There is true economy in Davey service

Davey Tree Surgeons give you more service per dollar than any untrained or irresponsible men who may claim to work more cheaply per hour. There are very definite reasons for this fact.

Davey experts work with the assurance of scientific skill and successful experience, and without hesitation, guesswork, or loss of time. They are trained in the Davey Institute of Tree Surgery, the only school of its kind in the world.

No unnecessary work is permitted to be done by Davey Tree Surgeons. They are required by both organization discipline and professional training to do only those things which should be done in the client’s interest.

No money is wasted by Davey experts on trees that are too far gone. Furthermore, those trees that are in questionable condition are given only first-aid treatment, until it has been demonstrated by the increasing vigor of the trees that an investment in full treatment is warranted.

Davey work is done right, both mechanically and scientifically. It has permanent value and does not need to be done over again. It saves trees that are capable of being saved.

All Davey experts are workers—no other kind are retained in the Davey Organization. Diligent effort and faithful performance are required and guaranteed.

The service of Davey Tree Surgeons is really local to you. They live and work in your vicinity. There is no charge for lost time—only for actual working time. There is no cost to you for carfare or any other extras except the materials that go into the work. Write or wire Kent, Ohio, or nearest branch office for a free examination of your priceless trees without obligation on your part.

Tune in Davey Tree Surgery Hour
Every Sunday afternoon, 5 to 6 Eastern time; 4 to 5 Central time; over the Red Network National Broadcasting Company. Featuring the old-time songs that everyone knows and loves. Listen to Chandler Goldthwait on the Skinner Residence Organ.

DAVEY TREE SURGEONS

THE DAVEY TREE EXPERT CO., Inc., 534 City Bank Bldg., Kent, Ohio

There are no Davey Tree Surgeons except those in the employ of The Davey Tree Expert Company

DAVEY TREE SURGEONS

MARTIN L. DAVEY, President and General Manager
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JEWELERS SILVERSMITHS STATIONERS

JEWELRY AND SILVERWARE
Noted for Quality
Moderately Priced

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FIFTH AVENUE & 37TH STREET
NEW YORK
Our large showrooms are a permanent exhibit of constantly changing models of Fine Handmade Furniture—traditional in design and unexcelled in craftsmanship. Here dealers and interior decorators have an exceptional opportunity for careful selection of unique and distinctive pieces—at wholesale only. The public are invited to inspect our creations and order through dealers or decorators.

Showrooms and Factory • 521 East 72nd St., New York, Butterfield 8-8165 • 820 Tower Court, Chicago, Ill., Superior 7340 • 5514 Wilshire Boulevard, Los Angeles, Cal., Oregon 0302
In homes of gentle heritage, you will always find Sterling tableware. And among people whose taste is as modern as their traditions are long-established, there will you see Treasure Solid Silver. For Treasure silversmiths have added to the accepted beauty and significance of Sterling, the new finesse of related design. Treasure patterns reflect, in form and motif, the distinctive manner of the important periods.

The Early American Style, which follows so faithfully the spirit of our own Colonial silver, was expressly created for the Early American interior, decorated in simple maple pieces or in the more formal Colonial mahogany. And every prevailing tradition in modern decoration—Early English, Spanish or Mediterranean, Georgian—may have its complement now in appropriate Sterling tableware. Treasure Solid Silver is carried in stock by leading Jewelers who will welcome the opportunity of showing you the various patterns in correct decorative styles.

There is a new Treasure booklet, "The Modern Way to Choose Your Silver," which shows how the discerning hostess may relate the pattern of her Sterling tableware to the ensemble of her home. We shall be happy to send you a copy, if you will address your request to Dept. B-2.

ROGERS • LUNT & BOWLEN CO.
Silversmiths • creators of distinctive tableware
GREENFIELD, MASSACHUSETTS
Member of the Sterling Silversmiths Guild of America
B. ALTMAN & CO.
FIFTH AVE. MADISON AVE. 34th STREET 35th STREET
NEW YORK

Announce

VAST REDUCTIONS ON THE ENTIRE STOCK OF

Fine Furniture

Altman policies of fair dealing, honest prices and strict standards of valuation prevail throughout the sale. Every item is from our regular stock

Reduced 20 to 50 Per Cent

from its normal, fair price. Every type of furniture is included WITHOUT RESERVATION.

A considerable portion of this furniture was brought over from England and the continent during recent months to augment our exhibition of fine interiors.

TREASURE TROVE

Reductions of 20 per cent are offered on all the art objects, including bronzes, pewter, porcelains, glassware and semi-precious stones displayed in this delightful shop. This presents a rare opportunity to secure exquisite objects for wedding, anniversary or hostess gifts at a substantial saving.

Included in this sale are

Period Reproductions  Office Furniture
Antique Fabrics      Separate Pieces
Custom Bedding      Importations
Modern Furniture     Antiques
Occasional           Suites
Mirrors

FURNITURE—SEVENTH AND EIGHTH FLOORS
TREASURE TROVE—SEVENTH FLOOR
Sparkle!

The brilliance of a midwinter night outdoors. Trees and shrubbery snowladen and hung with icicles glistening in the moonlight. The air—crisp and crystal-clear. Indoors... the warmth and glamour of glowing logs and lamplit rooms. The table formally set for guests... fine lace, china, silver... flowers, candles. And against this lovely background the sparkling accent of Sloan Rock Crystal Ware... the final touch that brings the brilliance and beauty of the outdoors indoors.

Sloan Rock Crystal Ware in fifteen patterns, including all types of glasses, goblets and plates in three sizes, may be obtained at Gimbel's, New York; Carson, Pirie & Scott, Chicago; Snellenberg's, Philadelphia; A. Stowell & Co., Inc., Boston; Ed. Schuster & Co., Milwaukee; Sterling & Welch Co., Cleveland; Krasge, Newark. If your favorite store does not carry it, write direct to Sloan, Lonaconing, Md. Prices to suit every purse.
"YOU MUST START WITH FINE hard maple
THEN hand-rub AND hand-wax IT TO MAKE
FURNITURE LIKE THESE Corner Shop PIECES"

— said a nice old gentleman who is a cabinet-maker as was his father before him, when describing the evolution of a Corner Shop reproduction. Then he went on to say that the maple must be chosen ever so carefully so that expert wood-working and finishing can impart to it the rich color and faintly irregular surface which is so charming in old pieces. The arrangement above suggests a delightful chamber for the daughter of the house, which might be used for a guest room when she is away at school. The chest, $119.00, the bed, $34.75, the desk, (it has amusing details) $109.00, the little chair with seat of corn shuck, $8.94

MACY'S
34th Street and Broadway, New York
In the growing importance of the 18th Century interior as a background harmonious to ultra-feminine fashions, Celanese Fabrics play their modern part. Leading decorators prefer them because Celanese interprets so gracefully the dignified charm of the Georgian period, and at the same time meets the practical standards of to-day. Fabrics of Celanese have a natural, luxurious weight, free from all loading . . . they are not injured by rain or fog . . . will not shrink or stretch . . . or mold or mildew . . . dry-clean perfectly . . . and the colors are unusually fast. Moires that are permanent . . . Taffeta weaves that do not split or crack . . . and Satin weaves that will not rough up . . . are among the unique contributions of Celanese Fabrics to the decorative field.
An Invitation to Lounge and Relax

ITALIAN in influence, yes . . . . but modified and adapted to modern home requirements . . . this carved antique solid Walnut chair and pedestal table exemplify the skillful manner in which Kittinger craftsmen blend the beauty of the Renaissance with the practical and comfortable.

Almost every period in the history of fine furniture-making is represented in the 700 Kittinger pieces that are carved and fashioned from solid woods exclusively . . . . Walnut, Mahogany, Oak and Maple.

Kittinger production methods bring many of these distinctive pieces within the reach even of modest incomes.

A copy of an interesting and helpful book on furniture arrangement and decoration will be mailed to you for the asking . . . . Address Kittinger Company, 1891 Elmwood Ave., Buffalo, N. Y. . . . or may be secured by calling at any of our showrooms.

Kittinger Distinctive Furniture is sold by leading dealers and decorators everywhere.

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Kittinger Distinctive Furniture
Established more than a century ago, Johnson & Faulkner for generations have been importing Old World fabrics to meet the most exacting requirements of the decorative trade. Decorators and their clients are cordially invited to visit the new Johnson & Faulkner Building, and to inspect, under ideal conditions, a comprehensive display of every type of high class fabric required in the decoration of the modern home.
LIKE FLOWERS IN A ROOM
they lend the final, gracious touch

It is one of the pleasant experiences of life to discover, while looking over one's private collection of photographs, that only little things really matter, after all. The orchard of your first home, with the white picket fence beyond ... Laddie, fluffy and small, and rather bored with cameras ... a priceless snapshot of Barbara ... these glimpses, gay and luminous, give depth and meaning to life.

Certain photographs, more precious than the others, ought to be framed. A frame will share its quiet, formal beauty ... it serves, as well, to guard and preserve the portrait. And in a modest way, it is a symbol of your affection.

Among a great many people who own and treasure lovely things, it is almost taken for granted that the frame shall be of fine leather. And if, by some chance, you could see the articles they select ... an intimate frame, in sleek black calf skin ... one with handsome inserts, chastely carved in jade ... a drawing-room folio, hand-tooled in the Florentine manner ... you would discover that the great majority of them are imprinted with a tiny golden keystone R.

That insignia, found upon each piece of fine leather manufactured by C. F. Rumpp & Sons, Inc., of Philadelphia, is the guide by which such people frequently make their selection. For them, and for you, it is the seal of a high tradition ... a simple, infallible witness that the gift is good.

C. F. Rumpp & Sons, Inc., manufacture fine leather articles of every description, excepting luggage. They may be had at the better leather goods stores, department stores, jewelers, stationers, and haberdashers.

C. F. RUMPP & SONS, Inc. PHILADELPHIA AND NEW YORK ESTABLISHED 1850
These unique fireplace accessories are

In 1827, when the Wm. H. Jackson Company began manufacturing Fireplace Accessories for America's "first families", roaring fires were the fashion, and we turned to our brith for both heat and cheer. Today, our homes are amply heated and in those which are most modernly furnished we find a new type of "fire" which is as inviting in July as in December... a fire which warms the cockles of the heart without raising the thermometer. Jackson's Electric Log Fires reproduce the lively flicker and warm, friendly glow of a burning fire to perfection. You will be amazed at their naturalness. They are a delightful decoration for any hearth, even when they are not lighted. Jackson's Electric Log Fires may be had with either "fitch" or "rick" logs and with or without Electric Heating Elements. Prices from $85.00.

over a hundred years of service to the
now more easily within your reach

YOUR home is your castle, and your hearth is the symbol of your hospitality. Adorn it! Add to its beauty and interest! Give it a handsome setting and fine appointments, that the hours you spend before it may be more pleasurable, and that it may truly reflect the comfort and luxury of your home. Your will find the Fireplace Accessories shown here eminently suited to this purpose. Their beauty is exceptional; their quality is outstanding. They are the creations of an organization of highly skilled artists and artisans—an organization which, for more than a century, has made a fine art of glorifying the hearth. The standards of design and craftsmanship which are traditional with the House of Jackson are famous throughout the land. They have won the admiration and patronage of America's most discriminating and distinguished families. Jackson's mantels, andirons, screens, and other fireside fittings exalt the hearth to the status of an objet d'art—providing a quality of beauty and interest which makes the fireplace the dominant decorative feature. In the past the Wm. H. Jackson Company's Fireplace Accessories have been obtainable only through Jackson's own Galleries in New York and Chicago. Now, however, for the greater convenience of its patrons, the Wm. H. Jackson Company has also arranged distribution of its products through the exclusive representatives listed here.

Jackson's Rolling Fire Screen is a perfect protection against flying sparks and embers. It covers the entire fireplace opening, if desired, and may be raised and lowered as well by means of a novel, endless chain running on fibre gears. The screen is made of fine, flexible wire mesh and is contained in a brass housing which is permanently attached just behind or below the limit of the fireplace. Price from $35.00.

JACKSON COMPANY
2 West 47th Street, New York
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prominent families in the social register
Linen Damask is gay at Breakfast

TRELLIS
The familiar interlacemnits of trellis-work become as strange and wonderful as snow crystals on this handsome modern breakfast cloth. Modern it certainly is and yet to a breakfast table, it lends a sunny quality of rich charm that is very old.

LINEN DAMASK on the breakfast table salutes the spirit of the hour which celebrates our reunion with the world. In the morning sunshine, hospitality is as cheerful as the aroma of coffee...as artless as the golden brown harmonies of muffins and marmalade. Among the superb patterns of Linen Damask made on Irish and Scottish looms, there are many especially designed to be used on the table when the day is young and hearts are light.

LOVELY LINEN DAMASK TABLECLOTHS & NAPKINS impressively correct

SEE THE NEW IRISH AND SCOTTISH WEAVES AT LEADING STORES
Designs that are New ... designs that are Old

...EACH WITH MELLOW CHIME AND TELECHRON TIME!

Today, time must be told truthfully. It should be told pleasantly, as well. ... For that reason, Revere has added to modern electric accuracy, the beauty of fine cabinetwork and the melody of chimes.

Revere cases derive their designs from many periods — Gothic, Georgian, Queen Anne, Early-American and others. They are wrought from rich woods — mahogany, ebony, rosewood, redwood, satinwood — carved and rubbed by hand. They are fitted with exquisitely etched and inlaid dials — with deep-toned Westminster, Canterbury or Whittington chimes.

And every Revere Clock contains a tiny Telechron motor — the most convenient, most accurate marker of minutes that man has ever known. Plugged into an electric outlet, each Revere Clock brings correct time, quietly, continuously, from the Telechron Master Clock in the power house. It never needs winding or regulating.

Revere Clocks make any home more livable for those within it. There are models for floor or wall or mantel, ranging in price from $40 to $1200. * You'll find them displayed by good dealers everywhere. They are illustrated also in our free booklet, "Observatory Time." Write for it. The Revere Clock Co., 464 McMillan St., Cincinnati, O.

* The Warren Telechron Company, of Ashland, Mass., manufactures a full line of non-striking clocks at prices up to $55.

Revere Clocks

WITH Telechron ELECTRIC MOTORS

WINDOWS THAT POSSESS AND EXPRESS INDIVIDUALITY

That "something different"—so hard to define, so quickly recognized—which sets a house apart is easy to achieve with Crittall Casements. For these beautiful windows have an individuality of their own which they impart to every home where they are used. From the outside as well as from the inside, this distinctiveness is readily apparent—expressive of the good taste of the owner.

Crittall Casements offer so many possibilities for unusual effects. There are quaint latticed windows—with odd-shaped panes of leaded glass—which carry the spirit of the antique. There are modern windows with steel muntins which have the charm of severe simplicity. Whatever type or size of home you plan to build, there are Crittall Casements designed for your particular purpose.

You have a wide choice available. Stanwin and Norman Casements are obtainable in a large variety of standardized sizes and designs. Universal Casements are custom-built. Products of the world's largest manufacturer of metal casement windows, they are fully wind and weather-tight.

Ask your architect to show you illustrations of distinguished Crittall-equipped homes on pages A777 to A842 of Sweet's Architectural Catalogues—and to tell you how Crittall Casements can add individuality to the home you are thinking of building. Or request us to mail you a copy of our catalog.

STANWIN CASEMENTS

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CRITTALL CASEMENTS
Wherever fashion and character reign
there you will find the Eight as Buick Builds It

It is natural that the world of fashion should look upon the new Buick Straight Eight as the type of motor car that merits preference. For in this day, fashion and character go hand in hand. Buick, with its twenty-seven year background of excellence, has character as well as luxury—dependability as well as swift, spirited performance—among its major attributes. And that explains the ever-growing preference for the Eight as Buick Builds It wherever fashion and character reign.

The new Buick Straight Eights... four series... four price ranges... 20 luxurious models... $1025 to $2035, f. o. b. Flint, Mich.

When better automobiles are built, Buick will build them.
Concrete Masonry is a term applied to block, brick, or tile building units molded from concrete and laid by a mason in a wall. The concrete is made by mixing Portland cement with water and other suitable materials, such as sand, pebbles, crushed stone, cinders, burned shale, or slag.

What should I expect of the home I build?

As the first essential you will probably consider the safety and security of loved ones and possessions. Only firesafe walls and floors can meet this requirement.

As the second essential comfort will suggest itself—the comfort of a warm home in winter and a cool home in summer. Only walls that keep out temperature extremes can meet this requirement.

Certainly, you should expect your home to be good looking and substantial, and inexpensive to maintain throughout a lifetime and more.

Now, then, of what material other than concrete can you reasonably expect all these qualities? Walls of the hollow type that insulate interiors from exteriors. Walls and floors that are firesafe, rigid, upkeep-free, long-lasting. (Concrete becomes stronger with age!) A distinguished appearing masonry exterior at relatively low cost.

Build your home of concrete and secure what you should reasonably expect of the home you build.

PORTLAND CEMENT Association
Concrete for permanence and firesafety
Now, in smart personal transportation—it's Chevrolet

In choosing the most personal of cars—an inexpensive automobile which you will drive yourself—it’s rather satisfying to know that you needn’t make an obvious compromise with smartness. Certainly not, in the new Chevrolet Six. Fisher Body craftsmen have styled this new car in their best manner—and they have fitted and appointed it with a fine regard for the many conveniences and niceties that modern women instinctively appreciate. Of course, Chevrolet quality goes beyond smart lines and attractive interiors. Mechanical improvements have been made in every important unit. Consequently, there is a new freedom in performance, a new ease of handling and a new security in driving that are rather remarkable in so inexpensive a car. Women of discernment are everywhere showing marked preference for this new Six—that is why we say, “Now, in smart personal transportation, it’s Chevrolet.”

Chevrolet prices range from $475 to $650, f. o. b. Flint, Michigan. Special equipment extra

CHEVROLET MOTOR COMPANY, DETROIT, MICHIGAN. Division of General Motors Corporation

NEW CHEVROLET SIX

The Great American Value
Everyone knows that sunshine mellows—that's why TOASTING includes the use of the Ultra Violet Ray. LUCKY STRIKE—the finest cigarette you ever smoked, made of the finest tobaccos—the Cream of the Crop—THEN—"IT'S TOASTED." Everyone knows that heat purifies and so TOASTING removes harmful irritants that cause throat irritation and coughing. No wonder 20,679 physicians have stated LUCKIES to be less irritating!

"It's toasted"

Your Throat Protection—against irritation—against cough

Says

L. J. HOROWITZ

Chairman of the Board
Thompson-Starrett Co., Inc.

Buildings of the new Waldorf-Astoria Hotel, the Woolworth Building, the Paramount Building, the Equitable Building, New York; the General Motors Building in Detroit; the Palmer House in Chicago.

"When modern enterprise joins hands with sure-footed experience, success becomes a certainty. The fusion of these two important factors has given Thompson-Starrett over a billion dollars worth of activity in thirty years. It is interesting to note the application of this same principle in your business. Its clear evidence is your use of the Ultra Violet Ray in the 'Toasting' of the LUCKY STRIKE tobaccos."

FOREIGN TO EUROPE

So foreign is the originality of the Cord design, that it stands out with sharp contrast against the background of the finest motor equipage that Europe has to offer. As a result, in competition in the important Continental Rallyes, the Cord has emerged victorious in thirty-nine events. No other American automobile has ever gained such overseas renown. In Europe, as elsewhere, the influence of the Cord is felt as the model for others to pattern after. Cord dealers are now showing models of the winning Cord cars chosen by various members of Royalty for their personal use.

*Cord dealers are such outstanding awards as: Grand Prix, plus Cup of Honor, at Monte Carlo; Grand Concours d'Elegance Prize at Juan Les Pins; First Grand Prize, Concorso d'Eleganza, Cannes, France; First Prize, Concours d'Elegance, Berlin, Germany; Gold Band, Concorso d'Eleganza, Prague

CORD
FRONT DRIVE

Sedan  Brougham  Cabriolet  Phaeton Sedan  Auburn Automobile Company, Auburn, Indiana
Among new floor coverings, the sixteen latest linoleum designs of the Armstrong Cork Company assume an important position in point of distinction and style. The patterns are well designed and are of sufficient variety to harmonize with numerous decorative schemes. The colors have been unusually well selected. Chief among these new floor effects is a large diamond pattern in such desirable color combinations as black and peach and black and sand. There is also a charming pattern inspired by the spatter floors of the Early American era. Terra-cotta stripes are used as accents with three different color combinations of this pattern of which one with a blue background, spattered in red, black and cream, is unusually attractive. Another design, of extreme simplicity, takes the form of small diamond shapes scattered at wide intervals over an otherwise undecorated surface. This may be had in black with turquoise diamonds, blue with sand, and in light plum color with gold.

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**From the Land of the Matador**  
—came inspiration for this exquisite Copeland Spode "Old Madrid" dinner ware. The coloring is the deep red of the Torero's Sash. Carried in open stock.

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**A fine old XVIII Century Settee in fruit wood, length 65"**

**THE CAVE COMPANY**  
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**TABLE LAMP, dull chromium base, shaft of six clear crystal rods, parchment shade. Ask to see Nessen Lamps, Tables and Mirrors, at your favorite shop or decorator's or write to**

**Nesseen Studio, Inc.**  
151 East 38th Street  
New York
EDUCATION of the public to a fuller and more intelligent appreciation of L’Art Moderne is the avowed aim of the decoration firm of L’Elan. Working as a sculptor works in fine marble, L’Elan craftsmen have made the texture and character of precious woods an integral part of the ultimate effect of each creation. Thus any superficial decoration becomes not only unnecessary, but out of place. “Monel,” an extremely durable metal much used in modern decoration, warm, deep gray in tone, is used in conjunction with the wood. When fabrics are employed, particular stress is laid upon the harmonious relation of their color and texture to the woods with which they are used. In a delightful small bar to be seen at this establishment, the walls are paneled in Mexican mahogany, their sole decoration being amusing figures carved in the wood. On the floor is a multi-colored linoleum in which green and a soft rose color predominate. The furniture, seating twelve persons, is of monel upholstered in green rep.

Helen Graeme Hammond

Interior Decorations

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Murray Hill 2-884

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The Tree of Life

Promising all things to all men is suggested in THE CARCASSONNE, a chintz or linen fabric by Paul Dumas, Paris. Of exotic design and rich coloring, the turning boughs and fanciful blooms incorporate one’s dream of a Persian garden. On backgrounds of beige, naturé, crème, parchment or multi, Price $1.65 a yard chintz; $2.55 linen.

A Magic Island

In Lake Maggiore, Italy, lends its name and beauty to the lovely scenic wallpaper ISOLA BELLA by Zuber & Cie, Alsace. This brings into a room the delicate coloring and exquisite grace of semi-tropical plants and flowers.

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CHILDHOOD INC.

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THE BARCLAY

Rarely if ever does one find a cabinet as lovely as THE BARCLAY. One can accurately describe the mellow pieced shell shaped recess in the upper section or the paneling of the sideboards and moldings. Illustrations upon request. Also be ordered through your local Interior Decorator or direct from

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OF CREWEL EMBROIDERY
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We design and manufacture all types of embroidery.\
Crewel Embroidery on 30" natural linen, $1.50 per yard and up.
Finished pair of crewel embroidered portieres, 36 x 96", $35.00 and up. Red
suede to match, $65.00 per pair and up.
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dinary closets when tai-
lored by Aguilar Closets
for apparel, linens, or a
perfect jewel of a private
bar, designed and built
in our own factory.

Panelled Rooms in Pine and Oak
AGUILAR
TAILORED CLOSETS
372 PARK AVENUE at 63rd ST.
Regent 6378-8

Hand-painted in delicate pastels on ivory, these are framed in mellow-toned, old ivory piano keys. In pairs or singly
they are exquisite accents for
18th century or Victorian in-
teriors, left to right, 6.00, 9.50,
4.25 each, many others are
shown in our catalog.

- pitt petri, importer
378 Delaware ave. buffalos, n.y.

dainty ivory miniatures

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Sandwich Glass in Medallions
Sandwich Glass is proverbial for its brilliance and clarity, but its
variety and play of color are little known.
A specially selected set of Sandwich glass that rivals the
old French glass in beauty and charm. These pieces in price
range from eight to ten hundred dollars, and some of them can be
sold on approval. They are designed and made by
Charles J. Connick
Nine Hancock Street, Boston

A decorative keyword for tasteful homes is found in this chandelier of
early New England Influence. This
piece is of interest to connoisseurs used at the time of Paul Revere.
This finished entirely by hand after
the methods of the old craftsmen, it has
a most appealing character.

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Hand-painted garden ornaments of Pom-
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Marble will be found on exhibition in
our studios. An illustrated catalogue
will be sent upon request.

