FIVE ROOMS IN ONE!

It can't be done? Yet here is photographic proof of how practical and attractive such a magic space-saver can be. It's a study for Junior, a den for Dad. To Mother it's the sewing room she's always needed. To Sis, who has just reached party age, it's the ideal place for trying on new dresses. Where is the fifth? Come and spend the night, and you'll find it a most friendly guest room. Then you'll fully appreciate how much of its charm comes from the Armstrong's Linoleum Floor. In fact, this newest Armstrong's Embossed effect, design No. 6280, suggested this many-purpose interior.

It's so quiet and comfortable underfoot. So restful to look at. And so spick-and-span. "And so easy to keep that way," your hostess will tell you. Threads, paper snips, ashes brush up jiffy-quick. Even if ink spills, a damp cloth takes away all trace. Occasionally the surface is renewed with Armstrong's Linogloss Wax, which needs no polishing. These are but a few of the reasons why Armstrong's Linoleum Floors have grown so popular. The others you'll see at local stores...a parade of smart fashions that give no hint of their modest price.

MORE ROOM IDEAS

...in fact, a whole bookful... will be sent you if you write for "Floors That Keep Homes in Fashion." Shows different types of interiors in full, natural color. Explains a simple method for planning correct color schemes. Send 10¢ to cover mailing (40¢ outside U.S.A.). Address your request to Armstrong Cork Products Company, Floor Division, 3709 Mulberry Street, Lancaster, Pennsylvania. (Makers of cork products since 1860)

Complete specifications for this room will be sent to you free on your request.

ARMSTRONG'S LINOLEUM FLOORS

for every room in the house

PLAIN • INLAID • EMBOSSED • MARBELLE • JASPÉ • RAYBELLE • MONOBELLE • PRINTED • QUAKER RUGS and LINOWALL
Now is the time to choose the Sterling Silver you have been promising yourself!

The variety of Wallace Sterling designs is greater than ever before. After all, the unique charm of Sterling Silver lies in the beauty of its lines... the individuality of its designing and the skill of its fashioning. Isn’t it artistry and craftsmanship which will ever be inseparably a part of Sterling’s creation? The patterns illustrated herein reflect just the right note of contemporary art in their dignified simplicity, or bring a subtle reminder of classic beauty in their decorative motifs. The prices are moderate. Write for illustrated price list. Wallace Silversmiths, Wallingford, Connecticut.

MEMBER OF THE STERLING SILVERSMITHS GUILD OF AMERICA
American Home arranges a modern window with QUAKER NET CURTAINs

SO SHEER and lovely that they look delicate, are the new Quaker curtains. Not a woven cloth but a delightful web of thread strongly tied in place, that continues to look like new after years of wear and many washings.

Look at the illustrations on this page. These are some of a myriad of meshes Quaker offers for choice of exactly the net to suit your room. Notice the variety presented! Large, heavy-thread net for the masculine room; dainty, fine-thread webs for feminine rooms; restrained meshes for formal rooms. And all, because of mesh construction, hang in graceful folds.

Insure the durable loveliness of your windows by selecting Quaker curtainings.

This Book Will Help You With Your Windows.

Invest One Dollar in Quaker Stockings

There is no better silk stocking than the Quaker Genuine Crepe. You will want to try it. So, if your favorite store does not carry Quaker send $1.00 for a pair in the latest suntan shade. Specify your size, please. Quaker Hosiery Co., 330 Fifth Ave., N.Y.
Macy's "American Ancestor" Mahogany

Reminds you that your forbears were sophisticated

The recent widespread vogue for the Georgian import, and for primitive American "farmstead" furniture has somewhat obscured the fact that many of our American great-greats were urbane folk who built glorious and gracious houses, developed a high, distinct civilization of rich and hospitable warmth... Now Macy's has re-created their era (1780-1860) in a brilliant and beautiful collection of more than 100 pieces, copied minutely from distinguished originals in fine mahogany... shows them in a fascinating new "house" in Macy's ninth floor... calls them (with merit) "American Ancestor" Mahogany... The pieces are designed to enrich the lives of substantial sophisticates, but they cost no king's ransom...Please come soon...

Above—a graceful Sheraton sofa in the stair-hall of "Ancestor House."

At the Left—a corner of the drawing-room.

The staircase above is an original...lifted by its roots from an old "York State" house and brought to Macy's.
Bromley Lace Curtains
chosen for the "IDEAL HOUSE"
by the Editors of House & Garden

A distinctive window treatment with Bromley Lace Curtains, photographed by B. Altman & Co., Fifth Ave., New York

BEAUTIFULLY designed lace net curtains that afford you the opportunity to express long-cherished ideas of charm and individuality. The style and quality of Bromley curtains have received the endorsement of House and Garden's editors who selected them for use in the "Ideal House." Curtains to fit your exact purpose, adaptable to any decorative scheme, from periods to modern, can be found in the extensive Bromley line carried by leading department stores in your city.

BROMLEY MANUFACTURING COMPANY
New York • Philadelphia • Chicago

CURTAINS BY.. Bromley
A trip through a
LIGHT CONDITIONED
Home

Shows How "Light Conditioning"
Protects Eyesight . . . Adds Beauty

Better Light for Better Living. Mr. and Mrs. Hamilton enjoy the new charm, beauty, and sight-saving lighting added to their living room by "Light Conditioning" it with I. E. S. Better Sight Lamps. Smooth, glareless lighting from these lamps not only flatters textures and colors in rugs and draperies...but guards eyes against the dangers of eyestrain, nervousness and fatigue so often caused by poor lighting.

Jane and Mother enjoy their sewing more... thanks to the new I. E. S. end table lamps. Smart and new, these lamps make each end of the davenport a safe place to do close seeing tasks or to thoroughly enjoy a good book. I. E. S. Better Sight Lamps are made in many models. The wide variety of styles offer the widest choice for those planning to decorate a new home or modernize the present home.

Ross Stewart (below) noted authority on interior decoration, says:
"There is no need to sacrifice lighting beauty in order to get scientific eyesight protection. Many of the new I. E. S. Better Sight Lamps I have seen are as much a product of the artist as they are of the seeing specialist. It is gratifying to see decorative art and science working so closely together."

Grandfather Lights Up the favorite pipe and an I. E. S. Better Sight Lamp for real "after dinner comfort." "Slippers for the eyes" is the way many of the older folk refer to the soft, abundant light they get from these beautiful lamps.

People everywhere now buy lamps only after seeing the I. E. S. Better Sight Lamp Tag on their prospective purchases and witnessing a "Seeing is Believing" demonstration. The tag shown below appears only on genuine I. E. S. Better Sight Lamps. It certifies that the lamp meets 54 specifications for sound construction, electrical safety, and sight-saving lighting.

I. E. S. BETTER SIGHT LAMP MAKERS, 2116 Keith Bldg., Cleveland, O.

Gentlemen:
Send me your booklet "Light Condition Your Home."

Name

Address

City State

TRADE MARK
Now Leasing to Acceptable Tenants for Immediate Occupancy

HUDSON HOUSE

Westchester's most modern and exclusive fireproof residential building, in the secluded atmosphere of a country estate, with the convenience of a mid-Manhattan address. Begin a year-round vacation now in the comforts of its carefully planned suites with the inspiration of its superb location. Magnificent views of the Hudson—cross-ventilation—children's playgrounds—sports club across the road—in restricted Ardsley Park—stately old shade trees—a covered way from house to train—38 minutes to Grand Central. These and many other features make Hudson House the most outstanding suburban residential opportunity of the year.

TWO TO SIX ROOMS, ONE TO THREE BATHS

Managing Agent

WILLIAM B. MAY
COMPANY
STATE, INC.
No. 12 East 52nd Street • New York • Telephone—PLaza 5-0900

A one room apartment or a lavish suite... each a masterpiece of creative originality. Many are styled in authentic period motifs.

Hotel Pierre

FIFTH AVENUE AT 51st STREET, NEW YORK

EDWARD M. CRANDALL
PRESIDENT

Are you looking for a house?

If you're looking for the perfect house—in the perfect location—let House & Garden help you. We can recommend to you as dependable any of the brokers listed in our Real Estate Directory. They may have the very property you want. If the locality you're interested in isn't listed, write direct to our Real Estate Information Service. We know the best brokers in every part of the country, and we'll be glad to put you in touch with one who will give you excellent cooperation, at no cost to you.

HOUSE & GARDEN'S INFORMATION SERVICE
420 Lexington Ave., N. Y. C.
ly to the dining room which overlooks lovely planting in the rear of the building.

Kitchens in the larger apartments are spacious and light, and scientifically planned with modern paraphernalia. Two-room layouts have adequate kitchens and clothes hamper service is always included. As to the bathrooms, each bath has a built-in clothes hamper, just to give you a detailed idea of things.

Incidental and general aspects of this modern garden of Eden are a fully equipped laundry in the basement, maid and valet service, playrooms in the basement for both grown-ups and children, as well as an additional playground for children outdoors. Extra guest rooms are available; elevators are self-service of the newest type. Some what below the formal garden which graces the front of the building, and which has its own special apartments and flagstone terraces leading to it, is a specially built garage built to hold 150 cars (made possible because of the hillside location). On the main floor the dining room comfortably seats 75 people, and has the generally beautiful view afforded to the apartments. And, oh yes, there is a penthouse terrace for general use.

One of the trump cards of the Hudson House management is the direct route to the station at the riverside via elevator and covered tunnel. Rain cannot hamper you, and the passage is fleet. The city is practically at your doorstep. 45 trains from New York and 28 into the city make transportation mere child's play. In case you don't know the exact location of Ardsley, it is situated half way between Irvington and Dobbs Ferry, and it can be reached by auto through various new

FOR YEARLY OR SEASONAL LEASE

WE HAVE JUST COMPLETED AN ADDITIONAL NUMBER OF OUR FAMOUS RE-CREATED "SUITES OF BEAUTY". NO TWO ARE ALIKE, EACH IS AN EXCLUSIVE AND INDIVIDUAL HOME, COMBINING SPACIOUSNESS WITH LUXURIOUS NEW APPOINTMENTS, SKILFULLY BLENDED BY WORLD-FAamous DECORATORS. TWO TO SIX ROOMS, SOME WITH TERRACE AND BUTLERS PANTRY.

HOTEL AMBASSADOR

FOR YEARLY OR SEASONAL LEASE

WE HAVE JUST COMPLETED AN ADDITIONAL NUMBER OF OUR FAMOUS RE-CREATED "SUITES OF BEAUTY". NO TWO ARE ALIKE, EACH IS AN EXCLUSIVE AND INDIVIDUAL HOME, COMBINING SPACIOUSNESS WITH LUXURIOUS NEW APPOINTMENTS, SKILFULLY BLENDED BY WORLD-FAMOUS DECORATORS. TWO TO SIX ROOMS, SOME WITH TERRACE AND BUTLERS PANTRY.

HOTEL AMBASSADOR

PARK AVENUE • 51st to 52nd STS • NEW YORK

HOTEL NEW WESTON

50TH STREET AT MADISON AVENUE

NEW YORK CITY

YEAR- AFTER-YEAR GUESTS ATTEND TO THE COMFORT OF NEW WESTON RESIDENCE, ITS CONVENIENT LOCATION, ITS ATMOSPHERE, ITS APPOINTMENTS, ITS JUSTLY FAMOUS CUISINE. MODERATE RENTALS INCLUDE HOTEL SERVICE.

CHARLES J. McCALLEY
MANAGER

SPRING 7-1200

FIFTH AVENUE
AT EIGHTH STREET

THE MOST DISTINGUISHED ADDRESS IN AMERICA
Among the many period masterpieces in The Towers is such a home as you yourself would build. We have simply used our money instead of yours to build it. And by giving you the choice of many periods, you are free to consult your own tastes and are not dependent on ours. No sense of limitation in selecting your home and no responsibility for its care... that, in brief, tells the story of life in The Towers. Apartments by the day, month or year. 50th Street, just off Park Avenue, New York.

Exquisite architectural details distinguish every Towers apartment...

...plentiful closet room and wood-turning fireplaces... 

...a grand luncheon place decorated in a Chinese fashion, is air-cooled; and a grand luncheon place for Summer visitors. All in all, if you don't want to feel out of range of the business and entertaining sections of the city, yet wish to steer clear of too much rush and friction, the Mayfair is your happy medium. Edward H. Crandall, Managing Director.

315 EAST 68th STREET

"Built Around a Garden"

A charming roof garden... wood-burning fireplaces... sunny, well-planned rooms... plentiful closet room and all modern conveniences make this new building a favorite in the fashionable East Sixties.

1-2-3-4 ROOMS

A General Realty Building

J. H. TAYLOR MANAGEMENT Corporation

51 Union Square Aztec 4-4210
NEW Alexander Smith
TRU-TONE CARPETS

"Nearly Right" Won't Do in Carpet Colors

If you are the least bit particular about color, a safe rule in buying broadloom carpet is to go to a good store and ask to see Alexander Smith Broadlooms. These are TRU-TONE colors, with just that subtle difference in shade that style authenticity demands. Look for the gold label with the Good Housekeeping Guarantee. For free Tru-Tone Carpet Book, write Alexander Smith Division, W. & J. Sloane Wholesale, 287 Fifth Avenue, New York, N. Y.
The Group of the Century...

AND THEY'RE ALL SANVALE FABRICS...

This room, a livable combination of contemporary and period pieces, utilizes Sanvale Fabrics exclusively ...to ensure its complete harmony of color, texture and design!

There is strong kinship between the 300-odd Sanvale weaves. All have the same high qualities of beauty of design and color, durability and satisfaction in use. Selecting for your needs in Sanvale is a pleasant task, not a hopeless scramble to match swatches!

Ranging from sheer casement cloths to staunch upholsteries, running through printed or embroidered draperies and bedspreads ... these Sanvale weaves are truly the decorator's delight to work with. And yours... if you do your own choosing! Why not write to L. C. Chase & Co., for more information, and the name of a nearby firm that handles them?

Sanvale Fabrics by Goodall

(KNOWN BY DECORATORS FOR YEARS AS GOODALL FABRICS)

L. C. CHASE & CO., Inc., 295 Fifth Ave., at 31st St., N. Y. C., Selling Division of Goodall-Sanford Industries
Are they getting what YOU pay for?

Millions of dollars are being spent for education. Are American parents and taxpayers getting what they pay for? Are your children getting the husks of learning or wholesome character-building education? Have the schools become the prey of spoils politics? These are among the vital questions being answered by The Christian Science Monitor this fall in a striking series of articles based on firsthand investigations.

SAVING OUR SCHOOLS
52 Articles - Oct. 4 - Dec. 3

The series covers four broad phases:

(1) Teachers and Teaching: Salary conditions, economic security, social position, women's opportunities, union organization, parents' organizations.

(2) Cost Control and Politics: Federal control, government aid versus local support, rural districts and backward sections.

(3) Democracy and Citizenship: Are the schools teaching independent thinking and intelligent responsibility? What are they doing for the foreign-born and other minorities?

(4) A Look Ahead: The Junior College movement, the necessity for liberal arts, President Hutchins' plan for general education, effect of the motion picture and the radio and its possibilities.

A special introductory offer brings you this series at the reduced price of $1—every edition of the Monitor during the two-months period, including the Weekly Magazine Section on Wednesdays.

The Curtain's Going Up On...

FASHIONS
OF 1938

That thrilling drama—The New Mode—is about to begin. It's in two acts... Vogue's Paris Fashions issues, out September 1st and 15th. These two numbers of Vogue will be as glamorous and colorful and exciting as the Paris Openings themselves... and they'll be far more valuable as a guide for Autumn shoppers.

With Vogue as your mentor, you'll see the models that are slated for a fashion future... learn the important lines and colors and fabrics... and preview a portfolio of Vogue-chosen clothes which you'll find in local shops immediately.

In short, you'll steal such a march on the Autumn fashions as only Vogue's swift and brilliant reporting can secure. If you are not a subscriber, reserve your copies of these two Vogue issues with your favorite news-dealer now.

VOGUE has 2 PARIS FASHIONS issues
September 1st • September 15th
BARRINGTON
In the BERKSHIRE HILLS
Preparation for all colleges.
Special plan for students of music and other arts.
Expert coaching in sports.
Skiing, riding, tennis, swimming, golf.
Ninety acres, stone buildings.
Affiliated lower schools.
Ellen Hill, Director
Great Barrington, Massachusetts

HOUSE IN THE PINES
A Country Boarding and Day School
College Preparatory and General Courses. Jr. College courses with
study of art, secretarial, household arts, music, art and music, home
making, physical science, home economics, art, sports.
Massachusetts State College Lieu.
Catherine E. Carnell, 90 Pine St., Newton, Mass.

LASELL JUNIOR COLLEGE
For girls. Junior College. Preparatory, College Preparatory and General courses.
College Preparatory House, Boston, Mass., M. A. H. Goff, Principal.

THE DANA HALL SCHOOLS
Tufts for young girls through their first year.
Dana Hall—College Preparatory and General Courses.
Dana Hall—Junior College Courses.
Mrs. T. Darrington Semple, Principal.

GARDNER SCHOOL
A College preparatory and general academic course school for girls.
For girls. Accredited, Elementary, College Preparatory, General Courses.
Mrs. Robert C. Greene, Principal.

DREW SEMINARY
For girls. Accredited college preparatory, general and college preparatory courses.
Mathematics, English, Latin, Greek, Geography, Social Studies, Science.
Music, Art, Home Making, French, German, Spanish.
Dr. E. Wright, Pres., Box A, Carnell, N. Y.

Briarcliff Junior College
Briarcliff Junior College, N. Y. Two years of accredited college
work. Art, Music, English, French, Latin, Greek, Social Studies, Science,
Drama, Commerce.
Dr. H. E. Wright, Pres., Box A, Carmel, N. Y.

EDGEEWOOD PARK
Briarcliff Park, N. Y.
College preparatory, advanced courses in liberal and fine arts,
scientific subjects, music, art, home economics, business. All girls.
Sports, swimming, pool. Registrar, Box B.

ST. JOHN BAPTIST SCHOOL
For Girls.
A Catholic Boarding and Day School.
Under the care of the Sisters of St. John Baptist.
College Preparatory, General and Art Courses.

FAIRFAX HALL
I. R. W. Fairfax Hall, Middletown, N. Y.
College Preparatory, General, Art Courses. S. S. M. H., Principal.
Fine Arts, all sports. In famous Thousand Valley.
Bicycling, horseback riding, skating, tennis, swimming, indoor and outdoor games.

Warrenton Country School
Near Warrenton, Virginia.
College preparatory courses and courses for college preparatory students.
Sister of Charity, Principal.

ASHLEY HALL
Accredited college preparatory and general courses.
College in the Country, 3 acres.
Physical education, home economics, art, sports, riding, tennis.
Mrs. Letitia W. Ballinger, Principal.

SCHOOLS

Planned Curriculum

By now nearly every parent has settled upon the school for his daughter, and the problem of the present is probably that eternally feminine question—clothes. Naturally the young hope can’t be packed off just in a sweater and skirt, but both parents and the child in their enthusiasm may have overlooked the all-important factor, curriculum.

Two pitfalls may endanger the curriculum selected solely by the child. She may indulge her likes and dislikes at the expense of more valuable subjects, or she may quite innocently select a course of study utterly incompatible with her own nature. It is likewise hazardous for parents to dictate the subjects for their child. A subject forced upon a child may develop into a task to be done without interest or enthusiasm.

Before school opens there should be a discussion of courses between the parents and child, and if possible, a faculty consultant. The interests of the child should be encouraged, yet tempered by parental common sense, academic experience, and a thought for the future. Academic success often depends on a course of study that is compatible with the interests and personality of the child herself.

GIRLS’ SCHOOLS

FAIRHILL COLLEGE

Emphasizes Preparation for College and Gracious Living.
Music, Art, Expression, Upper and Lower Schools.
Graduate Course in Secretarial Science.
Joyous outdoor recreation among beautiful Maine hills. Riding.

Mr. and Mrs. Robert Owen, Box 124, Vasavolta, Maine

MONTICELLO COLLEGE

Accredited Junior College with preparatory school.
Bound liberal academic and vocational training.
Music, art, the dance, riding, distinguished faculty, 150
years old, 60 acres near St. Louis. (Dr. J. Patterson, Principals.

KEMPER HALL

Episcopal Boarding and Day School. Preparatory to all colleges.
Casual opportunities in Art and Music.

Countryside College.

GIRLS’ COLLEGIATE SCHOOL

OF CLAREMONT

College preparatory and general courses. Board and
Senior High School. Beautiful outdoor life in lovely
hills near Pomona, California.

These Schools Will Give Special Consideration to Letters from Readers Who Mention House & Garden’s Name.
**BOYS' SCHOOLS**

**RIVERDALE COUNTRY SCHOOL**

A college preparatory boarding school for boys, distinguished for the successful combination of country life with wide use of the educational facilities of New York. Music and Art especially featured. Individual interests fostered. Diversified sports and constructive student activities. One of the highest sustained school records before the College Entrance Board. 31st yr. Catalog.

Frank S. Hackett, Headmaster—Riverdale-on-Hudson, New York

---

**THE KIMMAY SCHOOL**

All elementary and secondary school subjects. Special emphasis on science and languages. fluffy subjects. Famous for academic excellence and for the high achievement of its graduates. 32nd yr. Catalog.

M. H. Halflinns, Box Fl, Wytheboro, Va.

---

**Fishburne**


---

**Southern Military Institute**

Blackstone, Virginia

High School and Junior College, Aviation, Radio and Commercial Courses, Preparation West Point, Annapolis, Universities. Catalog.

---

**STAUNTON MILITARY ACADEMY**

High ranking military college, box 9, Fork Union, Va.

---

**EMERSON SCHOOL FOR BOYS**

In preparation, 30 miles from Boston.

Edward E. Emerson, A.B., Box 91, Beacon, N. Y.

---

**Worcester Academy**

A Nationally-Known, Accredited Preparatory School for Boys, with a high record of academic achievement and athletic success. 100th yr. Catalog.

Planning COLEGE?

“Your First Steps” to College.

Edward E. Emerson, A.B., Box 91, Beacon, N. Y.

---

**FOUR MONTHS PRACTICAL TRAINING COURSE**

Fall Term Commences October 4th

Intensive training in the selection and harmonious arrangement of period and modern furniture, color schemes, draperies, wall treatments, etc. Faculty composed of leading New York decorators, Cultural or Professional Courses. Also two-year course in Design, Day or Evening Sessions. Send for Catalog 1-R.

BOSTON SCHOOL OF INTERIOR DECORATION

School of Design for Women


---

**HOUSE & GARDEN'S SCHOOL BUREAU**

1930 Graybar Bldg., New York City: Tel. MOhawk 4-7500

---

**SCHOOL ADVICE**

You have a daughter going away to school next autumn, and there is a young son who will be ready for prep school in two years. What will you do about making the best possible choice for them? And did you know that there are schools which will give even your youngest the closest supervision and happy companionship he needs? Or, perhaps you are trying to make plans for a course of training for yourself—a lecture course in interior decoration, classes in costume design. You should begin your investigation now.

HOUSE & GARDEN’S School Bureau was established 15 years ago for the sole purpose of serving parents, pupils, and efficiently. Members of its college-trained staff will be glad to consult with you—and you know, of course, that this service is gratis. It would be most satisfactory if you could come in and see us. But if distance or circumstance makes that impossible, the coupon below will enable you to send us the necessary information. Your inquiry will receive prompt attention.

---

**BOYS' SCHOOLS**

**NEW YORK SCHOOL OF INTERIOR DECORATION**

515 Madison Avenue

Established 1916

New York City
F A B R I C
FOR
M O D E R N
I N T E R I O R S

An original floral design on screen blocked linen makes this new fabric charming for draperies or upholstery. Blue, red, or tan on a natural background.

50" wide. $4.25 per yard. An exclusive pattern.

RENA ROSENTHAL
455 Madison Ave., New York (at 52 St.)

F i r e d o g s
o f
the
H e a r t h

Artichoke Plates
$5 half doz.
Gleaming white pottery dishes that provide a glamorous setting for the delicate artichoke and simplify its enjoyment as well. The center depression holds the artichoke itself. There is a well for the sauce and the hollow rim holds the discarded leaves. A very smart gift. Shipped express collect.

L A M B E R T B R O T H E R S
Jewelers
Lex. Ave. at 60th St., N. Y.

A U T H E N T I C — a one-word summary of Biggs Colonial Reproductions!

H ere in the heart of Colonial America, Biggs Master Craftsman men have been making faithful copies of genuine antiques for nearly fifty years. Today you will find them in over 30,000 homes both here and abroad. Write for free catalogue No. 197.

Sheraton Bed illustrated is from about 1775. Select Mahogany; credited stern at the broken arch head board and on each of the 5" oiled posts. Single or double size. $74.25

B I G G S
A N T I Q U E C O.
316 East Franklin Street at Richmond—in old Virginia

W A N T to buy a duck? Or two or three? These are very fetching ones, made of fine imported china, and worthy of considerable attention. The double duck costs $30.00, the single $12.00. Use them as table decorations or mantel accents. Naturally colored on white bases. Wm. H. Plummer & Co., 7 East 35th Street, New York

T he best ace in your card deck is a good table cover. This one, for instance, of suede cloth, decorated solely with your monogram, is durable and easy to clean. Has elastic straps. Cloth and contrasting piping in any of the two following: black, cham- ois, brown, green, red, blue. $3.95. Comes from Sara Hadley, 11 East 54th Street, New York

R efreshingly crisp are these unusual glass bookends. And although the distinctive glass motif makes them perfect for modern arrangements, the fan pattern makes them suitable for either Victorian or earlier periods. 6" high, and heavy enough for a small group of books. $25.00 a pair. Olivette Falls, 511 Madison Avenue, New York

E nough to inspire a complete new bathroom decorative scheme are these new bath towels. Colored in a lovely shade of light blue, the towels have a newly designed monogram in a deep cerise. Bath towels are $35.00 the dozen, hand towels $17.50 dozen, and wash cloths cost $6.75 a dozen. McGibbon & Co., 49 East 57th Street, New York
If you are interested in any of the things shown on these pages, kindly send your checks or money orders directly to the shops. In each case, for your convenience, the address is listed in full.

Even waste papers assume an attractive air when housed in such good-looking receptacles. Both basket and silent butter are hand-painted in a typical Chippendale design; smartly carried out in gold and red on a black ground. Washable and sell for the satisfactory price of $1.25 apiece. Dennison's, 411 Fifth Avenue, New York.

For the benefit of Sunday night buffet addicts is this onion soup or baked bean rack. Besides the natural colored earthen pots, you can also get different jugs for coconuts. Pots as shown for 6 are $23.75 the set. For eight, $29.50. The rack is silver plated. From Hammacher Schlemmer. 145 East 57th Street, New York.

Pretty soft, if you can keep all your precious gloves and trinkets in these beautifully quilted boxes. The long one holds gloves and costs $6.00. The large square one, about 6 inches square, holds odds and ends. $6.50. Smaller square one for jewelry. $3.50. Satin quilted and lined. In pastel shades. Eleanor Beard, 446 Park Avenue, New York.

There are at least three good points about this relish dish: firstly, it's attractively made of porcelain and brightly colored in cheerful greens and berry red on white. Secondly, it is a perfect receptacle for sliced tomatoes, cucumbers, aspic, canapes, etc. Lastly, it costs but $7.50. Silver server $13.00. Georg Jensen. 667 Fifth Avenue, N. Y.

PATRICK HENRY KNEEHOLE DESK

Depth 20"—Length 36"—Height 30"

Copied from the original even to the handmade brasses, this piece may be found in Henry Ford's replica of Patrick Henry's Virginia mansion at Dearborn.—$169.50

Delivery charges prepaid east of the Mississippi for cash with order.

Send for our booklet.

THE VIRGINIA CRAFTSMAN INC.

224 EAST 46TH ST.
NEW YORK, NEW YORK

We guarantee our furniture reproductions against future depreciation in value.

English Bone China

GIVE A Chowder Party

and give it new tang, serve it in fascinating shells from the broad Pacific Ocean. Beautiful abalone shells, iridescent with rainbow colors, for chowder or clamming, bread and butter and salad. Tiger cowry and window shells for place cards. Nautilus shells for a merry new kind of wine cup. Other pearl trophies for this and that. Chowder Shell 75c, Salad Shell 50c, Wine Cup 81, Place Card 35.

Write to The Emporium, San Francisco, for illustrated price list and recipes.

LOUISE TIFFANY TAYLOR Ltd.

Interior Decorating

758 MADISON AVENUE • NEW YORK
SEPIA FRUIT
A soft brown fruit design on ivory ground—new and unusual—complete dinner ware service in open stock—reasonably priced.

Carbone
342 Boylston Street
Boston, Mass.

DISTINCTIVE GLASSWARE
An all crystal shaker that pours and strains easily, can even have the top removed easily—in fact it's the easiest thing to operate. Price $4.00 including monogram.

Glasses have a sturdy base formed by a small bulging extra band of crystal. Easy to hold. Highball 13 oz., Old Fashioned 7½ oz., Footed Cocktail 4 oz. Price $5.50 per dozen, including monogram.

Express Charges Collect
Write for Catalogue "G"

"ROSEMONT"
Hooked Rugs

★ THE most beautiful of the old Colonial designs. Hand-died with the old-time hand hooks. Historic designs, reproductions of Metropolitan Museum rugs. Also HAND-TIED CANOPIES. "Lover's Knot" and other Colonial.comforlites.

Write for free booklet giving the histories of old designs.
LAURA H. G. COPENHAVEN
"ROSEMONT" MARION, VIRGINIA

According to statistics, the majority of household accidents occur from bath tub slipping. But this Bath-Grip prevents just such calamities, fits in tub or shower, and cannot skid. 14 x 28 inches. White, green, blue or orchid. $1.50 each. Charles B. Brinkworth, 592 East First St., Boston, Mass. Prophy-lactic accessories: Lord & Taylor

If you like to turn the tables— you may change this useful dressing table into a compact little occasional table by folding in the sides and mirror. When open, it discloses a center compartment filled with all sorts of useful caddy holes. In any color, and costs, including the bench, $35.00. From Hale Bedding, 420 Madison Avenue, New York

A country seat, informal style. The maple frame of this Hitchcock chair is painted black, and decorated with a colorful hand-painted fruit design. Copied from an original found in the valley of Virginia. Rush seat, $24.75. Matching side chair $20.25 F.O.B. Virginia Arts and Crafts, 207 East Franklin Street, Richmond, Virginia

The more the merrier, especially in the case of champagne and wines. So here is a double wine cooler which holds two quart bottles, taking care of each very satisfactorily. It stands 10 inches high by 8½ wide, and is silver plated. Priced at $16.50. May be obtained from Abercrombie & Fitch, at Madison Avenue and 45th Street, New York

Steeping daily into the picture these cocktail napkins are the last word in colorful cocktail accessories. The rider, dogs and scenery come in vivid colors on grounds of green, blue, ecru, white or gold, and cost $6.75 the dozen. They are made of linen. You can have a boy or a girl hobby horse rider. Leron, Inc., 745 Fifth Avenue, New York
A LUSTRE after dinner coffee set that will certainly enliven your table. This lovely earthenware set of pink has deeper pink and maroon and lustre to carry out a pattern, a reproduction of the old schoolhouse design. Set includes 6 cups and saucers, creamer, sugar bowl and coffee pot for $12.00. F. Pavel & Co., 19 West 24th Street, New York.

NOTHING like a touch of antiquity to enliven your present day nooks and crannies. For instance, a little wooden glass or pot holder copied from an antique cruét stand, Holds 4 small glasses for flowers, or 4 plant pots of about a 3-inch height. Charming as a table centerpiece, $6.50, from Alice Marks, 8 East 52nd Street, New York.

TABLE talk is worth while when it includes this lovely piece. Fashioned of satinwood and mahogany, it is exquisitely made and inlaid in American Sheraton style. 25 inches high with a top 16 inches across. Priced at $26.00, from the Daneski Craftsmen at Stamford, Connecticut. An excellent and generally useful wedding gift.

SALAD practicality. Simply but sturdily built is this oil and vinegar combination, so constructed that even salad-mixing males will find it thoroughly satisfactory. The crackled glass is colored in a soft sea green, and comes from Sweden. $6.00 pair, Bar Department, Saks Fifth Avenue, Fifth Avenue and 50th Street, New York.

If you like inspiration with your liquid refreshments, try this Mexican example. On the individual tin tray fits the tin cup, into which goes a glass liner (not shown). The lacquered gourd bug on the opposite end may be affixed to hors-d'oeuvres. Bugs vary in species, $2.00 complete per tray, The Old Mexico Shop, Santa Fe, N. M.

**Beautiful and Useful**

Exquisite hand blown Venetian glass cigarette holders—crystal and opaque white—10½ inches high—$30.00 pair.

Write for new booklet

*"The Romance of Venetian Glass"*

Carbone

342 Boylston St.
Boston, Mass.

**Garden Ornaments**

Marbles, Bronzes, Leads and Fine Pottery

This Pompeian Stone fruit basket gives the necessary finishing touch to the top of a garden wall, pool or other location needing a bit of decoration; 11 inches high; $4.50 each; 12 pieces in stock with 4 handles, $56. We have used our new studios to make more space and plenty of room for business around. A choice collection—ranging in price from 35¢ up. In Marble, Terra Cotta, Bronze, Leads. Pottery shown. Catalog for no charge.

Erkins Studios

New Address
123 East 24th St., New York

**The DIGNITY and CHARM of an English Mantel**

Simple, yet beautiful in design, the English Mantel adds a distinctive note to a room. As a portable unit it permits placement to the fullest advantage of wall area, and becomes a background of quiet beauty for an interesting grouping of appointments. Among our stock of fine English Mantels are many designs and choices of marble. They are also adaptable as wood-burning fireplaces. Prices from $150.00.

