readily obtainable from numerous shipping points. For perfect roadways use Solvay. Unexcelled too, for surfacing tennis courts; makes them fast, smooth and resilient. You are invited to write for the Solvay Road Book— Illustrated.

SEMET-SOLVAY COMPANY
SYRACUSE, N. Y.
Make Your Garden an Outdoor Living Room

Use your garden more this summer. A few pieces of Art Stone furniture will help make a soothing restful retreat of any garden. A Bird Bath will surprise you in the way it attracts the desirable songbirds. This feature provides many hours of fascinating entertainment. Prices and sizes from $4.50 to $22.50.

Catalog G describes bird baths, fountains, benches, and all kinds of garden furniture and ornaments. Made of permanent Art Stone beautifully designed and executed. Reasonably priced. 10c in stamps brings you the beautiful catalog.

Architectural Decorating Co.
1600 S. Jefferson Street
Chicago

Every Peony Lover
May Have a Copy of Our Illustrated Book

“Superb Peonies”
This book describes over 100 of the world’s choicest peonies. Also contains information on selection of varieties, planting, and care. This book sent without charge but only on request.

Rosenfield’s Superb Peonies
are large, strong, full of life and vigor, possess good blooming qualities and will surely please you. Send for the book today, and make your selection for September delivery—let your garden contain some of America’s most famous and choicest peonies.

Rosenfield Peony Gardens
Reno Rosenfield, Owner
72nd & Bedford Avenues
Omaha, Nebr.
Home of the Famous Deep Red KARL ROSENFIELD

SAVO—FLOWER and PLANT BOX
Grows Beautiful Flowers and Strong, Sturdy Plants

MORE beautiful the flowers—more beautiful the home. Healthful, thriving flowers and plants are assured when grown in Savo Steel Boxes because of their new sub-irrigating and self-watering features.

All Year Round Garden
An ideal all-year-round flower and plant box for windows, porches, sun-porches, etc., with perfect air circulation and drainage. ARTISTICALLY DESIGNED—roll rimmed and round cornered, Leak-proof, rust-proof, durable. Enamel finished inside and out. in Aluminum or Dark Pullman Green. Six sizes, 30 days’ free trial. Write for free interesting catalog.

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