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SAVE 20%
Eight Mantels
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Miami Biltmore, Dunes Club,
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prominent homes and clubs
in America.
FREE ILLUSTRATED CATALOG
FREIGHT PREPAID TO FLORIDA

- Grand Central Wicker Shop Inc.
"modern" furniture is increasing. Most of the furniture which has been made to order within the last few months by the Pembroke Company has been of this type. Hearthstone has designed a small-scale dining suite, in accordance with this tendency, expressly for the small modern apartment. The feature of this group is the table's folding top by which its size may be increased from 32" x 36" to 64" x 36". This top comes in a variety of wood combinations, or in bakelite. The classification of the woods used runs the gamut from the familiar mahogany, walnut and maple to such pleasantly suggestive names as holly, amaranth, paltander or macassar. The base of the table and the framework of the chairs are of duralamium and may be had plated in chromium, silver, brass or copper. At the Campbell Shops, we found a number of excellent reproductions of period pieces, of which beds and bedroom furniture form the major part of the selection.
PLANK FLOORS
as crafted by BRUCE

HISTORIC FLOORS FOR THE NEW ENVIRONMENT

PLANK FLOORS which enrich historic structures in this country and abroad, are an envied heritage from the architecture of the past. These were of necessity rough hewn, of varying widths and lengths, as determined by the size of logs available.

Today, solid floor planks, as perfected by Bruce, conform to modern decorative ideas in nicety of workmanship, but retain the "casual" characteristics which contributed much to the charm of the original floors. Random widths and lengths are now deliberately planned; knots and unevenness in grain and color are interesting in the "lower" grades; beveled edges suggest "cracks," and emphasize the individual boards.

Bruce Plank floors are available in oak, walnut and Philippine hardwoods, in three grades, Mansion, Fireside and Tavern; five widths, 4, 5, 6, 7 and 8 inches. *CELLized (chemically treated to resist moisture) or untreated; beveled or square edged. Sold through retail lumber dealers everywhere.
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Weatherbest Stained Shingles have become a recognized building material for sidewalks and roofs. Weatherbest Dealers are specially qualified to tell you what they save in first cost and upkeep over other materials. Weatherbest should not be compared with ordinary shingles stained on the job or those painted or stained by some machine process.

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IN THREE DISTINGUISHED GROUPS

•

with Free Wheeling: more spacious interiors:
new elements of Pierce-Arrow beauty and luxury
and new and lower prices

APART from the attractions of the new Pierce-Arrow price range...which affords savings in excess of $600 to $800 on many models...the new line embodies the most important automotive development of the past decade: Free Wheeling! A feature which adds to the already superlative quality of Pierce-Arrow power, the magic freedom and great economy of momentum.

The new Pierce-Arrows are very beautiful—and, if possible, more than ever in the patrician manner. The interiors are notable for new spaciousness, new loveliness. And added appointments further contribute to the Pierce-Arrow fame for surpassing luxury.

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NEW LOW PRICES
as much lower as

$810

Following are listed a few of the new models, showing some of today's prices compared with those of 1930:

NEW GROUP B
125 Horsepower...134- and 137-inch Wheelbases

<table>
<thead>
<tr>
<th>Previous Models</th>
<th>New Models</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-passenger Sedan</td>
<td>$3495</td>
</tr>
<tr>
<td>5-passenger Club Sedan</td>
<td>$3995</td>
</tr>
<tr>
<td>7-passenger Sedan</td>
<td>$3625</td>
</tr>
<tr>
<td>7-passenger Enclosed Drive Limousine</td>
<td>$3225</td>
</tr>
</tbody>
</table>

NEW GROUP A
132 Horsepower...142-inch Wheelbase

<table>
<thead>
<tr>
<th>Previous Models</th>
<th>New Models</th>
</tr>
</thead>
<tbody>
<tr>
<td>7-passenger Sedan</td>
<td>$4485</td>
</tr>
<tr>
<td>7-passenger Enclosed Drive Limousine</td>
<td>$4685</td>
</tr>
<tr>
<td>4-passenger Convertible Coupe</td>
<td>$3975</td>
</tr>
</tbody>
</table>

In addition to the standard models, Pierce-Arrow announces a complete new line of Saloon Models: Here is America's finest motor car in its most luxurious expressions...Pierce-Arrow at its patrician best, augmented by the most distinguished efforts of famed Custom body-builders. The following are representative values:

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132 Horsepower...147-inch Wheelbase

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| 7-passenger Sedan | $4785 |
| 7-passenger Enclosed Drive Limousine | $4985 |
| Formal Town Car | $6250 |

(Other Special Custom-built Models up to $10,000)

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February, 1931

THE DOG MART OF HOUSE & GARDEN

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Robert S. Lemmon

Some ten years or so ago there burst upon the American canine stage (perhaps “sprang” would be a better word, in view of the character in question) an unheralded but amazingly capable dog whose name sounded like a cross between a sneeze and a growl. He wasn’t new, except to us on this side of the Atlantic, for there is good reason to believe that in his native Germany he was known long, long ago, but that had nothing to do with his acceptance by the American public. Almost over night, it seemed, this newcomer that was introduced to us as the Schnauzer became the last word in canine style. If you’d tried you couldn’t have put even a slight damper on the flame of his popularity.

As a matter of fact, I can’t imagine why anyone would have wanted to check the progress of this wire-haired German Terrier (that is about what he is, when all’s said and done). For his are the qualities which innumerable thousands of Americans like their dogs to have: activity, courage, brains, strength and an up-and-coming appearance no less pronounced than the activity of his nature.

Like so many other breeds, the Schnauzer’s exact origin is a bit uncertain. The first one I examined left me with the impression that there was Bullterrier blood somewhere in his family tree, so suggestive of that grand breed were the breadth of his skull and the almost wedge-shaped lines of his head as it appeared from above, but the eyes beheld that, and so did the sharpness of the “stop” which marked

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A sporting dog by nature, he is easily trained to hunt game quickly and to perform splendidly under the gun. However, one must not be an active sportsman to appreciate him, for as a house dog only, he is a popular member of the family. He is so friendly, so loyal, so amenable to his master’s wishes, that he will even go to every member of the household.

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OUTPOST FARM KENNELS * RIDGEFIELD, CONN.
Telephone—Ridgefield 364
the division between forehead and muzzle. Noting them, I began toounder and have seen it at ever since. So, perhaps, have the experts on the breed, if the truth were known. But that doesn't make any difference anyway, just as long as we have the Schnauzer in all his unique and sterling worth, for present character is what really counts.

There are three breeds of Schnauzer—or, rather, three varieties. First and largest is the Riesenschnauzer or Giant, a powerful fellow that measures from 22" to 26" high at the shoulder and is ideally fitted for police work and home protection. Then comes the medium type to which most of the dogs in this country belong—from 16" to 20" at the shoulders. And lastly, that demure little bundle of energetic fire, the Toy or Miniature Schnauzer, whose height is supposed not to exceed 13 1/2" but upon the length, breadth or thickness of whose spirit man has yet been able to decree a limit. The distinguishing points, other than size, are similar in all these three types. Some of them might be set down as follows:

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S

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They are travel-wise. They know how to turn each trip abroad into a luxury tour... entirely emancipated from the out-of-date slavery of steamer tickets, visas, motor hires, hotel shopping and the like.

The travel-wise woman of today adroitly sidesteps such hurdles by calling to her aid the trained travel men of the American Express. Their business is to take these hurdles for her.

First the steamship ticket—the American Express man is impartial—knows all lines and gets what she wants. Then the passport and visas—he helps her get them. Next her Travelers Cheques—all she does is to sign them and once more she is carrying "money" which she alone can use. Hotel rooms abroad—these are reserved for her. She may fly or she may go by train or she may motor. Everything is arranged for her before she starts. She disembarks at a foreign port—and the American Express uniformed interpreter is there to greet her. For her mail and cables she uses the chain of American Express offices. At frontier points and in strange, crowded railroad terminals an American Express interpreter in uniform will also be there to help her.

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THE GREAT
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SHE ascended a canopied gangplank to
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Immense or sovereign splendor greeted her at every step. The Social Hall
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benches ... masseurs, manicurists, hair-
dressers and cosmeticians, marvelous
gymnasium, the children's playroom,
ping-pong courts and a dining room,
whence emerged a chef who catered
for an emperor.

Night brought reminders of a first
night at the Opera. Beautiful women
in their chic Champs ... handsomely
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magnificent Opera ... First, a perfectly
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To help you find him, we append the following coupon. Behind
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I am checking the breed of dog that appeals to me. Will you
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dogs of this breed. I understand this inquiry implies
nothing but to buy.

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Do you cough your way through win­ter? Do you suffer for innumerable
colds? Do you shiver to your tem­peratures that
should be comfortable? If you do. it's a sure sign that
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in the air in sufficient quantities. The way to tell the actual conditions is with a

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The soundest investment, especially in times like these, is the unsensational investment based upon fundamental, rock-bottom human needs. It holds up best in periods of depression and, when conditions improve, appreciates more surely in value.

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If the property you want to sell, or lease, is the kind of property that would appeal to the discriminating taste of the readers of House & Garden, then obviously, the place to advertise it is in these pages, where it will meet the eyes of thousands of prospects who will appreciate its fineness.

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100% AMERICAN

They can't put him on the quota—he's a made-in-America dog. Fifty years ago his ancestors came from England—mere bullys and terriers. They settled in Boston ... and see what culture did!

He has a courtesy no bulldog ever owned, conservation no other terrier knows exists. Even if they don't trim his ears, you'd guess he'd been to college by the look in his eyes—little disillusioned, but brains, sir.

He's almost super-civilized. An apartment, even a smart hotel, can find no fault with his manners. He doesn't shuffle, fight, bark at the radio, get in the elevator or leave his hair on the rug. He's philosophical about a leash, a muzzle. The outfit?

If you had to sell the car and you couldn't live up to the world is just one cat ... try an Irishman who thinks such sophistication, you might interest in tin cup—be proud when he led you 'round.

If you couldn't live up to this sophistication, you might try an Irishman who thinks the world is just one cat ... or a Spaniel with the eyes of a dog ever owned, remnant of what culture did!

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Shore Front and Inland Residential Properties
Specializing in the Riverside and Sound Brook sections of Greenwich
HARRY C. FROST
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A Variety of Excellent Offerings in Country Estates, Farms
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10 rooms. 5 fireplaces. Fields. barns. small brook. shade trees. 8 acres. $18,000. Another: 9 rooms. fire places. Sound view. trees. 6 acres. $25,000.
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A very desirable bargain
11 acres. beautiful stream. Home of 8 Bureau and 2 bullys. 75 miles to station.—1 hour to N. Y.

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Specializing in Farms and Country Homes
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A charming and tastefully furnished old Colonial house of eight rooms and two baths, Located near the clubs and the Sound.

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Fine Old Virginia Estates
Colonial houses and other desirable properties in the historic Old Dominion.
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Shenandoah Building
Washington, D. C.

House & Garden readers, because of their natural interest in gardens and fine architecture, are logical real estate prospects. If you have property to sell, why not advertise it in House & Garden?

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320 EAST 72
When Victoria reigned as England's Queen our own socially elect rode abroad through the residential East Side in the formal equipages to which she gave her name. The Victorian era has become a memory but the East Side today enjoys the same prestige as a place to live. East 72nd now as then is a preferred location, with "320" the newest of the cooperatives typifying the street at its best. The plan of purchase, as well as the prices, are of more than passing interest.

Built by JAMES STEWART & CO., Inc. an assurance of structural superiority
7 to 10 Rooms: 4 and 5 Bath—Prices: $16,000 to $41,700
NOW READY—Maintenance 10.5%—Convenient terms

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On Long Island's exclusive NORTH SHORE

The agents advertising on these pages are all reliable firms of good standing. You are assured of getting through them the best properties and prices.
The new Chrysler Imperial Eight Roadster... 145-inch wheelbase, gracefully long and low... 125-horsepower... Multi-Range 4-speed transmission with Dual High gears... silent; powerful; fast... the greatest roadster creation by the creator of the roadster vogue.

5-Passenger Sedan $2745; Close-Coupled Sedan $2845; 7-Passenger Sedan $2945; Sedan-Limousine $3145. Custom Body Styles: Coupe $3150; Roadster (illustrated) $3220; Convertible Coupe $3320; Phaeton $3575. F. O. B. Factory.
EVER since the day when humor first became a profession, jokers have been rehashing the old quip about the husband whose wife was forever shifting the furniture. So threadbare have they worn it that even an undiscerning eye can begin to see the warp of sound reason which underlies the seeming silliness of the habit.

For moving the furniture is no more than man's manifestation of a normal human antipathy to sameness. Nothing in Nature remains everlastingly unaltered; why, then, should Man's abode fall into the rut of that condition? The periodical rearrangement, whether it takes the form of new furnishings or a fresh shuffle of the old, is really wisdom in disguise.
Whitman's candies have a true national distribution, which plays an important part in the satisfaction they give you.

Because they are known everywhere, sought for and purchased steadily, they enjoy a vital advantage of freshness.

Because Whitman agents are known in every community, you can send a telegram: "To the Whitman agency at Davenport" — and the Whitman candy you order will be delivered at once.

Because Whitman's are sold by picked dealers everywhere, the Whitman sign on a store has been a guide to "a safe shop" for other things as well as candy.

Success begets success. Because they are most popular, Whitman's are most desirable — the safest candies to buy.

Every Whitman agency is supplied direct, not through a jobber. Every package of Whitman's is doubly guaranteed. You must be pleased and satisfied.

Whitman's CHOCOLATES

For the name of nearest dealer look under "Whitman's" in Bell Telephone Classified Directory. Any telegraph office will take your order with cash for Whitman's Candies, transmit the order by wire, and deliver the desired variety by uniformed messenger anywhere in the United States.
FROM THE SIAMESE. They tell of a famous New York decorator who was discovered one day transfixed before a garbage bucket on a side street—transfixed with ecstasy. From that lowly utensil and its contents she composed the color scheme for a room. It was a pale blue bucket and from it she gathered red and pink and black seeds of a watermelon rind.

Another decorator is now creating a room around her Siamese cat—beige walls shaded to brown rug from its paws and ears; aquamarine blue curtains from its eyes—the furniture is to be upholstered in tones of brown and beige.

EXCELSIOR. The authorities seem to be divided on the source of the word "Excelsior" as applied to shredded wood. From one we find it as follows—that the representative of a factory and Hail handles and from the butts of wood Twinley was owner. He made axe, hammer in Maine showed these wood shavings to a Mr.

AHOVR ON MAIN. When Omar Khayyam sang, "Alas that spring should perish with the Rose," he managed to tell us something about the Persian climate, for after spring the weather becomes torrid and most of the country is burned dry. Spring, then, was and is a very precious season to the Persians. Of course Roses grow on the poet's grave. They have been identified as Rosa centifolia, one of the parents of our Moss and Calibge Roses.

BACIGAMMON TO WIN. This is the title, Backgammon to Win, of Vanity Fair's guide to our latest indoor sport. Its author is Georges Mahard, an Egyptian, born in Alexandria and educated at the Sorbonne. He has been playing Backgammon since childhood and is considered the most informed, scientific and sound exponent of the game. The book includes twenty-seven diagrams in color, and has two chapters by Clare B. Brockaw, associate editor of Vanity Fair.

PRIMROSES

THE SCENT OF PRIMROSES

In the woods, by the sea
In Ireland
Is the most fine refreshing thing.
It is best of sea tang
And sea spray.
Of frost and the rustling
Dark heather.
Of the bite of the raw grass
And the earth's pulse.
Innocent yet subtle
It is the breath of Spring;
More than breath
The very impalpable essence,
The heart's blood of beauty.

—DOROTHEA DONN-BYNE

CHINESE PLANTS TO CHINA. Around the figure of "Chinese" Wilson the legends already are growing thick, but the pleasantest we have heard is that China is desirous of having a great botanical garden and in order to stock it properly has sent to the Arnold Arboretum in Boston for plants discovered in China by Mr. Wilson. It is also diverting to learn that the American Rose Society has sent to the newly-crowned king of Abyssinia a Rose garden. Though His Majesty's capital, his capital is in the mountains where a moderate climate makes for good Rose growing.

MODERNISM AND SING SING. Though our acquaintance with prisons in general and Sing Sing in particular is very limited, yet we never see photographs of new German modernist apartments and workmen's houses without thinking of jails. Something about the uniformity, the stern utilitarian ranges of galleries and porches is disagreeably reminiscent of a cell block. To these we prefer the English laborer's cottage and these we prefer the English laborer's cottage and garden cities that have sprung up in England.

DARK BACKGROUNDS. It may come as a surprise to some that several decorators today are using dark backgrounds in rooms. Of course the rooms paneled in pine or oak is relatively dark and has always found popular acceptance. This use of dark painted walls, however, is new. Its appearance may be explained by two reasons—that decorators have tired of creating rooms with light walls and that furniture is not so prominent against a dark wall. The piece that is not so good tides into the dark background, whereas against a light wall its defects are glaring.

TOWELS AND MINOR PROPHECIES. We made a bad blunder the other day: we referred to a towel as a Habakkuk, whereas Ruben & Co. meant it as a Huckaback. This mistaking a minor prophet for an old-fashioned towel sent us chasing the name. Huckaback is a form of weaving whereby in the healds at stringing of the loom, two double threads were put together with five or six singles between. In the passing of the shuttle, the double threads were depressed so that the shuttle made a raised space without a knot—a really small fold. This made a rough weave that served excellently for toweling. These goods were hawked about the country. The towing takes its name from a Plymouth word meaning an itinerant vendor.

NEUROLOGY. To the list of splendid gardeners whose voices we shall hear no more, we regret to add the names of Frederick L. Atkins, regretfully add the names of Frederick L. Atkins, regretfully add the names of Frederick L. Atkins. Mr. Atkins, apart from his connection with a great nursery firm, served the cause of gardens long and well. He had been President of the American Rose Society and at the time of his death was President of the American Horticultural Society. Mr. Forester, who occasionally contributed to the pages of House & Garden, was one of the greater landscape architects of France. His work in the parks of Paris and his later creation of gardens in the south of France, in Cuba and South America brought him international fame. He was author of Jardins, a book of garden designs.

ANGELICA KAUFFMANN. The credit for being the original woman decorator would doubtless go to Angelica Kauffmann (1741-1807). Her career in that line began in 1756, when she arrived in London, made an immediate name for herself, was received at Court, attracted the adulation of such men as Garrick, Goldsmith and Sir Joshua Reynolds and helped found the Royal Academy. It seems that her life was emblazoned with a book of garden designs. A book of garden designs. A book of garden designs. A book of garden designs. A book of garden designs. A book of garden designs.

BOOKS ON ENGLISH FURNITURE. Since the books on this subject are as the sand of the sea, we have selected only twenty-two titles from the books on this subject are as the sand of the sea, we have selected only twenty-two titles from the books on this subject are as the sand of the sea, we have selected only twenty-two titles from the books on this subject are as the sand of the sea, we have selected only twenty-two titles from the books on this subject are as the sand of the sea, we have selected only twenty-two titles from the books on this subject are as the sand of the sea, we have selected only twenty-two titles from the books on this subject are as the sand of the sea, we have selected only twenty-two titles from the books on this subject are as the sand of the sea, we have selected only twenty-two titles from the books on this subject are as the sand of the sea, we have selected only twenty-two titles from the books on this subject are as the sand of the sea, we have selected only twenty-two titles from the books on this subject are as the sand of the sea, we have selected only twenty-two titles from the books on this subject are as the sand of the sea, we have selected only twenty-two titles from the books on this subject are as the sand of the sea, we have selected only twenty-two titles from the books on this subject are as the sand of.
Rich, deep blue walls are flattering to furniture and textiles. Shell pink moire curtains are particularly effective against this background, while the cream leather and deep pink chintz of chair coverings, and the cream and pink Aubusson rug, are vastly enhanced by this sapphire setting. Diane Tate and Marian Hall, decorators
Dark Backgrounds—A Dramatic Note in Decoration

Everett Gray Linsley

There are many deeply rooted but unfounded prejudices against dark colored walls and woodwork, most of which can be combated only with actual examples of the success of such treatment. Aside from the quiet, peaceful quality of a dark, richly toned background, a quality increasingly important in the hectic life of any city, there is the added virtue of practicality; the inevitable grime of the city serves to add, in time, a bloom which no amount of painter's antiquing can approach.

We all know the beauty of old wood paneled walls but in this era of temporary quarters, their rarity and consequent prohibitive cost make them unfeasible. Plaster walls can be amazingly grained to simulate wood paneling, but there remains always the effect of thinness, a lack of the depth inherent in wood that makes this method of treatment unsatisfactory, even barring the always legitimate objection to imitation.

What better solution then, than a frankly painted surface, giving the painter his due by letting him experiment in the production of darker, richer tones than are now customary, and enjoying the soothing result of a really dark background?

In approaching any problem of decoration there are two methods of procedure. First there is the more usual one of selecting the color scheme of background, curtains and floor coverings, with the follow-up system of furniture and incidental objects chosen with agonizing care to fill the required spaces and uses. A fairly quick method, this, capable of completion in six weeks, with luck and infinite badgering of painters and upholsterers. The results can be calculated, alas, for ahead; you know what you are getting both figuratively and actually. We know all beforehand, and therein lies the sole disadvantage. The room is comfortable and pleasing; it is standardized and innocuous; in good taste and impersonal. We can exist in it comfortably enough until we have a restless notion that perhaps if the silk window hangings were changed for more cheerful chintz the effect might be more "individual." Or we grow more completely irritated and "go modern" with great gusto.

The second and less conventional course is that of arranging a room around an already acquired collection of furniture and objects which seem to fill all the requirements of comfort and utility. In this case, although the color scheme comes first, it must be governed so absolutely by the character of the existing collection that it at once takes on a secondary importance. Old furniture and ornaments with their inevitable patina demand for best effect a background as mellow as themselves. Except in the case of darkly colored pieces of impeccable line, they do very badly when silhouetted against the light-colored walls of the average apartment.

In all the rooms illustrating this article, dark walls are the outstanding feature of the decorative schemes. And in every instance the somber background is not only
DEEP GREEN

Walls and wood trim in the room above are a deep, rich green. As a foil for Italian Empire chairs painted cream and gold, a mahogany Empire commode with ormolu mounts, and the gilded frames of mirrors and paintings, no better choice could have been made. There is no lack of life and color here, as the curtains and chair pads are brilliant yellow, the Aubusson rug, red, chartreuse and claret toned. Decorations are by Poynton.

VIOLET-BROWN

A collector of old English porcelain chose violet-brown for a small sitting room, as dark walls seemed the most restful solution on account of the numerous accessories. Added to the cream, red-violet and salmon tones of the Wedgwood, Leeds and Crown Derby, old French furniture of white painted wood, yellow silk curtains and an Aubusson carpet in claret, green and cream are greatly benefited by this background. Poynton, decorators.
distinguished and different from the ubiquitous pale tints, but in each case provides a flattering setting for both furniture and accessories. Particularly is this the case of the room illustrated on pages 56 and 57, where such colors as beige, tan, brown, pale pink and white have been used in a setting of tête de nègre walls. This room with its assortment of old furniture in mellow wood tones, its varied accessories mainly in brown, pinkish beige and off-whites, its accents of gleaming mirrors and its pale pink ceiling, is vastly enhanced by the rich deep brown of the walls which lends dignity and richness to the scheme without detracting from the necessary light.

In the case of the living room shown at the bottom of page 54, dark walls seemed the only solution on account of the numerous accessories. This room has existed in its present state and color for upwards of three years and the crowded aspect is due entirely to the collecting mania of its owner. And while it has frankly far too many things in it, it does illustrate the qualities of restfulness and dignity found in dark walls.

The background was painted with a flat coat of violet-brown tinged with gray as a setting for a collection of Wedgwood Queen's ware and Leeds, two signed Louis XV fauteuils and four oval-seated Louis XVI side chairs painted old white. The fauteuils are covered in old velvet, the remains of a full-skirted 18th Century coat in plum and blue-green stripe, and the side chairs have their original silk and wool needlework seats, now silvery gray with age. The curtains of heavy cream-yellow silk, narrowly self-striped, are held back by bands of antique English needlework in dull colors on a brown-black ground bordered by yellow wool fringe. Four Regency side-chairs and a similar armchair are of beech and walnut with cane backs and seats.

As this room is only 12 by 18 feet, making it necessary for the larger pieces to be so covered that they melt into the background, a Victorian sofa is covered in brown-black satin. A large grisaille painting in fawn and brown, a Viennese 18th Century pastel portrait over the sofa in ivory, pink and mauve, and a Louis XVI embroidered panel on old ivory satin also look their best against this dark background. Porcelains and potteries range from the cream and red-violet of the Wedgwood to a pale salmon pink found in a group of Crown Derby cups and saucers. Lamps shaded in translucent taffetas—pale green, lemon yellow and gray-pink—continue the accents of delicate color and give at night a pleasing and subdued light. An Aubusson carpet carried out in claret color, pale green and cream makes a sufficiently dark floor.