Wm. H. Jackson Company

*"Everything for the Fireplace"*

16 East 52nd Street
New York

Established 1827
We All Have Pictures

loose around the house, but no time to paste them into bulky albums. The new FOTO-TAINER is the approved method to make a fine collection in a short time.

Loose-leaf, Pockets sewn

SENT ON FIVE DAYS' APPROVAL.

Each pocket holds easily 10-15 prints
up to 4 x 6
Small Library Side-in book
No. of Pockets
12
24
40 to start
Ins.
82.00
82.75
84.00
Gen. Leather
2.75
2.75
6.00
Ant. Cowhide
3.50
3.50
7.50
Morocco
4.00
7.50
10.00
Ant. cowhide and morocco lined in silk
Complete catalogue on request
If money is sent with order, initials or name stamped in gold FREE.

MEVI, 228 E. 45 St., New York, Dept. G

BELL & FLETCHER, LTD.

INTERIOR DECORATORS

CONSULTANT SERVICE

654 Madison Ave. 77 Newbury St.
NEW YORK BOSTON
Report 4-5679 Kenmore 6084

THE NEW KELLOGG CATALOGUE

A full list of original and importing "Phak" All is pictured and described for you. All the prices are moderate. Each article is attractively wrapped and comes to you postage paid with a guarantee of your complete satisfaction.

22 MILLION ST.

FOTO-TAINER

CANEWOOD FARM

HAMS

SUGAR CURED

HICKORY SMOKED

THOROUGHLY AGED

Cured on our farm these hams of the Old South are a rare delicacy.

10 to 18 lbs. 55c per lb., postage extra
Cooked hams furnished on special order.
Safe delivery guaranteed.

CROSBY BROTHERS

Canewood Farm, Box 15, P.O. Spring St., Ky.

Hand Wrought Iron

Made by hand. In black or Swedish gray finish. Excellent values.

FIRESCREEN—riveted and welded together 1/4" thick iron. Center panel is 28" wide, 33" high. End panels are each 14" wide, 36" high. Frame is 1/2" wide...
$10.00
ANDIRONS—heavy bull top, 3" square column. 19" high, pair 10.00
FIRESEIT—to match, 18" high...
8.00
Shipping Charges Collect
Send for new catalogue on fireplace equipment and Sheffield reproductions.

TUTTMAN'S

103 ALLEN STREET, N. Y. C.

CHIPPENDALE CHEST OF DRAWERS

(Peck about 1730)

SOLID MAHOGANY with shaped bracket feet.
BRASS HANDLES. Size: 46 in. high, 40 in. wide; 22 in. deep. Can also be furnished in Solid Maple at the same price.

SPECIAL PRICE $72.00

F.O.B. Richmond, Va.

Our New Catalog of Colonial Re-Creations of Authentic Virginia Antiques will be sent upon receipt of 10c in stamps or coins.

VIRGINIA ARTS & CRAFTS

"Re-Creators of the Old Virginia Furniture"

207 E. Franklin St.

Richmond, Virginia

Keps your cocktails cold to the last trickle. A combination cocktail shaker and martini mixer lined with a glass thermos. Drinks stay cold and fresh for serving long after mixing—hence it is especially good for martins. Holds 26 ounces, stands 11 1/2 inches high. Of chromium, costs $7.50. Scully and Scully, Inc., 506 Park Avenue, N. Y.

A new kind of century plant—one that will bloom indefinitely and needs no watering. These handmade Italian pottery flowers and their holders come in a multitude of gay colors, and will do wonders toward enlivening any dullish place in the house. 17 inches high, specially priced, $9.50 each. Reiss, 613 Lexington Avenue, New York.

Bringing home the bacon is often a simple matter in comparison to cooking it. Here is a solution: a new "Saratoga" grill, designed to keep the bacon crisp, flat and dry; and fashioned to eliminate wiping and turning. Of cast aluminum with chromed steel cover and Bakelite handles, $39.95. Lewis and Conner, Sixth Avenue, 45th Street, N. Y.

You must think about this table as well as look at it—for it's a small coffee table measuring but 14" by 20" closed, 26 1/2" by 20" open, and 20 inches high. In Duncan Phyfe style, with a top of figured mahogany or walnut, and a base of solid mahogany or walnut. $15.00. Georgian Furniture Company, 237 Main Street, Cambridge, Mass.
WHAT’S SAUCE FOR THE GOOSE IS APT TO BE EXCEPTIONALLY GOOD WHEN SERVED IN THIS “SAUCY BOAT.” IT’S VERY GOOD WITH DRESSINGS, TOO. THIS SET OF STERLING SILVER WITH A HANDLE OF DARK MALLOWS ANY COMES IN TWO PIECES, THE SAUCE BOAT AND A SEPARATE PLATE UNDERNEATH IT. COMPLETE, $14.50, LAMBERT BROS., LEXINGTON AVENUE AT 66TH STREET, NEW YORK.

FRUITS OF THE UTMOST RESEARCH. THESE ARE ASHTRAYS TO PLEASE THE MOST FASHIONABLE, ASHTRAYS TO MAKE EXCELLENT BRIDGE PRIZES OR INCIDENTAL GIFTS, TO USE IN YOUR LIVING ROOM OR IN A GUEST ROOM. HAND-PAINTED ON FRENCH PORCELAIN, GREEN GRAPES, DARK GRAPES, CHERRIES OR PLUMS, $2.50 A PIECE AT ALFRED ORLIK, INC., 95 MADISON AVENUE, NEW YORK.

THE VERSATILE OTTOMAN: IN THE LIVING ROOM HAVE IT COVERED IN CHENILLE ($27.50 AS SHOWN); FOR THE BEDROOM UPHOLSTER IT IN A GAY CHINTZ; OR USE IT IN THE BATH COVERED IN TOWELLING. HAIR AND COTTON INNER FILLING OVER SPRINGS AND A WALNUT OR LACQUER FINISH BASE, $22.50 IN MUSLIN. ROMER MODERN FURNITURE, 10 EAST 38TH STREET, NEW YORK.

ASHTRAY INDIVIDUALISM. COMBINATION ASHTRAY-ETHEL JET PLACE CARD TO BE USED AT DINNER OR BRIDGE PARTIES. THEY MAY BE INDIVIDUALLY MONOGRAMMED AND USED FOR MEMENTOS. OR THEY MAY HAVE A FROSTED SPACE IN WHICH TO WRITE TEMPORARY USER’S NAME, $7.75 A DOZEN. CLOVER LEAF CRYSTAL SHOPS, 58 EAST MONTROSE STREET, CHICAGO, ILL.

LENOX CHINA

HERE IS CHINA BOUND TO BRING NEW GRACE TO GRACIOUS HOMES. ENCHANTING NEW PATTERNS CREATED BY THAT MASTER OF CERAMIC ART...LENOX.

OVINGTON’S

FIFTH AVENUE AT 39TH STREET • NEW YORK
So obviously HIS and HERs: thirsty towels of chevron patterned terry (a Sutton exclusive). For $12.50, seven spongy pieces—2 oversized after-bath rub-dubbers, 2 face towels, 2 wash cloths, a bath mat. Aqua, blue, peach, maize, sand, white, with contrasted or harmonized monogram ("his" and "hers" or exclusive initials). Order by mail, if you desire.

EXQUISITE LINENS
717 FIFTH AVENUE NEAR 50th ST.
425 MADISON AVENUE AT 49th ST.
NEW YORK CITY

Dye to please you with enthusiasm—this modern andiron set. Andirons 15 inches high have a chrome finish and crystal ball tops which match the fireplace and go with the 42" chrome fender. Entire set costs $25.00, or $9.00 each for the andirons, fender, or fender. Tuttman’s Brass Town Gift Shop, 303 Allen Street, New York

Needlecrafters impatient with the intricate workings of needlepoint should rejoice in this Featherstitch tapistry. Patterns are worked on Duro net with Art-Craft Crewel Wool Yarns. Stood materials, except stool, $2.10. Table mat, 15" x 20", $3.75. Folder available. Art-Craft Industries, 66 Church Street, Cambridge, Mass.
CRYSTAL FIXTURES

by

BUTLER-KOHAUS

Rich in the beauty of graceful creation . . . exclusive designs, refreshingly different.

For Georgian and Colonial Rooms

(Above) 3-light, candlewick glass bel Lite and cut glass urn—cut crystal prisms and bead chains. Butler's silver finish $23.75.

(Inset) 3-light bracket harmonizing with fixture. Each $8.25.

(Right) 4-light Colonial fixture. Clear cut urn, frosted cut shades. Polished brass finish $14.95.

BUTLER-KOHAUS INC.

2823 Olive St.

St. Louis, Mo.

CROWN POT, 6½ in. glazed metallic black or coffee $2.25 postpaid.

ROUND JARDINIERES in cases to hold 4, 6, and feet. pots $1.25. $1.75 & $2.25 postpaid. Colors—Old white or turquoise.

High firing develops in these smaller pieces the same strength and color that distinguishes GALLOWAY GARDEN POTTERY.

Write for information.

GALLOWAY POTTERY

3218 WALNUT STREET

PHILADELPHIA, PA.
The Great Pyrenees

Weren't I asked to name the ideal all-round dog for a country place, I would unhesitatingly nominate the Great Pyrenees. I well realize that one cannot make such a sweeping generalization and have it effective without reason or a background. So let us consider first what Man really expects and asks of his ideal canine companion.

The first requirement, it seems to me, should be a trustworthy and honest disposition. This feature is paramount in the Pyrenees. Never have I met a cross one, even in old age, when so many breeds become "grumpy." The second point would be a lovable and kind character, and in this, too, the Pyrenees excels. His intense devotion includes the entire family and home and he will guard it carefully and devoutly with a seriousness that characterizes the breed in work and play. The Great Pyrenees loves children and will tolerate anything from them, entering into the play whole-heartedly and striving always to please by mere romping or by pulling a sled, or swimming, or riding.

Thirdly, mankind wants a dog of keen and almost super intelligence, both from the standpoint of training and intuition. Here again the Great Pyrenees is a master. Whether or not his years of intimate association with mankind on the lonely slopes of the Pyrenees Mountains have endowed the breed with its almost uncanny understanding of man and his ways, it is certainly true that this great breed seems to anticipate and dote on its master's every whim and wish and fits into the scheme admirably.

The Great Pyrenees is at once tractable and yet possesses a mind of his own which gives him a strength of character and individuality missing in those breeds which seem incapable of thinking for themselves and of getting out and doing things and having experiences on their own! He is naturally clean and easily trained in the house.

Fourthly, Man wants his companion to be both beauti-
The Great Pyrenees make grand companions. Among other things, they are tractable and easily adapt themselves to whatever their surroundings may be. Here is Mrs. Frank Butcher with five of her dogs.

These Advertisers Will Give Special Consideration to Letters from Readers Who Mention House & Garden’s Name.
Have a Professional Handler

BOARD • TRAIN • CONDITION and SHOW YOUR DOG

The professional handler is qualified by training and experience to board and train your dog. If he is out of condition the professional handler knows how to put new life in him. If you want to show your dog the professional is expert in every branch of the art of preparing and showing him at his best. The names of reliable professional handlers and the breeds in which they specialize are given below.

Duffy & Sachers (All Breeds), Route 10, Whipsnappy, N. J. (Whipsnappy 800-466)
Harry Hartnett (All Breeds), Harrison, N. Y. (Rye 1721)
Harold Newman (All Breeds), R.P.D. 2-6, Columbus, Ohio (Alton 33)
J. L. Pratt (Terriers), R.D. 6, Amsterdam, N. Y. (Schenectady 6-9181)
Pacey Roberts (All Breeds), Gardner St., Newton, Conn. (Stanford 3-6405)

BLOODHOUNDS

Intelligent, gentle and affectionate. We have a litter sired by Ch. Brogden.

Ch. Brigadier

German Shepherd Puppies

Sold by America's leading Shepherds, Ch. Detwil. Jr.OWNER Rushville, Ill.

Ch. Detwil. Jr.

TALLY HO KENNELS

REG.
43-16 Kissena Blvd., Flushing, N. Y.

DORALDA FARMS

New Jersey

EDGERTOUNE KENNELS

West Highland White Terriers

"The year 1877 celebrated the first Canadian White Terrier, pointer. Today, New York, Iowa, West Virginia, Ohio, New Hampshire, New Mexico, and other states are proud of having produced champions in this breed."

Ch. Experience White

Owner: Mrs. John E. Wieland

Concord, N. H.

ROBINRIDGE KENNELS

West Highland and White Terriers

Puppies of the finest quality only available.

Mrs. A. S. Monroney,

311 West Fourteenth

Oklahoma City, Okla.

WEST HIGHLAND WHITE TERRIERS

ROWEFOND KENNELS

Jane F. Peters, Mt. Kisco, N. Y.

Ch. Edikwiloun Wullio

Briarcliff, N. Y.

WELSH TERRIERS

From winning stock usually for sale.

BENMAR KENNELS

1315 Murdoch Road

Pittsburgh, Pa.

Wilson's Puppy Offers

Some wonderful healthy puppies now to offer. Best breeding and as good as they grow. 3 to 8 months old.

Great Danes German Shepherds Boxers Dachshunde Reisenschauers Medium Schnauzers Dobermanns and also trained dogs.

Free book furnished on request.

WILSONA KENNELS

Ben H. Wilson, owner

Rushville, Ind.

SCHOU'S KENNELS

Everett, Ohio

DUFLASH KENNELS

When you want a unique dog visit our kennels.

Mrs. E. S. Dole

Lawrence Kansas

CHOWS

TALLY HO KENNELS

REG.
43-16 Kissena Blvd., Flushing, N. Y.

ALFRED KENNELS

Bellaire, Ohio

LINDENHOF KENNELS

Wolfgang Rond, a son of Chief, Ashiew, Ill., Schipperke and Great Dane imported stock.

WOLF'S HAVEN KENNELS

5372 Booth St.

St. Louis, Mo.

BUFFALO WIRE WORKS CO., Inc.

443 Terrace

Buffalo, N. Y.

BUFFALO WIRE PRODUCTS CO., Dept. 1

312 South Street

Buffalo, N. Y.

Wilsona's Puppy Offerings

Some wonderful healthy puppies now to offer. 3 to 8 months old.

Great Danes German Shepherds Boxers Dachshunde Reisenschauers Medium Schnauzers Dobermanns and also trained dogs.

Free book furnished on request.

WILSONA KENNELS

Ben H. Wilson, owner

Rushville, Ind.

These Advertisers Will Give Special Consideration to Letters from Readers Who Mention House & Garden's Name

BUFFALO WIRE WORKS CO., Inc.

435 Terrace

Buffalo, N. Y.

BUFFALO WIRE PRODUCTS CO., Dept. 1

312 South Street

Buffalo, N. Y.

Don't Spoil and Spoil Your Female Puppy

USE CUPID CHASER

To Keep Dog Away While Female Ace is in Season.


PIERPONT PRODUCTS CO., Dept. J

312 Stuart Street

Boston, Mass.

BUFFALO WIRE WORKS CO., Inc.

435 Terrace

Buffalo, N. Y.

BUFFALO WIRE PRODUCTS CO., Dept. 1

312 South Street

Buffalo, N. Y.
Ears in puppyhood, the Great Pyrenees feels perfectly at home with sheep, for behind him are centuries spent as a shepherd's dog in the mountainous regions of the Pyrenees. Mrs. Byrdie A. Faye

on the body. The height for the adult male should reach 30"-32" at the shoulder and his weight range from 120 to 140 pounds. The females are somewhat smaller.

Fortunately for the Pyrenees, his beauty and charm of character so endeared him to the royalty and nobility of France that we find him becoming the court dog at the time of Louis XVI and the accepted guardian of many of the famous châteaux in the years to follow. This association with the aristocracy imbued the breed with a wider understanding of

It takes a very hard-hearted person to resist the appeal of the Great Pyrenees. Consider, if you will, this pose of a half brother and sister, shown by courtesy of Mrs. Frank Butcher
mankind and has left its mark in a very aristocratic bearing and perfect gentlemanners.

But the breed was destined to play a rôle of helpfulness for his fellow canines as well as humans, and so we find him becoming one of the ancestors of the Newfoundland dog after he had been taken to Newfoundland by the Basque fisherfolk in the 17th Century.

No story of the great dogs of the Mountains would be complete without a word, at least, about the puppyhood stage, for it is in this stage that many of us first make our acquaintance with these dogs. As puppies, the Great Pyrenees are irresistible balls of white fluff, accented by heady dark eyes that combine mischief with understanding trust, boiteness with adoration. They are all legs and knuckles and out of balance, as are all big breeds, during a certain stage in their development, but withal lovable cedars and adorable in every sense of the word.

So it is little wonder the breed is now spreading the world over. It is making rapid strides in America today, in Canada, in England, in South America, Belgium, Holland, and France and should, it seems to me, be destined to attain the greatest heights of popularity of all the large breeds.

MARY W. CRANE

(Continued from page 23)
September's a busy, bustling month. So arm yourself aresh

with facts. Read up on what to do—and how. What to buy—and why—and where. Where to sail—and on what ships. Just write to the addresses given here, for any of these books.

ORREFORS shows exquisite Swedish craftsmanship and admirable—indeed, it is delightfully—simply and elegantly engraved—all of it lovely! We'll send you a complete color catalog of the beautiful setting of room pictures charmingly presented at retail. It's a compact crystal tableware in dozens of test, 12-piece, pattern sets. A. J. Van Denber- 

and Sons, Dept. G-9, 1107 Broad-

way, N. Y. C.

GIFTS, 1927 version, is a catalog of charming things for the home—ingeni­osity designed modern pieces in polished copper, or chrome finish—and traditional pieces reminiscent of a--.

a wide variety, ranging upward from ordinary to Red Emperor, "king of all the

old South African Tours, gives their

duced models in polished and natural pieces reminiscent of Revere. A book about wool, from the lamb's back to finished blanket, made, dyed, pre-shrink and flax­test. It's most informative! North Millenium Mills Co., Dept. G-9, Minneapolis, Minn.

ELBOW PILLOWS... the new V-shaped pillows (you snuggle right under into the V, and sleep soundly and healthily!) lists ten tips of luxuri­ous comfort, and mentions models in different materials. Elbow Pillow Products Corp., Dept. G-9, 745 Fifth Avenue, N. Y. C.

HOW TO GET YOUR BEAUTY SLEEP, by Sylvia of Hollywood, gives you suntips and hints, and shows you how to make your bed “the most comfort­able bed on earth,” (TRAN- 

A book that you must have if you don't know all about grace­ful color schemes; telling you the

of color and pattern in decoration. Six experts. They have much to say

MAGNIFICENT BRASS BAND CHIMES gives you glimpses of the color­ful East coast of our neighbor­hood—its gay cosmopolitan life, its charming hotels, its sights—its people and places. And to these it adds scenes aboard the four fine Prince ships that plly between New York and the South American coast. Fitness Frolic Line. Dept. G-9, 24 Whittier St., N. Y. C.

VISIT JAPAN pictures the sports and theaters of Japan—its sights and scenes

THE TRU-TONE CARPET BOOK illustrates the most popular
ties. It blithely suggests a double harmony of do's and don'ts that will help even a

a little booklet by a clever decorator, out­lining the main ideas and practical hints for the home in 100 pages, with illus­trations, it supplies ideas for cur­orative purposes. Some use the ship's
care of broadloom carpetings. It shows

how to make small rooms seem larger—and how to make many rooms play a dual role. Simmons Co., Dept. G-9, 229 North Dear, Drive, Chi­cago, Ill. COLOR SCHEMES, by Shulman, is a

BOOKLET is an exceedingly interesting booklet of fully 60 wide variety, ranging upward from ordinary to Red Emperor, “king of all the

quick and easy ways to make your bed, and tell you about the different materials to use. That's the reason why the Millenium Mills Co., Dept. G-9, New Bed­ford, Mass. HOW TO SELECT A RAS ACT COMBINES the advantages of gas cooking—the points to look for, for best roasting, baking, braising—and some facts about the new Glenwood range with dual-thift burner and re-circul­ating oven. Glenwood Range Co., Dept. G-9, Taunton, Mass.

MELLO-CHIME offers a "perfectly tuned musical chime to announce your guests"—replacing your harsh buzzer or your present doorbell. It blythely suggests a double harmony of do's and don'ts that will help even a 

DOGS, Cats and Fishes. Their Treat­ments. With its complete and helpful information, this booklet in­cludes tables and charts, designed for diseases of dogs and cats and for their treatment. Dr. L. E. Loges, Equip Co., Dept. G-9, St. Louis, Mo.

MODERN DOG FEEDING and Pup­pie Care is a compact little guide-book of do's and don'ts that will help even a beginner with a very first puppy to train to your satisfaction. Dr. E. J. Miller's dog foods. Battle Creek Dog Food Co., Dept. G-9, Battle Creek, Mich.
LIVING ROOM with collectors' pieces. (Above) Sloane decorators are now ready to help you with new Fall decorating ideas... and in the Four Centuries Shop there are many new “finds” to add to your collection. Among them are the antiques illustrated. Pair of decorated side chairs, $145 each. Canterbury, $95. Sheraton card table, $150. Lacquer tray on modern base, $140. Wing chair in chintz, $350. Venetian mirror, $550. Crystal lustres, pair, $375. Third Floor

BUDGET ROOM with reproductions. You will find a new series of charming “small-cost” rooms in the Budget Shop. Sloane made the furniture and planned the decoration for those who want quality and good taste in full measure. Mahogany pieces illustrated: Side chair, $37.50. Sofa table, $87.50. Easy chair, in muslin, $69.50. Secretary, $165. Plant stands, each, $22.50. Hepplewhite shield-back chairs, in muslin, $39.50 each. Coffee table, $32.50. Second Floor
September

HOUSE & GARDEN

Cover design by David Payne
6. Under the roofs of Manhattan
10. Schools of House & Garden
12. Shopping around
20. The dog mart
25. Booklets for the asking
29. The bulletin board
30. The Paris International Exposition, by Richardson Wright
34. White daffodils, by Florence Edna Foote
36. Trends in roses, by Dr. J. H. Nicolas
37. Garden in town
38. Fall coloring
40. Set for simplicity
42. Double tulips, by Louise B. Wilder
43. Old English
44. Many shades of blue
46. A kitchen gardenette, by Mary Louise Coleman
48. House & Garden’s series of flower prints
53. Glass
56. Here’s how!
58. Madonna lilies grown to perfection, by James Kelly
59. J. P. Morgan’s madonna lilies
60. End of summer
62. Introducing conditioned lighting
64. Bucks County house
66. Silver for beverages
67. New conquest of Peru
68. The gardener’s calendar
88. House & Garden’s travelog
92. The garden mart

AND IN OCTOBER - A DOUBLE NUMBER

- Another exciting Double Number of House & Garden appears next month. Highlights of the first section are: Previews of new fabrics, new wallpapers, new decorative schemes in full color; plans for the 1938 Ideal House; what’s new in furniture; how to place pianos properly; trees for Autumn planting; and an authoritative article on small houses.

The second section is devoted to a manual for the bride, and will contain the latest information on the decoration of houses and apartments here and abroad. In this comprehensive survey you will also find the tops in furnishings and home equipment, heart-warming gift suggestions, gleaming linens and shining silver—in short, everything from practical gadgets to fascinating luxuries. The October Double Number will be invaluable to all who enjoy the finer things in living.

Richardson Wright, Editor - Robert Stoll Lammon, Managing Editor
Margaret McKelvy, Associate Editor - Julius Gregory, Consultant

VOLUME CXVII, NUMBER THREE. TITLE HOUSE & GARDEN REGISTERED IN U. S. PATENT OFFICE. PUBLISHED MONTHLY BY THE CONDE NAST PUBLICATIONS, INC., GREENWICH, CONN.
CONDE NAST, PUBLISHER; FRANCES L. WOODRING, VICE-PRESIDENT; W. R. HOGG, TREASURER; M. K. MORGAN, SECRETARY; FRANK F. MURRAY, BUSINESS MANAGER, EXECUTIVE AND PUBLISHING OFFICES, GREENWICH, CONN.; EDITORIAL OFFICE, CHARLES E. RILEY, JR., EDITOR, 111 W. 57TH STREET, NEW YORK, N. Y.
FRANK F. MURRAY, JR., MANAGING EDITOR, 3 NEW BOND STREET, LONDON, W. 1;
SOCIETY DES CHAPUS-DUUXES, PARIS, PRINTED IN THE U. S. A. BY THE CONDE NAST PRESS. SUBSCRIPTIONS, $3.00 A YEAR IN THE UNITED STATES, CANADA, PORTUGAL, BELGIUM, FRANCE, AND THE PHILIPPINES; $4.50 IN ALL OTHER FOREIGN COUNTRIES. SINGLE COPIES 50 CENTS

Subscriptions, $3.00 a year in the United States; Canada, Portugal, Belgium, France, and the Philippines; $4.50 in all other foreign countries. Single copies 50 cents.
Lovely and distinctive RAMBLER ROSE appeals to those who like modern design with decoration. Its rosebud panel, full of rich vitality, ends in a crown of roses worked out in exquisite detail. ... The vibrant charm of RAMBLER ROSE will give continuing lifelong pleasure.

You will like the new CHIPPENDALE Sterling. It is based upon authentic period design but is thoroughly modern. Long, swinging curves, ending in softly rounded contours, give it lasting beauty. And the price is very moderate for Sterling of such quality and finish.

"HOW TO PLAN YOUR WEDDING." Send for this booklet of twenty-four pages of helpful, correct information, compiled for you by Emily Post, the editors of Vogue and the Towle Silversmiths. Even the simplest wedding brings up problems which this delightful booklet answers. It tells you what to do three months before the wedding — two months before — six weeks — three weeks — last week — wedding day. Four pages for the groom. It is very practical and a priceless record. Write today for your copy.

THE TOWLE SILVERSMITHS, NEWBURYPORT, MASSACHUSETTS — Bride's Personal Service — Dept. G-9
Please send me free information on Towle Sterling, especially on patterns.
I enclose 10 cents for copy of "How to Plan Your Wedding."
Name and Address...
Covers. Our first cover this month was painted by David Payne. It is the reception room in the office of Frank Mullis, New York decorator. The focal point is provided by an original Adam mantel in white and green marble, topped by a plaster drapery hung on a gold bar. Two pictures, one a Chinese painting on glass and the other an Empire portrait, hang beside the mantel, and on it are pyramids in spirals of blue glass.

The second cover is a prophecy of things to come. William L. Hamby, who designed it, took the elevations of the four prize-winning houses of House & Garden's Architectural Competition and from them sketched four little perspectives, giving you a bird's-eye view of the actual houses shown inside.

**Psalms and Orchids.** Our first cover this month is laid to the memory of James Bateman, Esq., of Knypersley Hall, Cheshire, ardent lover of Orchids. We honor him not only because he wrote learnedly on the Orchids of Mexico and Guatemala, a work to which Cruikshank contributed numerous sketches, or because he was honored as one of the great gentlemen botanists of his time (1811-1897), but because he was exposed (and it took) to the lure of Orchids at an early age. We have not forgotten it.

How much of the Psalms he retained we do not know, but history does record that this particular plant was the beginning of the fine collection of Orchids formed by him at Knypersley Hall.

---

**Rose Mutabiles.** Looking over some old notes made in Geneva years back, we find the record of a conversation with Henri Correvon, the grand-daddy of alpine gardening, who told us of a wonderful Turkish Rose. In the morning it is yellow, at noon pink, and by nightfall red. He called it Rosa mutabalis, and said it was found on Isola Bella on Lago Maggiore in Italy. Does any one know about that Rose?

---

**Authors in Summer.** Jane Platt, who writes those tempting recipes, has been cooking and studying at the Gordon Blu in Paris this summer and we expect her back soon in House & Garden with more notions to make the mouth water. . . . Mrs. Wilder has been plant hunting in the Pine Barrens of lower New Jersey. From the winter that will be remembered, those magnificent Whitesbog Blueberries originally hailed. . . . Quite a number of the architects who contributed houses to our architectural competition and from them sketched four little perspectives, giving you a bird's-eye view of the actual houses shown inside.

**Psalm and Orchids.** Our first cover this month is laid to the memory of James Bateman, Esq., of Knypersley Hall, Cheshire, ardent lover of Orchids. We honor him not only because he wrote learnedly on the Orchids of Mexico and Guatemala, a work to which Cruikshank contributed numerous sketches, or because he was honored as one of the great gentlemen botanists of his time (1811-1897), but because he was exposed (and it took) to the lure of Orchids at an early age. We have not forgotten it.

How much of the Psalms he retained we do not know, but history does record that this particular plant was the beginning of the fine collection of Orchids formed by him at Knypersley Hall.

---

**DEFINITION.** Last year you should go through life without learning, it, hasten to inform you that the word "landscape" was borrowed from the Dutch and meant the appearance of the land when represented in a picture. It didn't take gardeners long to make pictures out of their land. So a landscape architect is, in the truest sense of the word, an artist, who paints pictures with living trees, shrubs and flowers.

**STEAM JUDGES.** In the judging of its Architectural Competition (see the second section for the prize-winners and runners-up), House & Garden was especially fortunate to gain the assistance of a perfectionist jury: Harrie T. Lindeberg of New York, David Adler of Chicago (what more brilliant designers of houses are practising today?), Allmon Fordyce, who has set on the right path the feet of many a student at Yale School of Architecture, and Edgar Williams, who acted as referee and advisor and at no time was required to separate the combatants.

After all, it is a tough job to judge 185 entries in an architectural competition. Little wonder that the work took two full days. Twice were the jury-men solemnly marched to lunch, and not until the end of the second did any of them even so much as hint that he needed a mint julep.

House & Garden is deeply indebted to these gentlemen for their services and also appreciates the engulfing flood of entries.
The dramatic tower of the United States pavilion on the left bank of the Seine sweeps skyward from its massive base.
THE PARIS INTERNATIONAL EXPOSITION

The buildings of the Paris International Exposition now emerging from scaffolds on the banks of the Seine, in the Trocadéro and in the Champs de Mars, while designed to show arts and techniques of modern living, offer only a few ideas applicable to American home architecture of the future. Furniture suggestions are equally limited. However, the gardens spread around the palaces and pavilions do constructively indicate a change in taste.

In architecture, reflecting as it does the mood of society, the tendency today is definitely nationalistic. With the United States now concentrating its interest on early American and Georgian houses, the extreme modernism of exposition architecture or even the authentic houses of the French provinces and colonies cannot be expected to furnish inspiration except in rare instances. The richer exterior colors are applicable to Florida and California building but the fantastic forms are scarcely suitable to Middle West or North Atlantic environments.

There are great quantities of structural glass, both opaque and clear, entire buildings being constructed of it. Whole walls of photomurals, which are hardly news any longer, offer a contrast to glass or plain plaster walls. Unless one is an unquestioning modernist one looks in vain for grace in exterior design and hungers for less bold or barren interior backgrounds.

There is little indication that this exposition will have any pronounced influence on furnishings since it is not devoted solely to decorative arts as was the exposition of a decade ago. However, as I cable this, the Palais des Artistes Décorateurs, where furniture will be shown, has not been completed.

Modern French furniture design seems to have exhausted its possibilities and its good features have already been incorporated into American productions. There is an evident revival of appreciation of possibilities in wood. The Germans are displaying some excellent marquetry and Poland presents native modern rooms with raw wood walls and furniture. Japan, confused in its attempt to go modern, offers an Oriental crossbreed of 1924 German patterns embellished with 1900 French floral motifs.

In short, architecture and decoration seem to me to furnish few future tendencies and desirable trends for practical application except in mechanics for the home in which the United States leads the world.

New garden ideas are refreshing in this Looking-Glass world of glass bricks and photomurals. Modern buildings require formal geometric garden environments. Old style herbaceous borders and informal plantings offer too violent a contrast. (Continued on page 72)
The United States pavilion across the Seine Classic yet modern—Museum of Modern Art Shell-studded entrance arch—Quai de Passy

Steps of thick glass—St. Gobain pavilion Interior of Argentine restaurant "Pampa" Ramps replace stairs—Japanese pavilion

Fountain in court of the Italian pavilion The gardens of the Roumanian pavilion Red geraniums, red pots—Roumanian pavilion

The British pavilion gardens on the Seine
Czecho-Slovakia's opaque glass pavilion
Copper-framed gate—Convegues sculpture
Bricks and tiles—Pavillon de la Céramique
Ship-shape end of the Belgian pavilion

The British pavilion restaurant, the Buttery
Glass and white-and-gold metal furniture
The bar of the Pampa—décor by Bérand
Polish pavilion passage with modern roc

Miniature rock garden—Norwegian pavilion
Flowers and fountains—Italian pavilion
The winter garden in the Belgian pavilion
Hortensias and shrubs—the Sèvres pavilion

CAMERA NOTES OF THE PARIS EXPOSITION
WHITE DAFFODILS

By Florence Edna Foote

Men are generally supposed to be partial to strong basic colors—perhaps red being their first love, then the bright, striking shades of blue and yellow. Such colors naturally associate themselves with qualities of strength and manly vigor!

But, let that gentleman be a man of nice taste and let him be a lover of Daffodils who gardens with his own hands and, sooner or later, he will leave the reds and yellows and fall under the magical spell of the lovely white Daffodils. And that is quite natural, too, for white has the strongness of all colors combined—the strength of the diamond, of the clouds in the heavens, of light itself.

Men produced the marvellous white Daffodils which we have today, and it was not an easy thing to do. More than fifty years of thoughtful, careful work and patient waiting went into the development of these present-day varieties which have tall stiff stems and large flowers of glistening, lasting substance.