The recent vogue of blue in decoration stressed the pale and medium tones such as hydrangea, ciel and a delicate French blue, and the greenish blues of aquamarine and turquoise. Newer than any of these and a distinguished medium for a city living room is a deep, bright blue, on the tone of a sapphire. A living room "darkly, deeply, beautifully blue" is illustrated on pages 52 and 53. Here there is no lack of light, the walls having richness and vigor in the daytime as there is no gray in the blue to dull the edge of its tone. At night, owing to the pale pink lights and the varied pinks found in the curtains, furniture coverings and rug, the room gleams with warm color that is...
emphasized by the deep blue background. Another living room distinguished by a dark wall treatment appears on page 54. This was painted a dark, rich green, with no hint of the ubiquitous blue-green so frequently seen in apartment house foyers. As a foil for Italian Empire armchairs and sofa painted cream and gold, and a wide shallow Empire mahogany commode, no better choice could have been made. The curtains of yellow moire match the yellow Empire damask of sofa and chair seats, and a small Aubusson carpet of baroque design in reds, yellow-greens and claret color supplies the required amount of bold pattern. A rococo Italian mirror of carved and gilded wood atones for the severity of a white marble Victorian mantelpiece in this room, while crystal appliques of Waterford design relieve the plainness of two otherwise unornamented wall spaces. Old paintings in dull gilt frames and a long mirror in a gilded frame on a white painted panel occupy other spaces, and panels from a Louis XVI paper screen decorate three doors.

An interesting variation of the dark wall treatment has been achieved in a dining room by painting the walls in a typical 18th Century Chinoiserie pattern in white on a green ground. While lighter in feeling than any of the preceding rooms, the effect is basically the same, with cream-colored Leeds and Wedgwood used for decorative value, and Sheraton mahogany chairs with flowered wool chintz seats providing dark accents. The silvery quality of the white and green walls is a perfect foil for a collection of Sheffield plate and delicately flowered Rockingham with gray and gold scrolls. The windows are left uncurtained save for white Venetian blinds to temper the light.

The effect of a dark background can be obtained with wall paper as it is possible to find interesting designs on dark grounds. An example of this appears on page 55. The background shades from black to dark gray and dominates the delicate vine pattern in gold and red.

With various and endless discussions raging about the value of what is called personality in decoration, it might be wise to pause for a bit to consider that the approach to such problems is always varied, and that personality as such is an incidental rather than an absolute quality in the resulting equation. The most beautiful rooms in my experience have been those which were composed by persons who gave little or no thought to the resultant effect of color and theatrical climax; by persons who followed rather their own dictates of suitability and affection for certain things. There, you will say, is the epitome of personality, but I must add that the results, paradoxically enough, proved that personality to be entirely un-selfconscious.
The three views of the living room shown on this and the opposite page are convincing proofs of the interest and dramatic appeal of a color scheme comprising dark walls and light-toned furniture and accessories. Here walls, trim and carpet are dark brown. The ceiling is pink

Windows, curtained in beige satin and separated by mirrored panels, silhouette interesting furniture groups. (Opposite) A Louis XVI desk holds alabaster lamps with shades of beige fringe. The painted chair is a Venetian type. (Left) The divairee chairs covered in brown brocaded velvet flank a sofa in tan brocade. The statues are 17th Century pieces executed in carved wood.

All the colors of the room appear in the decorative fireplace group above. Chairs in beige plush and beige leather stand on a cocoa brown, pink and cream rug. Two old French plaster plaques in brown and white, and the overmantel painting of a country house hall further emphasize these same tones. Ruby Ross Wood was the decorator.
The interest which is still maintained in collecting Americanas is one of those expressions of national feeling that can never entirely die out. It may fade from our consciousness for a time, but it is always latent and ready to spring again into popular acceptance. We never entirely forget our forebears. The ghosts of innumerable grandfathers still haunt the countryside. Their manner of living, the household furniture and utensils with which they surrounded themselves, the books they read and the amusements by which they whiled away such leisure as their times permitted them, are all items of persistent interest. However conglomerate a populace we may have acquired through immigration, still that ancient strain maintains its influence, and the keeping of it alive is a form of commendable patriotism.

From the viewpoint of the collector, Americanas fall into two general groups—the finer furniture and its concomitants of curtains, silver, china and such; and the more homely and humble items of persistent interest. However conglomerate a populace we may have acquired through immigration, still that ancient strain maintains its influence, and the keeping of it alive is a form of commendable patriotism.

We associate Federal Furniture with commonplace clothes and manners; the former type reached its apex in those years when the Thirteen Colonies were being forged into a nation. This magazine calls it Federal Furniture, a name that has been widely adopted. For those more every-day items that were expressions of rustic skill we use the term Kitchen Colonial. Into this class fall that vast assortment of hearthside furniture made on the farm by its owners or itinerant carpenters and cabinet-makers, that array of household utensils distributed by tin peddlers, or made at home—wood-carders, piggins, butter churns, the domestic shoemaker's bench and even the crude oil portrait painted by wandering artists.

Many of these Kitchen Colonial pieces, in themselves, have very little real beauty. The hearthside bench may lack the fine craftsmanship of a Savery highboy. The rough pewter, poured and hawked by itinerant salesmen, certainly shares none of the admirable technique of a silver teapot by Paul Revere. Nor can the absurd portraits, done by carriage strikers when carriage stripping was dull, acquire the same admiration we have for a Stuart or a Saint Memin. Indeed, it is rare for intrinsic beauty that we collect and cherish Kitchen Colonial. We are drawn to it, however, because it brings down to our time an intimacy with daily living that many a fine product of the Federal Era cannot convey. We associate Federal Furniture with company clothes and manners; with Kitchen Colonial we associate every-day living—hands soiled with toil, work-worn clothes, women bustling about household duties, noisy children, the smell of a good meal cooking in the crane-hung pot, the domestic incense of summer preserving, family prayers, square dances, corn husking and the folds of rich, brown earth as the plow turned it over in the first days of spring.

These ordinary, every-day affairs are, after all, intensely indicative of a people. To know them is to know the average early American. To preserve them is to keep history alive. They show us the rock whence we sprang.

Because he has collected and reset in their approximate environment these crude domesticities, Mr. Henry Ford is helping to preserve national spirit to a splendid degree. Both in his restoration of the Wayside Inn and in his collections at Dearborn he has assembled and is assembling invaluable records of ordinary early Americans—the Babbitts of Colonial times. So is anyone who is collecting and preserving these crudities of domestic life in early days. It is America without its powdered wig and brocade coat. It is the Colonial forefather in his shirt sleeves.

Perhaps some people who trace back their heritage to these Colonists do not care to think of them as ever in shirt-sleeves; nevertheless there is scarcely a one of them but can be found in every-day clothes. The contemporary school of biographical and historical writers are usually advertised as "debunking" the past; what they really are doing is setting up human beings against the very backgrounds and amid the very furniture and utensils that Mr. Ford and the other collectors have assembled. George Washington with soiled clothes and wig awry is even a more appealing person than George Washington immaculate and wearing a halo of adulation. Certainly this gentleman farmer—for that is what Washington was—had enough of the Kitchen Colonial in his make-up and daily life to keep him a very human being. There must have been many times when his boots were caked with mud and he strode into Mount Vernon reeking of the stable.

Not alone were these great and well-known figures often to be found en debardeur, but the general run of folks in those days rarely knew anything else. It is a mistake to think of them as always wearing Sunday clothes and displaying company manners. The Babbitts of Colonial times were as ordinary people as Sinclair Lewis' Babbitts of today. The Revolutionary Army was a Babbitt rabble. Almost to a man the Pilgrim Fathers were middle-class Englishmen. Very few of the first Quakers who came to Pennsylvania could claim any aristocratic connections. Except in rare instances the Thirteen Colonies were settled and developed by ordinary people. They were Kitchen Colonists, and they also were extraordinary people because of that very fact.

Some remained Kitchen Colonists all their lives and their descendants in our Southern mountains have never risen above that state; others, having accumulated a surplus, graduated into the class that bought Federal Furniture. As the bootblack of today is the potential millionaire of tomorrow, so was the Kitchen Colonial of the 17th and early 18th Centuries the potential Federal Furnitureist of the late 18th and early 19th Centuries.

Until people began collecting Kitchen Colonial, it was customary to visualize the entire Early American scene as one of aristocracy, fine clothes and splendid furniture from which the taste filtered down to the classes below. Mr. Ford and those who collect the cruder implements and furnishings are reversing this process; they are beginning at the bottom, at the isolated farmer and his wife and their daily drudgery. They are entering the Early American home, not through the carved portal of an admirable Georgian facade, as most of us do, but they have gone around back, and come through the kitchen door.

—Richardson Wright
The Ancient Marks Of The Adze

Time-toned timbers, still bearing the ancient marks of the adze and pegged together in the old country style, form the support of the roof in the living room of this Norman farmhouse, the home of Jay Hyde Barnum, at Silvermine, Conn., of which Forster & Gallimore were the architects.
Woods And Their Influence Upon
Furniture Designs And Ornament

Katharine Morrison Kahle

Exotic and colorful woods have interested the cabinet maker from the dawn of history. Today when we hear such fanciful names as amaranth, palisander, granadilla, jarrah, padouk and thuja, they at once bring to mind fantastic tales and visions of far off lands. And as no story is so strange as fact, so the facts and folklore connected with woods are full of romance and godly personages. Simple walnut and oak, which do not stir our imaginations today, were sacred to the gods of mythology. Walnut was known as the "Nuts of Jupiter." Oak, also sacred to Jupiter, in later years was worshiped by the Druids. The prominent part which oak played in the minds of the people of the middle ages is suggested by the phrases "King’s oaks," "Queen’s oaks," "Thor’s oaks," and "haunted oaks."

The deodar is revered in India and has become associated with our burying grounds because the Hindus planted these trees among the graves of their dead. This was done not so much to protect the graves, but to protect the sacred deodar trees. Simple holly, which was used extensively in the inlay of early English furniture, was credited with magical powers, and newborn children were baptized in water which had seasoned in a stump of holly.

In Egypt from the earliest dynasties the incidents of history and mythology were carved in wood. Among the woods used by the Egyptians were sycamore, tamarisk, deal, cedar, ebony and certain rare woods from the East.

The principal material used in the construction of Greek and Roman furniture was wood. Homer mentions olive wood and Thoocritus, cedar. Beds and tables were made of maple, willow and juniper. Citron was especially prized for table tops because of its color and fine grain. Cypress and beech were usually preserved for chests. Indeed, the chest of cypress has become a tradition and since early times has served as the coffins for Popes. Yew, cedar, oak, fir, alaternus, holly, lime and zygia were also used for chairs, stools and beds. Pliny speaks of the vogue for rare figured woods among the Roman plutocrats. Among these exotic woods used for veneers were thuja, persea, box and terebinth and ebony.

The innate qualities of woods suggest the shapes and decoration of furniture to be constructed from them, and woodworkers are always bound by the limitations of the particular wood at hand. In the Renaissance, because of the abundance of native oak and walnut, these became the important woods. Also, because they were found to be excellent surfaces for carving, carving became the principal method of decoration. If the majority of pieces of furniture of this period are decorated with carving, it is because carving seemed more suitable than any other decoration. Also, in spite of the existence of certosina and intarsia on Italian furniture and some Spanish, French and English pieces, there was a scarcity of ebony, box, white poplar and holly, the woods used for this inlay.

To the character of the wood may also be traced the variance in the carving. English Renaissance furniture, since it is mainly constructed of oak, has crude, well-defined carving executed in sharp-cut relief, while the carving on the walnut pieces of Italy
and France is much more suave, more finished and more sculpturesque.

The 17th Century saw the beginning of the heyday of inlay and marquetry. The oak and walnut furniture of the Louis XIV was inlaid and veneered with ebony and wine-red amaranth. In fact so much ebony was used at this time by Boulle and others that the traditional name of French cabinetmakers dating from this epoch is "Boulle." To be sure, Boulle had other woods to use. There were hornbeam, holly and chestnut for white; cherry and yew for red; yellow olive wood and acacia for yellow; walnut for gray and brown; and violet wood for a beautiful violet brown.

Then there were always the much less expensive native fruit woods that could be stained the color desired.

The age of walnut in England was also an age of marquetry and inlay and veneer, because walnut was too precious to be used solid. Then too, the cabinet makers appreciated the flowing and opulent lines of this wood. Edward I. Farmer

(Continued on page 102)

(Right) This interesting modern chair, designed by the French decorator Andre Groult, is covered with straw applied to form radiating lines on the back. The deep cushion is covered in brilliant plaid wool.

The decoration of the Adam commode below is achieved entirely with ornamental woods. Veneered and inlaid with East Indian satinwood, hollywood, box, sycamore, mahogany, holly and thuja.

In the age of walnut in England cabinetmakers used this wood as veneer, making decorative designs with the strongly marked graining. At the left is a walnut secretary with ornamental oyster marquetry. Edward I. Farmer.
The rooms illustrated show excellent examples of Biedermeier furniture made of woods varying from the light apple wood and pale ash of table and chair in the foreground above to the darker tones of Hungarian walnut and mahogany used for the desk and sofa.

Walls are lemon yellow with gray trim. Curtains of lemon chintz bound in green hang from cornices covered in wall paper. Chair coverings are yellow and green, and the Bessarabian rug has a black ground with scrolls in green and henna.

(Left) In a bedroom Biedermeier chairs are covered in green and black. Walls are white with bright green trim and prints of the typical Biedermeier lady are framed in gray and green. Louise Tiffany Taylor and Elisabeth Low, decorators.

Four Rooms Furnished And Decorated In The Biedermeier Taste
IN August 1928, House & Garden, in a comprehensive article on Biedermeier furniture, prophesied a revival of interest in this style. That was the beginning. Not long after, several enterprising decorators began featuring Biedermeier furniture, extolling its adaptability and suggesting its use in both Empire and modern schemes. Such an interesting development in decoration was not overlooked by progressive New York department stores, a number of which were soon exhibiting excellent examples of Biedermeier design. So grew an interest and appreciation of this decorative style which reaches its latest development in the house illustrated on this and the opposite page.

Biedermeier furniture, so named for "Papa Biedermeier", a purely fictitious character enlivening the pages of the Fliegende Blätter in the early part of the 19th Century, is the German, Dutch and Scandinavian expression of Directoire and Empire styles. The pieces are a trifle heavier than their French prototypes, more simple in contour and less elaborate. If much Biedermeier furniture seems to lack the delicacy and aristocratic grace of its French ancestors, this omission is atoned for by a vigor and freshness of design and by a brilliant use of contrasting woods. Outstanding in Biedermeier furniture is the employment of ebony or black details with light woods.

(Top of page) In this bedroom with green walls and mull curtains, the bed is covered in green and yellow silk. The chair is an Empire version of Biedermeier and the table at the left is of later date when designs grew to be more fantastic.

(Center) Walls are apricot pink with gray trim and the rug is white patterned with pink rose wreaths. The bed of apple wood is a German version of our own sleigh bed. The remainder of the furniture pieces are in light toned woods.

(Right) Another view of the bedroom shown on the opposite page. Curtains are white embroidered mull and the rug is Bessarabian. The bed and the small table are the Biedermeier conception of Directoire design. Louise Tiffany Taylor and Elisabeth Low were the decorators.
The Care And Refinishing
Of Old Furniture

Marjorie Reid Rodes

EACH piece of old furniture which we possess, whether it is a family heirloom, a prize brought back from some personal adventure or an acquisition through the most prosaic channels, is a valued possession. Such pieces give mellowness and dignity to our rooms and form pleasant connecting links between ourselves and that aura of romance which surrounds remote periods and places.

When old furniture comes under our care it is a duty as well as a pleasure to preserve or restore its beauty. Fine wood that has been too long neglected or, still worse, has suffered the indignity of opaque paint, will need a complete "doing over." But even this process is one which the amateur need not hesitate to attempt if the methods of the cabinetmakers are carefully followed.

PRIMARY NEEDS

Furniture needs plenty of fresh air and moisture. The tone and finish of many beautiful old pieces have been destroyed by the dry climate and overheated houses in this country. This applies especially to furniture brought from England, which is said to require at least a year to become properly acclimated. The windows should be opened frequently and there should be an uncovered vessel of water in any room where there are fine pieces during the months of artificial heat. The air will save the wood from becoming lifeless and dull and the water will prevent dryness and cracking.

It is easier to keep furniture in good condition than to put it back in shape when it has been damaged by neglect. All it needs under ordinary conditions is to be gone over every week or two with oil. A rubbing oil may be purchased from a reliable cabinetmaker for the purpose. Boiled linseed oil is equally good and is said to be the only preservative used by several well known collectors of old furniture. Linseed oil is often combined in equal parts with turpentine and white vinegar to avoid stickiness. It should be applied sparingly with a soft wool rag, left on a few moments and then polished with a dry, soft cloth. The rubbing should be done with moderate pressure and continued until all oil is rubbed either in or off. Oil repeatedly left on the surface will spoil the polish.

Rubbing with oil will usually cover superficial scratches. If surfaces are deeply scratched, or cracked, they are sometimes filled with a paste of thick gum arabic colored with dry pigment to match the wood—Venetian red for mahogany, raw umber for maple, etc. A hole where the wood has been actually gouged out may be filled by using stick shellac of a matching color, melted on a heated knife blade.

Waxed furniture may be renovated by an application of liquid wax instead of oil and a daily dusting with waxed cheesecloth. Or a mixture of beeswax and turpentine may be used, as described further on in a formula for rubbing. Some prefer this to an oil polish on any type of surface, but it needs more rubbing. Varnished furniture which has grown dull will be revived by a sparing use of crude oil on a piece of flannel, which should be followed by a vigorous rubbing with soft silk. To revive a hard glazed "French polish," use equal parts of turpentine, vinegar, alcohol and plain linseed oil. If furniture has developed the cloudiness known as "gloom," it should be sponged with cheesecloth wrung out of the following mixture: one tablespoonful of vinegar, one tablespoonful of linseed oil and two tablespoonfuls of turpentine in a quart of hot water. This treatment should be followed by oil or wax polish.

REFINISHING

Many old pieces, unfortunately, have been improperly finished or painted, and the only thing to do is to clean the surface and begin over again. If the old surface is wax, sponge it first with turpentine and then use a painter's scraper. For paint or varnish, a paint remover is usually necessary. This should be brushed on in a well ventilated room and left until the finish is soft and easily scraped off, the surface afterwards being washed with denatured alcohol or benzine as called for by the brand of remover used. Where ink or other stain has sunk deep into the wood it is best to use hydrochloric or oxalic acid as a bleach. A few teaspoonfuls in a cup of warm water are sufficient. Rub the solution on with a cloth and repeat as many times as necessary, allowing each coat to dry. Wash off the residue with soap and water.

When a surface is thoroughly clean and dry, it must be made smooth before any new finish is applied. This should be done with fine sandpaper (No. 00), supplemented by fine steel wool to be used for crevices and rounded surfaces. It is sometimes helpful to fold the sandpaper over a flat block of wood. Always rub with the grain. The entire surface must be smooth to the touch and all particles of dust must be wiped off with a soft cloth before refinishing.

FOR UNIFORMITY

Various solutions are used by cabinetmakers to get uniformity and depth in wood tones, particularly where a piece has been patched with new wood. For mahogany, a saturated solution of bichromate of potash may be used, applying several thin coats. This tends, however, to darken the lighter woods too much. On maple, permanganate of potash may be applied in the same way. Pine is sometimes treated with a tablespoonful of household lye and two of strong washing powder, dissolved in a cup of water. This is especially useful in matching new wood to old. Linseed oil will darken and enrich the wood tones but its effect should be tried out in an inconspicuous place as its action varies. One piece of wood will be mellowed and beautified by the oil, while another will become too dark, and quite lifeless. Dilute the oil with one-third part benzine, apply it liberally with a stiff brush and allow it to stand twenty-four hours, after which the surplus should be wiped off.

All caustics mentioned above should be used with considerable care to avoid the chance of injury to hands or clothing.

If the tone of the wood is to be definitely deepened or changed, it is best to dissolve a small amount of pigment color in turpentine. Raw umber used on such woods as birch, poplar, pine, whitewood and the fruit woods

(Continued on page 110)
In addition to arresting color schemes, the interiors on this page illustrate practical and effective furniture groupings. Although the rooms are limited in size, the numerous pieces have been so artfully placed that there is no sense of overcrowding. In the living room above, walls are pine, the carpet a rich bottle green and the damask curtains flame color. The sofa is covered in flame and green linen. Chandler Ireland is the apartment’s owner and decorator.

Walls and woodwork in the breakfast room at the left are pale green, this color suggesting space. Flooring is black rubber inlaid with brass stars and the curtains are modern voile in three shades of green. French furniture is appropriately small in scale. (Below) Chartreuse walls, blue ceiling and Venetian blinds, and a burgundy carpet are striking color notes in a French bedroom. Curtains are of Directoire chintz in chartreuse, green, blue and burgundy.

Well Arranged Furniture
And Interesting Colors In
A Decorator’s Apartment
At Lidingö, an island township outside of Stockholm, is the home of Carl Milles, the noted Swedish sculptor. Superbly situated on a promontory overlooking the Baltic, the rambling house with its terraced garden offers many ideas in decoration adaptable to this country. Furnished for the most part along traditional lines, the rooms show a variety of distinctly Swedish detail.

Outstanding among the many interesting interiors is the library, illustrated above, distinguished by a Classic background and Swedish furniture of Empire design. Walls are pale gray with cornice, stiles and dado finished a deeper gray; moldings and ornamental details are picked out in antique white. The furniture is gray with white decorations, upholstered in green satin. On the parquet floor is a hand-woven Swedish rug.

**Swedish Empire Furniture**

**And A Tiled And Painted Breakfast Room**

**In A House On The Shores Of The Baltic**
(Above) A small breakfast room is very light and gay owing to a color scheme of white, brilliant blue and green. Walls are white decorated with blue and white tiles. The built-in dresser, with its charmingly shaped door frames, is white ornamented with painted decorations in bright blue. As the round window frames a lovely vista of garden and sea, it is left uncurtained.

At the left is a view of the adjoining kitchenette where the walls are marbled pale gray and white, with deeper gray wood trim. The flooring here and in the breakfast room beyond is green striped linoleum highly varnished. The round recessed window is repeated in this room and above it is an ornamental lighting fixture of creamy opaque glass in the form of a graceful shell.
A Review Of Individual Gas Systems For Country Homes

Elizabeth Hallam Bohn

SHINING cylinders of high-powered gases make it possible for the country dweller to use one of the alluring new models in efficient gas ranges, water heaters, refrigerators, laundry equipment, radiant heaters and even lighting systems. While for those who spend their summers on the water this wonder fuel is put up in more compact form to make yacht or houseboat a rival of home in completeness of kitchen comfort.

There is a formidable list of gases to perplex the seeker after the most suitable for his use, and the matter of local service will often be the determining factor in choice between many satisfactory varieties. The simple equipment required consists of two steel cylinders, snugly fitted into a locked steel cabinet which is mounted on a concrete base located outside the house.

OPERATION

These cylinders contain the concentrated fuel—a product of natural gas, refined, purified and compressed. Most of the tanked gases are in gaseous form at room temperature and the fuel is drawn from the top of the cylinder through a reducing valve which cuts the pressure down to the amount required by the appliance it is serving. Safety devices prevent the building up of too high a pressure in the house. Direct from cylinder to the appliance the fuel is piped, exactly the same as city gas. Indeed, should urban service become available, the piping is ready for the transfer. When one cylinder has yielded up its contents, the turn of a switch connects with the second container and a call to the service man brings a fresh cylinder to the door.

Other gases are liquid and draw from the bottom of the tank, first reducing from high to low pressure and then to gas, or demanding a special pre-heating burner to gasify the fuel.

Final proof of the safety of the equipment under consideration, is the approval of the Underwriters and a definite check-up should be made, before a purchase is consummated, that the particular brand has passed their rigid specifications.

Many of the bottled gases are offered with the claim that they will serve any existing equipment. A slight change, however, is necessary in the burner to allow of a greater air supply. For the bottled gases an account on their extreme heat and purity need nearly seven times the amount of air necessary for the combustion of ordinary gas. In the new appliances this adaptation is made at the factory and in ordering any equipment for these fuels, the name of the gas to be used should always be given. Where an older stove or water heater is to be equipped with the new gas, the service man who installs the system will make the change and no one else should be allowed to have a hand in this adjustment.

With a perfect balance between gas and air, the flame will have a bright blue inner cone, sharp and clear, with an almost invisible edge of pale violet. This is the hottest and most efficient flame possible. Where air is insufficient, the inner blue cone is blurred, and slack and yellow tips appear at the edge. Not only is such a lazy flame not as hot, but it will leave a discouraging and highly unnecessary trail of soot on shining saucepans. Sometimes this yellow-tipped flame is merely an indication that there are only a few hours of fuel left in the cylinder. Too much air causes flame to lift away from burner.

EQUIPMENT ADVICE

A few of the manufacturers sell their equipment only in units with range complete, in order that the most satisfactory results may be obtained. For there is no doubt that sometimes blame is placed on the fuel when, in reality, leaky joints or too great radiation may be causing waste of gas and poor results. Other companies cooperate with the manufacturers of equipment and maintain services to advise on which equipment will best suit individual needs. For instance, a simple arrangement of a water heater has been devised which is economical, gives hot water quickly for kitchen use, and if operated for a longer period will heat the contents of a tank. A great saving of fuel is effected by the insulation of the tank.

Laundry equipment such as mangles, ironers and clothes dryers, all come within the scope of bottled gas service. Radiant heaters send out their grateful rays at the advent of a cold snap. And where the old-time servant still insists on a perpetually boiling tea kettle and a constant fire, there are the combination coal and gas ranges to supplement the comfortable coal range with the more flexible fuel.

GAS REFRIGERATOR

Then there is the newest comer in the gas-served field, the gas refrigerator, carrying on its silent benefactions through a tiny constant point of gaslight and a trickle of water. Here, too, the kind of gas should be specified when ordering a refrigerator, for the burner must be closed down to consume much less gas than is required with the manufactured product.

It is difficult to estimate the cost of comfort, of speed and of complete cleanliness, all of which are provided by efficient gas devices served by bottled fuel. Even the comparative cost in dollars and cents can only be roughly computed. For no two families do the same amount of cooking. In one home, canning and jelly making may be part of the routine, with long time roasts and puddings to satisfy a large family's appetite. In another, efficiency in operating may be the chief consideration. In still another family there may be a prodigal cook at work who lavishes goodies and gas with the same generous hand.

In comparing bottled gas with the cost of city gas, an old bill will give the number of cubic feet used in a month. One cylinder of this particular gas equals approximately 5,000 cubic feet of city gas, so the monthly cost is easily computed.

(Continued on page 104)
A flavor of Victorianism pervades this bedroom in the home of Mrs. J. H. Ottley, Glen Head, L. I., where early 19th Century rosewood furniture is combined with mahogany of an earlier date. Delightfully reminiscent of the best phases of Victorian decoration are the flowered walls, festooned curtains and swag drapery about the base of the chaise lounge.

Walls are covered with a white ground paper patterned in a gay design of rose clusters and lace. The curtains are of yellow percale trimmed with a rose flowered border and finished with a swag valance. Flower bordered white muslin makes the bed hangings; the bedspread is of old hand woven white cotton.

Upholstery fabrics used in this room are unusually colorful. The side chairs are covered with yellow percale decorated with a painted design of roses. On the sofa in the far corner is a small patterned chintz having a yellow ground. The chaise longue is upholstered in red satin. The plain toned rug is a grayish taupe shade.

A Portfolio Of Eight Bedrooms Illustrating French And English Decorative Treatment
This Bedroom On Long Island Is Decorated

With Mixed French And English Furniture

That furniture of different periods can be combined successfully is apparent in this interesting bedroom where the pieces are a mixture of French and English styles. Beds, desk, corner table, and chest are 18th Century English; chairs are Directoire and the chaise longue is an English interpretation of Directoire.

Walls and wood trim here are soft yellow and the curtains are of green ground percale patterned with red and yellow flowers. A yellow chintz sprinkled with red rose buds makes bed curtains and valance. Beds are painted light green with design in gray-white; spreads are of old embroidered white mull.

Two benches have pads in red, green and white plaid silk; the chaise longue, painted black and gold, and the chair in the window are covered in red satin. The Directoire armchair is in red and white striped percale. Room is in the residence of Mrs. E. Mortimer Barnes, in Glen Head, L. I., Thedlow, Inc., decorators.
French Furniture And Decorative Schemes
Dominate In Two Country House Interiors

A charming French provincial guest room in the home of Mrs. E. Mortimer Barnes in Glen Head, L. I., has bed alcove faces and dado paneled in oak. The remaining walls, window curtains, and the hangings and spreads on the recessed beds are of red, pink and white toile. Chintz with an eggplant ground patterned in red roses and green leaves covers the chaise longue and slipper chair. The rug, which was woven especially for this room, is pink, red and white. Furniture in the French provincial manner, is of oak and fruit woods.

(Below) Another unusual guest room has red and blue wall paper, embroidered muslin window curtains with blue and white checked silk valance trimmed with plum colored bows, and mixed French provincial and Colonial furniture pieces. This bedroom is in the residence of Mrs. Carroll Alker at Brookville, Long Island, of which Thedlow, Inc. were decorators.

Samuel H. Gottscho
Antique Scenic Paper And Effective Use Of Flowered Percale For Walls And Curtains

(Left) Old scenic paper forms an interesting and colorful background in another guest room in the Long Island home of Mrs. E. M. Barnes. Wood trim is painted blue-green, the dado being painted to simulate paneling. Bedspreads are green percale and the voile curtains hang below blue-green taffeta valances.

A decorative feature of the room below is the use of brown printed percale for both wall covering and curtains. The dado and fireplace wall are paneled with pine wall paper; cornice is pine. Antique Louis XVI beds, old white with blue decorations, have bedspreads of brown, white and blue checked taffeta.

The wing chair is upholstered in a brownish-plum quilted petticoat. One armchair, painted a light blue, has a covering of old blue and white chintz.

The residence of Mrs. Carriill Alker at Bookville, L. I. Thelhour, Inc., decorators
(Above) Also in Mrs. Alker’s Long Island home is this charming bedroom distinguished by a delicate and unusual background. The walls are carried out in old white, painted in the 18th Century Italian manner to simulate plaster decoration. The narrow bands which form the panels are pink with rococo decorations in white.

The bed covering, spread and canopy of old French flowered percale with a white ground are bound in cherry red gimp. Cherry color also is the satin slipper chair. The armchair is painted white and upholstered in flowered chintz; red and white striped chintz covers the side chair at the window. The carpet is taupe.

(Right) This charming bedroom for a young girl has an appropriate wall paper of white satin and lace stripes, with a lace and ribbon border. Window curtains of white taffeta have an azure blue satin swag valance trimmed with white cotton fringe, and soft white voile makes the bed canopy.

Canopied Beds Hung In Delicately Toned Fabrics Reflect The Country Atmosphere
Silverware From The Orient

A Glossary For Collectors

Mr. and Mrs. G. Glen Gould

A FALSE impression is prevalent that Orientals did not and do not use silver for domestic purposes, especially for tableware as is done in Europe and America. The fact that complete table services of either silver, gold, or jade were in vogue in China in the Ch‘ien Lung period (1736-96), quite as distinctly as in Georgian England or 18th Century France, corrects this impression permanently. Doubtless the distribution of silver plate was less wide than in Europe or even in America, just as the distribution of all luxuries in the Orient has been for ages confined to royalty, the nobility, and the few notable families that have acquired wealth.

Oriental silverware of such varied provenance as Persia, China, and India, can be grouped together as rationally as can that of Continental Europe, and for more than one reason. The art of each country touched that of the others very anciently, and Chinese medallions and Persian arabesques were interchanged. Religion, too, played a conspicuous part, especially Taoism, Buddhism and Mohammedanism. Each had its carefully preserved symbolic motifs and modes of decoration, and religious ornament and symbolism were not considered unfit for articles of household use.

Much less is known, as a matter of general information, of Oriental silver-work than of Occidental. It is as a whole somewhat extraordinary to Western taste, largely because of its lavish ornament. Not that "grotesque and extravagant fantasy" are natural to the Oriental craftsman, as is claimed, but tradition and symbolism—religious, philosophical and literary—are essentials of decoration and so must be interwoven and enriched in the ornamental design. Symbolism is often outstanding in China and Japan; hidden in cryptic meaning of trees and flowers in Persia; and either bold or cunning in the script-adorned metal-work of the Saracens. As to the articles, there is such an assemblage of bowls as is undreamed of in our Western World, for the bowl in the Orient is often plate, dish and cup combined. Cups, tumblers, shallow saucers, plates, jars, jugs, ewers, vases or carafes of many forms, with or without handles, goblets, tazzes, buckets, basins, rose-water sprinklers and above all the suave outline of the boat-shapes rival the often more hasty work of the West.

Bronze is China’s favorite art metal. Enriched with precious metals, as in these vases, it becomes superb. A dragon design and one of magnolias are in silver and gold. American Art Association—Anderson Galleries, Inc.

Below is an interesting collection of typical old Persian and Indian silver cup holders, executed in pierced and filigree work, made to hold handleless cups for eggs and coffee. These are shown by courtesy of Daniel Z. Noorian.
Beautiful Indo-Persian silverware in filigree and pierced work was not confined to jewelry alone, but was used also for such domestic articles as those above. Courtesy of Daniel Z. Noorian

Syro-Egyptian brass-work was frequently enriched by inlaying the design in silver and gold, as in this incense burner, second half of 12th Century. Shown by courtesy of The Metropolitan Museum of Art.

Decorative processes include repoussé hammered work, chiseling, chasing, enamel and filigree, inlaying or damascening on other metals and work in the round for statuettes.

When Oriental silver objects are brought home from Asia, bought at home from a dealer or at an auction, all too rarely does any definite information change hands with the object. Orientals, if we except the Japanese, are not forward in volunteering such information to a casual purchaser, but to any one with what they deem "an understanding soul" they will give of the riches of their ancient knowledge with a magnificent gesture.

Arabian: See Saracenic.


Asia Minor: Greek classical influence mingled with that of Mesopotamia and Syria, and later Saracenic influences. See Saracenic.

Assyrian: See Mesopotamian.

Burmese: Silver vessels exclusively for royal use until mid-19th Century. Old work—very light weight, figures in low relief; Chinese and Indian influences. 18th-19th Centuries—European and other foreign influences. Two 19th Century schools of work—Rangoon: restrained, accurate, formal; Thayetmyo: free, bold, less exact. Chasing, repoussé and detached figures typical, with piercing and burnishing of parts of design. Bowls, cups, betel-nut and lime boxes typical. Bright silver design on black ground a favorite.

Chinese: Prehistoric use of silverware, ancient pieces usually attributed to pre-T'ang period. Han Dynasty (206 B.C.-220 A.D.) and earlier objects in bronze with elaborate silver inlay; vases, cups, mirrors, lanterns, etc., all of silver or parcel-gilt; delicate inlay, repoussé and pierced work; ornament typical of period—spirited figures, mythological animals, scrollwork, and fret. Distinct change of design in T'ang period (618-906) and later; floral, foliage, and animal motifs more realistic, especially graceful and beautiful in Sung period (960-1277); extremely low and delicate relief typical. Bowls, boxes, chatelaines, chopsticks, cups, ladles, spoons, saucers, ornaments, statuettes, scholars' articles, hair ornaments, scissors, sacred vessels, table and toilet wares of silver or bronze with silver inlay. Pierced balls for incense or perfume suggest the Moorish balls of Spain though of different design. 13th Century—cloisonné enamel with silver bands. 14th Century—inlaying on small vases and art objects extremely delicate; fantastic and rural designs predate the French chinoiserie.

Little silver inlay on bronze since 16th Century. Entire table-services of silver, gold, or jade, used since 17th Century. 18th Century—great luxury, especially in Ch'ien Lung period (1736-96); many charming trifles: snuff boxes, opium boxes,

(Continued on page 98)
Plant Carpets To Spread On

The Garden Floor

P. M. Koster

WHEN all has been said and done, Nature is the greatest of landscape architects. Her colors never clash, her compositions are marvels of design. From an overwhelming wealth of material she selects wisely, planting sparsely here and lavishly there. From tallest tree to lowest creeper, each is fitted perfectly into its place. Her effects are as varied as the materials which enter into them, but of them all perhaps none is more successful than that achieved with ground-cover plants.

What a varied company they are, these broad plant carpets spread across otherwise bare ground! Trailing-arbutus, Bearberry, Wintergreen, Buttercup, Violet, Clover, Daisy, Goldenrod, Aster, Dwarf Blueberry, Troutlily, Anemone—running the whole gamut of colors and forms. Their splendid example may well be taken to heart by us in planning our gardens.

To be sure, in some ways we are more exacting than Nature; we want a more lasting effect than many of the native wildflowers offer us. We want evergreen effects, attractive all the year round, or perhaps a blanket of flowers and attractive foliage. The design of the garden may demand ground covers of even height in some places; in others a billowy effect may be sought. The color of flowers and foliage must stand a severe test; some, beautiful by themselves, lose their charm when shown in masses. Dead flower stems or unsightly remnants of plants are ruled out. The plants must be able to stand trampling upon so that we may pick weeds if necessary and keep them in shape.

We need ground covers some of which will grow in dense shade, others in full sunlight and others again in partial shade. They must be long-lived; once planted, they should be beautiful and useful for a succession of years. If empty spaces occur, the plant itself is expected to fill them and crowd out presumptuous weeds.

Too seldom are conditions created that are favorable for the plants to develop all these qualities. We will select, if we know or are properly advised, the right kinds for shady or sunny places, but as to soil, most people go to very little trouble. In many instances the plants must be contented with mediocre soil, be it light or heavy or sandy.

To obtain the best results, proper care must be taken of the soil before planting. It should be well plowed unless the roots of existing trees prevent such treatment. Especially in low places the soil must be plowed or spaded deep, to secure the proper drainage. If large spaces are to be covered with ground covers, it is advisable to sow a crop of Cow Peas or Hairy Vetch or Oats, in order to supply humus to the soil and at the same time destroy many weeds; very few need fertilizers.
Ground covers are particularly useful where grass refuses to grow, as under big trees and in shady places, near steps and stone walls and fences or other places inaccessible to the lawn mower. They are of value as a border between the lawn and the house or between our hedges and the walks; as well as next to our evergreen groups or rock garden. In all these places grass may be just as beautiful but the proper care of grass in such places takes a great deal of time, whereas the proper ground cover will not need any attention.

In larger gardens ground covers are an element of beauty. A embankment planted with them, a clearing between the woods covered with a sheet of flowers in spring or summer, accompanied by lovely foliage, is very beautiful. Separate groups of conifers or shrubs, not too far away from each other, may be effectively joined in one planting by a suitable ground cover. An edge of ground covers of different greens and flowers, between the lawn and the woods, enhances the design and color of the garden.

There are several other places where the skills of landscape architect, knowing ground covers well, can plant them successfully; by doing so he will take the garden out of the class of standardized types. Nature certainly does not standardize, and gardens should not; the available material to make them is too rich to justify such action.

Which are the plants answering the many requirements outlined thus far?

For a moderately formal year-round effect there is much to be said in favor of English Ivy. Grown as a ground cover, and protected with leaves or a few evergreen boughs in winter, it is hardy well up into New England.

There are too many for all to be mentioned. Some are now extensively used, like Pachyandra terminalis, the Japanese Spurge; it is almost as indispensable as grass. Others are used here and there but they are always beautiful if used right. To give a comprehensive view of the principal ground covers they may be divided into two groups, those which are evergreen or nearly so and those which are not. This classification will render it possible to make an intelligent choice. Let us first consider evergreens.

Arctostaphylos uva-ursi, Bearberry, is one of the most interesting ground covers we have; it is widely spread in America and the Highlands of Scotland and Wales are covered with it. It is a low trailer, forming a dense mat of dark green, leathery foliage, blooming with small clusters of pink flowers from April until July. A scarlet fruit

(Continued on page 116)
Worthy Annuals To Enhance
The Rock Garden’s Corners

Louise Beebe Wilder

Keen rock gardeners, I find, as a rule are rather snobby about the use of annuals among their precious mountain plants. As a matter of fact, if we are making a strictly alpine or high mountain collection—if consistency is our jewel—annuals must indeed be ruled out. Mr. Correvon in his fine new work, Rock Garden and Alpine Plants, has this to say: “Annual plants, so abundant in the vegetation of our plains, are almost entirely missing above the snow line. Up there the short summer does not allow these plants to accomplish in one season the complete cycle of their existence. The only species which are not perennials are some Euphrasias, some Looseworts, and one or two Gentians.”

But—and there must always be many buts where lowland rock gardening is concerned—here as elsewhere circumstances alter cases; in many instances annuals may be used with the greatest propriety in the rock garden, even a quite exclusive one. They may be used to repair the ravages of an unusually savage winter season, or to fill blanks among the hills while the toe of one’s stocking is filling with the wherewithal to buy good, durable—if expensive—perennials. Again annuals may be called in to do yeoman service in carrying color into the summer and autumn months when rock gardens are not commonly at their most colorful, and not the least important of their missions is to spread a bright coverlet over the bare spaces which have been left by the subsided spring bulbs.

Yes, certainly there is almost as much reason for annuals in the rock

From California comes a charming Poppywort, Limnanthes douglasii, whose slender, half trailing stems carry many large, frail blossoms that are white with a yellow base. A strong growing annual that self-sows and tends to over­ride less sturdy neighbors.

Baby Blue Eyes is the name often given to the Nemophila, a well known California annual. One of the cheeriest species is N. maculata, a little plant of spreading habit that does well in a shady place and bears white flowers with a purple spot on each petal.

Donald F. Merrett
garden as there is in the level beds and borders of the main garden. But—and this is a very large but, indeed—not just any annuals of dwarf stature will do by any means.

Certain low-growing annuals, by reason of an appearance of finish or sophistication—an appearance more readily sensed than described—or because of their association in our minds with the ordinary border world, are not suitable for use in the rock garden. There is of course no hard and fast rule governing the use or exclusion of certain annual plants in the rock garden; it is merely a matter of taste, a sense of fitness that admits some and shuts out others. For instance, it seems very plain to me that dwarf forms of Zinnias, Marigolds, Snapdragons, Ageratums and the like should be banned, and likewise such naturally low-growing plants as Sweet Alyssum, Candytuft, annual Pinks, Dwarf Morning Glories, Mignonette, Phlox drummondii, Nemesis, Nasturtiums, Petunias, Verbenas, Lobelias and so forth. These belong essentially to the larger masses of the borders.

On the other hand there are numerous plants that look at home among the stones of the rock garden and among its small citizenry. But few books on rock gardens identify them for us. Mention may be made of one or two, seldom more. I have been searching out and experimenting with these small annuals for many years and the information that follows is the result of these experiments. No one will want to grow them all in one season; indeed it is not possible to find them all in seed lists every year. They come and go. But many of them have great charm and it is interesting to make the acquaintance of a few each season until it is known which will best fill our requirements. Many of them, it will be noted, are California wildflowers and among these are some of the very prettiest.

As in the case of all annuals, the chief necessity of the dwarf kinds is plenty of air and elbow room. They should be thinned out drastically as soon as they are of a size to begin crowding each other, and again if later they seem not to have full space for healthy development. They must be watered, weeded and kept from seeding if a long season of bloom is sought. Some it is best to start indoors or in a frame, transplanting them outside when settled weather arrives; some will self-sow and be on hand for years once they are admitted; nearly all require full exposure to the sun; some are sweetscented and therefore doubly welcome. All those named below justify admittance because of some charm or for the gaiety of their blooms. A few biennials are included.

(Continued on page 112)
Pentstemons That Bring Rainbow Colors Into The Garden

Anderson McCully

It is difficult to understand why the Pentstemons are so little known in American gardens. Like the fabled rainbow's end that leads us right back to our own doorstep, many of them are brought back to us from European nurseries, though they are all, with the exception of *P. frutescens*, strictly American plants.

Pentstemons resemble the rainbow not only in the end, but also in their brilliant range of color—no more striking true blues, reds, violets and purples are found in the plant world. There are also a few whites, creams and golden yellows. Their season of bloom is long and comes to its greatest best late in summer and on through fall. High summer's heat seems only to call forth a fuller burst of glory—so great sometimes that weaker plants die with the effort, though leaving seeds that may be sown for a goodly progeny to follow.

There are at least one hundred and fifty American species, besides the splendid race of horticultural hybrids. Among them are so many differing habits, forms and colors that we can use them all the way from tiny rock garden crevice to largest border. One thing they do ask for is sun. The hybrid *gloxinia* varieties and some of the Mexican types need considerable winter protection in coldest gardens; but when this is not readily available, they may be treated as annuals by sowing seed indoors or in a frame during early March.

The taller border types, particularly the hybrid forms, do best in rather a deep, rich soil. The lower growing high mountain forms are often more pleasing when given a frame of meager fare. Too rich a diet tends to leafage rather than bloom. Many of the rock garden kinds have a shrubby evergreen, or semi-evergreen, prostrate or low habit, such as *Pentstemon barrettiae*, *P. newberryi*, *P. rupestre* and *P. mexicanus*. Others grow more after the manner of the Harebells. Then among the larger border plants are several goodly sized shrubs, the golden yellow Snapdragon Pentstemon (*P. antirrhinoides*) reaching sometimes five feet with considerable spread.

There is one climbing type in the vermillion Heartleaf Pentstemon (*P. cordifolius*), that brings something about much after the Honeysuckle manner.

For a medium tall border or bedding out plant, probably none can surpass the hybrid strain built up largely from *P. hartwegi* and *P. coerulea*. Sensation is a good variety among these. The beautiful Gentian-blue plant that some nurseries offer as *P. heterophyllus* would make a splendid edging and is much harder than the foregoing.

When it comes to naming names, we perhaps tread upon one of the real reasons why Pentstemons are not better known in gardens. Not only do no two nurseries seem quite to agree—no two botanists are apparently willing to bestow the same name upon the same plant. They use the same names and the same plants, but they just seem to shake the bag all up again and take a fresh drawing. I believe one reason for this is that the Pentstemons are widely spread through our western mountain ranges and are prolific seed bearers, making numerous natural crossings; then climbing to dizzy heights, descending to salt water, or creeping over interior deserts, each of them will breed just a little different form and color and habit. Where possible, choose your plants after seeing the blooming ones in the nursery. Otherwise read the description of your own dealer carefully to be sure you are really getting the plant you wish.

It is not a hard and fast rule by any means, but I have noticed that, generally speaking, the true blues come from the North or from glacial moraines, and the brilliant reds and brightest yellows from Southern California and Mexico. The lay-
February, 1931

Enders and purples seem rather intermediate, or extending principally north with considerable mountaineering wanderlust. It is rather a rough guide for garden hardiness. The true alpine forms will of course prove quite hardy.

Penstemons are very easily raised from seed sown in the usual way. The more tender ones may be wintered over in a frame. They may also be grown from late summer cuttings, or in many cases, from fall division. Seeds, however, are the more usual method of propagation.

Red To Pink Penstemons

P. oreganus, pink to rosy purple.
P. richardsoni, pink to red.
P. rupestris, flaming reddish rose.
P. barbatus, scarlet.
P. centranthifolius (Scarlet Bugler), vermillion.
P. parryi, smaller than above, flaming scarlet to vermillion.
P. torreyi, vivid scarlet.

Yellow

P. antirrhinoides, golden yellow, evergreen shrub, tender.
P. drummondi, yellow, red-brown throat, eight-inch shrubby creeper, hardy.

Good Blues

P. alpinus, clear, a fine color.
P. aridus, vivid, clear.

(Continued on page 110)
Characteristics Of The Spanish Style Interpreted For America

Gerald K. Geerlings

"No wonder you told us we might see Spain, but not her houses! It is a continuous fiesta for all five senses. And such a medley of colorful life—or should I write, lively color? It is exactly what you predicted: the family is always being so much engrossed by what happens that they never observe the background. In the morning we are always getting mixed up in traffic tangles of goats in the streets as they try to evade being milked. Burros with huge paniers and lounging owners atop, shunt us from one side of a narrow street to the other. The approved spot for several chairs draped with all manner of clean, soiled and amazing clothing is on the street in front of the doors, unless several good wives are seated on them for energetic gossiping duties. When occasionally we remember to concentrate on walls we are too fascinated by the bits of posters depicting the carnivorous qualities of past bull fights. . . . The glimpses in the patios at Cordova were tantalizing, and looked as though they would fit our purse and taste. But the big show places that are open to the public, like the Alcazar gardens at Seville, are much too rich for our blood. . . ."

A perfectly natural letter coming back from a friend touring Spain in quest of ideas for a new home. Spain is baffling. Even to the trained architect prepared for a galaxy of life and color, it creates a pattern so engrossing that the architectural background seems only incidental. In England life flows by so placidly that its hedges and buildings allow themselves to be photographed by the retina, but in Spain the kaleidoscope requires an analytical motion picture camera which will record what can be reviewed later at leisure. To the traveler (in person or in books) Spain is like the tempting restaurant which offers such an array of appetizing hors-d’oeuvre that sampling all of them leaves no capacity for the more nourishing courses which follow. The result in our American adaptation has often been to build a box-like shell, encrusted by several dozen imaginative motifs. If these have usually lacked unity and charm it is certainly but
little wonder, for they have not been con­ceived in the atmosphere nor surrounded by the environment of the originals.