Most of the wild Daffodils die out under cultivation; crossing or
hybridizing is the only way their lovely essence can be preserved. The hybridizer had to begin with the wild species of Narcissus which grew untamed in mountainous Spain, Portugal and the Mediterranean countries. These wild forms had short-stemmed, thin-petalled blossoms, weak in flower but strong in vigorous constitution. They are lovely in the woods and hillsides where they make a solid mass of color as they sweep up the sides of the mountains and down into the green valleys! Have you seen them like this in Switzerland?

The Poeticus varieties of the Mediterranean countries had longer stems and thicker white petals, with very short cups and a bit of greenish-yellow or a red ribbon about the edge of the cup. The hybridizer began with crossing these wild pale yellow and white Daffodils with pollen from the Poeticus varieties and the resulting seedlings gave intermediate forms with shorter cups which are today called Incomparabilis, Barrii (after Peter Barr) and Leedsii (after Edward Leeds). Leedsii is a name given only to white forms of Incomparabilis with primrose or white cups. Since their first public appearance in 1913, the pinkish, buff and chamois-colored cups have been included in this Leedsii group.

Many of the Giant or large-flowered Leedsii have such long crowns that it is very difficult to distinguish them from the Trumpet Daffodils. But, if a petal is folded up against the long crown or cup and the cup is not as long as the petal, then it is a Leedsii; but if the trumpet is as long or longer than the petal, then it is called a Trumpet Daffodil.

Among these long-crowned Leedsii we have such lovely flowers as Mitylene, Gracious, Tenedos and Marmora, all tested and acclimatized in this country. Nothing could be lovelier than a vase of Mitylene or Marmora. Gracious has every good quality, for gardens or show table. Suda is a rich creamy primrose in my own garden and a grand variety. In England and Ireland, where they have more moisture, Suda has a very delicate pink crown, but most seasons it shows no pink in my garden. Riva and Tunis are grand flowers, each (Continued on page 87)
FLORIBUNDA is a Latin word which means abundance of flowers. It is the descriptive name of a new class of Roses—the Roses of the future.

The Rose is preeminently a garden flower, and this new group brings it more closely to the perennial status in garden decoration, permanence, continuity of bloom and ease of culture. It is a group, not a strain, because the varieties included in it are derived from various arctic sources. Arctic is a new word in Rose parlance, more specific than the much-abused “hardy”.

The group is especially bred for mass or border planting and general garden ornamentation. The habit of growth is similar to Hybrid Teas, medium height. Because of their arctic characteristics, Floribunda Roses are more permanent and bloom continuously in numerous clusters. The flowers are fairly large, from single to very double, and include the entire range of colors known in Roses. A distinctive feature is the long-lasting quality of the blooms in all weather, even the hottest sun which wilt Hybrid Teas so quickly. They are very useful as cut flowers for house decoration where they make handsome bouquets and center pieces of long duration, sparkling under electric lights.

These Roses produce their best effect in the garden when planted closely, 14” or 15” apart, in large groups or masses of one color. Used thus, they will virtually blanket the ground and the foliage and stems will be almost hidden by the blooms.

Floribunda Roses are not altogether new. Hybridizers have been developing them for several years past but they were formerly included among the Hybrid Teas and Hybrid Polyanthas. Some are reminiscent of the Hybrid Tea for the finish of their blooms but are different because of hardiness and floribundity. The name Hybrid Polyantha is misapplied because none of them are typical of the “baby rambler”.

It is only now that they have been segregated under a special classification. Previous introductions now included in that class are:

- Anne Poulsen, scarlet crimson; Carillon, coral flame; Else Poulsen, pink; Fluffy Ruffles, pink; Gruss an Aachen, light pink; Hermosa, pink; Hofgartner Kalb, pink; Improved Lafayette, red; Kluis Scarlet, red; Lafayette, deep pink; Mrs. R. M. Finch, flesh pink; Permanent Wave, two tone cerise and pink; Pink Gruss an Aachen, pink; Rochester, pearl and yellow; Sunshine, orange.

Breeding in the Floribunda group is now the main line of endeavor of Rose hybridists throughout the world. The percentage of introductions of Floribunda varieties will be larger each year. Large gardens, public or private, where permanence and cost of maintenance are of great importance, may be planted entirely with Floribunda Roses. The effect would be spectacular as well as more continuous than with regular Hybrid Teas.

The new introductions for the season 1937-38 total up to twenty-five varieties selected from the output of six countries. They are unusually superior and cover the entire range of Rose colors, no two alike. Of these, eight are of the Floribunda class:

- Baby Chateau (Germany). Deep maroon, blooms medium size and very double. Plant of spreading habit.
- Golden Main (Germany). Solid dandelion yellow, large and full. Plants rather tall growing, suitable for low hedge. I saw a round bed of Golden Main bordered with Carillon (coral flame) in the center of a garden where it was a spectacular “accent”.
- Pedralbes (Spain). The loveliest white of the group. Clusters of long pointed yellow buds opening into large semi-double fluffy blooms glistening white and perfumed.
- Pink Charm (Germany). Flowers double, about 2½” across, luminous shell pink.
- Ronsard (France). The petals are light yellow outside and scarlet inside. When the bud begins to unfurl and the petals curl back, the scarlet and the yellow make a great contrast. The open flower is medium large and double, orange scarlet changing to deep (Continued on page 94).
When Spring comes to Russell A. Pettengill's garden in the heart of mid-town New York it brings a breath of the real country. A ribbon of yellow Tulips around the central lawn, the white and pink of Dogwoods, the pastels of Azaleas—these are wholly pleasing against the soft tones of the dwelling and the little garden house. A demonstration of what good planning, thorough soil preparation and care can accomplish even in a great city.
Four fresh schemes that show the many color possibilities in the Fall decorating picture

Song birds in chartreuse, dusty blue, emerald green, against a ground of warm beige, set the color key for this Georgian living room. Draperies pick up the pale blue, fireside chairs the chartreuse, lamps the emerald.

Contrast of color against dead white. Deep blue walls in a Georgian dining room, spiced with Baroque in the pure white plaster of cornice and mirror. Draperies are pale blue and the rug is clear aquamarine.

For the small house, a French Provincial living room in amber walnut. The pinky-beige of the wallpaper is echoed in the sofa, gayly flowered in deep pinks; in the rose linen armchair; in twin armchairs, striped with burgundy.

Maple bedroom, contemporary in its use of color. The jade green and blue of the wallpaper are repeated in bedspread, chaise longue and chair. Windows, bed and dressing table are draped with the same white net.
SET FOR SIMPLICITY

Platinum gray and eggplant, with accents of white and crystal, against a background blue as September’s skies

SET a special table for special people! Given four delightful conversationalists, and superb food exquisitely cooked, the setting opposite is the final touch to lift a simple luncheon into the top flight of esthetic enjoyment.

Modern painters teach us that what is left out of a picture is just as important as what is put in. Here, then, the colors are limited to three or four, the china and glassware is noted for its texture and form rather than for its ornament, and the whole effect sings with audacious simplicity.

The dominant color is in the blue cloth and napkins. Called “Bernina”, they have a fine damask-like criss-cross pattern, and may be seen at Mosse, Inc. The dark green leaves and spotted blossoms of Lilium auratum complement the graceful fish centerpiece and candlesticks, in white plaster. These and the cut crystal ash-trays and salt-and-pepper holders come from Carole Stupell. The mahogany chairs, with green leather seats, are shown by courtesy of Bello, Inc.

The glassware is Orrefors’ “Baltic” pattern. Clean in line as a rolling sea-wave, its graceful curves are equally satisfying to eye and hand. Shown on the table are goblets for water and two wines. At top on this page are a bread-and-butter plate, a salad plate and, in foreground, a finger bowl on a dessert plate. All from Black, Starr & Frost-Gorham.

The china is Franciscan pottery called “Montecito”, from Hammacher Schlemmer. Here is a new decorative note—two contrasting colors, eggplant and platinum gray, in the same pattern. Bouillon cups and service plates are shown on the table. On this page, center, are four more items: serving platter, two small plates and vegetable dish.

The silver is Alvin’s sterling pattern “Maytime”, from John Wanamaker, Inc. The delicate beaded and fluted ornament against a polished plain surface bespeaks the fine craftsmanship of the modern silversmiths. In addition to the luncheon service on the table, three other pieces are shown at right: serving spoon, soup spoon and salad fork.
THE double-flowering Tulip is seemingly as Victorian in period as our great-grandmother's crinolines; in fact, the opulent spread and dignity of these flowers is strongly reminiscent of those prim if coquettish garments, worn in the days when ladies were ladies but were not above attracting the male eye by an ingenious (or ingenious) flirt of their billowing skirts.

Today the double-flowering Tulip is not in fashion. One has to hunt about a good deal before one is able to make even a modest collection of them. There are early flowering kinds and late flowering kinds, and while Sir Daniel Hall in his comprehensive work *The Tulip* gives a short list of "earlies", he has but one comment to make about the May-flowering doubles: "Better dead."

Well, everyone to his own way of thinking, and now that I have got together a collection of doubles I know that I like them and I can think of a good many reasons why. [In an earlier article I devoted a good deal of space to a description of the early doubles, and lovely they are, so in the present article the "better deads", the May-flowering doubles, will be given their meed of appreciation.]

It is incomprehensible to me, as I look at my rows and groups of double Tulips, that they should never have been very popular. Sir Daniel Hall says a double Tulip was recorded in 1665. In Parkinson's *Paradisius*, though there are many illustrations of Tulips, none are double-flowered. And in that quaint little leather-bound book, *The Dutch Gardener or the Compleat Florist*, written by Henry van Oosten, the Leyden Gardener, who devotes a considerable portion of his small tome to an impassioned defense of the Tulip, he merely remarks in a passing way that "There are some which you may call double, because they have twenty or more leaves."

This book was written in the Dutch language in 1703. Nicholson in *The Dictionary of Gardening* gives a list of double-flowering Tulips which he calls early, but these are not all of the definitely early type. In fact, the May-flowering double Tulip is neither distinctly early nor late; it bridges the gap between the two very nicely. The old red and yellow Tournesol is a late early.

And now, though we cannot say they have become fashionable, it is only fair to say that the modern double has been as greatly improved as have its single sisters. It does not have the faults of the earlier varieties. The old-fashioned kind had a weak stem and a heavy head. It bowed before every blast and trailed its furfurbows in the mud. Thus it was no use at all for bedding, nor yet good for picking. Unless one grew them along grass borders where the clean grass protected them from being soiled, there was no use in growing them at all.

The modern double is something altogether different. It has a stout stem, stout enough to resist the most tormenting gales, so that its bright, many-petaled flower looks straight at the sky and never nods.

They last longer in bloom than the single varieties, and despite the wrecking storms of last Spring, my double Tulips remained in good shape for several weeks. They also last longer as cut flowers, and for this purpose they are ideally patterned. A few in a jar make a splendid show and, if combined with Apple-blossoms, *Rhododendron carolinianum*, Exochorda, Lilacs, Bleeding-hearts, *Anchusa myosotidiflora*, or any flowers of the season— with an eye, of course, for harmonious color combination—some lovely associations may be made, of much more substance and splendor than with the single kinds. (Continued on page 85)
That elegance has definitely returned to decoration is apparent in the George Angus Garrett house, Washington, D. C., shown above and on the following two pages. Decorated by Diane Tate and Marian Hall, these interiors are outstanding for their antique English furniture, striking wall treatments and fresh color effects. Above, in the living room, the decorative background is wall paper in a tan and green bamboo design broken at intervals by Chinese floral panels in shades of white on a green ground. Sofa is covered in green damask.

Old English

Three pages of Eighteenth Century rooms from a distinguished house in Washington
On these pages are the hall, drawing room and dining room in the Washington home of Mr. and Mrs. George Angus Garrett. All are decorated in different shades of blue. Above: the hall, with white walls, sapphire blue and white striped curtains and blue and white chair coverings.

Left: the coloring of the living room was taken from the delicate blues and oyster whites of the Aubusson rug. Walls are pale blue, curtains white taffeta. Soft blue velvet covers the sofa; chairs are in white damask. The other furniture is mainly 18th Century English mahogany.
Above and right is the dining room in the Garrett house. Walls are deep Wedgwood blue, with woodwork and ornament painted white. This color makes a magnificent background for the old English furniture, crystal and china. Curtains, white damask.

Note: The dining room, hall and drawing room open into each other and the contrast between the Wedgwood dining room and pale blue drawing room, separated by the dark blue and white hall, is an interesting study in the use of blue in decoration. Diane Tate and Marian Hall were the decorators.
In a dooryard garden such as this you can raise delectable specialties of many kinds with ease and convenience. By Mary Louise Coleman
FOR THE Bridge Wife, the Business Woman, or the Hausfrau who desires all the luxuries of a generous vegetable garden in a condensed form, easily accessible to the kitchen door, here is an idea. May we present such a godsend carefully planned and skillfully executed on a plot of ground twenty by thirty feet, to give solace to the eye, zest to the pot, and especially ease to the joints?

Compact, complete and colorful, it is a restful spot, as efficient as the shiny kitchen which it serves. It is so small that in looking out over it through the kitchen window one gives a sigh of relief in thinking that there is only so much space to be kept in order, though the weeds wax fat in the long rows of Carrots for canning planted out beyond the wall. The cool green of the boundary border, the variety of shades of green of the herbs, the brilliance of ripening fruit in the sunlight and the gaiety of a few flowers extend the walls of the kitchen to tremendous proportions. It makes the kettle fairly sing in anticipation of spicy odors in cooking, the china and linen gleam with delight at the harmony of colors, the result of planting with intent for their especial benefit.

The focal point in the garden is the raised planting bed which extends the full width of the garden on the back boundary line. This tiny vegetable and herb bed, four feet wide and twenty feet long, is raised to the convenient height of a greenhouse bench, adjusted to the worker's height, like all good modern sinks and tubs, giving reason for no bending and little stretching. It is a solid bed, to retain the moisture, in reality two walls approximately 33" high, filled in with good soil. On the back wall there might be a fence of non-breakable glass, to permit the early morning "growing" sun to penetrate to the base of the plants.

Though one can bend and stoop with benefit and ease early in the morning over the long vegetable rows, that same exercise can be eliminated with comfort in the hour before dinner. It gives a feeling of great luxury to hesitate on the way from the hoed row to the pot with an apronful of Peas to be shelled or Beans to be unstrung, to sit on a bench among fragrant Thyme, to leave the sand of the Spinach at the well instead of in the kitchen sink, to stop in the cool of the afternoon instead of spending that twenty minutes within four walls of a steaming kitchen (yes, kitchens do get warm on a summer's day in spite of the fact that some salesmen say superior cooking utensils of this day and age do not emit steam wastefully).

The flagstone paving is smoothly laid except in the proximity of the well where a few Mints grow in small patches between the stones, generously sprinkled as this fragrant herb should always be. Watercress, too, can be persuaded to grow in a sunken tub, if the water is renewed frequently.

The medieval stone-supported seats, made like those in the old English garden prints, support one dwarf Apple tree and one Plum tree, and they are planted with scented Myrtle, Camomile and Thyme. The table, long and narrow on top, is generous enough in proportion to hold incoming and outgoing baskets, assorted vegetables awaiting preparation, seed flats and heaps of cut flowers for arrangement in their vases. Underneath its top, which has an overhang wide enough to keep the knees from knocking and number nine shoes from being scuffed, is a commodious waterproof compartment for scissors, tools, gloves, oil of citronella, comfortable folding chairs and the inevitable broom and dust pan, green handles both, for esthetic reasons as well as for garden identification.

Time and energy are precious in those few minutes before dinner when the cream sauce would burn if one had to go far for those last minute somethings—and, safer, too, when one calls to the nearest guest to run into the garden and pick a few Chives, for the guest may not know the Chives from the precious Asphodels or the Iris seedlings. There is only sufficient material in this little garden to supply last minute wants, when the new Potatoes cry for their Parsley, the cream cheese yearns for its Chives, and the spring lamb fairly bleats for its mint.

(Continued on page 93)
EDITOR'S NOTE:—In this issue we add four to the series of flower prints which, in the last year and a half, have become so popular an editorial feature of House & Garden. Indeed, so frequent have been our readers' requests for duplicate prints, or for prints especially printed for framing, that we have decided to reproduce the entire series in portfolio form, available October first. This series of twenty-five covers the Golden Age of the horticultural print, from the colored engravings of the mid-Seventeenth Century, to the lithographs of the mid-Nineteenth. Each interprets in miniature the decorative qualities of the period in which it was created, from Monmoyer's Baroque curves to the Victorian of Jerardi's "Serpent Vase". Few can resist their charm, as subjects for framing or as treasures for the library portfolio.

**HOLLYHOCKS.** Plate No. 17. Page 49. Little is known about John Edwards, 18th Century English flower artist. The dates of his birth and death are uncertain. We do know that he was a member of the Society of Artists in London and that he took part in all their exhibitions during the years 1763 to 1812. During this same period he exhibited at the Royal Academy. Prints by him, which are extremely rare, are noteworthy for their fine drawing and brilliant coloring. The print of Hollyhocks is dated 1788, and is from a work called "A Collection of Flowers Drawn After Nature". In 1770 he illustrated The British Herbal, a folio of 100 plates of exotic and British flowers.

**CAROLINA PIGEON.** Plate No. 18. Page 50. World famous for his masterly drawings of American birds, John James Audubon should also be remembered for his accurate and beautiful rendering of the shrubs, flowers and trees that serve as their habitat. Born in Haiti in 1785, Audubon spent his childhood in France and later migrated to Pennsylvania. His greatest work, Birds of America, was published in England between 1826 and 1838, and it is from this book that the print shown here was taken. Turtle doves are shown against a flowering bush of Stewartia sinuata, a lovely citizen of the deep woodlands from Virginia south to Florida.

**FLOWERS FROM BULBS.** Plate No. 19. Page 51. To most collectors of prints, Paul Louis Oudart is known as a painter of birds and other natural history subjects. Probably his best known work is La Galerie des Oiseaux du Cabinet d'Histoire Naturelle du Jardin du Roi, published in two volumes at Paris, 1820-26. To this he contributed 324 colored and 33 black-and-white lithographs. The text was by Vieillot. Born in Paris in 1790, in 1825 Oudart published the only work that is known to bear his name: Cours d'Histoire Naturelle, contenant les principales espèces du règne animal, classées méthodiquement, Paris, 1825.

**SUMMER FLOWERS.** Plate No. 20. Page 52. The artist of this flower print remains anonymous. We can, however, place it and the group from which it was chosen at the end of the 18th Century by noting the fact that the paper is water marked "J. Whatman, 1793 and 1794". The general style and approach of the prints would seem to bear out this date. They are typical of 18th Century English flower painting in coloring, composition and execution, which are all fine in quality. Still another indication that this group was painted by the same artist is the presence of exquisite butterflies in each one.
1. Magnolia acuminata
2. Guava changeante
3. Glacieul trompette
4. Euphyllis aquesta
5. Blakea a trois nervures.

P. Audart
The structural and decorative uses of a brilliant and beautiful modern material

Without glass, in any form, a home would be a dull affair, indeed; not a fit place in which to live. Obviously. We want the light which glass admits, a view of what goes on outside the house, the bright reflections in our mirrors. Glass is the essential material in a building, the one we can't do without; but in saying this, we may make the mistake of taking this unique substance too much for granted, using it too tritely, exploring too little the qualities which have made it so important, with the result that our home, while not dull, is perhaps less lovely than it might easily be made to be.

Glass, as used in architecture, has many forms and serves many functions. If we would use it to best advantage, we must know at least as much about it as we know about the glassware used in our dining rooms and kitchens. A close analogy exists. On sight, we recognize the crystal brilliance of lead-bearing glass when we see it in the form of a goblet. We know, without instruction, the valuable economy of the slightly duller glass of common use. And we know, perhaps by experience, that neither should be put in the oven, but that a special glass exists which can stand the strain of severe temperature changes. Similarly, in architectural glass, the various types and forms are specifically adapted to certain requirements, each having its own applications and limitations, many of them suggesting interesting opportunities concerning which the home owner, or prospective builder, should inform himself.

This article, therefore, is essentially a review of the types and forms of glass adapted to residential architecture, showing how each may be used and suggesting what such use will do for the home. For convenience, each will be considered in turn, according to its use—that is, window glass, structural glass, mirrors, decorative glass, and so forth.

Windows are of special interest and importance, today, in that they are being used with greater freedom, their application in design being more widely developed than ever before. The emphasis on sunlight, and on that close relationship to the out-of-doors which well designed windows afford, has influenced the modern style profoundly; and even in traditional design, we find increasing use of large glass areas, picture windows framing a lovely view, windows dramatically placed as dominant fac-
tors in the decorative scheme of rooms. More and larger windows.

Flat glass, used for windows, is of two types, plate and drawn. Plate glass is what we use when we want maximum clarity and maximum freedom from distortion. Drawn glass, the common "window glass", in its highest qualities has only a limited distortion and, being more economical than plate, is more generally used in homes. The maximum practical size of window glass is rather more limited than is plate, maximum size for the former being about 56" by 76", in the double strength quality, whereas plate, as we know from shop windows, is practically unlimited in size for any residential application.

A word about that comparative newcomer, ultra-violet glass, may save our sunbathing readers from possible disappointment. Much confusion has existed over the therapeutic value of this glass which is designed to pass the health-giving rays of the sun, barred by ordinary glass. Owing to the fact that the designation ultra-violet transmitting glass has been applied to sub-standard types which soon lose all efficiency, the American Medical Association has set certain performance standards for ultra-violet glass, and the purchaser should require from the manufacturer certification that his product will meet these standards. This glass is available in any of the standard window glass sizes.

The illustration on page 53 shows flat glass used as a wind screen around the terrace of a sea shore cottage, and on page 55 we see it used in still other new ways; which seems to indicate that we have at last embarked on a really thorough investigation of the possibilities, practical as well as aesthetic, of this type of glass. We shall see that this same enthusiastic spirit obtains in the way in which leading architects and designers are using the other forms of glass which we shall discuss.

The term structural glass is applied to all types of glass brick as (Continued on page 83)
A PRIZE WINNER IN THE PITTSBURGH GLASS INSTITUTE COMPETITION—
AND OUR IDEAL HOUSE STAIR HALL

ABOVE: in House & Garden's 1937 Ideal House, structural glass brick frames the terrace doors, a delightful and decorative treatment of the walls, providing an abundance of softly diffused light.

LEFT: a First Prize winner in the Pittsburgh Glass Institute Competition, Harwell Harris, makes brilliant use of sliding panels of both clear and frosted glass, effectively adapted from Japanese design.
HERE'S HOW!

Your house can be made more safe, convenient and comfortable at a cost much less than you might expect.

Insulating Blanket

8½ by 10½ for the material 2-inch thick. For exterior walls so cold and drafty you would swear the wind made wallpaper and furnishings bulge from their moorings, insulation is the thing. The blanket type now has two thicknesses of asphalt paper, and flanged edges for easy nailing.

Dishpan Sink

About $40 for sink-top without installation. The old dishpan search is eliminated by this new dishpan sink. In the oval compartment dishes are washed, in the other they are sprayed, drained and left to dry.

Basement Entrance

About $25 for size 4' by 3½' without installation. If you have a recreation room in your basement is it a fire-trap? Only one exit to stairs which could catch on fire? This steel hatchway is the perfect solution.

Heat Air Register

About $1.00 to $2.00 for 1½ by 4½ size, painted. Don’t be a prying gentile when the children poke a treasure down the baseboard register. Instead thank your stars for a new type which admits air only, and regulates that by a spring-operated damper.
Flower Room

About $400 for a lean-to greenhouse of by 7 ft.
Growing and arranging flowers isn't much sport in cramped and make-shifty quarters, but a flower room will double the enjoyment of the adjacent room, and triple the horticultural results of your efforts.

Fire Alarm

Each $15.00 complete: screws in any light socket. It's all very well to sleep like the proverbial log, but you don't want unsuspectingly to burn like one. A sudden increase of 15° and raucous sounds from this alarm wake any one.

Movable Radiator

$40 for 10 sq. ft. of radiation, with 750 watt A.C. heating element.
For the bedroom in which even the bed shivers though the window be closed, for the sick room, or for any emergency, just roll in this radiator-on-casters (filled with anti-freeze water) and plug in.

Weatherstrip

About $1.50 for windows and $4.50 for doors - labor not included. It's an old idea - to keep water out - but this weatherstrip makes it easy to accomplish. For the double-hung type it isn't necessary to remove the parting strip, so each window takes about an hour only to install. The strips for each window come in a separate box - five different sizes in all.
MADONNA LILIES Grown to Perfection

OF all the various kinds of hardy Lilies, probably the most popular in gardens of the better type is the fragrant, pure white, large-flowered species known as Madonna Lily (Lilium candidum). Whether alone or in combination with well selected flowers of other kinds, this Lily provides a display of stately blossoms in late June which no other plant can quite supply. Small wonder that it has become almost a watchword wherever bulbs for the hardy border come under discussion.

As with all Lilies, perfect results can come only when the bulbs themselves are of first-class quality, and when they are properly located and cared for. It is to provide the essential information on these two fundamentals that the following article is written.

There are two forms of Madonna Lily. One has starlike petals which are not much recurved; in the case of the other the petals are stoutly ribbed and strongly recurved. This latter type is the one most commonly used for forcing in the greenhouse for early bloom. The best Lilium candidum bulbs are grown in northern France, where climatic and other conditions appear to be ideal for their finest development. Many thousands of these are exported to the United States every year, and, together with those from the southern part of France, form our main supply. The northern bulbs, of course, are the ones to secure for best results.

IN THE LONG ISLAND GARDEN OF J. P. MORGAN. BY JAMES KELLY

Madonnas, unlike so many Lilies, do well in the sun. An ideal place for them is in front of shrubs, but far enough away so that the roots of the latter will not rob the Lilies of their proper share of moisture and nourishment. In such places the Madonnas will receive a free circulation of light and air but the full force of the hot mid-day sun will not be able to reach them.

In the New York region the time to plant Lilium candidum is about the middle of September. When the cold weather begins, they should be covered over with salt hay as protection for the Winter. Very often the foliage is broken from the weight of this mulch when covered by snow, so that care should be exercised when placing the hay. Be sure that it is evenly distributed and tamped up enough so that it tends to form a sort of tent-like covering rather than a flat layer.

During the last few years, instead of planting in September in the usual way, I have potted the bulbs separately in six-inch pots and placed them in a frame with no cover until severe weather arrived. From then on, whenever moderate weather provided an opportunity, the sashes were removed and put on again in the evening. By the end of March the sashes can be removed entirely. About the middle of April I set the plants in the places where they are to grow. The Lilies shown in the accompanying illustrations were produced by this method and attest to its success.

I find that Lilium candidum and Delphinium belladonna make an excellent combination. I also use the Lilies as a background in the Tulip garden. They flower later than Tulips, but their use in this way gives one a longer continuation of flowers in the bulb garden than would otherwise be possible. These are only two of the many combinations in which Madonnas can be used to advantage in the garden border. It will pay anyone to give real thought to other possibilities along these lines.

During hot weather Madonna Lilies must be kept supplied with an adequate amount of moisture. This generally means artificial watering which, when it becomes necessary, should be thoroughly done so that the soil is wet to a good depth. As with most kinds of plants, merely sprinkling the surface does very little real good. I find that it is also a good plan to mulch well with peat moss, as this material holds the moisture and keeps the foliage from getting burned and dried up. In case of prolonged drought it is advisable to remove the peat moss temporarily, while watering, so that the moisture can get down into the soil.
The photographs on these pages not only demonstrate the superb results of correct Madonna Lily culture. They also show the enhancement of beauty which comes from providing a massed green background, such as sheared Privet, for the snowy whiteness of the blossoms. Notice also that the Lilies are in full sun, though sheltered from wind. The author of the accompanying article on Madonna culture is Mr. Morgan’s gardener.
When you re-open your house
or refurbish it for Winter just
follow this orderly plan.

OPENING a house at the beginning of a
new season can be as grim as opening Pan-
dora’s box, from which, you will remember,
escaped all manner of human ills, delusive
hope alone remaining. Or it can be an orderly
procedure with recurring rewards for your
efforts which keep hope far from delusive. It
merely means marshalling your forces and
planning your campaign with the four definite
stages in mind—unpacking, storage, polishing,
and refurbishing.

Take it step by step and consider this gen-
eral advice—

1. Keep your family away during the process.

If this is actually impossible make sure that
the kitchen is in working order.

2. Check and provide necessary supplies. A
good vacuum cleaner and carpet sweeper, wet
and dry mops, floor waxer and polisher, special
brushes (for lamp shades and Venetian blinds)
as well as the common varieties, soaps, cleaners,
and polishers. Shelf and drawer paper, labels, twine and wrapping paper.

3. Air the entire house and remember that
the close, musty air of a closed house will
disappear more quickly if the rooms and
closets are sprayed with one of the new
chemical deodorizers that leave no odor.

UNPACKING

The “human ill” which Pandora would be
eager to spread but which you must assidu-
ously avoid is the suicidal confusion of tissue
paper, excelsior, barrels, box tops with pro-
truding nails, trunks, wads of newspaper and
burst cardboard boxes, the result of unpack-
ing upstairs, downstairs, on the back porch, all
over every bed and in the middle of the front
hall. This “natural method” of unpacking
causes not only physical but mental hazards,
all of which can be avoided by applying the
simplest rules of planning. Any discussion of
unpacking must be prefaced by a strong and
horrid moral, “As ye pack, so shall ye unpack”.
It’s the hard and bitter truth to be remembered
while throwing table linen, bathing suits,
and toilet articles in the same compartment.

Taking a decent degree of packing for
granted, the unpacking will be at least bear-
able if you—

1. Set aside one particular room for the
process. Have every single trunk, box, crate,
STORAGE

It is a great temptation to consider things properly stored when they have really just been dumped in the attic can be overcome by considering how many good and cherished possessions have been lost or damaged this way. Anything that is worth keeping is worth wrapping carefully and labeling; it marks the difference between putting away and throwing away. The prolonged usefulness of properly stored belongings is as desirable as the smug satisfaction gained from being a good householder.

A Storage Plan is the solution to the problem of knowing what is stored and where, and it’s much simpler in the long run than the hit-and-miss method.

A small card index file was never put to better use than for listing articles in storage.

With a simple alphabetical order and a separate card for each article, an index file has just enough system to make the Plan work without red tape and fancy business.

A survey of the closet situation with an eye to what types of things are to be stored, and where and when they will be used, is the next step in the Storage Plan.

One closet given over to roller skates, tricycles, wagons, golf clubs and tennis racquets in the Winter can be used for sleds, skis, ice skates and toboggans in the Summer.

A special closet for fishing and hunting clothes should be planned with a rack and shelves for fishing tackle, guns and supplies, and a lock on the door to ensure safe keeping.

It is always the big unwieldy outdoor things that upset the best storage plans, but they can be well cared for even though they will not lie in neat piles with labels on them.

1. Door and window screens are best stored, after they have been brushed and wiped clean, in racks or flat on the floor in some out of the way corner of the attic or dry basement.

2. Your handsome Summer furniture should be carefully cleaned before storing and the metal pieces should be rubbed with an oily cloth to prevent rusting. Sometimes Summer furniture can be used in a basement game room so that it leads a double life and presents no storage problem.

3. Outdoor games should be cleaned and mended, if necessary, then boxed, labelled and stored in a dry place.

4. The garden tools will be ready for business in the Spring if they are cleaned up, oiled and stored together now. An inventory taken as they are stored will be valuable in planning what is needed next year.

The family luggage needs an annual inspection and should be mended, cleaned with saddle soap or oiled before it is stored away.

Oil leather tends to darken it so that light pieces should be rubbed with white vaseline or lemon oil.

Slip covers and Summer curtains should be either dry-cleaned or washed and left rough and packed away in boxes. Pack curtains and covers for the same room together and label the boxes. Summer glassware, linen and china should also be packed away clean and in order and the boxes labelled. This forethought will bring you great satisfaction when unpacking next Spring.

Here, too, a little forethought is worth the effort. A simple list of the different types of cleaning to be done will simplify shopping for the whole job at one time. Arrange to have all supplies delivered as soon as the house is open so there will be no time wasted.

TO CLEAN:

Walls—paint, paper, wood paneling, tile.
Floors—hard wood, linoleum, tile.
Leather, books, rugs, carpets.

TO POLISH:

Silver, brass, pewter, mirrors, windows.

A few homely old methods still hold their own with the marvels of science and should be brought to mind.

1. In cleaning mirrors and pictures be careful to keep moisture away from the frames and backing.

2. Don’t try to clean windows when the sun is shining on them.

3. To remove alcohol spots from wood, rub with cigarette ashes and a damp cloth, then polish.

(Continued on page 73)
CONDITIONED LIGHTING

- Gaiety or romance—action or relaxation—joy or meditation. These are yours at the flick of a switch. For conditioned lighting, the newest development in modern living, can create for you the mood of the moment. The following article sums up papers read at the recent lighting conference in New York, and incorporates the research by Stanley R. McCandless, professor of lighting at Yale, and consultant at Rockefeller Center.

The sun sparkles—you whistle; the sky threatens—you fall silent. The hour is late—the party is gay; all lights go out except the candles—the guests are hushed. The train speeds you through sunlit fields—inwardly you sing; suddenly the tunnel—a hundred worries spring to life. Everyday occurrences. So in your own home. After dark your mood can be controlled by illumination.

There was a time when your words would have fallen on deaf ears if you said to a friend, "Your heating system isn't all that it should be. In the winter you need humidity for the sake of your health, and the distribution of heat should be even." But the last few years have changed that. Probably the same will hold true of lighting. We may be forgiven for feeling perfectly complacent with our artificial lighting for the simple reason that no one has called our attention to its shortcomings.