The problem of the modern house in America inspired by Spanish tradition must be approached from another angle. The modern trend in architecture follows the lead of sound sense and economics, namely, to insist on forms having usage, and an appearance which bespeaks its purpose. There is a point in the design of every house where there must be a nicety of discrimination between decoration which is genuine and helpful, and ornamentation which is pure affectation, whether it be excused on the grounds of archaeological accuracy or not. Just as in modern women's dress inspired by historic costumes it is adaptation of line rather than insistence on discomfort, so too in the design of a house there should be employment of those motifs which will add to the beauty of the house only if they are likewise suited to modern comfort, requirements and materials.

Probably not since the Renaissance has a people been as zealous to discover new forms of forgotten architectural lore. When the recent interest in the Southeast was in full swing, almost overnight a Spanish stage set was created on a grand scale. California has for some years been enriched by entire communities built in this style by talented architects. But in other sections of the country, except for an occasional isolated example (there is such a one in Milwaukee on Prospect Avenue), it has been felt that the style has been inappropriate. If the site be relatively small and hemmed in by homes in other styles, it is quite right that Spanish inspiration should have been discarded. But if one's plot has a width of seventy-five feet or more, and one be more interested in erecting an imaginative house at a reasonable cost than in assembling a series of bona fide details, there is every reason to investigate the architectural possibilities offered to us by the Iberian peninsula.

The Spanish, like the Italian, is a style which depends more upon mass and simplicity than expensive roof and details. Even though one decide to "go modern" with a Carusier sort of domicile, it would still be worth while to browse through photographs of Spanish houses. While in Italy there are a certain classic restraint and a subconscious feeling for arrangement in even the humble architecture, the Spanish seems to have been done with more abandon and dash. The most monumental edifices, when compared to similar ones in Rome, seem never to take themselves too seriously, but have a way of winking at you as though to say, "I know I should behave punctiliously but it is such

(Above) Regardless of site or requirements, a Spanish house will consent to any contortions you desire. Moreover, it can be built in stages, adding rooms or wings from time to time. A variety of arched loggia features make interesting opportunities for garage and porch

Elimination of a patio because of the moderate size of a house need not check the Spanish influence. An enclosed garden can give a patio-like effect and also offers a solution for only partial landscaping in the early years. Later the ground at the rear could be developed
Here a simple plaster cove rising from a window serves as the base of a balcony around which a wrought iron rail carries plants in rings. An awning suggests the reeded coverings of Spain and the band of tile strengthens a horizontal effect.

(Below) To Spain we are indebted for exterior tile—in this American suggestion, on the hood above the entrance, around the door below the window and for the pool at the right of the picture. In such ways interesting effects may be obtained.

Domestic work is even more joyal. Some evening if one craves entertainment of a new variety, let him play hide-and-seek with all the amusing pranks which the well-known firm of architects, Chance, Time & Necessity, have built into Spanish houses. There are several gorgeous books by Alfred Byrne and Mildred Stapley, one by Winsor Soule and two by Austin Whittlesey, which offer material sufficient to compete with almost any advertisement illuminated by footlights. Some of the drawings on page 83—as well as the one on the bottom of page 82—indicate only very sketchily how adept the Spanish would be in lending itself to modern conditions. On the level plot or the irregular slope it can so ingratiate itself that envious relatives will say, "Of course, with a Spanish house you could take advantage of the site. Now with our house..."

The material for the exterior of the modern house which is least expensive and which yet offers the most imaginative possibilities, is plaster. While all Spain is not stuccoed over, it comes very near to covering the vast majority of houses, except for the stony sections in the West and Northwest. Yet even in the provinces which are built of half-timber (as the Basque country) or stone, plaster often steps in to fill the role more than adequately. The plastered walls of Spain have seemingly been whitewashed as a ritual at least once a year, giving them the cracked appearance of old parchment when viewed under a microscope. A new house cannot secure a corresponding mellowed effect overnight, yet one possibility for lending variation to the color is to mix the ingredients with the plaster. This can be done with shades of yellows and browns.

It is often true that plaster on veteran houses abroad is improved by vertical streaking due to weathering, or a number of other causes which prevent uninterrupted areas from seeming monotonous and dull.

To provide against such a condition detracting from a new wall, there are various solutions suggested in the drawings on this and the opposite page. The doorway detail adjacent to the wall fountain (left) has a dark painted base of the same height as the top of the fountain tile. In the same illustration the introduction of tile around the window and door occurs unexpectedly, and in the case of the window, it is a substitute for flowering color during the cold months. So-called "offsets" (surfaces recessed or projecting) in the plaster, as those surrounding the dormer window to the
right, and between the windows of the patio drawing below, are helpful in making openings relate to each other.

Wrought iron is the pride of every Spanish house—in Spain. Over here we are apt to think of it as an extravagance which can be added only when stocks and bonds react favorably. But this need not necessarily be the case. If the balconies and grilles are designed with simplicity in mind, the humblest house could be artistically enriched.

With intelligent design even the iron members which make up the utilitarian fire-escape can be so handled that it becomes an asset. Alternating bars square in section with others rectangular or circular, and giving variety to their spacing, can make of the so-called “stock” bars a creditable balcony. It is better in a matter of that character to pay a first-rate architect or designer liberally for a good design which can be economically executed, rather than to pay for expensive but inartistic wrought iron, on the design of which no trained thought or specialized study was expended. A good designer and a good craftsman can create more beauty with an expenditure of twenty-five dollars than a poor designer and poor craftsman can for one hundred. If there is no outstanding local talent available, it is economy in the long run to conduct a mail campaign and have the work created by a first-class, though distant, forge.

The successful Spanish house, be it indigenous or transplanted, is not to be considered as a thing apart from its planting. Its charm may be due to only the arrangement of potted plants and a climbing vine, or any other simple scheme in order to silhouette green leaves against a light background. On Spanish streets these agencies do not exist, it is true, but in that case it is the “local color” of the inhabitants and their manner of living which act as a substitute in supplying color contrast.

For the home owner it will be a saving financially and a gain esthetically to conceive of house and garden as a single unit. One hundred dollars’ worth of wisely distributed foliage will do more than one thousand dollars spent on architectural ornament in making the ensemble the genial delight he intends his home to be. It is only when potted plants, climbing vines, simple water basins, sympathetic shrubs and trees create a human, intimate atmosphere that the householder will be able to say contentedly to himself, “There, by Jove! No goats, burros, oxen carts, bull fight posters or colorful clothes out to air—and yet it can hold up its head with the first cottage in Andalusia!”
Much sought after yet seldom achieved in the fashioning of a house is a timeworn atmosphere. This is not gained merely by use of old materials or study of past designs, but by such simple expedients as the softening of a line here and the use of a slightly conflicting material there—departures from the meticulous modes of today. Throughout this house it is just such subtle touches as these that have been applied to create the desired spirit successfully.

Walls in the living room above are plastered, with the exception of the portion immediately about the fireplace—this is paneled, the paneled gracefully merging into the wood cornice which is carried about the room. At the left is a view of a portion of the library, looking to the entrance door.

Russell Walcott & Robert Work

Architects

The Mellowness Of Age

Reproduced In A House

Of Colonial Character
The service end and front façade of Mr. William T. Bacon's residence at Winnetka, Illinois are shown above. Brick, clapboards and plain wood siding, all whitewashed, have been combined in the walls. The long brick wall forms one side of a covered shed running between house and garage.

Opposite the entrance hall and opening from it is a library, conveniently situated for use as office also. The living room occupies the first floor space to the right. Dining room and service are at the left. On the second floor are three master bedrooms and two baths, and two maid's rooms reached by a separate stair.
AN antenna outlet for electric radio sets eliminates outside or inside aerials and the accompanying wiring. Placed in the wall like any outlet, the aerial is contained in the switch box, which has reversible ears for easy installation. Aerial capacity, it is said, is the same as that of any good 50-foot outside aerial. Attached to the plate, which measures four-and-a-half by two-and-three-quarter inches, is 25 feet of wire for easy installation. Aerial capacity, it is promised the user of this antenna.

TWO-FACED SHINGLES

FOR application to the roof, either side up, a fireproof shingle is offered in five colors: pearl gray, gray duoface, red duface, black duoface and green duoface. One side of these shingles is the natural gray color of the asbestos cement, the other being colored by metallic oxides, which cannot fade or wear off. With butts a quarter-inch thick and left rough and uneven, instead of being trimmed off square, the shingles are 18 inches long, tapered, and come in random widths of six, nine, 12 and 18 inches. By means of color combination and irregular horizontal and vertical lines they will give unusual character as well as fire safety and durability to a roof.

HUMIDIFICATION AGAIN

ANOTHER humidifier! The battle against thirsty air goes on, with firm after firm offering solutions to the problem of air moistening. Now comes the humidifying radiator with hollow sections or coils. Installed as a radiator in any hot water, steam or vapor system, the heating medium flows through the hollow sections, evaporating water held atop each one. The top of each section is designed as a water trough. Water from the regular supply is run through a pressure-reducing valve to the radiator-humidifier. The valve supplies the proper volume of water. The trough on each section is filled but a quarter-inch deep from an overflow pipe from the trough above. From 20 to 50 gallons a day may be evaporated, depending upon size of unit and type of heating system. One unit will humidify the average home.

Correct relative humidity is automatically maintained. Evaporation fluctuates with temperature of radiator. The colder it is outdoors, the hotter are radiators, and the more water is evaporated. Once adjusted to heat and water supply, operation is automatic, economical and silent. Besides heating system connections, two water connections, supply and drain, are needed. Wood or metal cabinets enclose the humidifier.

FIRE DETECTOR

THERE is an automatic fire detecting system that gives dependable protection through the action of heat upon a thermostatic wire, half the thickness of a lead pencil. This wire is flexible, water and corrosion proof, and can be completely concealed, as can the control panel and current supply units of the system.

Any disarrangement of any part of the wiring or other units, whether arising from accidental or malicious causes, automatically produces a trouble signal. This signal is distinctly different in tone from the fire alarm, and it announces, describes and locates the trouble. The system cannot go "dead" without giving notice.

Operation is based on the fixed temperature principle. When the fire detecting wire is heated at any point to 160 degrees (the heat from a match is about 400 degrees) a fusible alloy in the center melts, causing a short circuit by contacting an outer conductor, and rings the alarm. A broken draft on the oil burner, a forgotten laundry iron, high flue temperature, spontaneous combustion will cause the sounding of a strident gong in time for someone to prevent a little fire from becoming big.

Approved by the National Board of Fire Underwriters and numerous municipal fire departments, this system, in its simplest form, provides adequate protection for small homes, or for such high hazard points as garage, basement, kitchen, laundry, etc. in larger homes. Another more elaborate type, that will give protection in every room, is designed for the large country houses, schools and other structures.

RADIATOR VALVE

A SELF-CONTAINED modulating valve makes each radiator think for itself. Small and finely finished, this new valve silently and dependably holds temperature at a desired point by gradually opening or closing the radiator valve in response to any change in room temperature. It is quickly attached, requires no wiring, and is entirely automatic, maintaining a temperature anywhere from 60 to 80 degrees. One does not have to constantly watch a thermometer and open or close radiator or window; further, one member of the family may have a room temperature of 80 degrees, without disturbing or discomforting others in the house.

CLOTHES DRYER

A NEW model of an electrically heated laundry dryer has a hanging capacity of 33 lineal feet and uses no more current than an electric fan. Clothes in it are dried with circulating, sterilized heat charged with ozone. They are not only dried, we are told, but also sterilized and bleached. The dryer, shipped, set-up and equipped with extension cord and plug for the iron, is five-and-a-half feet high, a foot deep and three feet wide, finished in silver bronze. A small electric dryer of recess type, soon to be introduced, will serve in the bathroom as a dryer, a heater and an air purifier.

(Continued on page 166)
The home of Jay Hyde Barnum, at Silvermine, Conn., occupies the crest of a ridge heavily wooded with Cedars and Birch, a rustic setting into which the rough white-washed stone and blended roof tiles of the house fit admirably.

As it is the home of an artist, the end of the north wing houses the studio. Beyond that comes the living room with exposed timbers, shown on page 59. A guest room is on this bottom floor. The dining room encloses one side of the terrace. Two servants’ rooms are at the far end. Upstairs are a master’s bedroom, a sitting room and a maid’s room.

The picturesque quality of this type of architecture and the honest building construction that goes into it have won the Norman farmhouse many adherents in this country.

A Norman Type

On A Hilltop Site

In Old Connecticut
The kitchen of the Barnum house is slightly indented and walled with half-timber. The eaves come down to the support of a long beam that also forms a lintel for the garage doors. These doors are of heavy beams reminiscent of portcullis.

In the tower is set the main entrance and here also are the stairs. The octagonal shape, the protruding stone course below the small windows, and the rough overlapping of the pan tiles lift this tower to the plane of a feature.

Below is a view of the gable end of the guest wing where the architect has filled the upper space with openings for a colombier—a necessary part of every Norman farmhouse. He has also managed, by the use of recessed lines of slate under the roof and returned slightly on each side, to make this gable decorative and unusual.
The solid construction of the stone walls is reflected in the timbers of the living room and the doors of the house. Above is the entrance door and below the Dutch divided door leading into the studio.

Above the dining room, and with a balcony that overlooks the valley, is Mrs. Barnum's bedroom. Though the house is Norman in its architectural character, its furnishing has not slavishly followed this style. The bedroom is mostly French, but the dining and living rooms are Victorian.
Informal English Character In A Stucco
And Stone Residence Of Moderate Size

Penrose Stout, Architect
A rather startling fact about this house is that the dominating exterior feature—the stone faced wing—is occupied by the laundry. The reason for this is that the rear, overlooking lawns and garden, was considered most important.

While the segregation of service rooms to one portion of a house, with hall and dining room as liaison points, is not at all unusual, the manner in which these rooms in this house have been arranged to make for convenience and efficiency is worthy of note.

The living room has three exposures and opens upon the loggia. In the dining room, a long range of casement windows faces the garden. Three master's bedrooms and a sitting room are on the upper floor, in addition to servants' chambers. This is the Bronxville, N. Y. home of Reginald M. Campbell.
1. Grace of line and the contrast of old-white woodwork with brown velvet and taffeta upholstery combine in this charming small Louis XV settee. From Brunovan

2. Delicately decorated door panels in soft colors are a feature of this lacquered cabinet which is deep cream with a violet marble top and sliding shelves inside. Brunovan

3. On the top and legs of this lacquered coffee table, which is painted a mellow old-white, glows a multi-colored Chinese decoration. From Jacques Bodart, Inc.

4. When not in use the tray becomes the top of the table de nuit, its legs fitting imperceptibly into the corner grooves. Gray with floral decorations. Cassard Romano

5. A semi-circular commode painted soft yellow with delicate chinoiserie decorations after the manner of Pillement would be a delightful color note in a blue interior. W. & J. Sloane

6. This dignified lacquered desk, particularly suitable for a library, is a deep olive green, the chinoiserie decorations picked out in dull gold and rich reds. H. F. Huber

When Furniture Adds Color To A Room
7. An occasional lacquered side chair gives interest and color variety to a room. This fine example comes in black, yellow or green with dull gold. Schmieg, Hungate & Kotzian.

8. For a space requiring an important piece of furniture, there could be no better choice than this lacquered cabinet in pale yellow on a black base. Schmieg, Hungate & Kotzian.

9. This distinguished break-front bookcase was photographed empty to show the gold tea box paper lining. Black lacquer decorated in reds, blues and dull gold. Erskine Danforth.

10. Another useful and ornamental lacquered piece, colored to order, is the desk-commode, in the top of which is a pull-out panel for writing purposes. Bristol Company, Inc.

11. Unadorned surfaces and simple lines distinguish this Dynamique book table which is green with gold lining. The top tray, painted dull silver, is removable. B. Altman.

12. The delicacy of a Chinese Chippendale table is ideally suited to the intimate atmosphere of a small living room. In green, decorated with gold. Shaw Furniture Company.

**Varied Designs In Paint And Lacquer**
The Gardener's Calendar

For February

This Calendar of the gardener's labors is planned as a reminder for taking up all his tasks in their proper season. It is fitted to the climate of the Middle States, but may be made available for the whole country, for every one hundred miles north or south, allowance is made for a difference of five to six weeks. The dates are for an average season.

<table>
<thead>
<tr>
<th>SUNDAY</th>
<th>TUESDAY</th>
<th>WEDNESDAY</th>
<th>THURSDAY</th>
<th>SATURDAY</th>
</tr>
</thead>
</table>
| 1. Plant stakes are growing stronger; I think that the plants would not require support, but they do, and we must proceed. I have some other stakes that I can add to these. | 2. Before you put the stakes in the ground, make sure and see that they are in good condition. Broken glass and wood splinters must not be there. If you painted thoroughly to protect it from the weather. Make sure that all of the materials you use are in good condition. | 3. Have you noticed, and have I noticed, the change from the beautiful and serene scene to the bustling and active scene? | 4. Summer flower beds such as Camellia, Daphne, Dianthus, Delphinium, and Campanula must be planted. Gardening is practiced, and some labor will be well justified and returned. | 5. No one can garden well who has not given thought to the details of the garden. This is the time to do any and all garden work that you wish to do. All ordered tasks must be accomplished. 
   \*\*\* \*\*\*
| 6. All plants that have been treated chemically for any considerable time must be removed. This is the time to do any and all garden work that you wish to do. All ordered tasks must be accomplished. 
   \*\*\* \*\*\*
| 7. Have you noticed that your gardener's mind is more active? It is active and still. This is the time to do any and all garden work that you wish to do. All ordered tasks must be accomplished. | 8. Scandinavian. Norway. Beans and Turnips take up as much as possible of your garden. | 9. Bay trees, Hollyhocks, and other plants of this type require no care. | 10. Dried beans and brussels sprouts also require pruning to keep them in good shape. | 11. Have your garden beds fall into all sorts of growth. In Lent, Gar-| 12. All plants that have been treated chemically for any considerable time must be removed. This is the time to do any and all garden work that you wish to do. All ordered tasks must be accomplished. 
   \*\*\* \*\*\*
| 13. Have you seen the supply of seeds? They should be on hand for any time they may be needed. | 14. Among other things, have you planned as a reminder for taking up all his 
   \*\*\* \*\*\*
| 15. E. H. Wilson's New Sutler, 70 years ago, is neatly over lit in much of the world. He brought the standard of any gardener to a new high. | 16. It is much like we are in the garden that is seen so much in our daily lives. We are required to do a lot of work, and we are required to do it. | 17. Have you ever been to a flower shop in a farmer's field? No place is complete without a greenhouse. | 18. Ash Wednesday. Have you studied the merit of crop failure? All plants must be removed. | 19. If you do not want to let the flowers grow as they please, you must be careful to plant them. | 20. Start now in the greenhouse to grow summer vegetables, such as cucumber, radishes, lettuce, beets, carrots, etc. | 21. No garden is complete without a flower, and flowers are not complete without garden furniture. | 22. Fred Sunday. Let us return to the old days of the garden, and enjoy the very attractive people of the past. If you wish to return to them, you must go back to the old days of the garden. | 23. Flowering plants in patches that are wanted for the garden must be started into active growth. | 24. All dormant plants that are subject to the danger of frost must be removed from the garden. | 25. Sweet Peas may be planted now in all parts of the garden. | 26. Before work starts, please remember that you should make a list of your desires. Any new or honey must be removed. Now this is the time to be ready for taking the proper steps in the spring. This is the time to freeze or get the seeds to be used in the fall. | 27. Stock plants of all bleeding varieties should now be started into active growth so that they may be ready for planting next spring. The bleeds of some of these varieties do not start early, so you must be prepared to use them. | 28. Sprouts will be eaten by the birds, and they are not of much value. | 29. In the Blizzard Last Monday, Says Old Doc Lenmon— |

In the Blizzard Last Monday, Says Old Doc Lenmon—

"Wal, Cal Jessett's passed away, an' the old farm in the shadod of Cooksey's Mound, it was the same as ever. Never no more, an' yet I can't help feelin' that somehow his spirit will sort of hang around it, watchin' over the corn barns an' the woodpile on the hayburner where the buttercups show so yellow in the June sunshine. For Cal Jessett he was just the kind of a man, up to the crack of dawn an' busy handin' things till the stars come out at night. Burrowed in the Valley an' scoured out in it all in the eighty-nine year, he was the farm an' the stock an' the old white house itself, an' they was him. Yep, I reckon his spirit will stay. "Cal on' me was boys together, though he was older'n me. I mind the way I used to trail after him, like a beeline tackler when, he smoked off to go fishin' or huntin' a bee tree. Seems only yesterday, as I look back on it, an' yet—it, in the Blizzard last Monday they laid him away....

"How powerful he was as I looked down at him there in the front parlor—white hair brushed back off his high forehead, wrinkles all gone from his fine, broad face. Peaceful an' terrible still. Outside the storm a-shinin' round the winder ledges, white an' silverin'; inside, natloth only the creakin' of a chair as somebody shifted a blanket. An' then, after a long, long while, Miz Russoe singin' 'Rock Of Ages'...."
An early American contribution to the world’s best soups...

Philadelphia PEPPER POT!

There's a touch of homespun genius about Philadelphia Pepper Pot that endears this famous old Colonial soup immediately and permanently to all who taste it. Rich, substantial, satisfying to the most robust appetites, yet of a delicate savor and zest that appeal at once to those who delight in the piquant and unusual.

Enjoy Campbell's Pepper Pot, made by our special Pepper Pot cook from a favorite old Colonial recipe. A hale and hearty stock, velvet-smooth in texture. Sump-tuously enriched with good, solid eating—diced potatoes and carrots, tender morsels of delicious meat, and wholesome macaroni dumplings. And seasoned with the blended aid of ground whole black peppercorns, sweet marjoram, fresh parsley, savory thyme and sweet pimientos.

Such a soup as men delight in! Truly one your appetite remembers. Serve it, again and again. At your grocer's. 12 cents a can.

Look for the RED-AND-WHITE LABEL

A Man's Soup

General Washington and Robert Morris calling on Mistress Betsy Ross in regard to the New American Flag, Philadelphia, 1776
We MODERNS must be modern in our table damasks...

Today, even the dining table turns distinctively twentieth century. So, to the time-tested quality and long wear of "Old Bleach" pure Irish Linen Damasks, has been added this cheery note of modernism. Its gay background of black or delicate pastel shades, contrasted with a silvery curving motif of white, won this cloth enthusiastic comment when leaders of Washington Society recently exhibited their art in modern table setting at the Mayflower Hotel. This design is for sale at all fine linen departments and shops.

Write for interesting "Old Bleach" booklet—Table Talks—a treatise on modern table setting. Enclose 10c for postage.

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"OLD BLEACH" IRISH LINENS

This design—San Marco—is adopted from a collar of Gros Point lace, belonging to a Venetian nobleman—now in the Cluny Museum in Paris.

Silver From

The Orient

This antique Persian silver cup, in repoussé illustrates the return of a conquering king with his captives and his loot. Shown by courtesy of Dikran G. Kelekian

Silver From

The Orient

(Continued from page 75)

openwork cases for jasmine flowers, chintzines, statuettes, etc., were exquisitely made in repoussé, enamel, filigree, etc. 19th Century—reproductions of traditional pieces; many types of work, even silver bowls and cups covered with exquisite basketry, occasional European influence.

Egyptian—Ancient Egyptian work, usually in gold. Silver imported from Syria, often worked in forms showing Astarte, especially Philistine, influence. Persian, Greek, Roman, Byzantine, Christian-Coptic and Saracenic influences successively. Handiwork bowls of various shapes in the Cairo Museum, 4th Century B. C. Mirrors with elliptical disks, broader than high, made preferably of gold but occasionally of silver, or silver, bronze, wood and enamel combined, handles, long or short, formed like a lotus, hawk, the goddess Hathor, etc. Processional wands of silver and gold, about 4 feet long, the top statuettes about 3½ inches high. Coffin fittings, perfume boxes, large craters supported on human figures, etc., of silver, or silver and gold combined. Jugs, cups, bowls and dishes show classic influence from Greece and Rome. Enamel and gilding prominent in Roman and Byzantine periods. Early Christian-Coptic, work largely ecclesiastical; embossing, engraving, piercing, and niello, with jewels in box settings. Enamelled largely substituted for gem under Greek rule, niello much used under Roman—Prolemeic and Byzantine influence. With the Persians, and later the Saracens, the interest of silver and gold plate common to these Asiatic peoples, the styles of articles and ornament following the different periods. Much work in Syro-Egyptian style remains, especially silver and gold inlay on brass and other metals. See Persian and Saracenic.

Bakshaish: Silver objects doubly made in Egyptian style.