The first step toward better lighting is an open mind to examine the findings of the experts. The second is to realize that eye comfort is important, not only for children in school rooms, but for ourselves in our homes.

In every house there is almost sure to be one room where the lighting is practically ideal. Ironically enough that room is the kitchen. This is because there is apt to be a ceiling light of the type which sends out some of its light through a diffusing glass bowl, while the balance is reflected downward from the ceiling. This supplies general illumination. In addition there is apt to be tubular or luminine lighting on the under side of the upper tier of cupboards. This provides additional illumination where it is needed. But there is no glare from these sources because of the general lighting of the room.

This is not to intimate that moving the kitchen lighting fixtures to the other rooms of the house will provide the perfect solution throughout. But it does indicate the formula generally acceptable according to the tenets of advisable lighting: reveal things according to their importance (generally by directional, localized lighting) and provide enough general illumination so that there is a sense of luminosity. What should always be avoided is high contrast, such as is produced by highly translucent lamp shades. If you glance up quickly from this page to a glaring light you will agree that both visibility and comfort are reduced by any light which is too bright.

In your interests the lighting designer studies the domestic problem according to three subdivisions: atmosphere, composition and comfort. All three are important to you after dark. Taking advantage of expert findings involves no extra cost if you are building a new house, nor is it as expensive as you might think if you want to light-condition an existing house.

Here are some observations enumerated by Mr. McCandless relative to the atmosphere of a room as affected by artificial light: (1) pure emotional appeal is influenced by the general amount of light; (2) warm colors are cheerful and exciting while cool ones are restful and formal; (3) flat lighting is sedative (a balance between great and slight contrast is pleasant, while sharp contrasts are exciting and restless); (1) slow and subtle changes in lighting are attractive while sharp ones are distracting and unpleasant. The common fault of excessive concentration of light often produces a greater contrast than anything which occurs in nature except that of brilliant sun or its reflection on water. When you see trees against a bright sky the contrast value may be only about 8 or 10 to 1. Yet in a room with exposed lamps the contrast may exceed 3,000 to 1.

Another important consideration of the lighting designer is that of composition. Up to now you may have thought of any room as being composed of walls, floor, ceiling and the furnishings. Actually what you see in looking at any combination of these is a pattern made possible and made variable because of light. Too often there is no particular thought given to this most important and useful factor. To illustrate: you select wall or furniture materials for light; you choose the ceiling color and texture with certain harmonies in mind. But in each case you view the material or color as though day... (Continued on page 74)
LEFT: The living room designed by James Pendleton shown at the bottom of these two pages has softly diffused lighting and no sharp, contrasting shadows. The general illumination is furnished by light from three urns, while orchid lights in the hollow pedestals add color and warmth. At left note effect of sunlight coming from behind curtains. Thomas S. Kelly was lighting consultant for this room.
18th Century Pennsylvania was a land of fertile farmland and flourishing families. To the Quakers who tilled its soil, one more child would mean another hand on a plow, another hoe in the ripening corn and another switch to herd the cows home at sunset. And Quaker homes grew with their families.

Left. Here is a house which never stopped growing. In the late 18th Century it comprised a center nucleus of one large room—kitchen, dining room and living room at once—and a small sleeping loft overhead. In about 1830 a wing was added. And when its present owners, Mr. and Mrs. William G. Thayer, Jr., bought it they carried on the tradition by building a third section in the same style.

Right. The front façade of the Thayer residence. This view clearly explains the growth of the house. The center mass was the original 18th Century portion. The 1830 addition was made to the right of this, and the latest wing was added to the left. The result is a balanced structure with the fine, clean lines of Quaker simplicity, and a harmony due to the use throughout of native Bucks County stone.
LEFT. Mrs. Thayer's bedroom. The house is furnished with Pennsylvania antiques, some of which were originally in the house, some collected from other old houses in the district. This huge four-poster bed is an original piece; it is uncertain whether it was made here or brought from Holland. The underside of its wooden top is covered with painted panels, and the shelf on the headboard held medicines.

BELOW. The entrance hall, which was originally part of the kitchen. When the latest wing was added it became a small entrance hall, with the door at the left leading into the living room. The table is a typical Quaker design—when not in use it hooks up to the wall.

ABOVE. The dining room was the 1830 parlor. The wide floorboards, polished and worn by long use, would be the envy of many a modern house, and the woodwork is as forthright in design as the famous Quaker virtue. The murals were painted by William MacDonald. Over the fireplace is the Thayer house as it looked in 1830. On the long wall is a scene in New Hope at the same time, and in the corner one of Bucks County's charming covered bridges.
Silver for Beverages

The trousseau of the Southern bride is seldom complete without its quota of sterling silver for beverages. Charmed by the tradition of drinking from silver, we have gathered together this splendid assortment of silver containers so you may really see how lovely they are. Some of them take their design inspiration from classic shapes and motifs; others have a decidedly modern look because of their lack of embellishment and fine, straightforward form. Sterling silver goblets contribute a rich and festive note to entertaining, whether they are used at the table or for convivial moments before or after dinner. They are distinguished accessions to the family heirlooms and, like all good silver, they will give pleasure and service through endless years to come.
FRAncisco Pizarro, drunk with stories of gold, inveigled a band of Spaniards to follow him across the seas to Peru where on November sixteenth, 1532, he began the annihilation of the Incas with a prayer book in one hand and a spear in the other. Today the conquest of this famous land is accomplished minus breastplate and buckler. We need be armed only with an abundance of sun oil against the rays of a sub-equatorial sun. And we go down the coast on a comfortable liner—no cockleshell of wood and canvas.

The first objective is Lima, via the dusty seaport of Callao. Lima, the pinnacled “City of the Kings”, was built by Pizarro around the Plaza de Armas, where we find there is still much for us to conquer. Here, better than in any other city of the continent, the undoubted glories of Colonial Spain have withstood the papier-mâché transformations of the Twentieth Century. The portly cathedral mothering its many altars, and the University of San Marcos, the greybeard of schools in this hemisphere, throw an old world glow over the square. In sharp contrast is the Confiterie Marron, where we can enjoy the movies (in sound, in English) during the cocktail hour, or the terraces of La Cabaña on the brow of a quiet lagoon. And for the night we go to the Bolivar—a title for the local hostelry as prevalent as is the Grand Hotel in Europe—which commands a view of the implacable Andes, rivalling that of any vista in the Swiss Alps.

No railroads run north and south across the craggy spurs of the mountains. The tourist, after Lima, embarks from Callao and sails further down the coast to Mollendo. For up in the mountains beyond Mollendo and Arequipa lies Cuzco, city of emperors, whose first stones were laid by the mysterious Chimus, a race more ancient, more noble, even, than the Incas.

Perhaps, on the way up from Mollendo, you will lunch in Arequipa at the famous inn of Mrs. Bates, which is the rendezvous for South American Bohemians. But aside from the meal at “Tia Bates,” Arequipa is merely a whistle station between the seacoast and Cuzco.

Cuzco is built upon ruins where once the twelve million “Children of the Sun” had their capital. Some of the houses now topped by stucco, grilles and balconies of the Spanish régime clearly show the ancient foundations of the Inca times. The wonder work of ancient construction is the Sacsahuaman Fortress built of giant blocks of flint that have held together, without mortar, through ages of erosion. Where the huge stones came from, how they got there, is an archeological mystery. Although Cuzco was an important city in Spanish Colonial days, the population of today is largely Indian. Not the stalwart specimen that faced Pizarro, but a bare-footed, poverty-stricken peasant, forever listless from chewing coca leaf.

We have more than Peru to conquer, and so we journey on to Chile, land of snow-topped peaks and beaches that combines at once the splendor of St. Moritz and the seaside charm of Monte Carlo. Valparaiso is the port of call, but to literally get in the swim we must go to one of the near-by spas, say Papudo, Zapallar, or the now famed Viña del Mar. Here are (Continued on page 33)
FLOWERS which are being cut for the house will last better if their stems are immediately placed in water, thus preventing air entering at the cuts and forming a barrier to water absorption. Many perennials self-sow freely and with some, such as Phlox and Columbine, the resultant seedlings are generally inferior. Therefore, remove all seed before it is ripe.

New Rose and Peony beds may be prepared now so they will have time to settle before planting time. September is the ideal time for planting Muscari, Crocuses and the smaller Daffodils. And speaking of hardy bulbs, better get your order in at once, as shortages are likely to develop, due to heavy buying and a somewhat curtailed foreign supply.

HRUBS such as Boxwood and Privet, which are sheared as formal hedges or in topiary forms, can now receive their final trimming for the year. Good, reasonably rich soil is as important for the proper growth of shrubs as for any other kinds of plants. The results of providing it will be well worth any trouble and expense which its preparation may entail.

One of the showiest of the Fall fruiting shrubs is Euonymus atropurpurea, the Burning Bush. Its pink and scarlet fruits are an unusual color note in October and November. Sometimes it takes on the habit of a small tree and may grow 18' or 20' high. Fall pruning of shrubs should generally be limited to the removal of old, injured or unproductive wood.

TREES on the lawn should have the grass close to their trunks clipped by hand, since a mower is apt to knock against and injure their bark. If the weather is very dry, abundant watering and especially fine foliage trees will help to prolong the life of their leaves. Though ornamental tree spraying is practically over for the season, it is well to keep an eye out for the depredations of occasional late insect broods.

Deciduous tree planting should be postponed if possible until the leaves fall, but small specimens can be moved now if special care is taken to water them abundantly. Trees of doubtful hardiness that normally grow in wet or at least damp locations frequently will withstand an otherwise fatally severe Winter if they have been moved to soil conditions which are more dry and well drained.

GENERAL garden crops which are to be stored for Fall and Winter use, such as Apples, late Pears and root vegetables, should be examined to be sure they are sound and will not spread decay. The prevalence of ants this season suggests the reminder that carbon disulphide is one of the best exterminators for these kinds which establish large colonies underground. Outdoor plants of various kinds, which are to be brought indoors for Winter use, should be transferred now to the pots or other containers in which they are to be kept.

Winter feeding stations for the birds may well be put in place now so that some of their future patrons can become used to the sight of them. Actual feeding, of course, need not start for another couple of months.

"LOOKED at in practical figures, as ye might say, Joel Chandler's farm up on the side of Old North is 'bout fifteen acres o' high pastures and nigh two hundred o' first-class hardwood an' Hemlock. But to Joel an' some o' the rest of us old squ'rs hereabouts it's a good deal more'n that, specially when September weather comes. Ye see, it's thisaway:

"The Chandler house kind o' sets back under three whoppin' big Sugar Maples, their leaves all red an' pink an' green mixed in together. Uphill a ways there's a long outcrop o' gray granite with scarlet streamers o' Virginia Creeper acrost it, somethin' like ribbons. To the west the land drops down an' down, pasture an' wood-lot an' medder, to Birch Holler Brook an' Taylor's Millpond. T'other side o' the Valley, through the Gap, Cedar Mounting sets like a rifle sight lined in the notch o' the hills. Twenty mile away she is, as the crow flies—twenty mile o' clean country air an' sunlight an' the fresh, warm breeze of early Fall.

"Kind o' simple an' quiet-like? Yep—an' that's what does a heap o' good, sometimes. I've an idee that if more folks could set under Joel Chandler's Maples an' watch the hills an' the valley an' the haze away on the horizon the world wouldn't be near so crazy as she seems to be today."

—Old Doc Lemmon
"HAPPY BIRTHDAY to you"—and in the youngsters troop with their parcels—and their appetites. "For", say they, "what's a party without good things to eat?" And they're right... So now to the table, and—bring on the soup! For there's a dish hungry children always take to with a vim. Ice cream and cake and party things of course—but also give them one simple hot sustaining soup. Mothers everywhere know how eagerly youngsters go for that good Campbell's Chicken-Noodle, with its golden egg noodles and tender pieces of chicken in a delicious broth... Or if it's Campbell's Vegetable Soup, they take just as eagerly to its delicious vegetables and tempting beef stock.

AND TO GIVE a zest to grown-up appetites, what is more effective than a tempting soup with downright good eating in every delicious spoonful? Sets a dinner off to a good start—and on the way to a fine finish. For example, there's Campbell's Pea Soup—a smooth purée of sweet, nutritious peas, blended to perfection with fine table-butter... Or Campbell's Consommé—a consommé that will do you credit, and of which you will be proud... And these are but two of twenty-one delicious kinds in all. How many have you tried?
A NEW LUXURY FOR WOMEN WHO BELIEVE IN COMFORT...

Super-Soft

ZEPHYR BLANKETS

Like to breakfast in bed? Then you're the one we had in mind when we created Zephyr, a luxurious super-soft blanket by North Star that does far more than cover you up. It graces you up... and your bedroom too! Zephyr offers you a choice of 12 charming colors, and white. It is tailored to tuck you comfortably in a single or twin bed. And it doesn't cost as much as you'll guess when you see and feel it.

Other fine North Star Blankets, starting with baby sizes, are being featured by all good department stores. See them!

FOR OUR READERS' INFORMATION

The items shown on the editorial pages of this issue of the magazine are sponsored by the following firms:

Fall Coloring, Pages 38 and 39

1. Georgian Living Room

Furniture: Georgian mahogany.
Wallpaper (3 walls): Spring Song, washable—Imperial Paper & Color Corp.: Wolf Bros.
Carpet: beige Pekhiletex broadloom—Firth Carpet Co.: B. Altman & Co.
Draperies: powder blue from F. Schumacher & Co.: Bello, Inc.
Matching fringe from Consolidated Trimming Corp.: R. H. Macy & Co.
Glass Curtains: chartreuse taffeta Lamballe from Johnson & Faulkner: McMillen, Inc.
Overstuffed Chair: covering of ivory silk diamond design from H. B. Lehman-Connors Co.: Bello, Inc.
Green fringe from E. L. Mansure & Co.: Bloomingdale Bros.
Sofa: covering of brown textured check from H. B. Lehman-Connors Co.: white welting: Bello, Inc.
Fireside Chairs: covering of chartreuse and brown candy stripe from Peter Schneider Sons: Thedlow Decorators.
White woodwork and ceiling; fireside wall white paneling.

2. French Provincial Living Room

Furniture: amber walnut.
Wallpaper: Rice Field—Imperial Paper & Color Corp.: Wolf Bros.
Draperies: strié silk taffeta from Schwarzenbach. Huber Co.: Kirtland & Wolff, Inc.
Fringe of gold, beige and eggshell from Consolidated Trimming Corp.: Bloomingdale Bros.
Glass Curtains: DuBarry silver bar silk gauze from Peter Schneider Sons: Thedlow Decorators.
Chair and Sofa: covering of printed linen from Glendale Linen Co.: Lord & Taylor.
Armchair: covering of pink cranberry with boxed fringe of red from Consolidated Trimming Corp.: B. Altman & Co.
Chairs: covering of burgundy, chartreuse & gray from Cohn, Hall Marx Co.: B. Altman & Co.
Woodwork, fawn: ceiling, paler fawn. Doors, black. picked out in fawn and white; baseboard, marbleized black; mantel, black marble.

3. Georgian Dining Room

Furniture: Georgian mahogany.
Wallpaper: dark blue Whimsy from Richard E. Thibaut, Inc.
Draperies: pale blue Acet silk damask from F. Schumacher & Co.: Bello, Inc.
Glass Curtains: satin stripe Ninon in ivory from Celanese Corp. of America: Lord & Taylor.
Fringe from E. L. Mansure & Co.: Wanamaker's.
Chair Seats: covering of striped fabric from Orinoka Mills: Lord & Taylor.
Woodwork, dado and doors, oyster white. Ceiling: pale jade green with plaster cornice.

4. Maple Bedroom

Furniture: maple.
Wallpaper: print from Thos. Strahan & Co.

(Continued on page 72)
Do You wake up Purring—or Growling?

A BEDTIME STORY BY SIMMONS

- Picture of a woman after she has gone to bed on a badly constructed mattress. She can’t seem to relax. She’s trying to count herself to sleep.

- After half an hour of tossing and turning, she’s still wide-awake and trying the book technique. Eventually she’ll drop off to sleep from sheer exhaustion.

- The next morning! She feels worse than when she went to bed. There’s a tired spot at the base of her spine and another between her shoulders. Her head aches.

- Complete lack of emotional control—spilled breakfast food is a major offense after 8 hours of disturbed, broken sleep.

- Poor sleep robs your nerves and muscles of calcium—you become irritable, less efficient

If you were kept awake long enough, science says, you would lose all control over your muscles and your emotions, would finally die.

The reason is that, during bodily activity, calcium is transferred from your nerves and muscles to the blood stream. And only during sleep is it restored to the nerve and muscle tissues.

If your sleep is broken and disturbed, if you are continually waking up tired and cross, check your sleeping equipment at once—it is probably faulty.

You need for complete calcium recovery of the nerves and muscles each night sleep—full, deep.

Simmons Beautyrest Mattress is scientifically constructed to LET YOU SLEEP. Its 837 separate coils instantly adjust themselves to your body at every point of contact. You float off easily, quickly, to deep, calm slumber on its 837 “floating-action” coil springs.

See how it feels to wake up “ready to go” with nerves and muscles fully rested. Let Beautyrest do this for you. The cost is only $2.50 a day! Ask about it at any leading furniture or department store. Simmons Co., Merchandise Mart, Chicago, Ill.

THEN SHE CHANGED HER MATTRESS

- Now she wakes up happy as a lark—it’s just as easy to feel this way—after a night of deep, refreshing sleep on a Beautyrest.

SIMMONS Beautyrest

WORLD’S LARGEST MAKERS OF BEDS, SPRINGS, MATTRESSES, STUDIO COUCHES, METAL FURNITURE
MODERN MAGIC FOR TIRED ROOMS

Defeat the gloom of winter by brightening your rooms with fresh and charming wallpaper. Redecorate now with one of the enchanting patterns from Imperial. Through constant laboratory research Imperial has made wallpaper which is actually guaranteed washable and fast to light. Yet, Imperial papers retain the soft, deep tones of true water colors so essential in fine wallpaper. Ask your paperhanger or decorator to show you Imperial Washable Wallpapers. They are priced to suit you. Be sure to look in sample books for the silver label that always identifies genuine Imperial.

JEAN McLAIN will help you with your decorating problems. Her advice is free. Write to her, giving full details. She will send you samples of wallpaper and tell you the most convenient place for you to see and buy Imperial.

Address JEAN McLAIN, Dept. K-6, Imperial Paper and Color Corp., Glen Falls, N.Y.

FOR OUR READERS’ INFORMATION


Curtains: ivory net from Bartmann & Bixer; Lord & Taylor. Light blue crash valance with tie backs bound in darker blue from Consolidated Trimming Corp.; B. Altman & Co.


Dressing Table: ivory net from Bartmann & Bixer; Lord & Taylor. Valance of blue crash from Consolidated Trimming Corp.; B. Altman & Co.

Dressing Table Chair: covering of blue crash from Consolidated Trimming Corp.; B. Altman & Co.

Bedspread: shaded blue candlewick from Bates Fabrics; James McCrery & Co.

Chaise-longue: covering of green stripe from Howard & Schaffer; Westport Antique Shop.

Armchair: covering of green crinkle satin from F. Schumacher & Co.; Bello, Inc.

Woodwork: ivory.

Furniture shown by courtesy of Kaplan Furniture Co.; Robert W. Irwin Co.; Charak Furniture Company; Mueller Furniture Company; Heywood-Wakefield Co.; and Geo. Borgfeldt Corp.

PARIS INTERNATIONAL EXPOSITION

But the French have never entirely relinquished Victorian colorful bedding in parks and now this fondness, slightly changed, appears in small Exposition gardens. Some of them are patterned in wide strips of white and blue Plumbagino, Paris, which never does anything by three-quarters, has gone Begonia mad and they, with Dusty Miller for gray contrast, furnish most plant material in patterned gardens. Three of these lie side by side, each with a pool at the end terminating in decorative bas-reliefs. These gardens are patterned in wide strips of white Begonias, gray Dusty Miller and Plumbago, or Begonias, Plumbago and grass.

The choiciest garden in the Exposition is a small formalized Alpine meadow. Bordered by a planned wall faced down by dusted evergreens, prostrate Cotoneasters and ferns is the flat area where Alpines grow in irregular naturalistic drifts.

The topiary art

The French, of course, surpass the world in espalier fruits and pleached shade trees. The former are beautifully displayed in all types, designs and heights. Apples and Pears are espaliered in high walls and fantastic chairs, arcades, umbrellas, even turrets. These can well be copied to give American gardens an amusing touch as well as choicer fruit. The horticultural exhibits tend to collections and Japanese Maples and groups of odd form evergreens indicate an increase in collectors’ gardens, while Cactus displays and the wide interest in them promise a maintained popularity of succulents and decorative house-plant forms.

By way of decoration there are garden gates of green iron with simple chromium decorations, as well as much plain wood, oiled and varnished. The gardens of formal design are all embellished with statuary, some of rough stone, some polished, others gilded. The gilded statuary is especially effective as a focal point before masses, clipped evergreens.

Throughout, the general garden tendency is for formal color display, with no more riots of heterogeneous hues.

FOR EASIER LIVING

So much for the arts of living. But the theme of the Exposition is "Art et Technique"—technique concentrating mainly on household mechanisms though it might include such devices as the use of ramps in houses instead of stairs. It is clear, however, that the essential technique of modern living is the concentration on space and equipment for outdoor sports and games, since all Europe seems sports-mad and sun hungry. Glass walls and wide flat roofs, terraces and verandahs prove the desire for sun and for bringing outdoors indoors. This is clearly interesting to observe here, for while the tendency of the architecture, both of houses and gardens, is geometric and formal, the tendency of living is free and informal. If the Exposition proves anything it is that the more abundant life is to be achieved by more time for play, created by easier and more convenient household building and equipment.
CLEANING AIDS. Back row, left to right: vacuum cleaners from Westinghouse, Hoover, General Electric. Center row, left to right: Lincolnwood radiator duster, Squeeze-Ezy mop, Bissell carpet sweeper, O’Cedar mop, Bates rubber broom mop, Lincolnwood floor duster. The front group includes: Kellogg brushes, Lincolnwood Venetian blind duster, Johnson’s wax, Old English wax, Bon Ami, Lux soap flakes, Wright’s Silver Polish, Baker’s Old World furniture polish, Charak furniture polish, O’Cedar polish.

4. The soft mellow appearance of old pewter can best be renewed by rubbing it with steel wool #00 and oiling after it has been washed and dried.

5. Sunshine is still in a class by itself as the great cleaner and purifier. Feather pillows, blankets and draperies react as you would to a day in the sun.

REFURBISHING

Probably the most tempting job in the refurbishing line is doing up the closets. The practical value of having well-equipped clothes space is obvious but it’s its decorative possibilities that make closets more than bins.

1. Zippers and snaps on the fanciest closet fittings make them easy to clean and wonderfully practical.

2. Transparent boxes of all sorts, sizes and shapes are perfect for storing hats, gloves, shoes and handkerchiefs. Being able to find that brown hat at a glance can only be matched by the real protection of these boxes.

3. Garment bags, varying in size, are now well designed in many new materials. With the groping and tugging that was needed to remove clothes from the early models eliminated.

There are hat stands, shoe bags, lingerie cases and special hangers designed to keep your clothes in the most practical manner.

With the clothes and linen closets bedecked, some attention should be given to the utility closets of the house.

1. The increased storage space which well-planned shelves and racks will provide justifies a conference with the local carpenter.

2. The grim necessity of keeping woolens safe from moths makes tar paper bags, and moth-proof cabinets with roll-up fronts, a good investment.

3. A special paint which gives off the odor of cedar can be used to finish the interior of these closets.

The satisfaction of rubbing, polishing and bringing out the glow of fine woods and old furniture makes this refurbishing a pleasant task. A new sheen and depth can be given to the finish of many pieces and unsuspected color and texture developed in others by careful polishing. There are new polishes especially made to be truly worthy of a fine wood as well as the old familiar lemon oil for bringing out the best in the grain. The upholstery and old fabrics used in fine furniture can also be cleaned and renewed by careful use of the excellent upholstery refurbishers that are now sold.

For safety as well as increased wearing qualities, special cushions should be fitted under rugs and carpets. Small rugs can be skid-proof if fastened with special anchoring devices.

A careful check of linen hampers, towel rods, lamp cords, door and window locks, Venetian blinds and other miscellaneous equipment should be included as you survey your house before opening it for a new season.
The "Whistler" Wallpaper
... to re-create the charm of a great artist's home

An extraordinarily faithful reproduction of a paper found in the old "Corner House," Stonington, Connecticut, built in 1652, one-time home of the artist, James McNeil Whistler. The delicate, damask-like design and subtle color tones provide a significant background for well-planned decoration.

This fine "Whistler" paper, #7427, painstakingly reproduced by Strahan, is a representative example of technical mastery in the manufacture of the finest wallpapers. In every Strahan paper exceptional quality of color and material, as well as authenticity of design, is accepted tradition.

INTRODUCING CONDITIONED LIGHTING

Domesticated spot lights can focus light of any desired shape on wall decorations or paintings, or on special pieces or groups of furniture. They offer a new solution for lighting the dining room table and the grand piano time, luncheon finds a lonely board, but in the evening at dinner time under artificial light the family has its daily reunion under relatively leisurely circumstances. A bedroom is scarcely noticed during the morning rush, but when a switch is snapped on at night the occupant has time to enjoy the room.

The first step, then, is to plan not for daylight alone, but for the effect under artificial light as well. In this connection regard the ceiling with special consideration. In the daytime the natural light coming in illuminates the furnishings and walls first so that the ceiling could be white, yellow or blue without any great difference in the lighting results. But artificial indirect light would strike the ceiling first as the chief reflecting surface. Therefore not only the ceiling color but...

Continued from page 62)

Below: The decorative urn in this stairhall niche provides even light distribution with no glare on the staircase. Thomas S. Kelley was lighting consultant.

LEFT: This new Daray floor lamp from Lightolier, with its ivory-colored glass bowl, furnishes both direct and indirect light.
the texture as well is important because a smooth, matt surface will be a better reflector than a rough one.

There are some fundamental observations made by lighting experts on the effect of colored light, using daylight as the standard for white light. One is that the color of any pigment is true only under white light. In other words, the slight yellow cast of the light from the standard bulbs should be taken into account. Realize, too, that the color of any light will seem to be brighter when it falls on a surface having the same color, and duller when falling on a complementary color. To illustrate: amber light illuminating a blue wall will change the color to a poor gray.

The lighting expert has long known how to aid the theatrical producer in selecting certain objects or areas for either emphasis or suppression. The same can be done for any room. A room can be treated with artificial light in the same way as a painter treats a canvas, except that in a room there should be no sudden, sharp contrasts, for these emanate only from brilliant light sources. As pointed out before, the latter cause eye discomfort. Then, too, in studying a room the type of lighting should be chosen which is sympathetic to the purpose of the room. For example, it is obvious that the glitter of a crystal chandelier is appropriate to formal rooms because it is consistent with the brilliance of evening gowns and jewels, rather than for the room which is used as a quiet, restful retreat.

The third consideration—comfort—is perhaps the most important of all lighting considerations. The first essential is that there be adequate illumination for the particular purpose. You can borrow or buy a little light meter which will give you some idea in readings of "foot-candles" as to the sufficiency of your present lighting. For stairways, halls and general circulation there should be two foot-candles; in rooms used for conversation, dining and reading activities at least 5; and, for reading and precise work, twenty to fifty. Each room should have a certain elastic range because elderly persons require more light than the middle-aged, while for persons of the same age, those with eyes having small refractive errors need far more light.

HOW TO DO IT

"It's all very well to talk of 'conditioned lighting,' and explain why it should be recognized as a vital part of a home which is to be livable and comfortable in the true sense. But how can it be achieved? My dining room has a central fixture, as has the hall. All additional illumination in all other rooms comes from wall brackets or lamps. If we decide to rejuvenate our color scheme, or if we decide to build a new one, what additional units are there with which we can work?" These questions will be asked and answered countless times in the next ten years.

The lighting units of a house may be divided into those useful, and those secondary or decorative. The first group includes hanging fixtures, wall brackets, i. e. S. and portable lamps, such as there are in every home. In selecting these the chief points to remember are: ceiling lights should send the light down at such an angle that it will not shine in anyone's eyes; wall brackets should emanate light both up and down, and the fixture when lighted should appear no brighter than the wall; portable lamps should direct some light upward but still more downward, but shades should not be opaque. Indirect lighting should be used to the exclusion of direct lighting only where no reading or precise work will be done, such as halls.

DECORATIVE LIGHTING

Secondary or decorative lighting has recently flowered into fresh and elastic forms. The chief types are cube lighting—continuous panels near the ceiling, panel lighting—separate panels in various horizontal or vertical positions; and spot lighting—concentrated light, as the name indicates.

Cove lighting, which designates a series of bulbs placed in a reflecting trough, throws an even distribution of light over the ceiling. In all cube lighting it is important to have reflectors or the individual bulbs will make uneven, glaring spots. Sometimes structural or translucent glass so covers the reflector that some light may be reflected or diffused downward. This type of lighting can be invaluable where murals, scenic wallpaper, or library shelves are to be illuminated.

Panel lighting presents a broad source of low luminosity, being glass panels on about the same surface as the wall or ceiling where they are located. The glass in front of the bulbs can be frosted, highly decorated or carved. The possibilities are legion, and offer one of the greatest fields for development. Under this classification should be listed the elongated panels which can effectively be used above a door or window, particularly above an exterior door. There should also be included the glass "ceiling" in a corner cupboard in a dining room, or in a cabinet with bibelots or books. Panel lighting could also be located in the top surface of a cabinet to illuminate an objet d'art. Glass bricks offer new opportunities, such as in screening continuous radiation and using some illumination behind the bricks, as Donald Deskey has done for a Chicago penthouse bar.

Spot lighting has long been used on the stage, and for the last few years for the purpose of lighting pictures. The so-called "picture spot light" designates an objective lens like that used for showing lantern slides, and permits the light to be limited to an absolute edge of a picture, a dining room table or a bridge table, etc. Another form of spot lighting employs lenses which direct the light into the useful zone, and has the advantage of having soft edges of light. The spot light unit can be had for about $25, and should be enclosed in a metal cubical box about 12" on a side. This can be built into a room by being recessed in the ceiling or even the wall. The light can be controlled so as to be of any desired intensity and, what is more, of any desired shape (square, oval, etc.). The spot light directed to

(Continued on page 76)
always IN FASHION... ALWAYS

The simple beauty . . .
tasteful design . . . authentic
details of Old Colony pieces are some reasons why
this livable furniture is, and
always will be 'in fashion' . . . why it is appropriate for
so many homes today.

APPROPRIATE . . . AND

The quaint designs of Old Colony Furniture enable you to create distinctive 'decorative' touches throughout your home. And . . . the warm, mellow finish wears gracefully through the years.

ALWAYS DISTINCTIVE

Old Colony prices are reasonable, too. Most of the better furniture and department stores show Old Colony Furniture.

INTRODUCING CONDITIONED LIGHTING

(continued from page 59)

a crystal chandelier can make it sparkle much more brilliantly than if it were itself lighted.

In a new house none of these lighting units is in the least difficult to install. Even in the existing house the problem is not as involved as you might imagine, for electricians are ingenious mechanics, capable of "snaking" or pushing electric cables and wires between walls, along ceilings between joists, or dropping them down from the attic. The installation of switches will probably necessitate the re-decoration of the walls after patching there and here where there has been done. Modern life is so intensively lived that whatever will make restful and restful and comfortable at the end of the day will be worth the cost. Certain it is that conditioned lighting will pay dividends in better eyesight, reason enough for giving the subject unconditional consideration.

WINTER PROTECTION OF EVERGREENS

As of the falling leaves and foliage, brilliantly colored before their departure, the evergreens stand out like the proverbial hope eternal, and we enjoy their assurance that they will be with us throughout the Winter season. It is no more than fair that we consider the struggle which they have to remain green all year round, and help them.

The Winter is to plants not only a season of cold temperature; it is also one of physiological drought, as no moisture can be taken from the frozen earth. Decisive plants suffer less from this condition for their branches are bare of leaves and they spend the Winter, more or less, in a dormant state. The evergreens retain practically the same foliage surface through all the seasons.

During the Winter, when most of the moisture they receive comes from above ground, it is that same lovely foliage which constantly evaporates a lowered moisture supply within the plant's system. After a dry Summer season such as we sometimes have in many parts of the country, the usual Winter drought will take its toll. A thorough watering before cold weather sets in will help immensely.

Just a sprinkling with the hose will do no good; the soil around the roots must be soaked thoroughly and deeply. For this purpose it is wise to form a basin of the soil around the plant, at least large as its outline. This should be filled with water several times, so that the under layers of the soil will be thoroughly moistened and can handle the question of water supply when the upper layers have retired to a hard, frozen state. After the watering, a mulching with some porous material, or Japanese Boxwood (Buxus japonica). The latter, while not so compact in growth as our southern Boxwood, is a sturdy substitute. If we are to be frank with ourselves, it must be admitted that the Colonial Boxwood, entirely covered for the whole Winter season, is a sturdy substitute. If we are to be

GARDNER, MASSACHUSETTS
An inspired new idea in smart contemporary

Now at last you can get unit-planned rugs, draperies, and upholstery fabrics

Here is an entirely new development in interior decoration—a new trend of major importance. ★ First of all, Townhouse Rugs, decorator-designed, in the contemporary manner! You will admire their fresh beauty, their eminently livable qualities. Patterns of smart originality, ideal for both modern and traditional rooms, have been worked out in needlepoint, blondes, delicate pastels, wood tones, and charming self-color effects—a brilliant assortment. ★ Loomed by master craftsmen from the very choicest, silky-soft wools, Townhouse Rugs are deep-piled, luxuriously cushioning. Yet they are priced at only $149.50 for the 9 x 12 sizes, with others proportionate. ★ Then harmonizing with Townhouse Rugs, created especially to accent their designs, colors—are Fieldcrest Decorative Fabrics, of wide, representative range. Some of them pick up the design of the rugs, while all are of completely blended tonality. Some, like Coptic Cloth, luxuriously heavy bodied, are Fieldcrest exclusive originalations. Even groups such as the woven mohairs, hammered satins, rich brocatelles, and printed linens, are styled with smartness and effect decidedly unusual. ★ Thus, “shopping around” guess-work, and the tribulations of minor compromise become a thing of the past. For here for the first time—the very first time—are completely harmonized ensembles. ★ You or your decorative consultant will welcome the opportunity to create whatever personal combinations you prefer. Leading stores are just now introducing the complete ensembles. ★ See these Fieldcrest ensembles—now—while they are making news!

FIELDCREST TOWNHOUSE RUGS
Woven by the Karastan Rug Mills
FIELDCREST DECORATIVE FABRICS
Products of Marshall Field & Company, Manufacturing Division
IF YOU'VE ever seen a bathroom with walls of Carrara Structural Glass, you know that it's a room to be proud of. A room that has a personality and a quiet, rich elegance all its own. The kind of room you can show to your friends and know beforehand the enthusiastic praise (and the pleasant envy) it will arouse. It is permanent, easy to clean with a damp cloth. And it is beautiful, with the lustrous, mirror-like beauty which only a mechanically ground and polished structural glass can achieve. For people who take pride in their homes, who desire to live in a house as lovely, modern and practical as their means allow, a bathroom or kitchen done in Carrara is a dream come true. We urge you to write us for our illustrated brochure, "Personality Bathrooms and Character Kitchens," which contains complete information. Pittsburgh Plate Glass Company, 2326 Grant Building, Pittsburgh, Pennsylvania.

CARRARA
The modern structural glass

A study in bathroom beauty is this Carrara room in the home of Mr. and Mrs. Frank H. Stephenson, Pittsburgh, Pa. The Ivory Carrara walls and ceiling, the Black and Jade Carrara trim combine to create a lovely setting for the fixtures. Note the smart plate glass shower doors, and the convenient shelves placed in a Jade Carrara wall recess.

As Dr. Nicolas explains in his preface, this is not a book on Roses, but a study of his own wanderings over a period of twenty years in the several sections of Europe. While Rose-growing is practised as a fine art, and where the successful hybridizers and introducers of new varieties have been recognized as a citizen of national importance in his own country, and honored with decorations and medals.

Dr. Nicolas begins the tale of his wanderings—the Odyssey—in France, the country of his birth and ancestral home. Thence, with a brief side trip to Switzerland, he takes his readers to Italy; and then, in succession, to Spain, England, Ireland, Holland, Belgium, Germany and Denmark—with occasional loops back into France.

While he tells a running story of many things historical and happenings of Mendel. The closing forty pages are made, notably those from the publication and inspired surmise in which he is committed.

The scientific results of his tours, centered upon the notable successes made by experimenters abroad, are gathered into a few brief chapters toward the close of the book. The chief conclusion reached (largely through suspicion, it would appear) was that the authority of the Rosarian, and the fertilizers used to enrich it—

The scientific results of his tours, centered upon the notable successes made by experimenters abroad, are gathered into a few brief chapters toward the close of the book. The chief conclusion reached (largely through suspicion, it would appear) was that the authority of the Rosarian, and the fertilizers used to enrich it—and which thus became, for scientific purposes, a part of the soil—had a very powerful influence on the qualities of the bloom put forth by the Rose bush under experiment. Dr. Nicolas, however, does not hesitate to record facts which seem to shake his accepted theories, if not to completely upset them. Apparently, it does not occur to these firm believers in soil and fertilizer chemicals that when they put these substances next to the roots of a Rose bush, it does not necessarily follow that the "patent" parts thereof. In all it is just what happens to plant growth, nothing is plainer than that a plant has the capacity of choice as to what it will accept by its root system, and what it will reject, and what disposition it will make of some substances it admits—in some cases simply to obtain the water in which the chemical was dissolved, so far as one may judge; when he finds the chemical packed away in neutralized storage cells after the life of the plant is ended.


Let us tell you more about the Leipzig Trade Fairs and what they have to offer you. The 1938 Spring Fair opens March 6th. Why not plan now to attend F. W. March 6th, 7th, 8th, 9th, 10th, 11th, 12th to the Great Engineering & Building Fair.

Leipzig Trade Fair, Inc., 10 East 40th St., New York.

ALSO—The Great Engineering & Building Fair—March 6th to 12th.

These toys and furnishings for a modern nursery won the praise of many of the 250,000 buyers and business executives from 72 countries, who attended this year's Spring Trade Fairs in Leipzig.

Whether the interests be toys (581 firms feature toys, games, etc.), furniture, lamps, arts and crafts—or any of a thousand and one other lines—executives and buyers for department and specialized stores find a visit to the Leipzig Trade Fairs particularly valuable. Here, in less than one week's time, they see and examine the very latest offerings for their particular line—from the entire merchandise world. Many of the 6,000 exhibitors from 25 countries (in the General Merchandise Fairs) use the occasion of these Fairs to first introduce their latest items—new numbers, new styles, new materials—all six months before they spread to the rest of the world.

The author-artist jars us out of the (Continued on page 80)
How to Choose and Care for BLANKETS

Tips from the pages of the New Kenwood Blanket Book

LIVE NEW WOOL is essential to warmth. For simple tests that indicate whether a blanket is made of live new wool, see page 2 of the Kenwood Blanket Book.

STRONG, FIRM WEAVE is essential to wear. For simple tests that indicate firmness of weave and wearing qualities, see page 3 of the Kenwood Blanket Book.

EXTRA LENGTH for tuck-in is essential to extra sleeping comfort. For correct blanket sizes for all types of beds, see page 4 of the Kenwood Blanket Book.

CORRECT WASHING will keep good blankets looking like new. For full directions for blanket care, see pages 14 and 15 of the Kenwood Blanket Book.

KENWOOD FOR GIFTS are a compliment—their luxurious quality and their lasting loveliness will make them long remembered. For appropriate gift suggestions for all occasions, see list on page 12 of the Kenwood Blanket Book.

Send for Your Copy of This Blanket Guide

It is your guide to blanket satisfaction. Beautifully illustrated in full natural color, packed with the kind of practical information you want in choosing blankets for your home and for gifts. Prepared by the Educational Department of Kenwood Mills, famous for quality wool products. To get your copy of this book, simply send coupon, letter, or postal.

This label is the mark of quality on men's, women's, and children's clothing—on blankets, bathrobes, and bathroom rugs.

HOUSE & GARDEN'S BOOKSHELF

(continued from page 79)

blen- pilation. An equal number of varieties not grown in the United States, also gain a place among the known and recognized cone-bearers.

Much the larger part of the book is distributed into over forty chapters of the varied information which one must have to succeed in growing the conifers from the seeds onward—so divided and arranged so to be promptly available in any circumstances.

A further charm in this inestimable book is the profusion of plates showing the various families in color.

The book closes with a list of the fifty most important works on evergreens which have been published in the English language, any extreme rarity of the first edition—record of a moment to librarians entirely apart from the subject matter and a fully adequate index to the prodigious amount and variety of information in the preceding pages.

NOTES ON DAFFODILS

Out of a collection of about 200 varieties of Daffodils growing in my garden this spring, I have selected the following that appealed especially to me. They are planted in various locations—under the lee of protecting walls, broadcast beneath old Apple trees, in open sunny stretches and mingled democratically with other flowers in the borders.

Orange Beauty—excellent for masses of effect in not too windy a place.

Edina—to prevent the sulphur of its trumpet bleaching, plant this in shade.

Stella Pratt—belongs to the top flight of Daffs for the robustness of its orange cup, crinkled all the way down and the color laid on heavily, and for its sulphur perianth.

Mrs. Barclay—most refined and dainty, with the tinge of orange on its cup.

March Sunshine—this should be massed in quantity for a really striking effect.

Twink—while some previous Daffodil fanciers turn their noses up at doubles, I still proclaim my devotion to this t A Native American—hood.

Endor—a good, sound yellow trumpet.

Olympia—with its long tubular frilled trumpet I would class among the "tops".

Nobility—still has qualities and is all it implies when well grown.

Muriel Evans—a yellow trumpet in which the trumpet seems out of scale with the perianth.

Gracie—in abide for its mingling of orange and yellow.

Dunoon City—has good scale. I like it immensely for the substance and disposition of its perianth segments.

Dorine—the orange of its cup is penetrating even at a distance.

Copper Bowl—this, too, is a top-flight Daffy, I like the openness of its cup.

Fortune—which has given so many good seedlings, is still noble in itself, not alone for its color but also for its well-balanced scale.

Red Cross—another "top", with scale perfect and delightful blending of color from orange to sulphur of Cecily—one of the good whites.

Winsome—another good white.

Louis Capet—I admire for its daintiness.

Daisy Schaefer—is this among the tops in my selection.

White Sentinel—one of the noble Narcissus, a white aristocrat.

Beersheba—belongs to the same class.

Lord Acton—a pleasing, clear yellow trumpet.
Ferns, Palms, Palmettoes and a host of other native plants furnish the gardener in the Tropics with a wealth of material. As a rule, it is better to use these indigenous plants than to introduce species from the North. Care must be taken not to over-plant, for tropical growth is luxuriant, as here in the Peter H. B. Fedinghuyzen garden at Palm Beach, Florida.

Around the pool in another Florida garden a strikingly tropical effect is provided by tall, close-standing groups of Bamboo, their feathery foliage echoed by that of the clumps of Papyrus growing in the water. Besides this tree type of Bamboo, there are other species some of them almost vine-like in character.

In very many instances the natural existing growth of the jungle can be utilized for the larger effects of an informal plan. Here is a case in point, where all the trees were already in existence and only rigorous thinning out and draining of the land were necessary to open the way for the long Olivia-bordered walk.

NO PLASTER CRACKS with WALL-TEX — and it’s honestly washable

- When 88 out of 100 families are disgusted with plaster cracks, as brought out in a recent survey, something should be done about it. Many people are doing this: "I gave Wall-Tex a trial in one room first and now there isn't a crack in my walls or ceilings. I assure you my entire home will be done in Wall-Tex."

Wall-Tex, the wall covering with the canvas base, strengthens walls and invariably eliminates the plaster crack nuisance. More than that, its beautiful surface in time-resisting colors can be washed absolutely clean. No need to let your walls stay soiled. You can have fresh, clean, sanitary wall coverings from one year's end to the other, for Wall-Tex is honestly washable with soap and water. Remember, there are many degrees of washability. Make sure the wall covering you are considering will stand the real test — soap and water washing!

Dozens of distinctive Wall-Tex patterns are available in rich textures and colors for every decorative plan. See their remarkable beauty. Feel the durable fabric. Mail the coupon.

WALL-TEX
DECORATIVE WALL CANVAS

SEND FOR FREE PORTFOLIO

COLUMBUS COATED FABRICS CORPORATION, Dept. HG-97, Columbus, Ohio

Send me Wall-Tex portfolio with color illustrations, including Wall-Tex swatches.

Name

Address

City and State

For free samples of WALL-TEX, send to:

COLUMBUS COATED FABRICS CORPORATION

PSIXH... Blodouo...

WALL-TEX... Blodouo...

Send for free samples of WALL-TEX, send to:

COLUMBUS COATED FABRICS CORPORATION

PSIXH... Blodouo...

WALL-TEX... Blodouo...
COLOR COUNTS
with FRANCISCAN WARE...and in dramatizing your hospitality.

The most beautiful and complete palette of ceramic colors available in dinnerware today is found in FRANCISCAN'S various lines...twenty colors in all, ranging from creamy Satin Ivory to a vibrant Imperial Red.

With such a wide range, your imagination and ingenuity may have full play in composing an enticing table setting in monotone, duotone or multi-color arrangement.

FRANCISCAN

CARPETS ON WALLS

CLEAR the floor for some real rug news. Latest developments in this field show a room with walls covered in carpeting—of a lighter, softer, and more flexible quality than is used on the floor. This covering, which captures all the luxury and charm of fabric walls of the past, affords the decorator limitless opportunities for new ideas in color contrasts and arrangements.

Highly practical, these woven walls can be cleaned easily with a vacuum cleaner. Then, too, they serve as an insulator against heat and cold. Most advantageous of all are the carpet's laboratory-tested sound facilities. Since these covered walls absorb noise, they are especially suitable for clubs, theaters, libraries, restaurants, etc., where noise is ever a disturbing factor.

In the attractive room above, Mid-night blue carpet covers the floor. The walls are hung with lateral strips, from floor to ceiling, of Delphinium blue carpet, divided by horizontal moldings of painted white. This room is part of Modern House, on display at the New York showrooms of Mohawk Carpet Mills. The entire exhibit, sponsored by Lorelle Guild, is bound to start leading rug manufacturers on the road to developing new and greater uses for their looms.

COMMENTS OF A PLANTSMAN

This last year or two, while attending various flower shows, I have noticed here and there small collections of Clivias, As always, they made a pleasant impression on me. This feeling may be due to the fact that I am so well acquainted with the virtues of these fine old-fashioned South African plants. Aside from Cactus I don't know of anything that will withstand the abuse and neglect that they will. The fact of the matter is, I have had three of them in my house for two years now. I have noticed that all three plants are quite badly infested with woolly aphids. But they just can't do a thing to my Clivias.

We pay very little attention to these Clivias. A north, south, or eastern window doesn't seem to make any difference. When we go away for two or three days they just aren't watered and are never any the worse for it. In the Summer, when we close the house and go East, we merely plunge the pots in the garden in a shady place and leave them there until we come back. What little moisture they get is whatever rain happens to fall at that time.

As a pot plant for a house or a cool greenhouse or a conservatory I do not think the Clivia has an equal. The handsome, strap-like leaves are always rich and green and pleasant to look upon. An occasional sponging off with a little lukewarm water, say once a month, keeps the foliage in perfect condition; and when late in the Winter the sturdy flower spikes rise above the foliage with big heads of orange blossoms. I believe there are few house plants that are as handsome.

Clivia miniata is the common species, but in the last few years several new hybrids have appeared. Scarlet Gem and F. E. Arnold are two of these, and just recently in England a variety by the name of Fay, with clear yellow flowers, has received much attention.

The requirements of Clivias are exceedingly simple. An ordinary good fibrous loam with a little sand for drainage is all that is required. They are like so many of the Cape plants, the more you neglect them and the less you repot them the more freely they seem to bloom. When they become overcrowded they should be moved into larger containers. Shake all the old earth out of the plant and repot, and the change-over and the shaking out of all the earth from the roots do not in any way affect them.

If you want to get the most out of them, they should of course be kept growing vigorously during the Summer. This is best done out in the garden in shade. In late Fall before frost, bring them inside and keep fairly dry so they will "rest". Assuming that you bring your plants into the house during the middle of October, refrain from watering heavily until the middle of December. After that, increase the amount of water and within about six or eight weeks the flowers will begin to appear.

It is too bad that this plant has been neglected so long. Our overheated houses and apartments and, in many instances, too dry an atmosphere, raise havoc with house plants. Clivias, however, I know from experience, will not only live but thrive under such conditions. Another point worth mentioning is that their graceful lines and foliage blend exceptionally well with present modern decoration.

—J. J. GUILLEMS
GLASS
(CONTINUED FROM PAGE 54)

This roof terrace, designed by Donald Deskey, and a prize winner in the Pittsburgh Glass competition, combines window glass with both hollow and solid glass brick well as to the heavy, opaque panels of flat glass used as wall surfacing material in kitchens, bathrooms, and elsewhere. Structural glass brick may be solid or hollow. Solid types are used almost exclusively for decoration, in the manner of tile; hollow types are much more generally used, owing to their comparative lightness and to their insulating properties. (It should be noted, however, that these insulating properties are not effective against solar radiation—the heat of the direct rays of the sun.) The increasing popularity of hollow glass brick has encouraged manufacturers to develop a variety of sizes and patterns to suit every requirement; all types are laid in mortar, like brick, and all types support their own weight when used in wall construction. Glass brick has many practical and decorative applications, owing to its translucent brilliance and lovely pattern. The fact that one cannot see through this brick adapts it to many applications where a transparent glass would not be so successful—for example, when an unattractive view threatens to spoil the effectiveness of a charming room. The same undulations in the glass which obscure vision also serve to deflect the rays of light in all directions so that light entering through a panel of glass brick is diffused over a broader area than would be the case with an ordinary window.

The other main type of structural glass—that used for surfacing the walls of bathrooms, etc.—is almost too well known to need much comment here. Being impervious to moisture and easily kept clean, it is an ideal wall material where these qualities are important. It is, of course, available in a range of colors so wide that the demands of any decorative scheme can easily be met, and is supplied in conveniently sized panels which are readily adaptable to many applications where a transparent glass would not be so successful for example, when an unattractive view threatens to spoil the effectiveness of a charming room. The same undulations in the glass which obscure vision also serve to deflect the rays of light in all directions so that light entering through a panel of glass brick is diffused over a broader area than would be the case with an ordinary window.

The metallic silver of its hand-blocked print will not tarnish or chip and the curtain itself is Kleinert's famous "Illusion"—sheer pure silk waterproofed without rubber so it NEVER cracks, chips, or peels.

Ask for "Illusion" curtains in your favorite store—there are gay clear colors as well as fascinating prints and window drapes to match.

Kleinert's
* U.S. REG. U.S. PAT. OFF.
SHOWER CURTAINS
TORONTO, CAN., 485 FIFTH AVE., NEW YORK, N. Y., LONDON, ENG.
attached to the substructure of the walls. It has the durability of tile, plus the brilliance, color and flawless surface which is found only in glass.

Mirrors are, perhaps, the most fascinating of the many forms which glass may take, so it is scarcely strange to find leading designers and decorators everywhere using mirrors in a hundred different ways. Large mirrors are often used in small rooms, to increase the apparent size of the room. A mirror will do wonders for a dark wall, giving it interest and life at the same time that it brightens it. And now, of course, we have mirrors of colored glass in such shades as gun metal, light or dark blue, flesh, light chrome and amber. These are finding interesting applications in interior designs where they meet special decorative requirements.

Mirrors are sometimes decorated by painting or by etching. Designs to be painted on mirrors are applied to the back surface of the glass, which is afterwards silvered in the usual manner. Designs to be etched in glass are executed either by the use of an abrasive, like sand, which cuts the pattern to the desired depth, or by the use of acid, which serves the same purpose. The etching process is also used in applying decorative patterns to structural glass wall panels, and to decorative glass lighting units, etc.

Decorative glass is a comparative newcomer to the architectural field; but it promises to become an important item in the decoration of the home. At present, this new type finds application in palstikes, friezes, caps, grilles, lighting fixtures, moldings, balusters and railings. These uses, varied as they are, bring home to us the fact that glass, in its modern form, is a plastic medium which may readily be molded into an infinite variety of shapes and patterns which, in turn, may then be variously illuminated to produce any effect, from scintillating brilliance to a subdued lustre of exactly the required tone. Some manufacturers have available stock patterns which are carefully designed and well adapted to average applications. Special designs can be made to order, the comparative expense of this procedure being due to the necessity for making a special mold. If enough pieces are required to be cast from this mold, the cost per unit decreases proportionately.

Decorative glass and lighting are a natural combination and one which will require a separate article in order to treat fairly the interesting possibilities involved. The fact that glass is transparent or translucent, transmits, diffuses, deflects, or reflects light-glosses like a jewel, or ripples with a liquid brilliance—these qualities set glass apart as the natural accompaniment of light in architecture and decoration. And every outstanding new home or new interior gives evidence that our architects and decorators find more applications for glass, in all its forms, than for any other single material used in these fields.

BOOKLETS FOR THE ASKING

(continued from page 25)

WHAT TO DO is a booklet of funeral ideas—e.g., some discussion of things everyone ought to know. It covers procedure, etiquette and costs—prepares you to meet emergencies intelligently and without confusion.

THE TAYLOR WINE Co., DEPT. G-9, 40TH ST., N. Y. C.

MIXES and MIXES, a how-to guide to the finer wines, is a must for wine lovers. The Taylor Wine Company, DEPT. G-9, 40TH ST., N. Y. C.

KITCHEN-TESTED RECIPES offers recipes for the gourmet—ways to use fine wines in the making of desserts, and in such delectable dishes as baked beans or tarts. It is sherry, The Taylor Wine Co., DEPT. G-9, HAMMONDSPORT, N. Y.

DIRECTORY OF GOOD SCHOOLS is a guide to the finest schools in the country compiled by House & Garden to help you solve the vital problem of the right school for your boy or girl. HOUSE & GARDEN, 420 LEXINGTON AVE., NEW YORK CITY.
DOUBLE TULIPS  
(CONTINUED FROM PAGE 42)

Double Tulips may be planted in clumps about the beds and borders and, incidentally, they remain in good condition, if the soil is good in the first place, for many years without lifting. Mt. Tacoma, a semi-double white variety sent me long ago by Mr. John Schepers, has been in place for eight years. It grows near a tree with which it fertilizes, and about it have come without my agency a misty collection of Siberian Anemones, A. mysotodoiflora. The flowers are not quite as large as they were at first, but this is a picture I look forward to from year to year. The modern double Tulip, being stout of stem, also makes a fine bedder, and though it is not quite so tall as some of the Darwins and Cottages, it creates a very rich effect.

You may be among those who do not like double flowers; I like single ones better myself, but in the garden it does not do to be too hard and fast. An open mind lets in many a pleasant surprise. Among them, I believe, for many persons, would be the double Tulips, either May-flowering or not.

Here is my list. They started with a grand burst on the first day of May, and a month later some of them were still flowering. For those who like to know their colors exactly I have matched the petals as nearly as I could to the dead hues in Ridgway's Colonial Colors... and Nomenclature.

But what little square of color on a bit of paper can give any real idea of the sheen, the luster, the velvety-softness, the liveliness of a flower, much less of that changing, scintillating flower we call a Tulip?

**THE EARLIEST ONE**

Mount Tacoma flowered late in April. When first planted this was an immense Tulip, white with a faint yellow suffusion at the base of the petals. It is shallow, flattening out when the sun falls on it and having something of the appearance of a semi-double Peony. The shallow flowers of *Muscari*, an immense *A. mysotodoiflora* are perfect with it, whether cut or in the garden. Its height is about twenty-two inches.

On May first the following six were in bloom:

- Allegro, an immense flower carried on a tall, strong stem. In the color chart it comes nearest to "Pomegranate Purple", but this gives no idea of the liveliness and luciousness of its hue.

The edges of the petals feather into white and, in the mass and when wide open, the white edges of the petals are very conspicuous. Because of its upholding habit, it makes splendid beds, which would be nice before a white house.

- Ros van Saron, a less fully double flower, smaller and flatter than the foregoing. It also is a bicolor flower with white edges, but I can find no color in the chart that approximates the lovely hue of the body of the petals unless I call it light "Pomegranate Red" feathering into "Jasper Red". The petals are very dark and show when the flower is wide open. It has no scent, and is handsome in a white pot­tery jar.

**NEAR FLOWERING ALMONDS**

Negas, a medium-sized flower and semi-double, which has the texture of velvet and a hue that more or less corresponds to "Bordeaux", is a richly glowing flower with the base of the petals white feathering into a blue zone. It has black anthers, no scent—

- a lovely sort to place near groups of pink Flowering Almond bushes.

Snow Bells, as its name indicates, a white Tulip, further earning its nomenclature by being round and very double. The anthers are white and in the center of each petal is a faint greenish or yellowish feather which only serves to accentuate the purity of the flower. It is a fine kind to cut and goes especially well with the single golden Jew's Mallow.

Cozza, a closely double flower but shallow. The petals are short, and it is one of those strangely blended flowers in which Tulips deal so largely—"Nepal Red" with tones of scarlet and orange, rich and glowing. At the base of the petals is a yellowish splendor containing a green one. Bed of it on a sunny terrace are magnificent but—

A medium-sized flower that opens out widely showing its yellow, olive-feathered petal bases. The body of this magnificent flower is "Morocco Orange" and the petals have an especially fine polish. I have some early blue Siberian Irises that are perfect with it. Then, on May fourth, flowered the following:

- Ottawa, not an immense flower but (Continued on page 36)
large enough, on stems about ten inches high, a neat flower of a good pure yellow tone, "Wax Yellow," some of the outer petals feathered, emerald, the anthers black. It is nice in front of white Spiraeas with a foreground of Phlox subulata G. F. Wilson. It has a pleasant Rose-like scent.

Pavo, a smallish, well-formed flower in a tone somewhere between "Tyrian Pink" and "Rose Pink"; base of petals white, anthers primrose, no scent. Beds of it over bright pink English Daises would be enchanting.

A very long-lasting kind.

Epicure, which is nearest to "Peach Red" but has brownish shadowings and a greenish yellow blotch at the base of the petals. It has a lovely subdued tone and a flat finish and grows on a tall, strong stem, though the flower is shallow and not over-doubled.

On May sixth there opened:

Lord Derby, a symmetrical flower of medium size, its color "Spinal Red" feathering into a narrow white edge, with a lovely lustrous quality.

Ranunculus, a plant of rather dwarf stature and a smallish flower, but nicely shaped. The petals are "Rosaleine Purple" with a very narrow white edge, the outer petals having some green marks, the base white with blue halo. Leaves distinctly gray.

Tricy, an open, shallow flower, bright "Pomegranate Red", fading at the edges of the petals to pale pink.

Livingstone, a remarkably effective variety, rather small but bearing several blooms like miniature Peonies on each stem. The color is somewhere between "Spectrum Red" and "Rose Red" and the outer petals of some of the flowers are lightly feathered with saffire. I think, of all the double-flowered Tulips I have grown, it is my favorite. Try it with a foreground of the pretty pale pink new Phlox subulata Apple-blossom.

Another, Cherry Blossom, has immense flowers on graceful stems. The color is "Eugenia Red" feathering into pale yellow and on to cream; the base of the petals is yellow and there is a creamy stripe down the center. The fragrance of the flowers scents a whole room. Try it with a foreground of Alyssum saxatile citrinum.

Mount Everest began to bloom on May tenth and lasted nearly the whole month in good condition. It is a light pure pink in color with no hint of salmon, but having indefinite pale streaks on the well-rounded petals. It is a large, wide, flat flower and fragrant, and the outer petals are marked with emerald. It is lovely with Apple-blossoms, and with Anchusa or Forget-me-nots crowding about it. The shape of the flower is something like that of the old Cabbage Rose.

Pensee Rose is almost too large for beauty. It is "Spinal Red" in color, the base of the petals with a violet and white zone. It is so heavy that it bends its stout stem. A bold mass near a pink Dogwood tree is effective.

Many of these are worth trying and some of them are certain to bring pleasure with them, even if they are only planted in rows in the vegetable garden for cutting.

**AUTHENTIC Reproduction**

**HISTORIC ORIGINAL now in Edison Museum**

Perhaps you have seen and admired the original of this fine old clock in Edison Institute, Dearborn. Now you can have an authentic reproduction of it in your own home, special permission having been granted us to reproduce it. This clock shows the influence of that celebrated old New England craftsman, Goddard, and was made in Rhode Island between 1760 and 1780. The reproduction is faithful to the original in every detail, even to the time-mellowed finish. Available with other fine certified reproductions by Colonial craftsmen... all in Solid Honduras Mahogany... at leading furniture and department stores.

10c to cover mailing costs, will bring our interesting brochure, "Colonial Reproductions," illustrated and describing many fine historic pieces, also an informative booklet on half clocks.

SEND TODAY!
Carved Oak Furniture

The Picardy
FRENCH PROVINCIAL

This historic dining group will give the owner a lifetime of pride and pleasure. The furniture has been adapted from priceless originals made by the provincial cabinet makers of 18th century France. A stately cupboard and a broad chest also belong to the group, and included in the Picardy Collection is a bedroom ensemble as well. A specially developed finish "Channel Oak" gives the fine textured wood a rich and mellow aspect.

See this beautiful furniture in the stores, also examples of our 17th and 18th century English carved oak furniture for the dining room, bedroom, living room, hall, studio, club and private office. Such furniture has enduring charm and interest because of its historic background, its dignity and good taste, its fine craftsmanship and bedroom qualities. Send 10c for illustrated booklet and name of our nearest retail representative.

Specialists in Carved Oak Furniture

A PLEASANT WELCOME

awaits You at

the KITTINGER EXHIBITS

in

NEW YORK

345 Madison

CHICAGO

Merchandise Mart

GRAND RAPIDS

Reiter Bldg.

BUFFALO

at Factory

Kittinger
COMPANY OF BUFFALO

By Appointment:

EXCLUSIVE MAKERS of Approved Reproductions from COLONIAL WILLIAMSBURG, INC.

...Send 10c in stamps for an interesting and authoritative brochure on Williamsburg.

A TWIN DESK

Spode
SUTHERLAND

BONE CHINA

18-piece service for four people

$142.76

Every Spode pattern is always available

Soft lights...brilliant conversation...white ties...and a happy hostess secure in the knowledge that her Spode dinnerware is immanently correct.

From the many patterns of Spode, choose yours at your local jewelry, china or department store. Or write direct for illustrated booklet No. 38.

Sole Agents and Wholesale Distributors
COPELAND & THOMPSON, INC., 206 Fifth Avenue, New York, N. Y.


**NEW CONQUEST OF PERU**

(continued from page 67)

To the joy of excitement, the note of smartness, that is typically Chilean, The hotel is the incongruously named O'Higgins, and the place to go is the Casino, where, in addition to lavish gambling paraphernalia, to out-Broadway Broadway, are great murals by a New York decorator, and three bands playing at one time. Here we will meet the aristocracy of the West—beautiful women who know London and the Continent, men who know Ascot and Auteuil, and who still prefer the course of the Valparaiso Sporting Club at Vina. And if we meet some of these hospitable Chileans, socially, it is likely that we will receive an invitation to their lofty homes, perched on cliffs overlooking the Pacific.

A day's trip from Santiago takes us to the Chilean lake district. We stop at Osorno, surrounded by quiet, scattered towns, and the lofty snow-covered peaks, Calbuco and Puntiagudo. The accommodations are simple but the food is good and the breath-taking scenery makes up for the lack of excitement. And so beautiful is the chain of lakes that stretches far across into the Argentine that it's a ten-lane shot we'll send back to Santiago for our heavy baggage and push on by lake steamer and rail to Buenos Aires.

Travellers like the west coast of South America. Chile reminds them of California minus Hollywood, and Peru is like old Mexico, But Buenos Aires on the east coast is like no one place. It is New York, Paris, Barcelona, rolled in one. It is rich, gay, active, supremely social minded, and because the Argentines themselves are enthusiastic travellers, they extend a hearty welcome to a stranger with the proper clothes and a passable letter of introduction. Although the Buenos Aires opera house is much pink plush, its audiences enjoy many of the world's outstanding artists during the July season when the Metropoliton and La Scala are shut down. If you ever wondered, walking in Paris through the Place Vendome, where they sell the fabulous parures of rubies and emeralds in the jewellers' windows, here is your answer. They will appear at the Jockey Club Ball at Buenos Aires against the dark and lovely throats of the Argentine señoritas and sororities.

The food in Buenos Aires is superb. Dinner is six or seven courses: lunchnoon four or five. There is not much drinking, and in conservative Argentine homes, the lady who takes Scotch and soda may be frowned upon. Whisky is for the men, fruit punch for the ladies. Cocktail parties are the rage, but they begin at seven, with dinner served at nine. High tea at five, therefore, becomes a real necessity. The Argentine's wealth comes out of the soil, and the great families stay close to it. In the winter season—June and July below the Equator—they open their great houses in Buenos Aires. In midsummer—January and February—they pitch their bathing tents at Mar del Plata, The favorite pastime is raising horses. Make no mistake—it's an art, not a hobby. And their stables house some of the finest mounts in either hemisphere. Hence their true horses (Continued on page 90)

---

**TO PUT ON YOUR CALENDAR:**

September 2-11—National Singles Championships, Men's, Women's, and Veterans, West Side Tennis Club, Forest Hills, Long Island.

September 4-6—Will Rogers Memorial Rodeo, Broadmoor polo grounds, Colorado Springs, Colorado.

September 6-12—Showmen's Variety Jubilee, Atlantic City, New Jersey.

**CALIFORNIA**


Santa Monica:

Miramar Hotel: Ideal ocean view location, best in motor hotel class. American and European plans. All rooms face ocean.

**CONNECTICUT**

Old Lyme:

Revere Manor Inn: The delight of dinner ladies. Quiet comfort, golf, motor hotel, ocean bathing. A long pleasant Summer, May 15th to October 15th.

**MASSACHUSETTS**

The Berkshires—Lenox


Mohawk Trail—Greenfield

Mrs. S. Park Hotel: Excellent views and table setting. Noted for quality of service. Live golf, Plumbing, Ravena R. C. Golf, Elevated Bridge. 3 T. S. Relief.

Northampton


**MISSISSIPPI**

Pass Christian


**NEVADA**

Lake Tahoe

Glensbrook Inn and Ranch. On west famous lake in West. Excellent golf, mountaineering and mountain sports. One hour from Reno. Elevation 6250 feet.

**NEW JERSEY**

Atlantic City

**NEW HAMPSHIRE**

White Mountains—Franconia

Pok-O-Moke Hotel: A resort offering a discriminating people a cultured, sensitive and intimate atmosphere.

White Mountains—North Woodstock


White Mountains—Sugar Hill


**NEW YORK**

Albany

The Van Oliet, a Knott Hotel. Now, well appointed. Face Capitol Park, surrounded and tastefully decorated. We'll make you happy.