Indian: Greek, Persian, Mongolian, Saaracen, Chinese and later Dutch and English influences, with Saracenic style prominent in form, and native Indian style in ornament. Unbroken tradition in shape and decoration since 16th Century, though many modern shapes are in reality very ancient. Chiseling, repoussé—high and low relief, engraving, inlay—especially on brass, enamel, niello. Bigtoothed pierced work, silver-gilt and parcel-gilt, as well as statuettes and images. Hindus used plain eating and drinking vessels but highly ornamented decorative objects, completely covered with all-over floral designs—birds, animals, and figures—the whole outlined with borders, arches, and compartments. As tea-tasting, incense-comparing, and flower-arranging influenced Japan's finest silver-work, so smoking the hukka, chewing the betel-leaf and the use of perfumes inspired the most notable Indian pieces. Cups, bowls, plates, and trays are the usual pieces; rose-water sprinklers, scent caskets, betel-leaf and cardamon boxes, large ewers and hukkas are for ceremonious use. Traditional shapes and all-over arabesque designs are typical of North India, elaborate repoussé of South India. Kashmir and Lucknow were long noted for superb silver-gilt works. Kashmir parcel-gilt work has all-over design cut out through the gilding to the silver base, producing purely lustrous. The hukka, or water vessels (cylindro) are typical. Baked work is characteristic in Indian; designs in silver are inlaid in sharp contrast on a blackened ground of copper and zinc alloy. A tondet—scent box or vase; jardiniere—rose-water sprinkler, a typical article.

India-Persian: Work showing both Indian and Persian influences. See Indian and Persian.

Japanese: Chinese influence through Korea in 1st Century A. D. Earliest work in silver-backed bronze mirrors

(Continued on page 100)
Flowers in summer fullness twine with swirling plumes in this design rich with color and decorative interest. Schumacher adds to its innate appeal the beauty of fine craftsmanship... Here is a fabric that hangs well, drapes superbly and belongs by birthright to charming, graceful rooms. Write for complimentary booklet, "Fabrics—The Key to Successful Decoration", Dept. E2, 60 West 40th St., N. Y. Schumacher Fabrics are sold only through decorators, upholsterers and the decorative departments of department stores. Offices also in Boston, Philadelphia, Chicago, San Francisco, Los Angeles, Grand Rapids and Detroit.
Embossed Queensware

Ever since Josiah Wedgwood executed a special dinner service for Queen Charlotte in 1763, the Wedgwood Potteries have been supplying the finest tableware to the crowned heads and aristocracy of Europe. Embossed Queensware, first made in 1770, has the rare distinction of one hundred and sixty years of unswerving popularity. It is made today in much the same way as in the Eighteenth Century. The classic shapes—so characteristic of Wedgwood—are retained, while the graceful embossed decoration, in pale blue (called lavender) or cream, still is applied by hand upon the rich cream or ivy ground. Whether it be a single decorative piece or a complete dinner service, Embossed Queensware compels immediate appreciation.

Upon request we shall be pleased to send you a copy of our illustrated booklet.

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WEDGWOOD

Silver From The Orient

(Continued from page 98)

and for sword decoration. Decorative bronzes, variously alloyed for contrasted patina and coloring, are typically Japanese and are often inlaid and incised with silver, gold, copper, iron, and various alloys. Nara period (710-930)—copper objects coated with silver or gold; inlaid and incised bronzes; foreign influence: Chinese, Korean, Indian and Sasanian—Persian, Helan epoch (late 6th-9th Century)—gauze mosquito curtains weighted about dais with chiseled figures of Dog Fo. Military epoch (11th-14th Century)—tea ceremony, incense burning and flower arrangement became notable cults with appropriate tea utensils, art objects, censers, tongs, vases, bowls, etc., made of silver or decorated with silver. 15th Century—more silver in use, still employed for sword decoration, vases and household ornaments; gold lacquered bronzes had rich silver mountings. 18th Century—naturalistic designs in fashion, many notable metalworkers with inlaying and incising of silver and gold on bronze. 19th Century and earlier articles include plates, saucers, incense-burners, teapots and jugs, spoons, uchi jis, vases, statuettes of human figures, animals and birds. Combined, repoussé, engraved, punching, enameling—especially Buddhist on stone, incising, punch marking and typical. Natsume—shaded line work; Kiihira—uniform hairlines; Niku-nabari—ground cut away leaving ornament in relief. Flowers, foliage, birds, animals, etc., favorite ornament, with various symbols.

Korean: Mongolian types and ornament. Notable examples as early as Kuirai period (918-1392). Bowls and boxes important, various Chinese forms. Toilet articles, cylindrical rouge box, etc., filigree and engraved designs; needlecases, embroidered, engraved. 19th Century—repoussé ornament in fashion.

Kuridashi: With these and other Chinese dishes silver was generally used for personal adornment. Primitive ornament. Curved dagger sheaths with geometrical designs, boxes in forms of birds.

Malayan: Work of the Malay peninsula was of Indo-Chinese type; thinner metal than Chinese. Display pieces extremely ornate, ordinary articles not entirely covered with ornament, as in India and Ceylon, but foliage and floral designs are so well disposed as to seem part of the object. No human or animal forms or heraldry. Many charmingly decorated little boxes, pierced or solid, for fragrant flowers, betel nut, tobacco, etc., bowls, dishes, cups. Pillow plates for ends of cushions, chains to tie up the sleeping mat, borders for door valances, etc.

Mesopotamian: Ancient Chaldean, Assyrian, Babylonian, Persian, Syrian and Egyptian influences, later Saracen. Fluted cup, beaker, mounted ornamental head of silver and gold from Ur of the Chaldees—Abraham's home, about 1800 B. C.—give the mounted ostrich-egg, the cup on small stand or ring foot, the fluted arae beaker an ancient lineage. See Saracen.

Mohammedan, Musulman: See Saracen.

Mongolian: Chinese, Persian, Syrian, and other foreign influences after 15th Century when Mongols conquered almost all Asia and part of eastern Europe. Many foreign craftsmen at Court of the Khans at Kara-korum, even a Paris goldsmith. See Saracen.

Persian: Ancient Assyrian, Babylonian, and Sasanian influences long retained in taste for metal-plating on doors, roofs, etc., silver repoussé or inlaid on bronze. Ancient luxury in silver tent- poles, beds, couches, and vessels. Greek influence important from 4th Century B. C. Saracenic (220-640)—traditional native forms and ornament, typically in very flat relief, engraved, chased and with applied repoussé figures; vessels hammered and then worked on lathes, like Roman; shallow bowls and dishes with characteristic bird-tail monster with foliated tongues; foliated bird plumes, birds. Some additional influences were: Arab, Byzantine, Mongolian, and Chinese, enamel, gold, and silver. Immense number of lamps, candelabra, etc., since 11th Century—incense-burners, incense cases, enamelled boxes and dishes, various metal-work, Indo-Persian designs; box-bases, boxes, cases, cups, vases, flower vases, trays, etc. 12th-13th Century—silver cups beautifully engraved, arabesques and medallions. 14th Century—enamelled, anecdotally used, now beautifully enriched with gold, silver, jewels caskets, incense-burners, censers,更改。15th Century—enamelled, mostly used, work of exquisite fineness and costliness, often incrusted with jewels.

Saracen: Arabic, Mesopotamian: The Saracens spread broadly the art industries of the nations they conquered. Persian influence paramount in metal-work in Persia, Nusatamia, Syria, Egypt, India, and Spain under Saracen rule. Inlaying of silver and gold on bronze, copper, or copper, combined with delicate engraving, the favorite type. 10th-12th Century—work of exquisite fineness and costly elaboration, seldom later attempted, but inlaying or left work continued to present time. Two groups of work: 1. Eastern—Persian, Mesopotamian—Armenian, fully developed in East Persia, 12th Century, carried west by Turks, in Syria, Egypt, 13th Century and later. 13th-14th Century—best periods of Saracen work, later examples mere copies. Some metal-articles besides: incense-burners, perfume-burners, braziers, candlesticks, censors and basins, bowls, cups, etc. See Saracen.
They just grew
and grew
and grew

because of flavor

Certain elusive flavors were captured by Schrafft's. Appetites flocked to our stores and dining tables. The stores grew... havens of delicious taste to thousands of New Yorkers.

The famous Schrafft flavor goes out into the world in our candy boxes. A relentless pursuit of certain "tastes" in candies has brought forth a new lusciousness in favored pieces. They have been brought together in the Schrafft assortments. Each assortment is happily balanced to meet the family’s little favoritisms, so that all may have many "first choices."

From sixty cents to two dollars per pound

The Jolivet Package—containing eighteen delicious types. Just the choice for all occasions—at one dollar twenty-five per pound.
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Waite Unit Rugs are hand-woven from thick wool braids—in individual 18" squares—invisibly laced together. They can be designed to accommodate radiators, fireplances and odd shaped rooms. Any conceivable color combination is possible. Sizes are unlimited—up to several hundred feet. Three important features contribute to their great durability and economy—their unusual thickness and firm texture... perfect reversibility... and the fact that damaged areas can be unnoticeably replaced with new units at any time.

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By sending us a small sample of your draperies—together with a general description of the colors you wish emphasized and the size needed—we shall be glad to make up an 18" unit sample without cost or obligation to you. You can thus approve your pattern beforehand. Write for illustrated catalog in colors. Interior decorators will also be interested in complete information.

Unit Rug Division
WAITE CARPET CO.
Oshkosh, Wis.

Unlimited color possibilities—made to harmonize with any decorative scheme. Standard woven brands entered the magnified area.

Woods And Their Influence

(Continued from page 61)

Woods And Their Influence

(Continued from page 61)

At this time the wealth of the Indies was being brought to England by the Holland Dutch Indies Company, so that all sorts of exotic and foreign woods were now obtainable. If we picture those charming, tall marquetry clocks, side tables and cabinets of the period, broached in flowers and leaves, we will not be at all disillusioned to know that their lovely colors are made of barberry, rosewood, red sanders, box, holly, sycamore, or citron.

Mahogany holds a place of its own. It was probably brought into England in about 1595 by Sir Walter Raleigh, but it remained costly and rare until the removal of duty late in the Georgian era. Chippendale preferred the dark red Spanish mahogany to the other varieties. The particular facility with which mahogany lent itself to high relief carving made carving the desired decoration for Chippendale chairs. Also, the availability of large pieces of mahogany fostered the production of large tables and of small round table tops made from one piece of wood. Histe carving was necessary to relieve the austerity of the plain mahogany. When figured mahogany was introduced, furniture began to be veneered again, and carving was less used. The inrush of other finely figured woods caused furniture to be veneered more and more, and this in turn affected the design of the pieces. Panels were then used instead of simple plain fronts, and delicate materials called for delicacy in line.

But it was the period of Louis XV in France, the age of Cuvrier and Caffieri that excelled in the use of exotic woods. Some mahogany was used at this period, but it was that which was “burned,” “derromer,” “flaming” or “spocketed” that was desired. Cuvrier was particularly fond of a combination of amaranth and palissander, but he also had violet wood for purples. For bright greens, there were “calambrun, green ebony, lignum vitae,” for yellows, there were clairsembour, lemonwood and yellow sandalwood, for red tones, mahogany, Beatwood, coromandel, caltius, locust and granadilla; for blacks, grays and whites, there were ebony, amarante, jucaranda and Rhodes-wood. Rosewood, which gave the colors of autumn, combined well with the red of palisander. A combination of rosewood framed in palisander, with lemon or holly used between the two woods, was often used. Also one sees cabinets of lemon or satinwood framed in mahogany, amaranth or palisander.

Panels were veneered with two sheets of the same wood, the veins forming a design much in the same manner employed by Leon Jallet and other designers today. Other pieces of furniture were veneered with a “module of different Indian woods.” The delicacy of these veneers and the small bits used in their checkered groundwork patterns often made necessary the use of the plain mahogany, and the fact that damaged areas can be unnoticeably replaced with new units at any time.

In the last 18th Century, in France, as well as England, the lighter colored woods gained prominence because of their consistency with the delicacy of the furniture. Riesener, the cabinetmaker for Marie Antoinette, preferred tulip, rosewood, holly, maple, laburnum, purple wood and boxwood, while David Roentgen of the same period used pear, lime and even lighter woods. When mahogany was used it was the lighter tones that were chosen. Adam, Sheraton and Hepplewhite also had a fondness for light woods. Rosewood, satinwood, amaranth, calatius and sycamore or hollywood were used as veneers, while inlay and bandings were of birch, tulip, pear, ebonized, kingwood and purplewood. The chairs which were intended for paintings were usually made of beech.

PLAIN SURFACES

With the Directoire and Empire periods the pendulum again swung toward plain surfaces, and straight, unadorned mahogany veneer surfaces were seen. It is an interesting period from the standpoint of woods.

In our modern furniture design, woods, exotic and rare, colorful and strongly grained, are again used. Different technical methods of furniture construction have made the use of fragile veneers more practical, but the woods remain the same. To be sure, age has changed the colors on the old furniture so that our modern cabinetmakers may in contrast seem to have discovered new woods. But the woods of contemporary furniture will age in time and take their places with the tulip, palisander, amaranth, macassar and amaranth of the past.
WITH power in abundance completely controlled, a free beauty of line, an air-borne ease of driving, the poised excellence of the new Lincoln stands as a distinct mark in motor car achievement. For the new Lincoln was created to be a complete expression of all those qualities which sound research and engineering can provide for the advanced motor car.

This new Lincoln is impressively luxurious. It is driven with a flowing sense of wind-blown power. The new free-wheeling transmission brings a fresh exhilaration to driving. Gears are operated easily, quietly, exactly. Between second and high speeds, back and forth, gears may be shifted without disengaging the clutch. By removing pressure from the accelerator pedal, the engine is automatically released and the car glides smoothly and silently on momentum.

More generous power is commanded by the driver of this car than any Lincoln has ever provided. The new engine develops 120 horsepower, and at the same time, it is more alert, more responsive, more silent. The new Lincoln is longer and lower. It is a newly designed car throughout, adhering strictly to the policy of well-balanced excellence traditional with Lincoln.

The notable luxury and safety, which have always distinguished the Lincoln, are heightened by the advanced engineering and design embodied in this car. And, immediately evident, the whole character of the car itself is expressed in the sweeping, clean flow of its beautiful lines. Prices of the new Lincoln range from $4400 upward, F. O. B. Detroit.

The new Lincoln is built as all the long-lived Lincolns that have gone before ... in a plant famous for its precision craftsmanship. Behind it are the entire resources of the Ford organization. With such a background, its makers are able to give full expression to their fresh ideal of making a motor car as perfect as it is possible to produce.
Venetian Blinds

...for comfort control of light and air

"Kane Quality" Venetian Blinds add a colorful new decorative note to the treatment of any window and, at the same time, provide precise comfort control of light and air. They diffuse direct sun rays or annoying glare into soft, mellow light... they admit all the air desired without direct drafts... and afford privacy from the eyes of passers-by outside, without interfering with ventilation.

"Kane Quality" Venetian Blinds may be installed on any windows, large or small... in any home, new or old. They are neat in appearance and easy to adjust to give the exact results desired. They may be had in any color either to contrast or harmonize perfectly with the most delicate color scheme. They are recognized as a desirable feature in sun parlors, living rooms, breakfast rooms, sleeping rooms, nurseries, and bath rooms, as well as in offices, hospitals, public buildings, etc.

The coupon below will bring you complete information about "Kane Quality" Venetian Blinds and Rustless Insect Screens.

KANE MANUFACTURING COMPANY, KANE, PA.

KANE MANUFACTURING CO., DeP., H.2, KANE, PA.
Please send me free book on
"Kane Quality" Venetian Blinds... "Kane Quality" Rustless Insect Screens.

Name
Address
City
State

Individual Gas Systems

(Continued from page 65)

Where a large amount of cooking is done... or where the range operates for long periods of time, coal is probably less expensive. But the cost of maintaining a coal fire all day, when probably it is used only for several hours, makes the comparison of fuel costs an unfavorable one toward the gas fuel.

When supervision of the kitchen routine is possible or where bottled gas is installed in the "self operating" cottage or bungalow, there are many ways in which the use of unnecessary fuel may be avoided. Not only should the gas stove be kept carefully adjusted but they must be meticulously clean, for clogged burners are the principal cause of poor heating and wasted gas. The burners should be washed about once a month in a boiling solution of salt soda, care being taken that they are thoroughly dry before being lighted again. If they are badly clogged, they may be put in the hot oven for twenty minutes, then cooled slowly and tapped all around with a knife to break up the dried residue. Then there are gas saving precautions which can easily be worked into the routine so that the smallest amount of fuel is consumed for the results obtained. A small burner can often take the place of the giant one, and, as the heat is increased at the point where the flame is being boiled, the gas should be turned out and lighted again if there is a short period when it is not needed. The flames of gas can be cut down when a flame is being boiled, and the use of the efficient oven regulators will prove a real saving of gas in oven cookery.

Well-fitting lids on saucepans speed up cooking five times as much as an open kettle, and a saucepan with a bottom broad enough to fully cover the burner will make every bit of gas consumed pay its way.

Menu Suggestions

The manufacturers' booklets give skillfully planned menu suggestions for oven meals or gas saving combinations and many of the fascinating new woks or "flambeau" cookers and triple saucepans will give gusto to meal preparation through their method of "doubling up" entirely unrelated foods. Flame beyond the shore line. One of which provides the same hot clean flame beyond the shore line. One of which provides the same hot clean


defined form that a single container will discharge the equivalent of about five thousand cubic feet of city gas. Which, as gas turns the cooks to the large equipment, furnishes an almost endless supply of city gas can be made to serve. The heat is clean, even and hot. And there is no priming, no pre-heating, nothing to make the country dweller regret the comforts of his urban days.

Another splendid factor is provided by a company we will designate as "B." This firm delivers its product under somewhat different conditions and furnishes an almost exact duplication of city gas service, east of the Mississippi. In its great plant, real gas from gas wells is compressed and shipped in special containers to the distribution stations. Then specially built trucks travel each month from one user to the next, replenishing the gas supply. Within the container is a device for measuring out fuel and the exact amount of gas used is paid for monthly after it is burned. When large amounts of gas will be needed, installations are made without additional expense, to take care of the excess load. This gas may be installed for any appliance, though the company's approval must be secured in order that

(Continued on page 108)
TWELVE CYLINDERS

Among the four lines of motor cars which comprise Cadillac’s distinguished family, there is every degree of elegance and luxury the sophisticated motorist could require. Favorite of a large and discriminating number is the new Cadillac V-12—heir to the superlative performance of multi-cylinder design, yet of slightly less wheelbase than the Cadillac V-16.

Coachwork by Fisher and Fleetwood  Priced from $3795 to $4595, f.o.b. Detroit

CADILLAC MOTOR CAR COMPANY, DIVISION OF GENERAL MOTORS
Architects specify RUBBER floors

Here you see Goodyear Rubber Flooring in a room which takes its inspiration from the thrifty Dutch. Other designs, other colors, fit as accurately with Colonial, Modern, French or any room which your wish and your architect's skill create.

For the colors of Rubber Flooring support the decorative requirements of your rooms accurately. Greens, buffs, blues—what you will—in plain and variegated textures a full palette of these constant hues for your use. In all patterns Rubber Flooring cushions, comforts, is strictly clean. It is a resilient surface underfoot. It reduces noise. It is extraordinarily easy to care for, and requires almost no maintenance cost.

In dining room, living room, bedrooms, kitchen, and bath, Goodyear Rubber Flooring lasts for years, and even the modest home can easily afford it.

THE GREATEST NAME IN RUBBER

GOODYEAR RUBBER FLOORING

Copyright 1931, by The Goodyear Tire & Rubber Co., Inc.
Led by the two fastest liners afloat

the Lloyd Fleet offers you the prestige of a passage in the company of record-makers and the thrill of a crossing in the tradition of tomorrow

BREMEN • EUROPA • COLUMBUS • BERLIN • STUTTGART • GENERAL VON STEUBEN • DRESDEN

Offices and agents everywhere
Rita's Toast is made in double-quick time!

EDICRAFT SPEED TOASTER
Rita sets it—and forgets it. Doesn't watch. Doesn't wait. Toasts 2 slices at once; opens automatically.

"Anyone who has an electric light socket can be a good cook now", says Rita. "Edicraft appliances make it impossible for mistakes to happen."

And besides, it's not like Rita to blush unseen in the kitchen. With her Edicraft appliances she's a wonderful cook right at the table. Fair play to her, she gives most of the credit to Edicraft.

Edicraft appliances are automatic, they're swift, they're sure. They are distinguished additions to the table as well as indispensable at the family breakfast. When you see them, look at the "working parts"—you will see the reason for their superiority.

EDICRAFT MENLO SIPHONATOR
Perfect coffee, every time—pulled or powerful as you prefer it. For the Siphonator also heats hot water for diluting coffee or for making tea. Buy the beautiful urn alone—or with matching tray, creamer and sugar.

EDICRAFT SANDWICH GRILL
Toasts two sandwiches quickly—and even broils chops, bacon, etc., right at the table. Thermostatic heat control.

EDICRAFT SANDWICH GRILL
Her Sandwiches are best-blended to a wonderful goodness.

Her Coffee is made by the healthful drip method

EDICRAFT MENLO SIPHONATOR

Perfect coffee, every time—pulled or powerful as you prefer it. For the Siphonator also heats hot water for diluting coffee or for making tea. Buy the beautiful urn alone—or with matching tray, creamer and sugar.

Recent Developments In Building

(Continued from page 88)

IRON-COPPER RADIATOR
CAST iron and copper have been combined to produce a radiator that gives off both radiant and convected heat. A front of cast iron with integral steam-carrying tubes provides radiant heat. A copper tube and fin assembly joined to the cast iron front, the whole enclosed in a steel housing, gives convected heat which, delivered through a vertical grille, diffuses throughout the room.

Of total capacity, about 30 per cent is radiant heat given off by the cast iron front, and 70 per cent is convected heat, sent into the room on a gently moving current of air. Steam or hot water is passed first through the slower-to-heat cast iron and thence to the copper tube and fins which respond quickly and supply heat at once. When the heating medium is losing temperature, the radiator is slow to cool. Thus, quick heating response and slow cooling is a major advantage.

The unit may be wholly or partially recessed in, or suspended from, the wall. It is smaller in size and lighter in weight than cast iron radiators. It is delivered ready to be mounted; installation is simple. Comfort is promoted by the low delivery of radiant heat and the fact that the lower zone of the room receives the first heat. Economy is furthered not only because of quick heating and slow cooling, but also by low temperature gradient between floor and ceiling, which in turn results in use of less radiant surface and from outward, rather than upward, discharge of convected heat.

DOUBLE DOOR WEATHERSTRIP

WE can now enjoy double doors without having poor fitting stiles leak heat and permit the entry of annoying drafts. The problem of weatherstripping such doors, long a difficult one for the builder, has been solved. The solution is in the form of a strip of felt that is tightly gripped in a steel container. This is inserted in a groove made in the edge of the door and perfect adjustment is secured by means of screws. As any time these screws can be set, inward or outward, as readjustment may be required.

STEEL FRAMING

WITH Lally columns displacing masonry piers, steel girders being used for wide spans in place of heavy timbers, steel lintels over openings, steel floor joints, steel windows, lath and shingles, and sheet steel sinks, laundries, and cabinets, the entry of this strong, durable and fire-safe material into residential construction is well advanced. It is but a step to steel framing, and now recent improvements that remove earlier limitations have made this step a short one.

Any dimensions which architects require can be met within a maximum difference of two inches. Steel framing members are perforated on two-inch centers, permitting absolute flexibility of architect's design and detailing. A second feature is that the complete frame is fabricated at the mill and delivered to the site ready to erect; only three ordinary tools are needed, no cutting, fitting, welding or riveting. Erection is carried forward rapidly. Furthermore, all studs are assembled on the job corner radius, possible the use of standard building materials.

Thus, any design, on any rise of foundation, may be developed in any favored material, and the rigid, wind-headed frame cannot be attacked by rot, termites or vermin, nor will it settle, warp, twist or shrink.

MOYABLE BRACKETS

EASILY moved brackets or wall lights that plug into baseboard outlets are supported from the floor on slender, insensible shafts that hug the wall closely. Lights and furniture may be arranged and rearranged in any desired manner. These movable brackets give absolute freedom from the restricton of fixed outlets. They require practically no floor space and are not fastened to wall or door. Two pewter designs are offered, together with one in pewter and Continental brass, one in early English scoured iron, two in antique gold and one in antique bronze and color. There is a pattern suited to every room. Against the wall they form an interesting decoration and supply light where it is needed.

INSULATING QUILT

ONE of the well-known insulating quilts is now available in a new one-inch thickness. Vermic and decay proof, and possessing high resistance to the passage of heat and cold, one layer of this inch-thick quilting takes the place of several thicknesses of thinner materials, so reducing installation costs. Another new feature is that the quilt on special orders may be had made with asbestos in place of kraft paper. The material is sold in rolls containing 123 square feet.