New York City


Brooklyn

Ocean Beach Hotel: Open all the year around. Tennis, Riding. Surfing. Elevation.

Northampton


**PENNSYLVANIA**

Hershey

Hotel Hershey, One of America's Smart, Magnificent, unusual. Hours open your choice. European and American plan. 4 Golf Courses. All meals served.

Peck's Mountain—Back Hill Falls

The Inn: Bicycles, golf, riding, swimming, tennis, etc. Three Lakes nearby. Only $1.50 per day. Open May 15th to Oct. 5th.

**VERMONT**

Lake Morey—Fairlee

Swimmin' Hole Inn and Restaurant. All meals, 75 cents including milk and newspapers. Rifle Oaths, with supervised play. May to Dec. Pickets, E. B. Pike.

Manchester-in-the-Mountains

Exquisite House. Golfers Paradise—some 38-hole course with fineness. Tennis, E. Club, Climbing, Riding, $1 to 82 per day, Avoir. Plan. W. P. Lydi, Mnr. Dir.

**WEST VIRGINIA**

White Sulphur Springs

**THE GREENBRIER**

World-famous spa and resort located on beautiful 7400-acre country estate high up in the Alleghenians. Open all year around. Golf (3 courses), riding, tennis and shoots. Country facilities for "the cure." Take reservations now. Tariff and information upon request to L. R. Johnson, General Manager.

---

**CHALFONT-HADDON HALL**

These hotels are farther out to sea than any others in Atlantic City. They command a wonderful view of ocean and low banks, after plenty of salt sea air in the rooms. Conveniently located in the very center of things. Modern health baths, Beach cafâša. Moderate rates. American and European Plans.

**NEW YORK CITY**

Hanover

Hanover Inn, on Campus of Barnard College, offer the inveterate tourist real time and recreational opportunities. Golf, tennis, riding. Averageing service.

You will find it of advantage to identify yourself as a reader of House & Garden, in writing to these advertisers.
Now—for the first time—American Express Travel Service brings you “Lido all the way” to Rio on the great Italian super-liner Rex. Only the Rex can offer the incomparable cruise luxury of famous Lido decks, as spacious as the sunlit sea itself . . . and the gaiety of open-air Lido life on the world’s most popular sun ship, designed especially for the Italian Line’s Southern Route. That’s why it’s vacation all the way to Rio and back . . . twenty-five never-to-be-forgotten days of cruising in the modern manner—where the sun god reigns supreme!

And an itinerary that’s as inspired as the ship! Cosmopolitan, bizarre Cristobal, Atlantic guardian of the Panama Canal . . . La Guayra, Venezuela, key to old-world Caciques, high in the Andes . . . Trinidad, exotic flower of tropical isles . . . lovely Barbados—a full daylight day in each of these glamorous ports of adventure. Plus five daylight days in Rio de Janeiro, the world’s most beautiful harbor city . . . a sparkling gem of Continental life in a dramatic setting of mysterious, verdant jungles and silver-white beaches.

Against this fascinating background, world-wide American Express Travel Service has planned for you a de luxe cruise of carefree, effortless enjoyment . . . in the distinguished tradition of America’s foremost travel organization. Early reservations are advisable, as cruise membership is limited.
Sail the Pleasure Way—in comfort—via
Munson Lines to South America

• It's a lazy life...a refreshing, gay and carefree life aboard one of Munson's 21,000-ton liners...a life you'll enjoy 24 hours a day! The ships, Pan America, Southern Cross, and Pan America, provide the sort of comfort experienced travelers appreciate.

• Cruising smoothly through the sparkling sea, you romp and rest on spacious decks, swim in the outdoor pool, enjoy the luxury of an outside cabin. Large, modern Munson liners with fine facilities for modern travel pleasure. One, the S.S. Pan America, has new built-in-deck pool, enlarged sports deck, air-conditioned dining saloon.


NEW CONQUEST OF PERU
(CONTINUED FROM PAGE 83)

100,000 acre estates are only of medium size. Here, for all the encroachment of modernity, a feudal life survives that has no equal in the western world. Paraguay, torn by recent wars, and the neat and compact Republic of Uruguay have their own attractions to detain the traveler, and then, to the north, is Brazil, historic and enchanting. The tempo of life is less strenuous than in the Argentine, for here the antecedents are Portuguese, rather than Spanish. After the machine gun rattle of Argentine Spanish, a conversation of Brazilians, speaking their national Portuguese, is like the low hum of bees on a summer day.

The harbor at Rio, for all the superlatives you have heard about it, and all the pictures you have seen of it, will still come to you as an unreal dream. No harbor could be so blue, no town so white and green, no soaring mountains rise so sheerly from the sea.

The climate of Rio is remarkably mild, and almost changeless, but it is not good manners to say how warm the weather is in June. That is their winter, and they observe the season jealously since they don't want to be known as a tropical country. A woman will endanger herself to them forever if she wears furs in July.

The road to Petropolis, the summer resort of Rio, and summer headquarters for the government, twists and squirms up the edge of cliffs behind the city. Poinsettias flame against white plaster walls, and you wonder how such exotic flowers ever came to be a symbol of snowy northern Christianesees. You may also drive up to Corcovada, a summit behind the city, where there is a massive statue of Christ, arms outstretched. At night it is floodlighted and stands out stark and white in the darkness like a mighty cross. On the way up you will see orchids growing in the forest trees. They are so plentiful that the hotels use them for centerpieces on the tables, but if you see a lady come into the Casino wearing a shoulder-load of carnations you may raise your eyebrows a little.

Sao Paulo, the big commercial city of Brazil, is high on the inland plateau. It bustles with commercial activity and civic pride for the "Paulistas" are the go-getters of Brazil.

Down on the coast lies Santos, greatest coffee port in the world. The edge of the city is always heavy with an aroma like after-dinner coffee. A group of men, arguing in the street in front of a four-story building, will prove to be a coffee brokerage. Bags of coffee are slid onto waiting ships on an endless belt conveyer, while crates of Fords and Chevrolets are swung off.

But even here, for all the commercial achievement, life moves at a slower pace. No one will resent it if you call off golf and tennis, to sprawl on a beach while the world's whitest sand slips through your fingers, and you dream of new worlds to conquer.

—Robert W. Cardick

ALSO 12-DAY CRUISES
NASSAU • MIAMI • HAVANA
$120 ALL EXPENSE!
S.S. Munargo sails fortnightly
Full-details from your travel agent or
MUNSON S. S. LINES
67 Wall St., New York

SOUTH AFRICA
"THE WORLD'S MOST INTERESTING TRAVEL LAND"

They traveled 35,700 miles—a shipload of seasoned globe-trotters—and then returning home from their world cruise, voted South Africa the most interesting country of the entire trip!

Let's take a brief "pre-view" of South Africa: First the charming Cape Province; then from Capetown around Cape Point and up the East Coast, along the warm Indian Ocean, stretches a marvelous "Riveria"—prosperous towns and gay resorts, with charming country clubs, miles of smooth white beaches, surf-bathing, tennis and sporty fishing—

You will want to lounge awhile in glamorous Durban; visit Zululand and its primitive native life; then, by modern railroad or motor bus, tour inland to Victoria Falls, Rhodes' Tomb, the Zimbabwe ruins, Johannesburg and its great gold mines, Kimberley, famed for diamonds, and other wonderful places.

After seeing the "Sunny Sub-Continent" you, too, will vote

JAPAN
Smiles through all seasons

Any time is Japan-time. The late autumn is a marvelous winter sports—set in decorative beauty, rare as an ancient Nippon print. The picturesque faces, the winter landscape and snow, are the bright thread, the gay festivals, the people, the legends of gods and sounds. Japan has many charming and interesting cities you have never been to, and you are never far away. So if you have changed all the old fare, ships have changed with you to the latest? You travel Japan is not enough, indeed you travel Japan's like a spectator of its beckoning smile. Your travel

japan doll has a long life...

BOARD OF TOURIST INDUSTRY
JAPANESE GOVERNMENT RAILWAYS

JAPAN TOURIST BUREAU
331 FIFTH AVE., NEW YORK, N. Y.
1154 S. BROADWAY, LOS ANGELES, CAL.
SEE YOUR TRAVEL AGENCY FOR DETAILS

Detailed information from all leading tourist and travel agencies.
Announcing

HOUSE & GARDEN'S PORTFOLIO

of

Flower Prints

Now in one collection...25 superb flower prints, in full color, suitable for framing...with an introductory essay by Richardson Wright

At last—you can have House & Garden’s complete collection of 25 flower prints, as published serially in the magazine, reproduced in all the beauty of their original coloring. Each one is printed separately on fine heavy paper with wide margins. Each is accompanied by an explanatory note concerning the maker and his work. The whole collection is enclosed in a handsome portfolio.

The introduction written by Richardson Wright, editor of House & Garden, is a fascinating appreciation of “Flower Prints and their Makers”—published here for the first time. The prints themselves represent the Golden Age of Flower Illustration (about 1680 to 1860) and were chosen not only as examples of the range of techniques used during this period, but more particularly for their graceful composition and exquisite colorings.

As decorative notes for any room of your home, these prints are unsurpassed. As an addition to your library or as gifts to your friends, they are equally appropriate. You might pay a dollar—even more—for a single reproduction of such fine quality... yet this whole group of 25 prints costs only $5.

Send your order now for House & Garden’s Portfolio of Flower Prints... ready for delivery November 1st

—$5 POSTPAID
“And then my heart with pleasure thrills and dances with the wind and the rustling of leaves. I think of the sheets of golden leaves Unsapined into wreaths on the nearby meadows, gardens and along the brooks of England that Wordsworth said that. There is ready for you at Wayside a collection of nearly a thousand species, each carefully selected for such plantings. They are those that will multiply most rapidly and take care of themselves when left growing wild. The kinds that will permit you to pick their blossoms by the armful as you so love to do.

**BULBS**

**UNIVERSAL AUTUMN BULBS** for planting new flower gardens. 6 for $1; Lilies, 3 for $1; Peonies, 5 for $2; Daffodils, 6 for $2; Crocuses, 50 for $3; Colchicums, 50 for $1, 100 for $2; Blue Bells, 50 for $1; Double Hybrid Tulips, 3 for $1. For full catalog address: HENRY A. DREER, 3707 Summer Street, Philadelphia, Pa.

**TODAY:**

**GIANT TRUMPET DAFODILS** 5 bulbs, each; King Alfred, Van Wyck’s Giant Trumpet, Golden Trumpet, Trumpet Queen, Queen of the Garden. These bulbs are well rootled and will be well rewarded next spring.

**Giant Tulips:** Color illustrated catalog, $1.00.

**GARDEN MART**

**WORLD’S FINEST BULB CATALOG—FREE** 30 colors, full-color catalog featuring 150 bulbs. Color illustrated catalog, $1.00.

**WAYSIDE GARDENS**

**Sorflower, Lilies, etc. Also many fall planting. Top quality; reasonably priced.**

**Daffodil Special.** Mixture of at least 25 daffodil kinds, color illustrated catalog, $1.00.

**DAFFODILS**

**GIANT TRUMPET DAFODILS**

5 bulbs, each; King Alfred, Van Wyck’s Giant Trumpet, Golden Trumpet, Trumpet Queen, Queen of the Garden. These bulbs are well rootled and will be well rewarded next spring.

**STURGIS LILIES**

Large bulbs, 1 for $1: 3 for $3. Free catalog.$1.00.

**BULBS**

**WORLD’S FINEST BULB CATALOG—FREE**

**WAYSIDE GARDENS**

**Sorflower, Lilies, etc. Also many fall planting. Top quality; reasonably priced.**

**Daffodil Special.** Mixture of at least 25 daffodil kinds, color illustrated catalog, $1.00.

**DAFFODILS**

**GIANT TRUMPET DAFODILS**

5 bulbs, each; King Alfred, Van Wyck’s Giant Trumpet, Golden Trumpet, Trumpet Queen, Queen of the Garden. These bulbs are well rootled and will be well rewarded next spring.

**STURGIS LILIES**

Large bulbs, 1 for $1: 3 for $3. Free catalog.$1.00.

**BULBS**

**WORLD’S FINEST BULB CATALOG—FREE**

**WAYSIDE GARDENS**

**Sorflower, Lilies, etc. Also many fall planting. Top quality; reasonably priced.**

**Daffodil Special.** Mixture of at least 25 daffodil kinds, color illustrated catalog, $1.00.

**DAFFODILS**

**GIANT TRUMPET DAFODILS**

5 bulbs, each; King Alfred, Van Wyck’s Giant Trumpet, Golden Trumpet, Trumpet Queen, Queen of the Garden. These bulbs are well rootled and will be well rewarded next spring.

**STURGIS LILIES**

Large bulbs, 1 for $1: 3 for $3. Free catalog.$1.00.

**BULBS**

**WORLD’S FINEST BULB CATALOG—FREE**

**WAYSIDE GARDENS**

**Sorflower, Lilies, etc. Also many fall planting. Top quality; reasonably priced.**

**Daffodil Special.** Mixture of at least 25 daffodil kinds, color illustrated catalog, $1.00.

**DAFFODILS**

**GIANT TRUMPET DAFODILS**

5 bulbs, each; King Alfred, Van Wyck’s Giant Trumpet, Golden Trumpet, Trumpet Queen, Queen of the Garden. These bulbs are well rootled and will be well rewarded next spring.

**STURGIS LILIES**

Large bulbs, 1 for $1: 3 for $3. Free catalog.$1.00.
A KITCHEN GARDENETTE

(continued from page 47)

With a weather eye to upkeek, the planting plan has been worked out to the nth degree, and no commercial florist ever took greater count of the yield per square foot of space. Two Grape vines, one Cano and one Niagara, are sufficient, for in the main garden there were always so many Grapes one never had time to bag any. One Peach tree and two Pear trees are espaliered against the north wall—a method one always wanted to try, but in the orchard the thought of it seemed to stretch to an indeterminate fruition.

Here are visions of large, perfect fruit grown to be picked when some distinguished guest arrives, or perhaps to be saved for the viole of a rival gardener to whom one can say with pardonable and ill-concealed triumph, "Yes, I grew this."

On one medieval seat of Thyrene is a dwarf Apple tree, on the other a Plum tree, and if the urge for experimenting with grafting is persistent enough, a variety of Apples and Pears can be grafted on the Apple tree and Peaches can be grafted on the Plum. Four vines of Grapes will give a plentiful supply of effectively striped fruit which is so decorative on the table when carefully dried and polished; besides, their blossoms are beautiful and greatly appreciated by the bees.

Two Gooseberry bushes will supply the winter roast beef with spiced Gooseberries. Six Tomato plants carefully selected will yield enough fruit for many a gay and colorful salad. A few plants of well selected herbs will add zest to any roast, sauce or cool drink. And last but not least, a few sets of Garlic, for Garlic is always that item on the market list too small to remember but too subtle to do without in the salad dressing or in a jar of ripe olives.

Successive plantings of Lettuce, Chives and Romaine, carefully grown in a cool spot where the spray of Barberry is neither permitted nor necessary, will add last minute crispness to many summer dishes, including the ever-delightful green salad.

Flowers can be had for the table from two Polyantha Rose bushes, Gloria Mundi, and from the edging of white Clove Pinks; and there are always enough Gentians on hand that the crucial moment arises for a bachelor's betrothert. Over the kitchen door and window, if the situation permits, might grow Climbing Rose, Honeysuckle and Clematis, giving fragrance the season through to compensate for the odor of cooking Cabbage when one has forgotten to put in that heap of bread, or to soothe the conscience for letting the cookies burn. There will be always sufficient space to take in a few extra pet plants or the second crop of Radishes. Summer is bountiful enough in this little garden, and its fruit may grace the Thanksgiving table by packing a few Grapes in saw-dust, wrapping some prize Pears in tissue paper, and sealing the ends of the most beautiful Rose buds with wax to be kept perfect in an airtight container.

The lovliest of the white lilies, especially effective growing with the delphiniums. $1.25 per 100. 00c per bulb Catalog on request.

The loveliest of all lilies, snow-white, stately, 7 feet tall. A. M. Brand. Lesser, Fine, No 1 size bulbs only, 12 — 60c, 100 — $4.00, 1,000 — $36.00.

Schlaf's Bulbs

This now giant of all tulips is a real rarity — only a limited number of bulbs were released by our Holland grower. There will be enough for a limited number of gardens, when these flaming crimson blossoms will rise majestically above the heads of every other tulip. Orders filled as received. 50c each, $9 a dozen. $70 a hundred.

Max Schling, Horsham, Pa.

Max Schling's own specialty

Your Trees are just so much "Gold Green"

Any retailer will tell you that a fine old tree can add hundreds of dollars to the value of a piece of property. Shouldn't it be something to each house hold. Horsford's MADONNA LILIES For June Garden Beauty

REGL DELPHINUM

(Hardy Larkspur). Mostly large double blooms. pink to deep blue, long spikes, depth of flavor, great for the one flower arrangement. 25c each, $2.50 doz., $18 per 100.

New Bulb Catalog

Send for new Bulb Catalog containing the largest assortment of Tulips, Hyacinth, Tuberose and Lilies ever offered in this country. Also, a choice collection of Frit, Irises. Hardy Plants for Autumn planting. Many illustrated in color. No matter what bulbs or plants you get from Wayside, all are top size.

Your Trees are just so much "Gold Green"

The best Madonna are grown in the North of France. There's where Wayss's come from. It's one of the loveliest of all the white lilies. Known and loved literally throughout the world. Its delightful fragrance and chaste liveliness have made it a universal symbol of purity. Plant in a sunny spot in groups of three. Combined with pale Blue Delphinums they are a picture. But on either border they are effective points of glistening white contrast.

NEW PEONIES CATALOG NOW READY

Beautiful new fall catalog now ready. . . . Featuring Brand's Prize Winning Internationally Famous PEONIES . . . Also Brand's Own Root FRENCH LILACS from the World's Largest Stock . . . Choice IRIS of standard and up-to-date varieties . . . Hardy Horticultural Novelties, etc., Brand's Peony (Mrs. A. M. Brand) won "Best Flower in the Show" at the 1937 Minnesota Peony Show.

Madonna LILY of FRANCE

Plant Now


F. H. HORSFORD

Route 10

CHARLOTTE, VERMONT
Handy Heat on Wheels

For those cool days, and damp ones too, in early Fall, when for an hour or so you want heat, this portable steam electric radiator is just the thing. Ideal for bathrooms, especially for baby-bathing time. Just plug the cord in and in a jiffy heat is yours. Comes filled with right the thing, Ideal for hot water, especially if the cord is in and in a jiffy heat is yours. Comes filled with right the thing, Ideal for hatlwoouis, especially if you want heat, this portable steam electric radiator is just the thing. Ideal for bathrooms, especially for baby-bathing time. Just plug the cord in and in a jiffy heat is yours. Comes filled with right the thing, Ideal for hot water, especially if the cord in and in a jiffy heat is yours. Comes filled with right the thing, Ideal for hatlwoouis, especially if the cord in and in a jiffy heat is yours. Comes filled with right the thing, Ideal for hot water, especially if the cord in and in a jiffy heat is yours. Comes filled with right the thing, Ideal for hot water, especially if the cord in and in a jiffy heat is yours. Comes filled with right the thing, Ideal for hot water, especially if the cord in and in a jiffy heat is yours. Comes filled with right the thing, Ideal for hot water, especially if the cord in and in a jiffy heat is yours. Comes filled with right the thing, Ideal for hot water, especially if the cord in and in a jiffy heat is yours. Comes filled with right the thing, Ideal for hot water, especially if the cord in and in a jiffy heat is yours. Comes filled with right the thing, Ideal for hot water, especially if the cord in and in a jiffy heat is yours. Comes filled with right the thing, Ideal for hot water, especially if the cord in and in a jiffy heat is yours. Comes filled with right the thing.

The method of culture of Floribunda Roses is simple. No pruning is necessary, although it is advisable to establish the symmetry of the beds in the spring by cutting back all the plants to the same height. This height may be regulated by the effect desired, either low, medium or high. Foliage is as near immunity from diseases as hybridizers have ever been able to produce, but a casual spray, especially during a wet period, would help maintain a beautiful foliage.

As a planting of Floribunda Roses is destined to be permanent, the beds should be carefully prepared to afford proper root conditions for a number of years. Deep trenching would be advisable with a layer of six inches of rich cattle manure (not rotted) at the bottom and filled with a good garden soil of chalky clay type which will "love" and stick to the roots.

Looking ahead along another branch of the great Rose family, we find that the Hybrid Tea still remains supreme for cut Roses. Among the novelties from all sources scheduled for introduction in 1937-38, nine have arrested popular attention and have been declared the "Hybrid Teas of the year":

- Alice Harding (France). The perfect Souvenir de Claudius Fernet, selected to memorialize the third millennium of the founding of Rome by Remus and Remus who, abandoned, says the legend, had been fed and protected by a she-wolf.
- Favence (Holland). Large bloom of classic form, pink and salmon with an orange tint, fairly scented; good plant of branching habit.
- La Parisienne (France). A very graceful and elegant Rose dedicated to the Parian womanhood. Semi-double, the color is a subdued flame with a dash of orange. Makes beautiful vases when cut in buds.
- McGredy's Pride (Ireland). One of the best productions of the great Irish hybridizers. Very large bloom, luminous pink of various intensities giving an impression of violeteness.
- McGredy's Pride (Ireland). To produce such a Rose would indeed make any hybridizer proud! Mammam bloomos with petals standing erect, forming a rounded top. Apricot turning to aurora.
- Rex Anderson (Ireland). A fine white Hybrid Tea Rose originated abroad for many years. A big bud, cream colored, opens in perfect large white blooms, several together on strong stems.
- R. M. S. Queen Mary (Holland). Named for the ship, not the queen. Primarily a cutting Rose becoming popular in greenhouses but equally good outdoors. Blooms of the type of Briarcliff with more salmon and a dash of orange. The bud is exquisitely formed.

Bobbink and Atkins Nurserymen

Rutherford, 23, New Jersey

Copy on request. Send fifty cents if west of Mississippi.

When She's a Grandmother

This Garden will still be Beautiful!

World Famous Auslazie Lifetime Tulips

Fine peonies live and bloom 100 years, and even longer. For a few cents a year you can have the matchless beauty of Auslazie peonies in your garden... for life. Now any garden can have "the world's most perfect flowers."

Order Lifetime roots today.

Moles Vanish

No traps, no messy disposal job. Quick, clean easy method used by estates, parks, golf clubs. Punch holes in ridges. Fill with NOMOLE, chemically-treated mole food. They devour it, die. Large 28-ounce can, $2.00 express prepaid. GUARANTEE: money back if not satisfied. Order Maintenance Manual free on request — no obligation.

The C. B. Dolge Co.

53 Wilson Boulevard
Westport, Connecticut

SAVE GARDEN "RUBBISH" It is Invaluable as a Fertilizer MIX IT WITH ADCO and change it into rich organic manure. The work can be done in a heap on top of the ground or in a pit as illustrated. It is easy—anybody can do it.

ADCO WORKS, Carlisle, Pa.

Makers also of the new ADCO WEED-KILLER for LAWNS, which eradicates weeds while stimulating the grass. 25 lbs. $2.00. F.D.3 $3.75.

See page 9 of Section II for the national directory of real estate brokers
AUTOMATIC HEAT CONTROL

• THE MODERN GAS OVEN is a miracle of convenience. Oven heat control takes the guesswork out of baking. You can get exact temperature up to 550°—and new ovens preheat twice as fast as your old range. Many new gas ranges have clock control which turns your oven on and off for you. Oven walls are insulated—so your kitchen is cooler. This new insulation makes economical gas cookery thriftier than ever.

FLEXIBLE TOP HEAT, TOO

• ONLY WITH GAS can you get instant intense heat. Top burners on the modern gas range light automatically. Marvelous new simmer burners enable you to do "waterless cooking"—which saves vegetable flavor and vitamins. Pots stay bright when you cook with the clean blue gas flame. New aluminum top burners are easier to clean. In fact, the whole range can be cleaned as easily as a china plate.

SMOKELESS BROILER

• THE NEW SPEED BROILER cuts broiling time practically in half and seals in more flavor. There's no smoke to soil walls and curtains—new perforated grills drain off fats and keep them away from flame. The broiler in the modern gas range slides out in a convenient drawer. In appearance the new gas ranges are unsurpassed. Let one dress up your kitchen and make cooking pleasanter and more economical.

See the beautiful new gas ranges at the showroom of your Gas Company or appliance dealer. You'll find them surprisingly low in cost. Look for this Seal of Approval of the Testing Laboratories of the American Gas Association when you buy gas equipment. Appliances bearing this Seal comply with national requirements for safety, durability and efficiency.


Name ____________________________
Street ____________________________
City and State _____________________

GAS IS YOUR QUICK, CLEAN, ECONOMICAL SERVANT
Mirror plate glass finds many practical and decorative uses in today’s home. The crisp sparkling beauty that is obtained with mirrored plate glass in color is here smartly illustrated. The table top of blue mirrored plate is framed with satin-finish stainless steel; the whole supported on an oblong pedestal base of the same material. In the modern home, mirrors are used to emphasize and enlarge wall areas—-as a trim or facing material around doors, windows and fireplaces and in many other applications which add crisp new interest to home decoration. Colored plate glass is available in three shades of blue, a peach and a green. Your interior designer or local Libbey-Owens-Ford glass distributor will gladly cooperate with helpful suggestions. Libbey-Owens-Ford Glass Company, Toledo, Ohio.
FIRST PRIZE - CLASS I (7-10 Rooms)

FIRST PRIZE - CLASS II (6 Rooms and under)

SECOND PRIZE - CLASS I
The modern Floor is a Personal-ized Floor of Adhesive Sealex Linoleum

Something new under the sun!... Personal-ized Floors of modern Sealex Linoleum built to your own design at very little extra cost!

Truly an inspiration! The makers of Adhesive Sealex Linoleum said, "We'll cut individual designs from our linoleums. We'll call them Sealex Insets and they'll be color-correlated with all our Sealex patterns. Being ready-cut, they'll be inexpensive."

Now these decorative Sealex Insets are ready for you. Ready to be set in an Adhesive Sealex Linoleum floor in your own "personal-ized" design! The low price will surprise you. For Adhesive Sealex is the patented linoleum which effects savings of as much as 20%—because it has adhesive on the back, applied at the factory.

See your nearest Sealex dealer about the new "Personal-ized Floors!"

*Patent No. 1,970,560

To help you create your own Personal-ized Floors, we have prepared a profusely illustrated new book—"Match Your Rooms to Your Personality." Send 10c to Congoleum-Nairn Inc., Box 142, Kearny, New Jersey.
THE SINK THAT SAVES YOUR DISHES

BECAUSE IT'S EQUIPPED WITH THAT NEW GE DISHWASHER

There are two reasons why this lovely Monel sink is kind to your china... and gentle to your glassware:

First because there's a General Electric dishwasher tucked away in that sink—just to the left of the bowl. You'll find it a fast-worker... and a careful one. It doesn't encourage your glasses to develop rough edges. It helps prevent those ugly little nicks from appearing on your best set of china.

The second reason why this sink saves your dishes is that Monel is resilient. It acts as a shock absorber. In a recent test, six plates were dropped upon a Monel sink from a height of six inches. Nothing happened. Not a sign of a chip. Not a trace of a crack.

Yet the same drop onto an ordinary sink made all six plates candidates for the ash can.

In every other respect, Monel is a model metal. It thrives on rough treatment. Hard service merely makes it more lovely and lustrous. When Monel enters your kitchen, it's "in for life".

And through the years its one purpose will be to make your days easier. These smooth surfaces are a pleasure to clean. Substances which tend to make stains cannot penetrate Monel. Consequently, stains are never permanent. They are easily and quickly removed with common household cleansers.

For full information about Monel sinks and Whitehead steel cabinets, write to Whitehead Metal Products Co. of New York, Inc., 304 Hudson Street, New York, N. Y. For information on Monel address The International Nickel Company, Inc., 73 Wall Street, New York, N. Y.

The range in the illustration above is the new GE Imperial "60" Range with Monel top, made by the General Electric Company.

The Monel sink (also illustrated below with all doors open) is equipped with the new GE dishwasher and the GE Garbage Disposall. Monel "Smartline" table comes from Mutschler Bros., Co., Nappanee, Ind. Steel wall and base cabinets and Monel sink are made by Whitehead Metal Products Co. of New York, Inc. Whitehead also makes rust proof Monel tanks for hot water and automatic gas water heaters.

Monel inherits from Nickel its finest qualities—strength, beauty and ability to withstand rust and corrosion. When you specify metals, remember that the addition of Nickel brings toughness, strength, beauty and extra years of service to steels, iron and non-ferrous alloys.
I want to thank you for your courtesy in sending Home Owners' Catalogs. It assisted me greatly with my home building plans.

Thousands of Prospective Home Owners Have Received This Valuable Book.

THOUSANDS of gratified home owners have described Home Owners' Catalogs in glowing terms—and praised it as an invaluable aid in selecting and buying products for their new homes. Quotations from a few of their enthusiastic letters are printed below.

Home Owners' Catalogs brings a wealth of valuable information relating to home building—in one handsome and completely indexed volume. It describes in interesting manner, and with many color illustrations, hundreds of building materials, equipment and furnishings made by well-known manufacturers.

If you are planning to build—or modernize—a home for your own occupancy, within 12 months, in the 37 states east of the Rocky Mountains, and spend $4,000 or more for construction (exclusive of land) you are entitled to receive a free copy of Home Owners' Catalogs. There are no "strings" to this offer, as thousands of owners who have received the book will confirm. Home Owners' Catalogs is sent by mail, postage prepaid, but EVERY APPLICATION WILL BE VERIFIED BY A DODGE REPRESENTATIVE. Distribution is limited exclusively to those who meet the above requirements.

Accompany your application with a personal letter giving (1) description of your proposed home, (2) when you will build, (3) location, (4) expected cost, and (5) architect, if selected.

APPLICATION

RESTRICTIONS—Home Owners' Catalogs will be sent only to owners who plan to build homes for their own occupancy within 12 months, east of the Rocky Mountains, costing $4,000 or more for construction, exclusive of land. Every application must be accompanied by a personal letter giving (1) description of proposed home, (2) when you will build, (3) location, (4) expected cost, and (5) name and address of architect, if selected.

F. W. DODGE CORPORATION, 119 West 40th Street, New York, N. Y.

I hereby apply for a copy of Home Owners' Catalogs. My letter is attached.

Name .................................. Street ..................................
City ..................................... State ..................................
Telephone ................................

FIRMS REPRESENTED IN VARIOUS EDITIONS OF HOME OWNERS' CATALOGS

American Brass Company
American Lambswool Treating Co.
American Radiator Company
Architectural Decorating Co.
Armstrong Cork Company
Barber-Colman Co. of Mass.
Burtlett Tree Expert Co., F. A.
Bell & Dorrance, Ltd.
Bennett Fireplace Corporation
Bryant Heat Treater. Co.
The Burbank Boiler Corporation
Carey Company, The Phillips
Cedex Corporation, The
Chambers Distributing Co., Inc.
Chase Brass & Copper Co.
Colonial Fireplace Company
Crane Co.
Davy Tree Export Co., The
Delco Fraternity Conditioning Dir.
General Motors Sales Corp.
Detroit Steel Products Company
Donley Brothers Company, The
Exco Metal Cabinet Co., Inc.
Ezra H. Fuller Company, Inc.
Florida Louisiana Red Cypress Co.
Fox Furnace Company, The
Car Wood Industries, Inc.
Hilltopper Corporation
Herman Nelson Corp., The
Illinois Brick Company
International Heater Co.
John-Jonesville Corp.
Kerner Incinerator Co.
Libary-Owner-Find Brass Co.
Lightolier Company
Littlefield-Wyman Nurseries
Majestic Company, The
Metalite Corporation
Metal Lath Manufacturers Association
New Haven Copper Co.
New York Telephone Co.
Overhead Door Co., Inc.
Pittsburgh Plate Glass Co.
Robeson Company
Sashkraft Company, The
Shober, W. & J.
Stanley Woods, The
Streamline Pipe & Fittings
Division Mueller Brass Co.
Tile-Tex Company, The
Trane Company, The
Truscon Steel Co.
Waterman-Waterbury Co.
Wayne Iron Works
Westinghouse Electric Co.
Westinghouse Electric Co.
Whitney Warren Co.
W. Mfg. Co., Inc., Henry
Western Pipe Association

Published by
F. W. Dodge Corporation, 119 West 40th Street, New York, N. Y.
Years of Comfort

YOUR HOUSE is more than something to look at... you are going to live in it. It is, first of all, a roof over your head; a shelter from cold and storm; a refuge of comfort and of security for many years to come.

A house fails in this, its first function, if the roof leaks, if plaster falls, if pipes clog with rust, if drafts, cold and dampness creep in around doors and windows. These troubles need never happen. It costs little to prevent them...it can cost a lot to cure them. The time to think about the vulnerable spots is when you build, buy or remodel. Give thought now to the inevitable results of rust so you can forget them the rest of your life.

Make yours a healthy home as well as a beautiful one. You don't want to spend your life nursing an ailing house. Give yours a strong, rugged constitution...impervious to rust, so that you may enjoy years of comfort.

60 important phases of trouble-prevention, by means of copper, brass and bronze, are discussed in Revere's comprehensive new booklet, "The House You Live In." Dozens of pictures. Authoritative, yet easy to read. This free booklet should prove helpful to every home-seeker and owner. A copy is reserved for you. Fill out coupon below and send it today.

Planning to build, buy or remodel a house? Write for free booklet, "The House You Live In." The pointers it contains plus the expert advice of your architect and contractors may save you endless trouble and expense in the years to come.

Conservators remember Paul Revere as the creator of some of the finest examples of Colonial silverware. The traditions of the Founder are carried on in the great variety of Revere giftware available in your gift or department store. Write for Catalog.

REVERE COPPER AND BRASS INCORPORATED, DEPT. H - 230 PARK AVE., NEW YORK CITY

☐ Please send your new 32-page booklet giving helpful information for home building and remodeling.

☐ Also, please send complete catalog illustrating Revere gifts.

My Name.................................................................
Street......................................................................
City and State........................................................

Please send your 32-page booklet giving helpful information for home building and remodeling.
Here’s why Better Air RADIATOR

Sun-like Radiant Heat from new-style radiators warms living levels—increases P.C.*

Hot air goes up... cold air stays down... but RADIANT HEAT from the latest, scientific, concealed radiators of the American Radiator Company just "sticks around"!

Lateral lines of heat at living levels!... that’s RADIANT HEAT... same as heat rays from the sun!... flowing from smart, new-style radiators and following your every movement with a protective aura of warmth!

In addition, a radiator under the window halts cold drafts that come in at the window and gives the finishing touch to a modern window ensemble!—makes areas near windows warm and livable!—makes floors warm!—makes you comfortable!

A houseful of guests—smoke-filled rooms—P.C.* often calls for circulating air from ducts—but without heat!

When you have a houseful of guests and want circulating air without heat... that’s when you need an air-duct system and a radiator heating system capable of independent operation.

Ordinary air-conditioning provides air circulation only when the thermostat calls for heat... but the New American Radiator Conditioning System gives you a constant supply if, as and when you want it, even when no heat is required.

These newer systems—with ducts for air circulation and radiators for heating—give you the complete flexibility of independent operation which spells comfort, satisfaction and economy under all conditions.

**PERSONAL COMFORT**

To locate nearest American Radiator dealer look in your classified telephone directory under "Air Conditioning Contractors" or "Heating Contractors."

LISTEN IN! American Radiator Fireside Recital... every Sunday 7:30 P.M. E.D.S.T. WJAF—NBC Network.

New AMERICAN RADIATOR

BRING IN FRESH AIR. ADD HUMIDITY. CLEAN THE AIR. CIRCULATE THE AIR. GIVE SUN-LIKE RADIANT HEAT. WARM EVERY ROOM EQUALLY. SUPPLY YEAR-ROUND DOMESTIC HOT WATER.
For radiant living—morning, noon and night—your P. C.* requires uniform heat in every room.

To ensure warmth in every room of the skyscrapers of America, architects and engineers specify American Radiator Heating... and to ensure warmth in your own home, simply specify the world-famous...

They begin below $100 for very small homes... or for more you can install the New Model "A" System, which is the last word in scientific heating... Or, you can have the magic of the new warm water systems, with copper pipe and new thermostats that maintain uniform temperatures and constant RADIANT HEAT.

Over the years fuel and hot water cost more than your heating or air conditioning system.

Year after year you save Service Dollars with American Radiator Heating, because the domestic hot water supply is part of the system... year after year you save Fuel Dollars because of the scientifically designed, water-backed boiler surfaces that get more heat out of less fuel... and year after year you save Repair and Replacement Dollars because your Ideal Boiler is made of time-tested, corrosion-resistant cast iron!

NO CASH REQUIRED. PAYMENTS TO PLEASE!
Get American Radiator Heating now... add Arco Air-Conditioning now or later!... Call your Heating and Plumbing Contractor, and mail the coupon NOW.

AMERICAN RADIATOR COMPANY
43 West 40th Street, New York, N. Y.

Send me your free booklet about Better Air-Conditioning.
Name:
Address:
City or Town: State: 285-9
Your home, like these, can be as up-to-the-minute in construction as the 1938 cars.
Remember those glorious days in May? When the air was so fresh, so balmy, so invigorating? Today you can bring this comfort indoors— all year 'round—with Carrier Automatic Heating and Air Conditioning! It's true air conditioning—the system used in palatial homes both here and abroad.

In winter, your Carrier System does more than heat—it cleans the air, removes dust and harmful impurities. It circulates the air, makes your home uniformly comfortable. And it humidifies the air—ends that uncomfortable, unhealthy dryness forever. With Carrier cooling, the same equipment provides Summer air conditioning—dehumidification, circulation and air purity. Note small space.

In the Harry Allsman home, Tyler, Texas, (above) one Carrier Home Unit provides complete winter air conditioning—heating, humidification, circulation and air purity. Note small space.

Using oil or gas, the Carrier Automatic Furnace (right) is available in two sizes—to meet the requirements of large or small homes. Finished in two-tone baked crackle enamel.

This suspended unit (left) can be used with any automatic heating to provide humidification, circulation and cleaning of air.

Call your Carrier representative today!
Building Booklets

If you’re planning to build—or to add new beauty or convenience to your present home—these booklet will help you to plan and buy expertly. Just write for those you want—to the addresses given here. They’re free unless otherwise stated.

Homes and Equipment

The world’s easiest-to-keep home designed by Hollman, tells the story of the modern, drudgereeless home every woman dreams of. It’s packed with helpful information on the selection of your range, refrigerator, home heating and air conditioning, AMERICAN GAS ASSN., DEPT. G-9, 420 LEXINGTON AVE., N. Y.

Hogdon Houses and Camps is the catalog of a manufacturer who has been producing prefabricated homes since 1926. It shows photos, plans, floor plans, prices—indoor and outdoor camp equipment, garages, kennels and playhouses. E. F. HOGDON, INC., DEPT. G-9, 4706 HOGDON AVE., CINCINNATI, OHIO.

Homes of Steel introduces you to modern homes—fireproof, insulated, ventilated, energy-saving—contracts can be ordered by number from a catalog. It gives ample proof of their charm and flexibility by showing many floor plans and photographs. STEEL BUILDINGS, INC., DEPT. G-9, MIDDLETOWN, O.

The new American home diagram a house that’s planned from the inside out—with perfect pattern of heating and conditioning systems for the vital comfort factors. There are floor plans you can cut out and fit together, to plan your own new home. GENERAL ELECTRIC COMPANY, DEPT. G-9, 579 LEXINGTON AVE., N. Y. C.

Power Pumps and water systems to supply the water to suburban or country homes. Big estates or country cottages are described in detail. POWER AND WATER WORKS, INC., gives the story of price and performance. The T. E. BURGESS & BRO. Co., DEPT. G-9, ASHLAND, O.

Burn-all incinerator answers questions about wood-fired heating. BURN ALL INCINERATOR, DEPT. G-9, 1521 NICHOLLS STREET, SYRACUSE, N. Y.

Your Guide to Dependable Low Cost Heating. Hot Water Heating is a simple discussion of the problems involved, and an explanation of the efficient performance of Pitkethy boilers for oil, gas or automatic stoker. PITKETHY BOILERS, INC., DEPT. G-9, 101 PARK AVE., N. Y. C.

No. 7 Ideal Boiler ushers in a new-type boiler engineered by the famous American Radiator Laboratories—giving all the facts about its economy and efficiency, whether gas, oil, gas, stoker, or hardwood coal. AMERICAN RADIATOR CO., DEPT. G-9, 49 W. 36TH ST., NEW YORK,

Burban home heating helps assists you in deciding which type of heating system is best suited to your needs. It expresses an impartial view of the various types of heating systems and the burning of various types of fuel. BURBANK BOILER CO., DEPT. G-9, LEXINGTON, N. Y. A.

Gar Wood Air-conditioning guide is an introduction into the theory, science and practice of air-conditioning—installation and operation. It items with facts, figures, charts and explanations. CARTER PRODUCTS CO., DEPT. G-9, 477 PARK AVE., NEW YORK.

Wes Weating Heating explains the mechanical principles which control your home heating system. This book is very clear and simple. It makes very clear the difference in performance between a conventional system, and the much more efficient, heat-recirculating Minneapolis-Honeywell type. MINNEAPOLIS-HONEYWELL REGULATOR CO., DEPT. G-9, 1040 S. AVE. S., MINNEAPOLIS, MINN.

Close the door. Here’s an easy-to-understand explanation of the Silent Glow Oil Heater, with which one can switch from gas to oil in a minute or less. It “closes the door” against chill when the automatic controls say “Off.” Diagrams show how it gets more heat out of each gallon of oil. SILENT GLOW OIL HEATING CO., DEPT. G-9, 1477 PARK ST., HARTFORD, CONN.

WELCOMING WARMTH describes an efficient automatic heating system that keeps your home comfortable in the coldest weather. The iron fireman, with its "electrical brain" that sets the thermostat for day and night, and does all the regulating for you. The booklet answers all your questions—how and where to get equipment and how in Minneapolis-HONEYWELL REGULATOR CO., DEPT. G-9, 1040 S. AVE. S., MINNEAPOLIS, MINN.

Automatic Oil Heating goes into helpful and informative detail about the Electro-Way heating of your home. It’s a book that is excellent reading. It makes clear the efficiency points that ensure the best possible performance. ELECTRIC, INC., DEPT. G-9, 934 MAIN AV., CLIFTON, N. J.

TRANe ConveRs are a tell-all about the modern success of the radiator—that gives more comfort and beauty to your home at less cost by using a new type of self-contained heating system. BURNHAM IRON WORKS, HIS, WIS.

SHEPARD SIMPLIFIED STOKER is an engineer’s story of a simple, rugged, compact, cheap and efficient, yet inexpensive, but yet in operation automatically—and keeps the room of your home comfortable in all kinds of weather. SHERIDAN ELEVATOR Co., DEPT. G-9, BOSTON, MASS.

The Carrier Weather-Maker describes an efficient heating system that “manufactures weather” for the home all year round. Learn from this amply illustrated booklet of more than 35 interesting pages, with a picture of what it works and what it does. CARRIER Co., DEMP. 441, 850 FEATHERLIEVEN AVE., NEWARK, N. J.

Floors and Windows

Window B.OWL shows interior and exterior color suggestions with Andersen Windows Wood. It offers solutions to windows, that are economical, comfortable and beauty to your home, with Andersen weatherstrip arrangements, that double window throughout the year. ANDERSON Co., DEPT. G-9, BAYPORT, N.

Better Windows is a booklet that shows how to select and to buy new wood and aluminum long-life windows and doors, with solid aluminum or bronze frames. R. B. MASON, DEPT. G-9, 24-19 TENTH ST., LONG ISLAND CITY, N.

PERMATURE WINDOWS includes windows of bronze and aluminum—both economical and double for air-conditioning; with weatherstrip, weather seal, exterior and interior; kitchen units, modern and complete to the last detail. CRYSTEAL BUILDING SERVICE BUREAU, DEPT. 9h-9C, CLINTON, IOWA.

CURTIS WOODWORK designed to solid lasting beauty into your home in include in beautifully proportioned built-ins that assure year-round comfort; beautiful woodwork, which enhances beauty of furniture and interior; kitchen units, modern and complete to the last detail. CURTIS COMPANY’S SERVICE BUREAU, DEPT. HG-9C, CLINTON, IOWA.

Oak Floor. Problems of laying, finishing and care of fine oak Floors are authoritative dealt with in a little booklet for those who plan to put in new floors, or merely to give right care to old ones. NATION OAK FLOORING MFG. ASSN., DEPT. G-9, 830 DEX curved BLINK, MEMPHIS, TEN.

Gay Floors for Basements Playrooms solves a problem with Alocile, which can be laid in all sorts of colorful patterns, right over cement that comes in contact with the ground. See the many practical suggestions, and splendid designs, in this booklet. ARMSTRONG CORK PRODUCTS CO., DEPT. G-9, 5170 MILLER ST., ST. LUCAS, N. S.

Match your room to your Personality... shows how to design linoleum, carpet or wall coverings, so that their decorative ideas how to get custom cut costs at ready-made prices, with a selection of patterns and designs, that also shows the decorative potentials of linoleum. NAIMAN, Inc., DEPT. HG-1, KARR, N. J.
NEW HAMPSHIRE
Peterborough
F. A. BISHOP CO. Realtors in the Monadnock Region. Owners, agents, tenants. Place property, find property. Tel. 341-7491.

NEW JERSEY
Englewood
C. T. LAMING, INC., 67 Drew St.—Engineered 2-story, stucco, 3 bedroom, 2 bath, $7,500. Complete turn-key. Have full particulars. Tel. 201-861-4577.

Montclair
STANTON CO., 10 Church St., 2-0843, specialists in residential real estate. Sales—Rentals—Loans. Ask for Dorothy Finn.

Tenafly
HELEN S. MARSHALL, New and old homes within twenty minutes of the city. Wooded hideouts; real advantages in real estate. Tel. Eng. 8-3775.

NEW YORK
Westchester County
Bronxville
ELLIOTT BROS., INC., Office Apartments B-B, 51 Station Plaza, Bronxville, 1140-1145. Exceptional apartments in liveable area, close to Railroad and neighboring communities.

Chappaqua, N. Y.

Debby Ferry
ADA F. WHITE, 36 Spruce Blvd. (Allant and Park Ave.), Chappaqua, 11714, Farms, Ponds—Rentals—All the Hershey Highlands.

Larchmont

New Rochelle

Poundridge

Scarsdale
NASH and BUERG, 26 E. Parkside, Scarsdale, Tel. Scarsdale 5-8900. Specializing in Scarsdale properties that are going to go up or around Scarsdale. Let us know your needs, and we will do our best to fill them.


White Plains

Pennsylvania
Bucks County

Leesburg

Warrenton
J. GREEN CARSON, Best offerings in Northern Vir­ginia. Specializing in estates of all types and owners. Information to definitely interested persons.

Short Hills, N.J.
Protected residential plots in rolling wooded land, divided to suit the needs of acceptable people.

HARTSHORN ESTATE: Tel. 7-0125

The Charm of the Old South

CALIFORNIA
Beverly Hills

CONNECTICUT
Darien
CHADDETON & SON, 143 Post Blvd., Tel. 205-222, Special offer of new homes for individual reception at 1st term.

R. E. DELAFIELD CO., First St. Place, New Canaan, Round Hill, and Darien Real Estate, Darien and New Canaan. Tel. 1-0-36.

NADAL & GLASS, Chatham Real Estate Co., Post Blvd., Darien, 12 rooms, 2 bath, $18,000. Tract in Darien vicinity.

THE G. LEVY KEMP CO., Real Estate, 18 Greenwich Ave., Darien, 1812, One and two story homes—Four bedroom homes, 租房，有租约和出租细节。Tel. Eng. 3-7711.

WHEELER REAL ESTATE, Tel., 1140, Darien. Authentic Old Colonial, built 1820, thoroughly modernized in keeping with its original character. Delightfully situated on inlet of Long Island Sound. Near 2 acres with 450 ft. of waterfront, half acre, garden, playroom, 4 baths, heated with modern oil burner. 5-Car garage with 3-room apartment above, attached greenhouse, both buildings heated. $35,000.

Fairfield
THE FAIRFIELD LAND & TITLE CO., Post Road, Fairfield, 1140, Property in Westport, Norwalk and Stamford. Also average and seasonal rentals.

Greenwich
GEORGE S. BALDWIN, Post Road, Tel. 1600. Dependable Real Estate, Every type Home, Small Houses. Average, Seasonal and yearly rentals.

THOMAS N. COOK, INC., Post Road, Tel. 200. At Greenwich for the past 26 years, Country homes, studios, seaside, farms, and building lots.

EDISON & EDISON, Post Road Blvd., Tel. 222. Reliability Real Estate, contact on the conscientious rental of Greenwich properties since 1899.

LADD & NICHOLS, INC., Post Road, Tel. 1122, Greenwich and Fairfield County properties exclusive. NoSnobbery. Attractive.

THE A. W. MARSHALL CO., 14W. Putnam Ave., Darien, 1140, New or Old home to suit any taste. Low taxes.

New Canaan
JOHN BROTHERWOOD & CO., Tel. 1206, Country homes small and large. Estate, investment, summer, estate yearly rentals.

Westport
W. F. OSBORN, P.O. Blvd., Tel. 7452. Why not own a real estate company? The most co-operative company in the Westport Real Estate field.

WHEELER REAL ESTATE
Tel. 1140
Darien, Conn.

Investment Opportunities
We offer several properties of 25 to 20 acres for profitable development. Also business properties assuring high returns. Write:

WHEELER REAL ESTATE
Tel. 1140
Darien, Conn.

237 PLANS
For Home Builders in 1-, 2- and 3-Bedroom

Scores of Unique Interior Plans and Exterior Ideas
217 designs of homes to suit every climate with floor plans, elevations and specifications. All one story, one and two story homes—1 to 40 rooms—1 to 20 bedrooms. Monterey, Ranch, Spanish, Colonial, English and American. Each one an architectural gem. Every one of the large 52 pages handsomely reproduced. gorgeous, 24"x36". All eight books for only $2.50 while they last, save you $2.50. Money back if not satisfied. Cash, check, money order or send C. O. D. CLEVELAND PUBLICATIONS (Publishers to the Building Industry), Dept. Act. 380 E. 61st St., Los Angeles, California.

CALIFORNIA

COUNTRY REAL ESTATE AS INVESTMENT—It is the consensus of opinion of many students of finance that most of the great American fortunes were made in real estate. Even those fortunes made in railroad building were accumulated through real estate concessions obtained with the original grants for the rights of way.

Today, opportunities still exist for making money in country real estate, and it is not always necessary to hold the property for a number of years to obtain profits. Let us take a concrete example. Last October a property of 24 acres, containing an old house and located in a high district of Darien, Conn., was purchased at a fair value. The new owner built a new road to develop the rear land and divided the property into 11 plots of 1 to 4 acres. At this writing all the plots but two—approximating 2 acres apiece—have been sold and the owner has realized a profit of 100% on the actual money invested. The 2 remaining plots should bring the owner's profit to at least 150%, and he will probably make a turnover on all the land before his year of ownership is over.

This is not an isolated case. Last summer another piece of Darien property, consisting of 27 acres which had long been neglected, was surveyed. A topographical map was made, a road laid out and the property divided into 8 plots of from 2 to 4 acres each. The road was finished last fall and by April of this year all the plots were sold at a satisfactory price to the owner.

Do not expect to purchase land and have the land make you rich. You have to help your land increase in value. Of course, extensive highway projects—like the new Merritt Parkway in Connecticut—will raise property values. But opening a road in your property, building a pond or lake, or even clearing out paths through the underbrush will do more towards appreciating land values than waiting for the golden apples to fall in your lap.

We will find it for you...

ARE you looking for a house in Westchester—average in Connecticut—an estate on Long Island—or property elsewhere? If so write to us and discuss your requirements. At no obligation to you we will search for the one place that best fits your needs and your price.

Ours is an independent organization—has no particular loyalty to "sell." Our job is to find the place you want—wherever it may be.

2420 Lexington Ave., N. Y. C.
Phone MOhawk 4-3932

Dexter & Terwilliger

PLANS

Lawrence Properties
Apartments • Homes
The Hotel Gramatan
Acreage • Offices • Stores
Lawrence Farms (Mt. Kisco)
Office: 4 Valley Road, BRONXVILLE

in the Plymouth Road Section of DRUID HILL
SUMMIT, N. J.

This delightful Northern Colonial Estate contains 9 rooms, 1 bathroom, on one floor. A large den. Price: $25,000 on sight $12,000 plus. Other homes from $14,000. All homes designed and built under the personal supervision of the owners. Illustrated booklet on request.

COMMONWEALTH LAND CO.
FREDERICK C. VAN DOER, Inc., Building and Monuments Dept., 380 Bedford Ave., Brooklyn, N. Y.
Phone: Summit 6-1176

House & Garden 9
BUILDING BOOKLETS

CONTINUED FROM PAGE 8

MODERNIZE YOUR HOME. This folder brings your ideas for design and color effects that can be worked out with Wright Rubber Tile Floors. They're easy to install, quiet underfoot—a smart, lasting background for décors. Do not overlook Resident Rubber Products Co., Dept. G-9, Racine, Wis.

GOODYEAR RUBBER GROUNING gives you detailed facts about a handsome-some and permanent floor finish that comes in either sheets or tile. It shows 50 of the attractive colors which you can use alone, or with contrasting harders. Goodyear Tire & Rubber Co., Dept. G-9, Akron, Ohio.

CLOSE THE WINDOW. Here's an adequate study of an item too often overlooked in building—the right casement hardware to close an out-swinging sash over a sink, and to ensure convenient handling of every casement window in the house. Caseley Hardware Co., Dept. G-9, 406 S. Wood St., Chicago, Ill.

THE NEW T X one piece water closet is shown in a folder giving important information on this modern bathroom fixture. In white or biscuit, it can be installed in corners, under stairs or windows; quiet, sanitary, and economical. Price $1.00. AV. A. Case & Son, Dept. E, 33 Main St., Buffalo, N. Y.

INDIVIDUALIZED BATHROOM LIGHTING. New and practical are these bathroom mirror cabinets with lights that slide up and down at the edge of the mirror, so that each person can use them at just the right height. The folder shows half a dozen cabinet styles, Faries Mfg. Co., Engle-Lite Div., Dept. G-9, Decatur, Ill.

FOR BETTER LIVING, G. E. invites you to "come out of the kitchen and enjoy life", showing such perfect electrical kitchens that you'll want for the first time to stay in and enjoy the kitchen. General Electric Co., Dept. G-9, Nela Park, Cleveland, Ohio.

VITRILITE BATHROOMS AND KITCHENS shows rooms with wall-covering, walls and ceilings of "structural" glass, stunning colors, gleaming with luxurious beauty that lasts more expensive than it is. Libby-Owens-Ford Glass Co., Dept. G-9, Toledo, Ohio.

Building Materials

PHILIPPIE HAMOGANY gives you some inside information about this luxurious, yet economical tropical hardwood, showing its attractive paneling for distinguished homes—in trims, doors, stairway railings, and in many fine books. PHILIPPIE HAMOGANY MFG. IMPORT ASSN., Dept. G-9, 111 W. Washington St., Chicago, Ill.

INSULUX GLASS BLOCK discloses very fully the features and advantages of the architectural glass that is adding cost estimates and information on this modern bathroom planning. It goes thoroughly into construction details, and suggests effective applications of glass bricks in a present-day home. Owens-Illinois Glass Co., Dept. G-9, Toledo, Ohio.

MASONITE IN Home Design, Construction and Decoration is a book brimming with ideas—with new schemes in full color, and actual photographs showing homes with Masonite Insulation—wall treatments built with Prespwood, and kitchens immaculate with Temptile walls. Masonite Corp., Dept. H-9, 111 W. Washington St., Chicago, Ill.


SNOG ROOMS OF FRIENDLY WOOD is a portfolio of attractive small houses—with plans and elevations, full color, and information on construction methods—and types of wall paneling, ceiling treatments, and specifications. Price is $1.00. Arkansas Soft Pine Bureau, Dept. G-9, Little Rock, Ark.

AMERICAN WALNUT for Interior Woodwork and Paneling contains fine photographs of rooms richly paneled in walnut, in period Historical and modern treatments. It shows the grainings obtainable, and the patterns to be had in doors and trim, and covers quality, wood and cost. American Walnut Assn., Dept. G-9, 616 S. Michigan Ave., Chicago, Ill.

This home built on the Johns-Manville "Triple Insulation" principle of protection against fire, weather, and wear, 7 rooms, 3 baths, extra Powder Room, over ½ acre, 2-car garage, $16,500.

WILMOT WOODS... the new Colonial Village in the Scarsdale-Heathcote section of Westchester.

HOW TO REACH WILMOT WOODS: From N. Y.—via Bronx River Pkwy to Scarsdale. Turn right at Pough Rd. (one block left to Village Hall—then right on Drake Rd. to property.}

WILMOT WOODS

Why sign another $100
Lease this Fall, when...
...by this time next year, you could have lived in a lovely home of your own, in WILMOT WOODS, like one of those pictured. Your $100 Rent Checks would have covered all charges paid off $550 on the mortgage! A sensible down payment gives you title immediately. Years fly by! Before you know it, you own your home free and clear instead of a stack of Rent Receipts.

Meantime, you would have the cachet of an exclusive address, in one of Westchester's most beautiful residential parks. Your children would have grown up among the wide lawns and tall trees of Wilmot Woods (no house in the entire Village stands on less than ¼ acre). Their companions would be the children of Gentlefolk, like yourselves, with similar background and traditions. We have a number of homes ready for occupancy—prices begin at $11,000. We'd like to show you them—and our Model Home, furnished by W. R. THORNE, of White Plains. Drive out any evening, after dinner. We hold open house until ten o'clock. Free Booklet on request to Wilmot Woods Colonial Village, Scarsdale P. O.

Kitchen and Bathroom Equipment

THE WHITEHOUSE LINE is a catalog of fine steel units for modern kitchens and pantries—with photographs of beautiful kitchens—blueprints of their plans—and specifications of the handsome, durable metal cabinets that embody every possible new convenience. James & Kirtland, Inc., Dept. G-9, 1050 Park Ave., N. Y. C.

THE KITCHEN OF YOUR DREAMS shows a number of delightful kitchens for small and large families, and contains details about the Curtis cabinets that make up their modern, straight-lined, economical kitchen. It adds a small sheet for use if you'd like Curtis to help you plan. Curtis Cabinet Co., Dept. G-9, Clinton, Iowa.

ROPER GAS RANGES points out many interesting new Roper features which provide cooler kitchens, cleanliness, economy, and speed. You will be interested in seeing the "Waterless" cooking chart which accompanies the booklet. George D. Roper Corp., Dept. G-9, Rockford, Ill.

NEUVOGUE for the Modern Bathroom introduces new features of fresh, functional design—adding beauty to utility and efficiency, in tubs, lavatories, and all the fittings for a luxurious but not too expensive bathroom. It shows it standard colors besides white. Crane Co., Dept. G-9, 816 S. Michigan Ave., Chicago, Ill.

MONEL METAL in the Modern Kitchen is a booklet of inspired ideas and practical suggestions for the finest of modern kitchens—with photographs, cost estimates, and a "handbook style" history of monel metal. International Nickel Co., Dept. G-9, 73 Wall St., N. Y. C.

PLANNED PLUMBING AND HEAT­ING starts with bathrooms and kitchens—their color schemes—their plans—and the new techniques and fixtures to make them compactly efficient—and charming. To solve heating problems this folder booklet also shows modern boilers. Kuhler Co., Dept. J-6-11, Holland, Wis.

ART METAL kitchen cabinets, and all the sectional parts that go to make up the modern kitchen are pictured for your detail in the Art Metal House­hold Institute's new booklet, Art Metal Household Institute, Div. of Art Metal Construction Co., Dept. G-9, Jamestown, N. Y.

MODERN BATHROOMS FOR OLD take another look at the neglected, old bathing rooms, and shows how to make them cheerful and modern without exceeding a fortune. A colorful Church Sanil-San is an inexpensive starting point. C. F. Church Mfg. Co., Dept. H-9, Hopk­ton, Mass.

This home built on the Johns-Manville "Triple Insulation" principle of protection against fire, weather, and wear, 7 rooms, 3 baths, extra Powder Room, over ¾ acre, 2-car garage, $16,500.
Whom are the best prospects for the house you have to sell? People who rate a home more important than jewels. Who take joy in the possession of gardens or acres of their own. Who find reading about houses and gardens as fascinating as fiction. In short—House & Garden's readers, the most home-minded people in every community. You can reach them through the Real Estate pages of House & Garden.

HOUSE & GARDEN'S REAL ESTATE DEPARTMENT
420 Lexington Avenue, New York City

A STUDY IN GOOD TASTE

Formerly the 46-acre estate of Mr. Herbert Cottrell, Cotswold surrounds its homes with broad expanses of lawn, aged trees and magnificent shrubbery. It makes a unique appeal to those who appreciate the advantages of living among carefully selected neighbors in an environment of quiet exclusiveness and natural beauty. Houses ranging in price from $12,000 to $20,000 are now open for inspection. Directions: Route 4 to Grand Ave., Englewood, continuing on Englewood through Englewood, continuing on Englewood St. to Oak St., Tenafly.

COTSWOLD
TENAFLY NEW JERSEY

GENERAL ELECTRIC HEATING AND AIR-CONDITIONING SYSTEM

was selected for this superb Colonial residence because our investigations found that it is the best the market affords. The house pictured contains 7 rooms, 3 baths, screened porch topped by sun deck, built-in 2-car garage. Price complete—$18,000.

Marvelously Situated ... with Inspiring Views

THIS new home will be the happy culmination of someone's search for a perfectly satisfying home in an ideal setting.

Among noticeable features of the house are the warm-toned Anaconda standing-seam copper roof, and the delightful texture of the handmade brick exterior. Contrasting white columns and trim add a distinct feeling of the Greek revival to its fine Georgian lines.

One side of the dining room is virtually a huge window. Framing a landscape masterpiece of valley and distant hills. The living room gives upon a raised terrace on two sides with equally enchanting views. The grounds, comprising several acres, have old shade and apple trees and space for extensive gardens.

Lawrence Farms itself offers Protected Country Life, with stables, miles of private bridle paths, club with tennis, swimming and championship golf course for its members, a quaint wayside inn, and The Westchester Playhouse . . . all within easy commuting distance of Grand Central.

Off for my GREEN MOUNTAIN HOME

For a superb eating and thrilling tour—choose Vermont in the Fall, "golden season" when the varied shades of evergreen and vivid coloring of hardwoods combine in a burst of foliage beauty for which Green Mountain-land is justly famed.

Make your trip a shopping tour. Inspect the hundreds of summer home sites that need only the magic touch of the enthusiast to make you a proud country dweller—at surprisingly modest cost. Underhill Farm buildings in scenic settings often require but slight alteration to fit them to your dream plans for ideal country life.

FREE Summer Home Book by Dorothy Canfield

What Vermont has to offer is set forth with charm and candor in a brochure by this famed writer. Send for your copy and be introduced to the formula for a new way of living; among folks you would choose as neighbors and friends. Free Book listing "Vermont Farms and Summer Homes for Sale", also sent on request.

Dept. of Conservation & Development
Publicity Service, 8 State House, Montpelier, Vermont.

OFF FOR MY VERMONT HOME

For a superb eating and thrilling tour—choose Vermont in the Fall, "golden season"—when the varied shades of evergreen and vivid coloring of hardwoods combine in a burst of foliage beauty for which Green Mountain-land is justly famed.

Make your trip a shopping tour. Inspect the hundreds of summer home sites that need only the magic touch of the enthusiast to make you a proud country dweller—at surprisingly modest cost. Underhill farm buildings in scenic settings often require but slight alteration to fit them to your dream plans for ideal country life.

FREE Summer Home Book by Dorothy Canfield

What Vermont has to offer is set forth with charm and candor in a brochure by this famed writer. Send for your copy and be introduced to the formula for a new way of living; among folks you would choose as neighbors and friends. Free Book listing "Vermont Farms and Summer Homes for Sale", also sent on request.

Dept. of Conservation & Development
Publicity Service, 8 State House, Montpelier, Vermont.

FREE Summer Home Book by Dorothy Canfield

What Vermont has to offer is set forth with charm and candor in a brochure by this famed writer. Send for your copy and be introduced to the formula for a new way of living; among folks you would choose as neighbors and friends. Free Book listing "Vermont Farms and Summer Homes for Sale", also sent on request.

Dept. of Conservation & Development
Publicity Service, 8 State House, Montpelier, Vermont.

MONFORT HILLS
Port Washington, L. I.

A Grand Place to Live

MONFORT HILLS is a grand place to live. It has stately old trees, one of the highest hills on Long Island, and a magnificent view over Manhasset Bay and Long Island Sound . . . yet it is only three blocks from the station, school and shops.

There is only one Monfort Hills, and there is no other place quite like it—no other place with quite the same advantages. There are less than one hundred plots available, and when they are gone, there can be no more. There is a wide selection of homes for immediate occupancy from $10,500 to $19,800.

Drive out Northern Blvd., turn left on Port Washington Blvd., (Route 101) 2 1/2 miles to Monfort Hills.

WHITSON IMPROVEMENT CORPORATION
Beacon Hill Road, Port Washington, L. I.

Who Buys Houses?

Who are the best prospects for the house you have to sell? People who rate a home more important than jewels, Who take joy in the possession of gardens or acres of their own. Who find reading about houses and gardens as fascinating as fiction. In short—House & Garden's readers, the most home-minded people in every community. You can reach them through the Real Estate pages of House & Garden.
Any Style you need with the NEW "DUAL-THRIFT" BURNER

De Luxe Glenwood Gas Range with Divided Top or Six-burner Top.

New 200 Series Gas Range—An ultra-modern style at a surprisingly low price.

GLENWOOD "Makes Cooking Easy"

A NEW GLENWOOD RANGE will bring practical advancement to every phase of cooking performance. Speed, dependability, economy, flexibility... all the advantages of gas service are brought to the peak of perfection in any range bearing this famous name. Glenwood ranges are available in a wide variety of styles and models... Equipped with every automatic feature and built to give enduring service, you’ll find a model to fit your requirements. Especially adapted for tank gas service for homes beyond the gas mains.

"There’s nothing like GAS for cooking"


Please send me literature checked:

De Luxe Gas Ranges □ 9100 Utility □
New 200 Series □ 114 Gold Medal Comb. □

Name ____________________________
Address __________________________
City ____________________________ State ____________

THE new Glenwood "Dual Thrift" burners offer a real contribution to the efficiency and economy of top cooking. Faster and more flexible... a thousand cooking heats with finger-tip control — from intensely hot down to a mere warming temperature. Prevents boil-overs, scorching... reduces pot watching. Either Glenwood straight gas ranges or the extra-service combination models provide the benefits of "Dual Thrift" top cooking.

How "DUAL THRIFT" saves!

Turn the burner on full and you get intense boiling heat — instantly. Scientifically placed at just the right distance and angle, the flame insures even distribution of heat with a minimum of fuel.