DEAL HEAT CONTROL

FOR maintaining desired room temperatures, one or two degrees, for instance, from seven in the morning until eleven at night, and one of 64 degrees for the eight hours of rest, a system of three units possessing several new and distinct advantages is available. Completely automatic, this system for heat control is never failing and so flexible as to solve many control problems.

Comfortable rooms and economical heater operation are assured whether coal, coke, gas or oil is the fuel used and whether hot air, hot water, steam or vapor is the form of heating. By means of its program and astronomical clocks, this system will turn on or off the heating, and in the case of electric heaters, electric heaters in hard-to-heat rooms, the radio for setting up exercises or time signals in the morning, it will ring starting the correct time.

It will start the hens scratching at six-thirty on winter mornings by lighting up the chicken house; it will start humidifiers when it starts the heater, it will operate window closing devices and by means of extra pins or (Continued on page 108)
GARGLE EVERY 2 HOURS
when you have a cold or inflamed throat

You can often relieve sore throat and check a cold before it becomes serious, by gargling with undiluted Listerine every two hours.

Listerine used thus repeatedly seems to give nature an extra attacking force she needs to overcome disease germs multiplying in the nose and throat.

This safe, healing antiseptic kills germs in 15 seconds (fastest killing time accurately recorded by science). Even Staphylococcus Aureus and Bacillus Typhosus in counts ranging to 200,000,000 are killed by it in that time.

Used in the mouth, it first kills and then removes such dangerous organisms as the Streptococcus Hemolyticus, M. Catarrhalis, and B. Influenzae, the germs usually associated with colds and sore throat.

When Listerine is used as a mouth wash and gargle, it reduces the number of germs in the mouth 98%, as shown by repeated tests employing the method used at the great Universities. Moreover, it soothes inflamed tissues and sweetens the breath.

Make a habit of gargling morning and night with Listerine, as a precaution against having colds and sore throat. Once these troubles have developed, however, consult your physician and increase the frequency of the gargle.

Lambert Pharmacal Co., St. Louis, Mo., U.S.A.

KILLS 200,000,000 GERMS IN 15 SECONDS

LISTERINE reduces mouth bacteria 98%

Down comes the price — 50c quality Listerine Shaving Cream — now 25c.
Recent Developments in Building

(Continued from page 106)

The second unit is an electric motor and a self-winding 15 jewel clock mounted near the heater. This is connected electrically with the thermostat, and mechanically with the draft and check dampers on coal fired furnaces, and electrically with the supply valve on gas fired boilers, and electrically to smoke detectors.

The motor wound clock which is operated directly from the electric current will continue to operate for three and a half days should the current fail. It is provided with a device which makes it impossible for the spring to become unwound.

The third unit is a suitable form of limiting control, including the program and automatic dial already referred to; these control the heater and may control auxiliary circuits, other devices as mentioned.

Individual Gas Systems

(Continued from page 104)

they may give efficient results. Back of their organization stand resources and equipment which insure a fixture gas supply without the possibility of a delay. And through their cooperation with one of the well-known store companies, equipment may be obtained which will secure the greatest in value and satisfaction for the gas consumed.

Company "C" makes a point of recommending its gas for lighting as well as cooking, water heating, refrigerating and laundry purposes. The light from this gas does not flicker and is soothing to the eyes. It is a real natural gas, purified and compressed into seamless cylinders, two of which are enclosed in an outside chamber and each exchanged as it is emptied.

Each cylinder contains a supply estimated to serve the average home for about two-and-a-half months, giving an odorless and sootless flame which burns under constant pressure. Behind the product stands a company of huge assets.

The company's own engineers have developed the lighting fixtures for both attractive appearance and economical operation, and if cooking is the purpose for which the gas is intended, a range is included.

Still another firm ("D") distributes through the New England States a pure natural gas from the oil fields of Oklahoma. Their installation carries a five-year guarantee against defective parts. Their equipment also is of the type of Company "A", with two available cylinders, and they too, cooperate with a store manufacturer so that maximum results may be secured from their gas by the use of an efficient type of equipment. This gas, too, burns just like city gas, at the turning of the cock and striking of a match and may serve any kind of gas appliance.

A company which has been distributing liquified petroleum gas for domestic use for almost a quarter of a century, will list reasons. "This gas is installed in twin cylinders outside the house and in operation is the same as natural gas. It is advertised as cheaper than electricity, safer than gas, lights instantly into a hot, blue and odorless flame and may be used with range, water heater, lighting system or any other equipment.

The Pacific Coast, especially, is favored by Company "E", which bottles the volatile parts of natural gas into metal cylinders at a very moderate pressure. This provides one of the heavier forms of natural gas for cooking, water heating, laundry appliances, refrigerating, for incidental heating or, in warm climates, for actual home heating. For use on board a boat, this company compresses its gas into different sizes of small containers to suit the needs of any marina kitchen.

The facilities and resources of a great oil company serve the Pacific Coast in the gas distributed by company "G". Cylinders, holding one-hundred pounds each, feed the gas to any of their orjganization's stores which furnish the fixed equipment.

The company advises the client considering the installation of their equipment to order the equipment needed through the gas company as the company itself does not furnish the appliances to burn their fuel.

A company we will call "H", has the gratifying task of making simple and easy the preparation of meals on the shipboard. The steel cylinders which contain about fifty pounds of their highly satisfactory fuel are designed for storage in the compact quarters of a boat and as the gas generates its own pressure, this is unnecessary. The fuel is in the form of gas the entire heat and light is generated in the range by the cylinder to the range to the source of an inflammable liquid heating into the galley is happily absent. The ranges put out by this company are real ship stoves, clean, safe, convenient and versatile. There is no pre-heating.

WHAT MAKES A VIOLET SO DELICATE AND PLEASING?

Beauty of color makes it appealing and charm added by its texture. . . . Improve beauty also results from the fabric or tone of Wall-Tex. . . . Wall-Tex gives you wide selection of attractive new patterns and colorings—and the important question of decoration is decided. Walls should come first—and Wall-Tex—richly deserves first consideration when this purpose for which expression is sought.

T. H. E. charm and beauty of any room depends, primarily, on the wall covering. Good decoration enhances the charm of fine furniture and beautiful hangings, largely influences room perspective and is a most important factor in securing the desired tone or mood for which expression is sought.

Walls should come first—and Wall-Tex, the fabric wall covering of enduring beauty, richly deserves first consideration when this important question of decoration is decided.

Wall-Tex gives you wide selection of attractive new patterns and colorings—and the added richness of fabric texture. You may choose from conventional or modernistic designs, bright colors or pastel tints.

Wall-Tex retains its beauty through the years. Tough and elastic, it is not easily marred. The water-proof surface can be quickly cleaned with a damp cloth—or washed thoroughly with mild soap and water. Ask your decorator or dealer to show you the new Wall-Tex patterns. Write us for samples and interesting folders. "The Important Points of Interior Decoration" and "The Modern Trend in Wall Coverings".

COLUMBUS COATED FABRICS CORPORATION
Dept. R-5, Columbus, Ohio

WALL-TEX fabric wall coverings of enduring beauty
Directoire . . .
FOR THE MODERNS

A Directoire window—white silk curtains edged with gold braid, gracefully and ever-so-carefully draped . . .

furniture that would have delighted the Empress Josephine . . . to finish the picture, a splash of brilliant tulips—this, in a home of modern feeling.

Such is one of hundreds of suggestions in House & Garden's Book of Color Schemes—a book fairly teeming with color variations for every type of room, for every style of decoration and architecture.

House & Garden's Book of Color Schemes is more than a series of vivid inspirations . . . it is a decorator's handbook of great practicality.

It tells you in detail how to transform rooms with the use of color . . . which colors are best adapted to each period of decoration . . . how to combine colors in the room . . . new ideas for wallpapers, painted walls and furniture, upholstery and drapery fabrics.

With the Book of Color Schemes to inspire you, you can devise gay new color schemes of your own . . . with its careful guidance, you can evolve the most enchanting effects in the most difficult of rooms.

Your house deserves the added charm that the Book of Color Schemes can help you give it. Why not send for this book to-day?

HOUSE & GARDEN'S
BOOK OF COLOR SCHEMES
$5.20
POSTPAID

227 PAGES • 237 COLOR SCHEMES • 312 ILLUSTRATIONS
THE CONDÉ NAST PUBLICATIONS, INC.
WINTER BABIES AND THEIR MOTHER'S NEED

"Sunshine"

The General Electric Sunlamp Radiates Virtually All the Beneficial ULTRA VIOLET of the Midsummer Sun

EVERYONE knows that summer with its abundant, vital sunshine is Nature's season of health and growth. Outdoor babies appear to grow sturdier...expectant mothers to gain new strength.

Ultra-violet, flooding the skin, apparently develops Vitamin D potency, aiding the body to use more minerals from the diet...salts that help build sound young bones; that promote baby's well being; that assist mother to resist the exceptional demands of bone-building minerals often placed upon her own skeletal structure and teeth.

But what of these mothers and babies in winter... when sunlight contains only about one-twentieth as much ultra-violet?

Science provides a solution: "Indoor sunshine," from the General Electric Sunlamp...rich in beneficial ultra-violet. It improves health and well-being...increases bodily resistance. Good for the whole family!

Attach a General Electric Sunlamp at any ordinary A.C. lighting outlet. Use it for a few cents an hour.

Let us tell you more about "indoor sunshine." Just write Section L-582, Merchandise Department, General Electric Company, Bridgeport, Conn.

Refinishing Of Old Furniture

(Continued from page 64)

will give the effect of beautiful old maple. On poplar, because of the decided difference in texture, the coloring is sometimes used only on the lighter parts of the wood. Oil stains, of course, may be used instead of pigment color but these must be applied lightly and an important thing to remember is to use a stain which suits the grain and texture of the wood. Oak, stained mahogany color, for instance, will always look like a poor imitation, while cherry, butternut, gumwood or birch is well adapted for a mahogany stain. When the color is right and thoroughly dried, the piece is ready for a final finish.

Old wood is finished today very much as it was by cabinetmakers of other periods. For the amateur, a finish of shellac rather than oil and wax is to be recommended. It requires less effort and patience, although it should be borne in mind that any kind of refinishing is considerable work and unless we are ready to put all our energy into the process, the furniture should be sent out to a professional refinisher.

Shellac as a wood finish first came into general use in England in the latter part of the 17th Century, when it appeared on some of the exquisite marquetry of the William and Mary period. It was also used by the famous Georgian cabinetmakers—Chippendale, Hepplewhite, Sheraton and the Adam Brothers. The method in those days, according to the old records, was to dissolve white gum shellac in alcohol and brush it on with no previous application of oil. After several coats of shellac were applied, a polish was given with a paste of beeswax and turpentine. Today, the following is an accepted method and one with which the writer has had personal experience and excellent results.

Use either clear or orange shellac (the orange will deepen the tone somewhat) thinned half and half with alcohol. Apply two or three successive coats, rubbing down all but the last with the finest sandpaper or steel wool. The final coat is to be rubbed with pumice and oil. The hot way to dry this is to moisten a rubber felt or heavy wood pad with crude linseed oil, then sprinkle it with pumice, taking care that the pad does not become dry enough to allow the pumice to scratch. Each coat of shellac must be thoroughly dry before the next is started. The rubbing must be done with a gentle pressure in order not to break through the film. When the work is completed, the piece should be given a nitrocellulose with an oily rag. This process is often improved by preceding it with a nitro treatment already mentioned, but where the oil is found to darken the wood too much, it may be omitted. A piece of furniture finished with shellac has the advantage of a hard surface which is not easily marred.

During the Jacobean period in England, the furniture was either left in its natural state or given a dressing of oil or wax or both, and these treatments continued in favor for the simple cottage and farmhouse furniture, usually of oak, and even for some of the more sumptuous pieces.

In using an oil and wax Polish today, especially on open grained woods such as oak or mahogany, it is sometimes thought best to give a preliminary application of shellac to fill the pores and make a smooth and durable surface. The shellac should be well rubbed, until virtully none remains on the surface. The oil is next applied, standing twenty-four hours, as previously described, before waxing. Ordinary paste wax may then be put on with a scrub brush, first across and then with the grain. After standing about an hour it should be polished with a pad of wool cloth, first in circular motion and then parallel with the grain. Follow with a second coat, applied with a piece of cheesecloth and polished in the same way.

Above all, in refinishing furniture, make sure the surface is clean and smooth and dry before beginning. Then secure a mellow and appropriate color by use of pigment or stain or oil. Finally, no matter whether the finish is to be shellac or wax, be prepared to use patience and perseverance in the subsequent polishing. When the work is done, preserve its beauty by simple care.

Pentstemons Bring Rainbow Color

(Continued from page 81)

P. aureus, clear blue, through violet to reddish box.

P. glaber syenitiss, bright sky blue.

P. hauseri, dark purple.

P. glaber, clear, bright.

P. helianthus, light azure.

P. hians, dark blue to purple.

P. humilis, deep blue.

P. lineolatus, deep blue.

Lilac, Violet, Purple.

P. barrettii, lilac, purple flushings.

P. carduus, bright purple.

P. davidii, dark purplish blue.

P. diffusum, purple to blue, tall.

P. fraunitics, lilac-purple.

P. clausius, pale lavender to violet.

P. lutea, deep blue, violet, pink.

P. monieri, violet.

P. ramosus, dark blue to purple.

P. procerus, blue violet.

P. rosei, bluish purple to clear blue.

P. spectabilis, rose purple, lilac, blue.

P. rosei, bluish purple to clear.

P. palmeri grandis, cream and lilac.
An Antique Louis XV inlaid Commode with original bronze mounts. Signed F. Foliot, Circa, 1750.

WHAT ABOUT REAL ESTATE INVESTMENTS?

Hetty Green, one of the shrewdest financiers in the history of America, once said: "The way to get ahead is, first, to make sure your principal is safe and, second, to accumulate the interest."

It is significant that savings banks are permitted to invest 70% of their deposits in real estate mortgages.

Investments in essential commodities, notably land and building properties, are naturally much less affected by fluctuations in market values than investments in commodities of the luxury class.

Real estate offers a wide range of investment possibilities worth investigating, especially first mortgages, first mortgage certificates, and the stocks and bonds of development and management companies.

The booklets listed below will give you more detailed information. Write to us, and we will be glad to have any or all of them sent to you.

BUILDING FINANCIAL INDEPENDENCE  
S. W. Straus & Co.
FIFTEEN REASONS  
Bond and Mortgage Guarantee Co.
GUARANTEED SAFETY  
Lawyers Mortgage Co.
KEEPING DOLLARS SAFE BUT BUSY  
The Mandel National Corp.
THE FRENCH PLAN  
Fred F. French Investing Co., Inc.
THE IDEAL INVESTMENT  
New York Title and Mortgage Co.
FINANCIAL DEPARTMENT  
The Conde Nast Publications

1930 Graybar Building  
420 Lexington Avenue  
New York City

For Perfect Comfort

THAT oft-felt yearning for perfect bodily comfort and complete mental repose is instantly gratified when one drops into the roomy embrace of this luxurious Chaise Longue Rocker. Developed from a Chinese model imported several years ago by an officer of this Company, perfectly balanced so that one may recline in safety, it makes an ideal companion piece to the Wheel Chaise Lawn that is now so much in vogue.

You are cordially invited to visit the Sons-Cunningham showrooms, where a most representative display of the finest quality teak and rattan furniture is available for selection. Or send 20c in stamps or coins for portfolio W containing colored prints and other illustrations.

J. WOODSON & CO., INC.
ESTABLISHED 1856
383 MADISON AVENUE  
NEW YORK
Always swinging smoothly on bronze bearings, Fenestra Steel Casements never swell, warp or stick. And these ultra-modern windows are opened, closed and locked tight with a small annual six inches tall, bears shiny yellow star-shaped flowers in clusters, self-sows freely. Six inches. Sun or half shade.

Bacopa gracilis, Sunshine, is a quaint and graceful little Californian growing from four to eight inches tall and bearing yellow star-shaped flowers in profusion.

Campanula rotata is a hardy annual of very dwarf habit, profusely bearing bright blue-purple blossoms of very great size. There is also a white form. C. loryi grows taller, at least a foot high and bears over a long period very large blossoms varying from white to mauve. Very effective.

Catalpa bignonioides, Brass Buttons, a small annual six inches tall, bears rayless yellow flowers. Not very pretty but useful in damp places.

Cynoglossum arvense, bearing beautiful sky-blue blossoms throughout the summer and autumn, is very valuable. It grows twelve inches tall and in this garden self-sows freely.

Dessingiella elegans or D. pachystyla, very small plants bearing blue and yellow Lobelia-like blossoms and narrow leaves. Four to six inches tall. California, D. downingi is a relative of Campanula.

Eschscholzia, California Poppy. There are several diminutive forms suitable for use in the rock garden. Eschscholzia, with Primrose colored blossoms and gray leaves is one, and E. concinna is another. They are no more than five inches high and are frail and over-modern windows. Then, too, you'll enjoy the convenience of outside washing from within the room, the extraordinary weathertightness. Extra light, better control of ventilation, and outside washing from within the room, the extraordinary weathertightness.

A quick-growing little annual from Portugal, known as Violet Cross, forms dense clumps of violet colored flowers scarcely one inch high. Excellent for the rock garden and will not crowd out other plants.

Worthy Rock Garden Annuals

(Continued from page 74)

Erythrosima gilboa. Pink Gentian. One of the most charming of Californian wildflowers, growing under six inches high and bearing a quantity of bright pink flowers in heads that have been compared to little bouquets. Grows well under quite dry conditions.

Gilia. Several of these charming western annuals may be made use of in the rock garden. Gilia, known as Violet Cress, is an attractive little plant reaching a height of two to four inches, with tiny leaves and the characteristic Phlox-like blossoms, pink or lilac, with a yellowish throat. Likes to grow in sandy ground.

G. tricolor, Bird's-Eyes, grows from nine to twelve inches tall and bears pretty pale lilac flowers yellow at the center. G. wrightii grows eighteen inches tall and bears lovely pure white fragrant flowers stained orange at the throat. The Gilias come from the foothills of the coastal ranges.

Grumichama genianoides, a three-inch annual bearing bright orange colored flowers. It likes best a situation in full sun.

Ippostilum acaule, the Violet Cross, is an engaging, quick-growing little Portuguese annual no more than two inches high, forming tiny dense tufts of violet-colored flowers. This is one of the best of rock garden annuals and is too small to be a source of peril to the most delicate alpine. Sow seed in spring in places where they are to remain.

(Continued on page 114)
MARMON SIXTEEN
PRE-SHOWING

The Marmon Sixteen, the world's most advanced motor car, may be viewed at pre-showings to be held at the principal 1931 Automobile Shows.

The Marmon Sixteen looks and performs like no other car...Sixteen cylinders; 200 h.p.: Priced under $5000: Engineered by Howard C. Marmon: Designed by Walter Dorwin Teague.

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START this year gloriously—and economically! Put new pride in your kitchen and more dollars in the bank. Stop waste of food, time and effort. Cut living costs and guard family health—with a thrifty all-steel General Electric Refrigerator.

Over seven hundred thousand owners know this modern necessity actually saves more than it costs—returns substantial dividends plus lifetime convenience and satisfaction—diminishes the difference between January resolves and December realities.

The General Electric Refrigerator—born of 15 years' tireless research—offers every advantage of electrical refrigeration. Food is kept safe and appetizing in crisp, dry cold constantly below 50°. A host of tasty low-cost dishes crowd your menus. Food spoilage is reduced to a minimum—household duties lightened. You can enjoy the advantages of quantity purchasing—save many tiring trips to market and have a well-stocked larder all the time. Barricaded behind sturdy walls of steel—hermetically sealed in the distinctive Monitor Top—General Electric's carefree refrigerating unit glides quietly in a perpetual supply of oil. Aided by natural laws its smaller motor consumes less current. The General Electric Refrigerator is modern—beautiful—ageless in design. Cabinets are all-steel, porcelain-lined—durable and easy to clean. Let its amazing service record in your neighbors' homes guide you. Prices are reasonable—down payment modest and terms liberal. It takes a big income to afford the waste of inadequate refrigeration. Don't go through another year without the proved convenience and economy of a General Electric.

Make sure of this year's SAVINGS

GENERAL & ELECTRIC
ALL-STEEL REFRIGERATOR

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Whether gardening is your hobby or prime interest in life, you do insist upon complete and authentic information on the subject.

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KERNERATOR INCINERATION
Solves the waste disposal problem forever!

Convenience and sanitation are outstanding characteristics of the truly modern home. The Kernerator is the trouble-free method of waste disposal, replacing the inconvenient, insanitary garbage can and the dangerous rubbish burner.

Rubbish, garbage, sweepings, newspapers, magazines, tin cans, bottles—all household waste—are placed in the handy hopper door in the kitchen and fall down the flue to the combustion chamber in the basement. The accumulation is air-dried and destroyed by burning.

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With GAS or OIL for HEATING—what will you do with WASTE and RUBBISH?
WORTHY ROCK GARDEN ANNUALS

(Continued from page 112)

Kaufmannia amelloides is a free-flowing South African annual bearing a profusion of lavender-blue Daisies, with a deeper-toned disc. It likes sun and to be sown where it is to flower. Hardy, Nine inches.

Lavatia elegant, Tidy Tips, another Californian growing a foot tall with yellow Daisy flowers, sometimes white tipped. Footills and plains.

Leptosiphon hybrids, tiny three-inch plants thickly studded with brilliant small blossoms of various colors. L. alexius is similar in type but bears yellow flowers. L. andreanum grows taller, nine inches, and is a profuse blooming plant bearing large heads of lilac and white flowers. These are hardy annually and may be sown early where they are to bloom.

Lunasites douglasii, Meadow Foam, is a charming Californian Poppywort, with slender half trailing stems carrying many large, frail "Poppies" that are white with a yellow base. It is a vigorous plant and should not be placed in the choicest positions. Self-sows.

Lunaria alpyca, a delightful little biennial with small brilliant tipped flowers in orange and purple freely borne on half trailing plants and neat gray-green foliage. Blooms all summer and autumn. Self-sows. Sometimes considered perennial but has never been so in my garden.

Mecynorhiza tricolor is a dwarf, half-hardy annual that thrives in acid sunny situations. It grows only three inches tall and bears large rose-colored flowers with a dark center.

Mouras treemontii, Pink Monkey Flower, is a four-inch annual with rather large bright pink flowers. It likes a sandy soil.

Nepenthes insignis, the well known Californian annual called Baby Blue Eyes by reason of the soft blue hue of its flowers, grows well in dampish places and in partial shade. Six inches tall. N. maculata is a little plant of spreading habit with white flowers each petal of which wears a purple spot. Also thrives in the rock garden. The Chilian Bellflower, is a vigorous plant from South America with trailing stems that makes a good ground cover in sunny places. The blossoms are like small lavender Morning Glories. It is too vigorous for choice situations but may be used as a ground cover over strong grasses or bulbs. It does not transplant well so is best sowed in places where it is to bloom.

Oenothera speciosa, the Chilian Bellflower, is a vigorous plant from South America with trailing stems that makes a good ground cover in sunny places. The blossoms are like small lavender Morning Glories. It is too vigorous for choice situations but may be used as a ground cover over strong grasses or bulbs. It does not transplant well so is best sowed in places where it is to bloom.

Oenothera speciosa, a hardy annual with small red rose-pink blossoms. S. pendula compacta, Enchanted Lychnis, is described as forming dainty little bushes of purplish foliage and stems covered with brilliant, deep crimson rose flowers. Four inches.

Paphiopedilum, a hardy annual with small red rose-pink blossoms. S. pendula compacta, Enchanted Lychnis, is described as forming dainty little bushes of purplish foliage and stems covered with brilliant, deep crimson rose flowers. Four inches.

Papaver dubia, a hardy annual with small red rose-pink blossoms. S. appendiculatum, one of the most beautiful of the Californian flora. It flowers are bell-shaped in pendent clusters and of the most lovely blue, brilliant and pure, and produced in a long succession. It grows from eight inches to a foot high and forms neat little bushes of light gray-green foliage. Prefers light, warm soil with time.

Platanthera californica, known as Cream Cups in its native lower California hills, is a pretty, graceful plant with slender, hairy stems and graceful leaves, growing about a foot tall and bearing cream-colored flowers often stained with bright yellow. Sow where it is to flower.

Saxifraga procumbens is a small little spreading plant that bears tiny Sunflowers in the greatest profusion. It is a plant for a hot, sunny situation. Half-hardy annual. Six inches.

Saponaria calabrica, related to the roadside Bouncing Bet, is half trailing in habit and bears masses of tiny pink blossoms the summer through. It likes a sunny situation.

Sedum cauticiformis, annual member of this almost wholly perennial family, is one of the most precious of small treasures. It grows only an inch or so high and bears small pale blue flowers on gray-green round stems of 4-6 inches. It is a very pretty plant for small choice crevices in soil that is on the side of dampish. It comes from the regions about the Mediterranean. Now where it is to bloom. The two biennial Sedums, S. spectabile and S. xiphophyllum, are the brightest jewels in the Sedum crown. They are easily raised from seed and are hardy annuals. Six inches.

Sempervivum swalkeri, a hardy annual with white flowers, may be sown about the edges of the rock garden for the sake of the quite delightful fragrance that is given off in the early morning and at sunset. It grows eight inches high.

Silene armoria, Lobellis Catchfly, grows a foot tall and bears in great quantity heads of bright rose-pink blossoms. S. pendula compacta, Enchanted Lychnis, is described as forming dainty little bushes of purplish foliage and stems covered with brilliant, deep crimson rose flowers. Four inches.

Sisyrinchium campanularia, a hardy annual with small red rose-pink blossoms. S. appendiculatum, one of the most beautiful of the Californian flora. It flowers are bell-shaped in pendent clusters and of the most lovely blue, brilliant and pure, and produced in a long succession. It grows from eight inches to a foot high and forms neat little bushes of light gray-green foliage. Prefers light, warm soil with time.

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You carry a mirror-compact in your purse, don't you? You peep at yourself in it . . . powder your nose . . . tuck in a curl . . . of course!

How long is it since you've done that little critical service for your house? Would a caller see how shabby your comfortable couch is? . . . that your curtains are not-so-bright? . . . that your wallpaper is outmoded? Has your house's nose gone a bit shiny without your noticing it?

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700 pictures of interiors that cost thousands, yours to study, for $5 . . . tables of color-schemes . . . an outline of period furniture . . . addresses of the foremost decorators . . . a catalogue of reference books . . . a list of brochures issued by manufacturers of household equipment . . . the “how-to” sort of thing in all house problems . . . the cream of House & Garden skimmed off six years of publishing. And all for only $5 . . . less than the cost of refinishing a single chair.

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220 pages . at fine bookstores 700 pictures

THE CONDÉ NAST PUBLICATIONS, INC.
Graybar Building, New York City

[Advertisement details]
Plant Carpets Of Many Patterns

(Continued from page 77)

follows the flower and seems to be a delicate honeybee. The garden has established growth, and several flowers are clustered together. It will be a nice prelude to planting your first garden.
Rarely have there been so many or so entrancing new presentations—and to them we have added some 40 other varieties equally desirable, little known Rarities and Schling Specialties—the delight of the flower loving cognoscenti. Amid so much distracting loveliness it is hard to choose—best order the entire collection (See Offer E) and treat yourself and your friends to a glorious garden of beauty.

**Novelties of 1931**

**Absolutely New!**

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E. ulovia Astera—Snow White—First of a new hybrid group—very short stems covered with white hoarfrost, readily forms a bushy clump. Excellent for bedding. Pkt. 75c

Aurinia Maximowiana Rosea—bells to emphasize deep rose color, very short stems attractively spread and form a dense clump for border planting. Pkt. 75c

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Archibald Preston's Aurinia—another lovely golden yellow daisy from Africa with purple center in the bloom. Pkt. 75c

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Schling's New Annual Double Fringed Hybrid Chrysanthemum—very double. Pkt. 25c

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Marvelous not only for size, though the flower spikes rival the gladiolus in height and vigor—but also for its rich, deep red copper red—bright, scarlet unison in snapdragons and indescribably beautiful—no other snapdragon remotely approaches it. Pkt. 75c

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- Very Special! Offer E off a packet each of every variety listed! Based on this page except the Peas A $12.00

- $4.30 value for
Silver From The Orient
(Continued from page 100)

The oldtime trials of mowing the moderately large lawn—pushing the mower back and forth, moving up and down the terraces, keeping the cutting reel from slugging, and finally having to resharpen the cutting knives—these laborsome duties are entirely forgotten in the enjoyment of using the Jacobsen "Junior" Power Lawn Mower.

A Typical Jacobsen Achievement

It is endowed with the well known Jacobsen standards which have won national leadership in the past decade. Its special built Jacobsen motor drives it through heavy grass and up the steepest terrace. It handles easier than a push type mower. It moves anywhere a hand mower will go. When the reel becomes a bit dull, it is sharpened in a few minutes on the mower by a special reverse attachment.

Features You Will Like

Rare ease of operation is secured by two separate cone clutchers. One clutch controls the traction unit, the other controls the cutting reel. If a stick or stone causes the reel, the clutch slips and saves perhaps a bad break.

A Jacobsen for Every Type of Lawn

Other Jacobsen power mowers include the "4-Acre" heavy-duty type with the rubber-tread, wheel and sickle-bar attachment, also the "Estate" roller traction mower with 24 and 30-inch cutting widths for formal lawns, and the widely popular Jacobsen Putting Green mower, all of which have proved real sensations of power mower exhibits at national flower shows this year.

INSECTS AND THEIR CONTROL. By Andrew Wilson, Springfield, N. J.: Andrew Wilson, Inc.,

HERE is, beyond question, the most complete, lucid and practical book that we have seen on the perplexing problems of checking the insect hosts in our gardens, shrubs, trees and house plants. It goes further than this by devoting a small but effective section to the control of clothes moths and other pests of the household.

Mr. Wilson has done well to approach the subject from the standpoint of the plant attacked rather than the insect attacking. Most of us, when we first discover that something has been chewing our Apple trees, for instance, are sure of just one thing: that the damage is being done to the Apple, not to some Maple or Elm. Very well, we simply look up Apple in Mr. Wilson's book and under that heading find listed and described all the Apple pests and the necessary instructions for destroying them. The whole volume is planned in this way, so that it becomes an invaluable title in every well regulated home-gardening library.

The author has done well, too, in sketching the life cycle of each of the pests he covers and in illustrating many of them with excellent photographs and drawings. Not only is the interest of the book greatly increased by this, but the actual results achieved by following the directions are made more certain. If we know just why certain preventative and eradicative steps are taken, we naturally proceed with more assurance and effectiveness. In other words, knowledge of the history, habits and future plans of the bug we wish to kill is of definite help in killing him.

R. S. L.


ALL that the magazines are publishing about home and garden making, and the many notices that it finds in even the daily newspapers seem to be bringing a folding down of the hearts of the many who, for convenience if not because of necessity, live in the compactly built portions of cities. To them, in judging the author brings comfort through her approach to the subject from "the point of view of the present-day gardener."

She shows "how to make the most of a small space, how many paths to have, how to place the few shrubs so that they will look like a luxuriant planting, and what the proper plants are to use, how to include shade and privacy, and give a connecting background for benches, pools, pots and shrubs. Painted walls and tiles add color."

Not only our own Southwest, with conditions similar to those of Spain, can enjoy the convenience of ceramics that are not affected by disease or (Continued on page 120)
Beginners in rose-growing, as well as expert rosarians, will be delighted with the great collection of Roses in our nurseries. Hybrid Teas in every tint and color known to date; charming old-fashioned Teas; luscious, fragrant Hybrid Perpetuals; dozens of dainty Polyanthas; an amazing array of Climbing Roses; intriguing groups of Chinas, Sweetbriers, Cabbage, Moss Roses, Species, and others. The plants are splendid, field-grown, low-budded, matured in a long, dry autumn. They are ready to break into eager growth, and burst into abundant bloom in your garden.

Roses by Bobbink & Atkins

Our catalogue describes and prices nearly a thousand Roses. Their merits and demerits are clearly stated. All are classified and arranged to make selection easy. A copy of the new edition will be mailed on request to those who intend to plant Roses.

Bobbink & Atkins, Rutherford, New Jersey

Please mention House & Garden when writing for the Rose book.

For perfection of form and charm of color, Dreer's Famous American Asters will be a revelation to those who know only ordinary varieties. To introduce these superb Asters, which are easily grown and bear a profusion of large flowers, we make this Special Offer. Six 1/4 oz. packages of seeds of six leading varieties, all different colors, $1.00 for the collection. Six packets, all different colors, $0.50.

Dreer's Garden Book describes our complete assortment of Asters, including those in above special offer. It is the most comprehensive book on flowers and vegetables published and contains valuable cultural advice and list of fertilizers and tools required for successful gardening.

For a free copy mention publication and be sure to address Dept. K

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In the first place, you will find in no other, an equal number of kinds and varieties. In the second place, it's the first time any rock and hardy plant catalog has ever contained full cultural directions for each kind of plant. And when we say full, we mean just that. It tells you in a friendly, helpful way, exactly what to do to get the results you are seeking.

Furthermore, in it you will find a wealth of illustrations and an unmatchable inclusion of the best that's procurable in rock and hardy plants. Plants that are of highest quality, as no other do we sell. If you are seeking information and such quality plants, then send for this help filled catalog.

GARLAND FLOWER

For its lovely fragrance the Garland Flower surely deserves a choice place in your plantings. Price for bushy flowering plants about 7 to 9 inches in diameter, each 75 cents; per 3, $2; per 12, $8. Complete cultural instruction will be sent with each order!

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Dependable Equipment Produces Beautiful Lawns

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A style and size suitable for any lawn—each model is moderately priced and all are fully guaranteed.

Full particulars and name of nearest Coldwell Representative on request.

COLDWELL LAWN MOWER COMPANY, NEWBURGH, N. Y., U. S. A.


Wayside Gardens

Mentor, Ohio
drought—until the flowers—and which are a permanent embellishment to the garden. The charms of flowing water also can be had in a pent-up city garden. For the construction of pools and rills the author gives advice based upon what the people of Spain worked out, but adapted to modern America, as is the case with the other accessories and with the plants also. There is treated special attention to colors which can be enjoyed so intensely in such confined garden areas, the subject of fragrance. It is shown that not only by the use of pots may plants be added, but by the use of ledges and balconies also, these in general ought to be more generally taken advantage of.

For the average gardener the most valuable part of the book is that which deals with the three ways of planting flowers in beds of a small garden, the Arabic mode of mixing all colors, shapes and varieties—the way that gives most fun to those who grow their own gardening, the French manner of planting formal rows of plants, tastefully graduated in tone and height like a striped ribbon, each stripe a bit higher than the last; and the English way—a combination of the Arabic and French, with flowers mixed in height and color and with accents repeated throughout.

F. B. M.


Here at last is the book for which hundreds of amateur plants people have been wishing—and for which thousands more will soon be visiting the bookstores if they recognize a good thing when it is offered to them. For Dr. Houghton (who is the President of the Cactus and Succulent Society of America, by the way) has produced a fascinating volume which for directness, clarity and vivacity is in a class entirely by itself. Everyone at all possessed of a feeling for plants to remain wholly untouched by the peculiarly stimulating quality with which the author has invested his pages.

Yes, an absorbingly interesting book and one which is intensely lucid and practical. It tells in detail how to grow Cacti from seed, how to hybridize and propagate them, how to propagate by cuttings and grafts. It deals succinctly with the matters of watering and care and gives a list of growers who issue catalogues and lists of the 1,900 known species and 3,000 hybrids to open the gate into what is, for practically all of us, a new and immensely satisfying in telling, in a clear and practical manner the subject of fragrance. It is shown that not only by the use of pots may plants be added, but by the use of ledges and balconies also, these in general ought to be more generally taken advantage of.

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Plant the Beautiful—Hardy—Fast Growing

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Plant this Spring and enjoy abundant shade in a few short years.

The tree shown is growing at Sodus Point, New York, on Lake Ontario. When planted three years ago it was a little whip 5 feet tall. Last August it measured 17 feet high, with a branch spread of 10 feet and a 4 inch trunk.

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CAUTION! Do not buy the lately North China Strain, endorsed by the U. S. Department of Agriculture. Cheap Chinese Elms from seed gathered near Nanking have none of the fine qualities of the North China Elm, and results from planting them are disappointing. We grow only the hardy, certified North China Elm.

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An expert Landscape Department is at your service. Write for the free Catalogue today.

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"We furnish the home—outdoors"
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BRUSH BURNING. Winter and snow-covered ground make ideal conditions for setting fire to that brush-pile which you were afraid to light last fall because of the predominant drought conditions. There need be no fear of the blaze getting out of control now—the woods couldn't be set afire if you wanted to. If the pile is wet, don't try it. A bunch of old newspapers pushed under it and a quarter of kerosene sprinkled around on top will create conditions which a single match can transform into a regular Election Night bonfire.

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Catalog describing these Dwarfs, Roses, Shrubs and Ornamentals free for the asking.

Van Dusen Nurseries
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If you will send us 10 cents, and mention where you saw this advertisement, we will mail you Henderson's new catalogue, "EVERYTHING FOR THE GARDEN," and the new Henderson 25c Rebate Slip.

Every Rebate Slip
Counts As Cash

The Henderson Rebate Slip, when returned to us, will be accepted at 25c cash payment on any order of Two Dollars or over. In addition, we will include with your order, without charge, our Henderson Speciality Collection of six of our best-known introductions: One packet each of Ponderosa Tomato, Lily Boston Lettuce, Early Scarlet Lettuce, Raspberry, Evergreen Currants and Giant Waved Spider Sweet Peas.

“Everything For the Garden” is the title of our annual catalogue. For each year, it is a beautifully illustrated book with 36 full color plates and hundreds of interesting illustrations direct from actual photographs of results from Henderson's seeds. It is the finest and most complete catalog you will ever issue.

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The Garden Scrap Book

New Chrysanthemums
That Bloom in Early Autumn

With gold, pink, bronze and white these extra early flowering Chrysanthemums have gained the gardeners a great display of color before frost comes. The wonderful colors, and the early bloom, give them distinct value for cutting as well as garden use.

E. Martin Hutto, Decorative Poman (Contract Fibers). Carries many flowers from late September.

Frames Whitfield. Rich bronze and purple flowers are gorgeous in early October.

These new Chrysanthemums will be pictured in color in our catalogue for 1931, which also presents other favorite Chrysanthemums introduced by Bristol, and many new perennials of merit. A copy can be mailed on request—we suggest that you write us today.

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A New Pink Larkspur

A beautiful, true bright, clear pink annual Larkspur which blooms in August and September from seed sown out of doors in the spring.

The long spikes of double pink flowers bloom at the same time the garden most needs color. It is the most beautiful and valuable late flowering pink annual we know and is ideal for cut flowers.

For Special Offer—For 25c in stamps we will send a packet of Los Angeles Pink Larkspur. A doll when you go looking for one!

(Continued on page 135)
Building Materials

Bathroom Fixtures & Plumbing

Hardware

Building Materials (Cont.)

Seeds, Bulbs and Nursery Stock


Secrets of Good Gardening. This interesting catalog lists 108 topics containing a wealth of information on gardening and the control of garden pests. There are several color illustrations. Joseph & Roberts Co., R. F. D., Coldwater, N. Y.

Everything for The Garden. A catalog covering the whole field of vegetables, flowers and many of the small and large garden requirements. It is a comprehensive edition for the garden house. Pickett Hardware & Co., 31 and 37 Cortlandt Street, New York City.

Hill's Evergreens. A catalog containing fifty illustrations of evergreens in natural colors, and practical information on evergreen and planting. The catalog costs twenty-five cents but this will be refunded on the first order sent to D. H. Niles Nursery Co., Box 304, Hudson, Miss.

Kruetz's 1943 Glassblower Book. An annual catalog of glassblowers including both the ruffled and labouratoires. A large number of new and fine varieties of Tulips and Narcissi. Max Schramm & Co., 135 North 18th Avenue, Minneapolis, Minn.

How to Landscape the Home Garden. A booklet written in simple language for the amateur who wishes to landscape his own grounds. A charge of ten cents is made for it. The Stokes & Harrison Co., Box 219, Pasadena, Calif.

Flowering Trees Of The Orient. Mt. A. E. Wiberg has specialized in Japanese flowering cherry trees for years and this catalog gives some interesting facts. In position he has written: Wolfsberg, 923 Montgomery Ave., Nenahre, Pa.

House Furnishings

Clocks

For All Time. An illustrated booklet describing Colonial clocks which, since they have been designed to fit in with practically any scheme. Colonial Manufacturing Company, Zelien, Mich.

China and Glass

The Merchants' Dinner Party. An unusual story of a dinner party is told in this booklet and a number of photographs show various types of Carlbe china and glass. A charge of twenty cents is made for the booklet. Cazeneve, 248 Corcoran Street, Boston, Mass.

Drapery & Upholstery Fabrics

FABRIC, THE KEY TO SUCCESSFUL DECORATION. A booklet of practical help to those who are planning home decoration, describes the important role of color in decoration and gives the characteristics of the different periods. E. Schumachers & Co., 135 W. 39th Street, New York City.

Floor Coverings

KASKATUK RUGS. Seventeen Oriental rug patterns are shown in this booklet. They are reproduced on boards that make it possible to introduce even the finest color values. Kaskatuk Mills, 285 E. 45th Street, O. I, New York City.

New Ideas In Home Decoration. Portraits every room in the house in colors in this brochure. The floor of each of these rooms is covered with some type of Armstrong Broadloom. A mailing charge is made of ten cents.

Decorating Your Home. The many books and a large number of ideas are described and illustrated in various period designs offer helpful suggestions to the do-it-yourselfer. A charge of fifty cents is made for the book. Holland-Nashford Carpet Co., 285 Madison Ave., New York City.

Floor Wax

The Secret Of Beautiful Floors. How to be sure, beyond a doubt, that your floors are in this booklet. The wax is pure, it is white in color, and it penetrates into the pores of the floor. The Floradora Corp., 480 Salem Ave., Yonkers, N. Y.

Furniture

The Charm Of A Livable Home. A few houses in this volume have been designed to fit in with practically every scheme. colonial Manufacturing Company, Zelien, Mich.

Household Textiles

Some Talk Talks. Beautifully colored photographs show several settings in which Old Bleach Linen has been used as the table covering. A charge of ten cents is made for this book. The Old Bleach Linen Co., Ltd., 448 Fourth Avenue, New York City.

Norot Stai Blankets. An elaborately illustrated brochure which collection of blankets in white, colors and plaids. "NOROTI" is a special light weight summertime fabric which is woven on a special loom. The Modern Mill Co., Minneapolis, Minn.

Kitchen Equipment

The Kitchen That Makes A House—A Home. Illustrations show the various periods of designs and sizes available in these cabinets makes it possible to make a layout for either a large or small kitchen. Jakes & Kirland, Inc., 191 Park Ave., New York City.

The Dawn Of A New Day. Photographs show models of Walker Electric dishwashers. Several reasons are given as to why it is advantageous to have such a dishwasher. Walker Dishwashers Corp., 1024 S. Walker Ave., Chicago, Ill.

Table Cookery. The Edicure Speed Toaster, Walker Kitchen and Coffee Siphonator are illustrated and described. Several operating recipes are given. Thomas A. Edison, Inc., Oakland, N. J.

Window Blinds

Kase Quality Venetian Blinds. This booklet explains the ease and quickness with which Venetian blinds can be operated. The different types are illustrated. They come in ivory, green and light gray. Kase Mfg. Co., Kent, Pa.
The Garden Scrap Book

(Continued from page 135)

Decidedly these and other vegetables of delicate flavor must be grown in the home garden if you would savor their true perfection. Maybe you don’t want to bother with Cabbage and Potatoes and Turnips, but don’t, if you love your own home of rare, pass up the real delicacies.

As a matter of fact, the grow-your-own argument might well be extended into the field of small fruits. There are several splendid varieties of Strawberries, Blackberries and Raspberries which are too soft and luscious to stand shipping, and consequently seldom appear in the markets. To deprive your table of them, provided you have the necessary space in which to grow the plants, is to deprive yourself of a very real treat. And, as has been said before in these pages, they’re too much trouble for any real gardener.

FORCING BULBS. When Hyacinths, Tulips and other bulbs, forced for winter bloom indoors, open their flowers while the stalks are still very short the trouble is usually traceable to the way they have been handled. As a rule, they have been given too great a range between 50° and 60° unheated, the bulbs have not been given time to make sufficient root growth before being brought into the warm and light. Slow forcing is best for practically all kinds of bulbs. The temperature should range between 50° and 60° until the leaves are two or three inches long. By that time the pots should be ready for more warmth—around 70°. When the buds appear each pot should be covered with an inverted cone of newspaper, the small end of which has been cut off to leave an opening about an inch in diameter. This is valuable in inducing long stems and checking the development of the flower until height has been attained.

STEEL CURBING. The question of suitable curbing may be just as important as to mark the edges of garden walks, driveways and other areas where a line of sharp demarcation is desired. Often proves a very bothersome one indeed. Without going to too great lengths of elaborateness or artificial appearance it has been difficult to devise something practical and long-lasting. Wood strips, brick, concrete and the other materials usually employed have their disadvantages in many situations.

So it is particularly interesting to note that there is now available a certain which, though widely adaptable, is extremely neat and serviceable. It is in the form of steel strips 3/4" thick and 4" deep, held firmly in place with long steel stakes. When painted a grass green it is scarcely noticeable, yet it keeps the lawn edges in place with complete success. One of its great advantages is that the ease with which it can be bent to conform with any curves which the design of paths or drives may follow.

We shall be glad to advise readers who write to us where this recent but well tested product can be obtained.

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This combination enables us to supply an assortment of hardy ornamental nursery stock, unusual in range of variety and size, in quality and in quantity. Certainly not elsewhere in the northeastern states. If indeed in the whole country, can such a well-rounded stock of trees, shrubs, evergreens, rhododendrons, azaleas and perennials be found.

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Our Handbooks for Spring 1931 will be off the Press' late this month. It lists and describes this unusual assortment of landscape and garden materials. A copy will be sent free of out the Missouri and north of the Potomac (the territory we can best serve) elsewhere upon receipt of fifty cents.

May we suggest that you send for a copy.

Bay State Nurseries
Incorporated
701 Adams St., No. Abington, Mass.

Make Your Face As Young As Mine

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If you will give 5 minutes a day to my wonderful Facial Exercises, you will quickly chase away those signs of age and you will keep them away. These exercises are the most effective way of removing defects because they are the only method which gets at the real cause of the trouble—the hundreds of under-skin muscles whose weakening through lack of proper exercise causes crow's feet, double chin, excess fat, etc. to appear.

My facial exercises build up these muscles and keep them young, strong and healthy. If lines are forming under the eyes, if checkles are sagging more than they should, or if any of the tell-tale marks of time are showing on your face, you can't begin too soon to practice these wonderful exercises. You will notice results immediately in better color and improved circulation, and before you realize it, the lines and other blamables will all be gone!

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These simple exercises work wonders, and I guarantee that I have not one woman who has not been satisfied with the results. I mail out nothing. I make this personal offer because of the remarkable results that I have brought to thousands of other women during the past fifteen years. Send today for my free book which tells you all about this modern, practical beauty aid.

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Look through the travel advertisements in this magazine...write to these companies for literature...then you can decide.
A telephone in the bedroom is a personal, intimate touch that young people appreciate. It saves steps during the day and adds an assurance of protection at night.

In homes so smoothly managed that they seem to run themselves... where all the family carry on their varied activities with ease and comfort... there are telephones located at convenient points throughout the house... in boudoir, library, sun porch, kitchen... wherever time and energy can be saved by quick communication.

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"WE'LL MEET YOU AT THE THEATER AT HALF-PAST EIGHT"

Telephones throughout the house are essential to gracious, comfortable living

The business of living is a complex one in this restless, active age. It must be carefully planned, deftly managed. Or engagements pile up and schedules break down.

Some people seem always to live successfully, with fresh zest and interest for every day. You'll find the secret in their well-ordered homes. Where there is quiet and comfort, but no confusion. Where telephones are located at convenient points throughout the house.

Those telephones—in boudoir and bedroom, in living room and sun porch, in kitchen and laundry—save a great deal of time and energy.

There's no running upstairs or down. Incoming calls are instantly accessible in all parts of the house—to all the family. Calls can be made outside—to a friend, to store or school or office—as quickly and easily as they come to mind.

This telephone convenience is available in your home at moderate cost. Your local telephone company will gladly help you plan the arrangements best suited to your needs. Just call the Business Office.
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Throughout the entire course of its existence, the Steinway has been created under the personal supervision of the Steinway family. Today it is a better piano than ever before, because modern science has put improved tools, surer methods and better materials into the hands of Steinway craftsmen.

For the children’s instruction, the Steinway has the especial advantage of leaving young talent, from the all-important first moment, unhandicapped by the distortive influences that lurk within practice on inferior pianos... and the Steinway is ever a source of civilized pleasure, a focal point of beauty and culture that will help make your family life attractive... Yet it is sold in a manner that puts no strain on even the modest income.
Comrades of the Sun

Out of the North you come to ride the blue breakers... to bask on the sun-drenched sand... to seek respite, in a graceful interlude, from the rigors of the season. And Camels add to your enjoyment.... In their mild mellowness and refreshing fragrance is a subtle quality that only golden sunshine can bestow. ... In the truest sense they, too, are comrades of the sun.