Saves! Saves!

Tune the burner down to "click"... and the tiny "simmer-center" flame will supply just enough heat to continue the cooking... Cutting down excessive boiling heat saves fuel and valuable food vitamins.

BUILT FOR YOU BY Glenwood

FAMOUS FOR HIGH GRADE RANGES
HOUSE & GARDEN

PRESENTS 30 HOUSES FROM ITS
ARCHITECTS' COMPETITION OF 1937

FOUR PRIZE WINNERS
FOUR HONORABLE MENTIONS AND TWENTY-TWO OTHER HOUSES SELECTED
FOR THE EXCELLENCE OF THEIR DESIGN

WINNERS

CLASS ONE
7 TO 10 ROOMS

FIRST PRIZE: Perry M. Duncan, New York, N. Y.
SECOND PRIZE: Gardner A. Dailey, San Francisco

CLASS TWO
6 ROOMS AND UNDER

SECOND PRIZE: W. W. Wurster, San Francisco

HONORABLE MENTIONS

Class I: John Matthews Hatton & Ralph Spearman Myers, New York, N. Y.; Frank W. Green, Los Angeles, Cal. Class II: James W. Kirst, Yonkers, N. Y.; Reinhard M. Bischoff, West Hempstead, N. Y.

ARCHITECTS OF HOUSES IN THIS ISSUE

1. Perry M. Duncan ..... 16
2. Gardner A. Dailey ..... 18
3. F. C. Stanton ..... 20
4. William Wilson Wurster ..... 22
5. John Matthews Hatton Ralph Spearman Myers ..... 24
6. Frank W. Green ..... 25
7. James W. Kirst ..... 26
8. Reinhard M. Bischoff ..... 27
9. H. Roy Kelley ..... 28
10. Royal Barry Wills ..... 29
11. Polhemus and Coffin ..... 30
12. Henry K. Harding ..... 31
13. Randolph Frantz John M. Thompson ..... 32
14. Savery, Scheetz & Gilmour ..... 33
15. Royal Barry Wills ..... 34
16. Carlos B. Schoeppl ..... 35
17. Royal Barry Wills Hugh A. Stubbins ..... 36
18. Hunter McDonnell ..... 37
19. David J. Abrahams ..... 38
20. J. Douglas Lorenz ..... 39
21. Benson Eschenbach ..... 40
22. Erle Webster Adrian Wilson ..... 41
23. Schreier and Patterson ..... 42
24. Gilbert P. Hall ..... 43
25. Kenneth W. Dalzell ..... 44
26. Schreier and Patterson ..... 45
27. H. Roy Kelley ..... 46
28. Barber and McMurry ..... 47
29. Harold O. Sexsmith ..... 48
30. Ralph C. Flewelling ..... 48
Notable entry list for House and Garden's first annual Architects' Competition is judged by three outstanding architects and the editors. New Yorker wins in Class I.

Caught by the candid camera in various attitudes of rapt concentration, the judges of House & Garden's Architects' Competition are here presented to our readers. These hard-working men should be of special interest, because they constitute, in fact, a client looking for an architect. Therefore the reader who has built a house may review with sympathetic understanding the history of their deliberations; and the reader who contemplates building a house will profit by learning their technique of selective criticism. For what they have to say, as briefly reported here, comprises the considered attitude of recognized authorities on the subject of contemporary residential architecture. Here is what they look for in the design of a house; and we who are about to build might well profit by looking for the same things.

The judges, six in number, were: Harrie T. Lindeberg, of New York, architect, and one of the great leaders of the profession; David Adler, of Chicago, architect, whose rare ability and wide experience place him, with Mr. Lindeberg, in a notably prominent position; Allmon Fordyce, architect, of New York, sometime instructor in architecture at Yale University, at present concerned in planning the New York World's Fair, the Chairman of our jury; Richardson Wright, Editor of House & Garden; Henry Humphrey, and Arthur McK. Stires, also of the House & Garden staff. Serving as architectural advisor during the contest was Edgar I. Williams, architect and member of a Committee on Competitions of the American Institute of Architects.

The duty of these judges was to examine photographs and plans of homes designed by registered architects within the past three years and to award certain prizes to those whom they found most deserving. The houses were divided into two classes, according to size: Class I, houses of 7 to 10 rooms, inclusive; Class II, houses of 6 rooms and under.
First Prize in Class I was a cash award of $500 and the commission to design the House & Garden Ideal House for 1938, plus an honorarium of $750. Second Prize in this class was a cash award of $250. In Class II the winner received $500 and the commission to design the House & Garden 1938 House-for-Two, plus $250 for plans and sketches; Second Prize award was $250. Two Honorable Mentions, in each class, carrying prizes of $50 each, were also awarded.

This was no ordinary competition, for it involved not merely the usual awarding of a prize for meritorious work, but the selection of an architect to design a house in accordance with the highest standards of this magazine. Thus the jury found itself in the position of a prospective client with all the attendant problems of critical analysis. It examined entries, from every part of the United States, composed of photographs, plans and elevations. No architect's name was allowed to appear on any of these. Without fear or favor the judges praised or condemned famous and unknown alike, looking for those things which make for good planning, good design—in other words, good architecture as of this year, 1937. Obviously, they reasoned, when you find that you find a good architect.

Here, in brief, is how this jury, the client, went about picking an architect. Picking, incidentally, is the word, because it was done by picking designs apart, picking plans apart, finding out how well or ill they measured up to certain specific standards of good architecture. The following notes, selected from the critical expressions of our judges, will furnish an example of what these standards were and how they were applied.

In the matter of styles our jury showed a properly broad view, holding no special brief for any (Continued on page 50)
FIRST PRIZE CLASS I
A determining factor in the design of this residence was the presence of a relatively steep hill, sloping toward the rear of the site. A solution to this problem was reached, as may be seen on the plans on the next page, by placing the entrance between the first and second floor levels, the entry constituting, in effect, a landing in the stairway. The jury felt that the plans showed evidence of careful study in every part, the rooms being well-proportioned, well-related, and endowed with appropriate individuality. Especially commendable are the provisions for outdoor living and the manner in which the terraces, loggia and landscaping are adapted, both in design and in function, to the house itself. In appearance, the house derives its form from a direct expression of the plan in the clean-cut, simple style which we have come to associate with California. In the rear perspective, at left, note the stair-hall windows, shown in detail on the next page. Completed in February, 1936, this 64,717 cubic foot house (without garage) cost $22,000 at .34 a cubic foot.
The first prize winner in Class I of our Architects' Competition receives the commission to design the House & Garden Ideal House for 1938. As explained in the article on page 14, this consideration weighed heavily with the members of the jury. They sought, among the many entries submitted, one which showed a high degree of creative ability combined with an appreciation of fine design and sound planning. The jury was satisfied that it found such qualities in the architect of the house shown on this page. It felt that he had solved his problems with skill and finesse, had evolved a design which was pleasing from every angle, and had handled details and materials with good judgment and to good effect.

It is characteristic of good architecture that it looks easy. The problems have been well solved and are therefore no longer in evidence. Such is the case here. For example, the house has its entrance rather near the street, so the architect devised the forecourt flanked by wings symmetrically disposed to give a feeling of privacy and dignity to the approach. Other outstanding features are the oval stair hall, the interesting garden room which commands a full view of the broad, tree-lined lawn, the upstairs sitting room and the convenient, attractive arrangement of the bedroom suites. The service wing is worked out with admirable skill.

This house was completed in September, 1936, and contains 80,000 cubic feet. G. Richard Davis and Co., of New York, were the builders.

CONSTRUCTION DATA

WALLS: Brick veneer, whitewashed two coats.
INSULATION: Walls, and over 2nd floor ceiling.
ROOF: Red slate, 16" random width, 6 1/2" to weather.
WINDOWS: Wood, double hung, zinc weather stripping.
HEATING: Winter air conditioning, gas fired.
FLOORS: Main rooms and halls, plain sawed clear
oak, stained; garden room, hand made faience tile;
baths, tile; kitchen and pantry, linoleum; loggia,
terrace, and entrance porch, brick.
COLOR SCHEMES: Walls, white; roof, red; trim,
white; blinds, red.
CONSTRUCTION DATA

WALLS: Brick and vertical boarding on wood frame.

INSULATION: Thermal insulation in second floor ceiling, sound insulation in certain partitions.

ROOF: Slate applied over roofing felt.

WINDOWS: Wood casement equipped throughout with roller screens and venetian blinds.

HEATING: Filtered and humidified forced warm air system, fired by oil burner.

FLOORS: In main rooms and halls, clear white oak laid over spruce sub floor; elsewhere, cork and linoleum.

COLOR SCHEME: Walls, white; roof, slate black; trim, white; blinds, white.
FIRST PRIZE

F. C. STANTON, ARCHITECT AND OWNER,
Bellingham, Wash.

THE REAR ELEVATION OF MR. STANTON'S HOUSE

HOUSE & GARDEN

20 SECTION II
awarding the First Prize in Class II to this house twenty miles from the Canadian border in the State of Washington, the Jury commended its clean lines, restrained ornament, and the simplicity of its plan.

The architect-owner's problem was, as he states it, "to design a minimum-sized, low-upkeep dwelling for four adults, requiring separate bedrooms, on a small, steeply sloping plot with a view of Puget Sound to the west. Building restrictions dictated the location of the house on the lot. Grilled windows and the position of the stairs assure privacy from the street." Completed August 1, 1936, Mr. Stanton's house contains 20,000 cubic feet and cost $6,000 to build at 30 cents a cubic foot. Construction costs are low in this section.

**CONSTRUCTION DATA**

WALLS: Flush siding on wood frame.

INSULATION: Walls and 2nd floor ceiling.

ROOF: Wood shingles.

WINDOWS: Wood, double hung.

HEATING: Forced circulation, high temperature hot water system; coal stoker, bin fed. Split-type air conditioner for living room.

SECOND PRIZE CLASS II

WILLIAM WILSON WURSTER, ARCHITECT
MR. GEORGE J. SEEBE, Ross, Cal.
The creative spirit is as essential to good architectural design as to any other form of art. When architecture becomes so stylized, so hedged about with tradition, that it shows neither originality nor progress it has little validity as a contemporary contribution. The Jury of our Architects’ Competition were happy to discover, in the house shown on these two pages, that freshness and vitality which bespeak the creative architect.

It is important to note that Mr. Wurster’s design, while it leans on no traditional style, does not, on the other hand, attempt any radical departure from the forms to which we are accustomed. The architect has been content to effect, first, a comfortable and attractive solution of the problem, in plan, and then—weighing such considerations as climate, cost, materials, and function—to let his design take shape naturally. That the result is infused with the indefinable stamp of the architect’s own good taste and judgment, goes without saying.

There are stringent limitations imposed on the designs of a small house which are felt to a considerably lesser degree in the case of a large one. Relatively little opportunity exists for evolving an interesting composition in the mass of the house. The plan must be extremely simple and direct, yet somehow must be attractive. It is, therefore, most commendable that in a house of only six rooms, Mr. Wurster succeeded in producing a design of such variety and interest.

The size of the house and garage, together, is 27,000 cubic feet and the architect estimates the total cost of the building at $10,850 or approximately 40 cents per cubic foot.

**CONSTRUCTION DATA**

*Walls:* Redwood shiplap on wood frame.
*Insulation:* Over 2nd floor ceiling.
*Roof:* Untreated cedar shingles.
*Windows:* Wood, double hung.
*Heating:* Oil burning warm air system.
*Flooring:* In main rooms, plain select white oak.
*Color Scheme:* Walls, white; roof, natural weathered; trim, white; blinds, none.
HONORABLE MENTION
CLASS I

In designing this delightful home, the architects demonstrate their understanding of the Neo-classic style by handling it with a certainty and enthusiasm which is highly commendable. The detail, while eloquent of the classic tradition, is simple, appropriate, and convincing. The bays which flank the entrance are especially noteworthy. In the plan, we find the living room and portico extremely inviting, while the bedroom above shows an unusually attractive arrangement. The practical features of the plan are well provided for. Completed in February, 1936, this house contains 45,803 cubic feet and was built at a cost of $16,489.

CONSTRUCTION DATA

<table>
<thead>
<tr>
<th>WALLS:</th>
<th>Brick veneer</th>
</tr>
</thead>
<tbody>
<tr>
<td>INSULATION:</td>
<td>Walls and 2nd floor ceiling</td>
</tr>
<tr>
<td>ROOF:</td>
<td>Composition</td>
</tr>
<tr>
<td>WINDOWS:</td>
<td>Wood, double hung</td>
</tr>
<tr>
<td>HEATING:</td>
<td>Winter air conditioning</td>
</tr>
</tbody>
</table>

COLOR SCHEME

<table>
<thead>
<tr>
<th>WALLS:</th>
<th>Red</th>
</tr>
</thead>
<tbody>
<tr>
<td>ROOF:</td>
<td>Green</td>
</tr>
<tr>
<td>TRIM:</td>
<td>White</td>
</tr>
<tr>
<td>BLINDS:</td>
<td>Green</td>
</tr>
</tbody>
</table>

HOUSE & GARDEN
**CONSTRUCTION DATA**

<table>
<thead>
<tr>
<th>WALLS</th>
<th>Brick veneer</th>
</tr>
</thead>
<tbody>
<tr>
<td>INSULATION</td>
<td>Living room ceiling</td>
</tr>
<tr>
<td>ROOF</td>
<td>Wood shingles</td>
</tr>
<tr>
<td>WINDOWS</td>
<td>Wood, double hung</td>
</tr>
<tr>
<td>HEATING</td>
<td>Gas; hot air</td>
</tr>
</tbody>
</table>

**COLOR SCHEME**

<table>
<thead>
<tr>
<th>WALLS</th>
<th>Cream</th>
</tr>
</thead>
<tbody>
<tr>
<td>ROOF</td>
<td>Brown</td>
</tr>
<tr>
<td>TRIM</td>
<td>White</td>
</tr>
<tr>
<td>BLINDS</td>
<td>White</td>
</tr>
</tbody>
</table>

---

**HONORABLE MENTION CLASS I**

One of the interesting features of this home is the manner in which the house is related to the grounds. As a matter of fact, the outdoor areas are as much a part of the house as any of the rooms, being planned with the same care to fulfill functions no less definite. Such intensive and intelligent use of the lot affords not only privacy and a maximum use of the property but offers an attractive outlook from every room. It is of course ideally suited to the California climate. This house was completed in December, 1935, and contains approximately 25,000 cubic feet, exclusive of the garage. Cost estimates are not available.
There is a quality of rhythm in good architecture, and when a house fits nicely on its site, is well balanced and attractively composed from every angle, as in the case of this Colonial type home, we may be sure it is not by accident but by design. An interesting feature of the plan is that it provides for certain changes as family requirements change. Thus two bedrooms may be added on the second floor without exterior alteration, while on the ground floor one bedroom may become a library and the other a maid’s room. This house contains 24,000 cubic feet and cost $7,200.
CONSTRUCTION DATA

WALLS: Brick veneer
INSULATION: Walls and 2nd floor ceiling
ROOF: Slate
WINDOWS: Wood, double hung
HEATING: Oil; steam

COLOR SCHEME

WALLS: White
ROOF: Black
TRIM: White
BLINDS: Blue

HONORABLE MENTION
CLASS II

The excellence of this design is due in part to the plan, which provides attractive rooms, good circulation, plenty of light, and adequate storage space. But we also find, in the exterior, the distinctive mark of a good designer. The composition is handled with directness and simplicity, yet with careful regard for good proportion, balance, and an understanding use of structural materials. All details are kept in appropriate scale, nothing too much is added for the sake of mere embellishment—the downfall of some otherwise good designs—and the result is pleasing. This 28,500 cubic foot house, completed in April, 1937, cost $8,265.

SEPTEMBER, 1937
This house is rather Colonial in its general feeling, but the influence of the California climate, expressing itself through the architect’s design, has produced subtle changes which make it almost a new style of architecture. The overhang of the roof is emphasized to shelter the second-story windows; the pitch of the roof, where rain (they say) is not a problem, has been lessened. The plan is radically different from any New England Colonial scheme. The handling of the service unit in this house is particularly effective. The house was completed in 1935. It contains 52,824 cubic feet. Cost figures are not available.

**CONSTRUCTION DATA**

<table>
<thead>
<tr>
<th>WALLS:</th>
<th>Brick veneer and wood siding</th>
</tr>
</thead>
<tbody>
<tr>
<td>INSULATION:</td>
<td>Walls and 2nd floor ceiling</td>
</tr>
<tr>
<td>ROOF:</td>
<td>Wood shingles</td>
</tr>
<tr>
<td>WINDOWS:</td>
<td>Wood, double hung</td>
</tr>
<tr>
<td>HEATING:</td>
<td>Gas-fired unit furnaces</td>
</tr>
</tbody>
</table>

**COLOR SCHEME**

<table>
<thead>
<tr>
<th>WALLS:</th>
<th>White</th>
</tr>
</thead>
<tbody>
<tr>
<td>ROOF:</td>
<td>Weathered gray</td>
</tr>
<tr>
<td>TRIM:</td>
<td>White</td>
</tr>
<tr>
<td>BLINDS:</td>
<td>Gray</td>
</tr>
</tbody>
</table>
10 MR. ROBERT THURBER, WELLESLEY HILLS, MASSACHUSETTS
ROYAL BARRY WILLS, ARCHITECT

CONSTRUCTION DATA

WALLS: Brick veneer, boarding
INSULATION: In walls and roof
ROOF: Wood shingles
WINDOWS: Wood, double hung
HEATING: Winter air conditioning

COLOR SCHEME

WALLS: White
ROOF: Warm gray
TRIM: White
BLINDS: Dark blue

SEPTEMBER, 1937

The plans of this attractive Colonial house merit special attention because they demonstrate the importance of skillful planning in solving the owner's problems. It was required in this case to provide, for the owner's mother, a small but complete apartment containing bedroom, sitting room, kitchenette and a separate entrance and stairs. This unit is shown in the second floor plan. Note, also, that the study can be reached either from the hall or from the side entrance, and that the playroom, frequently relegated to the basement, here assumes the role of a useful accessory to the living room. This home, of approximately 6,400 cubic feet, was completed in 1936.
To take full advantage of a fine view over Lloyd's Neck Harbor, to reduce the second floor hall to a minimum, and to give extra ceiling height to the living room without added expense, the architects of Mr. Ford's Long Island home wisely put the living room on the second floor and gave it the full width of the main body of the house. The relation of other elements of the plan, the service quarters, garage, etc., is well studied. The upstairs living room makes possible a large library and dining room. This house was completed early in 1936. It contains 60,000 cubic feet and cost $27,000 to build at 45 cents a cubic foot.

**CONSTRUCTION DATA**

<table>
<thead>
<tr>
<th>WALLS:</th>
<th>Brick veneer</th>
</tr>
</thead>
<tbody>
<tr>
<td>INSULATION:</td>
<td>Walls and 2nd fl. ceiling</td>
</tr>
<tr>
<td>ROOF:</td>
<td>Slate</td>
</tr>
<tr>
<td>WINDOWS:</td>
<td>Wood casements</td>
</tr>
<tr>
<td>HEATING:</td>
<td>Winter air conditioning</td>
</tr>
</tbody>
</table>

**COLOR SCHEME**

<table>
<thead>
<tr>
<th>WALLS:</th>
<th>White</th>
</tr>
</thead>
<tbody>
<tr>
<td>ROOF:</td>
<td>Black</td>
</tr>
<tr>
<td>TRIM:</td>
<td>Light gray</td>
</tr>
<tr>
<td>BLINDS:</td>
<td>Darker gray</td>
</tr>
</tbody>
</table>
HENRY K. HARDING, PALM BEACH, FLORIDA
HENRY K. HARDING, ARCHITECT

CONSTRUCTION DATA

<table>
<thead>
<tr>
<th>WALLS:</th>
<th>Clapboard on frame</th>
</tr>
</thead>
<tbody>
<tr>
<td>INSULATION:</td>
<td>None</td>
</tr>
<tr>
<td>ROOF:</td>
<td>Wood shingles</td>
</tr>
<tr>
<td>WINDOWS:</td>
<td>Wood, double hung</td>
</tr>
<tr>
<td>HEATING:</td>
<td>None</td>
</tr>
</tbody>
</table>

COLOR SCHEME

<table>
<thead>
<tr>
<th>WALLS:</th>
<th>Pale yellow</th>
</tr>
</thead>
<tbody>
<tr>
<td>ROOF:</td>
<td>White</td>
</tr>
<tr>
<td>TRIM:</td>
<td>White</td>
</tr>
<tr>
<td>BLINDS:</td>
<td>White</td>
</tr>
</tbody>
</table>

SEPTEMBER, 1937

The reflection of the sun on the wood shingles of this Florida house makes it look like one of the white-roofed houses of Bermuda. It is, in fact, in Palm Beach and its color scheme, pale yellow and white, as well as its floor plan identify it as a comfortable house for the sub-tropics. The big living-room, in a wing by itself opening on the loggia and patio, is a pleasant feature of the first floor plan. The service units, pantry, kitchen and porch are also well arranged. Completed November 1, 1936, the house contains 37,700 cubic feet. It was constructed at a cost of 37 cents a cubic foot, a total of $13,949.
MR. TAYLOE ROGERS, ROANOKE COUNTY, VIRGINIA
RANDOLPH FRANTZ AND JOHN M. THOMPSON, ARCHITECTS

The prototype of this interesting new home was the Southwest Virginia farmhouse of the late Eighteenth Century. A portion of it, as shown above, is built of logs which were hand hewn with a broad-axe in the traditional manner. Floors, interior wall finishes, and even the hand-wrought iron fixtures and hardware are in harmony with existing local examples. The baths and service quarters are modern in every respect. The building was completed in November, 1936, and, at 37 cents per cubic foot for 67,500 cubic feet, cost about $25,000.

CONSTRUCTION DATA

WALLS: Clapboard and log
INSULATION: Over 2nd floor ceiling
ROOF: Asbestos shingles
WINDOWS: Wood, double hung
HEATING: Coal stoker; vapor

COLOR SCHEME

WALLS: White
ROOF: Slate gray
TRIM: White
BLINDS: Dark green
### HOUSE AT MERION SQUARE, PENNSYLVANIA
SAVERY, SCHEETZ & GILMOUR, ARCHITECTS

#### CONSTRUCTION DATA

<table>
<thead>
<tr>
<th>WALLS:</th>
<th>Stone and flush siding</th>
</tr>
</thead>
<tbody>
<tr>
<td>INSULATION:</td>
<td>2nd floor ceiling and frame walls</td>
</tr>
<tr>
<td>ROOF:</td>
<td>Red cedar shingles</td>
</tr>
<tr>
<td>WINDOWS:</td>
<td>White pine, double hung</td>
</tr>
<tr>
<td>HEATING:</td>
<td>Oil; hot water</td>
</tr>
</tbody>
</table>

#### COLOR SCHEME

<table>
<thead>
<tr>
<th>WALLS:</th>
<th>Stone and white</th>
</tr>
</thead>
<tbody>
<tr>
<td>ROOF:</td>
<td>Brown</td>
</tr>
<tr>
<td>TRIM:</td>
<td>White</td>
</tr>
<tr>
<td>BLINDS:</td>
<td>Green</td>
</tr>
</tbody>
</table>

Described for a family of four, including two small children, this suburban home was planned to combine indoor and outdoor living and to harmonize its architecture—Pennsylvania farmhouse style—with the surrounding countryside. The family bedrooms were to be connecting, with the guest room and bath separate. A special problem was presented by the necessity of maintaining proper orientation and, at the same time, the privacy necessary for outdoor living. The house was completed October 15, 1936. It contains 68,528 cubic feet and cost $24,561.85 to build at 36 cents a cubic foot.

SEPTEMBER, 1937

SECTION II
In designing this delightful New England Colonial home, the architect took advantage of a difference in level at one end of the site and placed the garage at a lower elevation than the main mass of the house. At the same time, he succeeded in solving a special problem, which was to provide a study conveniently accessible from the first floor, yet so isolated from the other rooms as to give complete privacy when desired. A well-studied plan should include such special provisions, as does this one, without unduly affecting the remainder of the design. The size of the house is estimated at approximately 35,200 cubic feet.

**CONSTRUCTION DATA**

<table>
<thead>
<tr>
<th>WALLS:</th>
<th>Clapboard and shingle</th>
</tr>
</thead>
<tbody>
<tr>
<td>INSULATION:</td>
<td>Over 2nd floor ceiling</td>
</tr>
<tr>
<td>ROOF:</td>
<td>Wood shingles</td>
</tr>
<tr>
<td>WINDOWS:</td>
<td>Wood, double hung</td>
</tr>
<tr>
<td>HEATING:</td>
<td>Winter air conditioning</td>
</tr>
</tbody>
</table>

**COLOR SCHEME**

<table>
<thead>
<tr>
<th>WALLS:</th>
<th>White</th>
</tr>
</thead>
<tbody>
<tr>
<td>ROOF:</td>
<td>Weathered gray</td>
</tr>
<tr>
<td>TRIM:</td>
<td>White</td>
</tr>
<tr>
<td>BLINDS:</td>
<td>Dark Green</td>
</tr>
</tbody>
</table>
As might be supposed, much of the contemporary work being done in Florida shows in its design the influence of climate and local tradition. These tend to give, even to those houses which are designed in a style familiar to other parts of the country, a flavor characteristically Floridian. Thus, in the house shown here, the Colonial inspiration is obvious, but such details as the overhang of the rather flat roof, the metal window grilles and the color scheme belong rather to Florida or California than to the North. Completed in January, 1937, this 27,800 cubic foot house is said to have been built for $12,000.
The special problem controlling the planning of this little house was to design, for a young couple, a country home, the carrying charges of which would be no more than those of a city apartment. Economic necessity prompted the adoption of a straightforward modern style developing directly from a plan which, for all its compact practicality, is not without charm and distinction. The division between dining and living rooms is marked by a single step and by a waist-high case of shelves projecting from the wall. The size of the house is about 12,000 cubic feet and it was built late in 1936. Cost estimates are not available.

**CONSTRUCTION DATA**

<table>
<thead>
<tr>
<th>WALLS:</th>
<th>Matched boards on frame</th>
</tr>
</thead>
<tbody>
<tr>
<td>INSULATION:</td>
<td>In walls and roof</td>
</tr>
<tr>
<td>ROOF:</td>
<td>Tar and gravel</td>
</tr>
<tr>
<td>WINDOWS:</td>
<td>Casement</td>
</tr>
<tr>
<td>HEATING:</td>
<td>Gas; warm air</td>
</tr>
</tbody>
</table>

**COLOR SCHEME**

<table>
<thead>
<tr>
<th>WALLS:</th>
<th>White</th>
</tr>
</thead>
<tbody>
<tr>
<td>ROOF:</td>
<td>Gray</td>
</tr>
<tr>
<td>TRIM:</td>
<td>Dark blue</td>
</tr>
<tr>
<td>BLINDS:</td>
<td>None</td>
</tr>
</tbody>
</table>
Some of the special problems confronting the architect in the design of this interesting Pennsylvania Colonial house were: to locate the 3-car garage, motor court, and service entrance on the basement level of the house in a concealed location; to provide a recreation room on the ground floor, and to maintain an unbroken expanse of lawn and garden on the south side with access to the garden from all the principal rooms on the ground floor. It is interesting to study the floor plans with these special problems in mind. This house was completed in August, 1936. It contains 80,000 cubic feet. Cost data is not available.
Characteristic of the early New England homes are the narrow clapboards, massive chimney, and, in detail and general appearance, a quality reminiscent of Elizabethan days. In this contemporary home we find evidence of the continuing vitality of this tradition. The game room, over the garage, is accessible both from the child's bedroom and from the living room. This room is designed for subsequent conversion into a study. The remainder of the plan, while providing rooms of adequate size, is arranged for maximum economy. The house was completed in April, 1937, and contains approximately 27,500 cubic feet.
MR. ROBERT LEE, SHORT HILLS, OHIO
J. DOUGLAS LORENZ, ARCHITECT

CONSTRUCTION DATA

WALLS: Brick veneer
INSULATION: Walls and 2nd fl. ceiling
ROOF: Shingle tile
WINDOWS: Wood, double hung
HEATING: Gas; warm air

COLOR SCHEME

WALLS: Red brick
ROOF: Brown
TRIM: White
BLINDS: White

This Georgian house near Dayton is distinctly reminiscent of the square, compact houses of Eighteenth Century England. The simple façade, terminating in a low parapet at the roof, has a great deal to recommend it to modern designers. In this house a wing has been added at the rear to lengthen the living room and provide shelter for the garden terrace. The service entrance, on the front of the house, is screened by a porch, and the front entrance has a corresponding shelter. The landscaping of Mr. Lee's house is by Samuel Zehrung and George Siebenthaler. Completed in August, 1935, cost not available.

SEPTEMBER, 1937
A Rocky ledge bisecting the property was a determining factor in the planning of this home. A difference in elevation between the front and back of the site, coupled with a view across a valley towards the rear, suggested placing the dining room, kitchen, and library below the level of the front entrance and living room. A sloping site, while constituting a problem, may thus be turned to advantage and permit the ingenious architect to develop an unusually interesting plan. This house, the architect tells us, was completed in April, 1935, contains 47,300 cubic feet and was built at an estimated cost of 40 cents per cubic foot.
The problem here was to design, for an average-sized lot, a house having privacy from the street and a feeling of openness to the outdoor living areas. The garage and service wing are used as buffers on the street side; the dining-living room space may be divided by a folding partition or used as one large space. The architect has achieved a logical separation of the various elements of the plan; the bedrooms, study, indoor and outdoor living areas and service space are handled as units and placed in a considered relationship to one another. Completed in November, 1936, this house is approximately 25,250 cubic feet in size.
An interesting feature of this house is the ground floor bedroom. Built on a level slightly lower than that of the rest of the house, it comprises a complete and isolated unit. It is reached by a short flight of stairs at the end of the hall opposite the entrance door. The remainder of the plan, while simple and direct, provides rooms of adequate size with good light and ventilation. The modified Colonial design is in keeping with the location of the house and fits well in a wooded setting. This house was completed in April, 1937, and is approximately 31,400 cubic feet in size. Cost figures are not available.
HERE a modified Georgian design is successfully adapted to a hilly site, said to be the highest point of land in Highland Park. The first floor window shutters, carried down almost to ground level, give a strong vertical accent to the façade. The second floor has three masters' bedrooms, two baths, and a maid's room and bath. There is a guest's bedroom in the 1-story wing at the left, with a connecting bathroom which may be used as a downstairs lavatory. Access to the garage is through the kitchen. This house contains 37,131 cubic feet. It cost 43 cents a cubic foot to build at the beginning of 1936, a total of $15,745.
SIMPLE Colonial in feeling, this New Jersey house has a plan as straightforward and as devoid of waste space as many houses in the functional modern style. The floor space devoted to halls and passages is at a minimum. The three bedrooms and the bathroom open directly off the little second floor hall. The first floor rooms are similarly in close relation to each other. A large bay and French doors opening on a covered porch light the living room. The library is of good size. Completed in May of this year, the house contains 28,275 cubic feet and at an estimated 32 cents a cubic foot, cost $9,050 to build.

CONSTRUCTION DATA

- WALLS: Wood shingle on frame
- INSULATION: Over 2nd floor ceiling
- ROOF: Wood shingle
- WINDOWS: Wood, double hung
- HEATING: Oil, winter air conditioning

COLOR SCHEME

- WALLS: White
- ROOF: Weathered gray
- TRIM: White
- BLINDS: Dark green
CONSTRUCTION DATA

WALLS: Brick and cinder block on frame
INSULATION: Over 2nd floor ceiling
ROOF: Slate
WINDOWS: Wood, double hung
HEATING: Oil; hot water

COLOR SCHEME

WALLS: Buff
ROOF: Black
TRIM: White
BLINDS: Blue

THE quality of distinctiveness in a small house often results from developing the design around a single, clear-cut theme without undue elaboration. The house above is a case in point. The mansard roof, unusual these days, gives it a certain air of individuality. Similarly, we may ascribe the popularity of the Early American, Cape Cod, Southern Colonial and so forth to the fact that these styles have character even when handled with extreme simplicity and economy. This house has the advantage of the very practical square plan with entrance at the side. Completed in February, 1937, it is 24,500 cubic feet in size.
It is surprising to find this fine adaptation of a Bucks County (Pennsylvania) house in a Californian setting, but it aptly demonstrates the versatility of its architect, H. Roy Kelley, one of the most prolific and best-known architects on the Coast. The pleasing lines of this particular design would be attractive in almost any part of the country. The plan shows definite influences of the Californian tradition. The study at the rear of the second floor is an unusual feature, but a welcome one for those who desire absolute privacy. The house, which contains 33,720 cubic feet, was completed last year. Cost figures are not available.

CONSTRUCTION DATA

<table>
<thead>
<tr>
<th>WALLS:</th>
<th>Stone, plaster and wood siding</th>
</tr>
</thead>
<tbody>
<tr>
<td>INSULATION:</td>
<td>None</td>
</tr>
<tr>
<td>ROOF:</td>
<td>Cedar shingles</td>
</tr>
<tr>
<td>WINDOWS:</td>
<td>Wood, double hung</td>
</tr>
<tr>
<td>HEATING:</td>
<td>Gas-fired unit furnaces</td>
</tr>
</tbody>
</table>

COLOR SCHEME

<table>
<thead>
<tr>
<th>WALLS:</th>
<th>Cream</th>
</tr>
</thead>
<tbody>
<tr>
<td>ROOF:</td>
<td>Weathered gray</td>
</tr>
<tr>
<td>TRIM:</td>
<td>White</td>
</tr>
<tr>
<td>BLINDS:</td>
<td>White</td>
</tr>
</tbody>
</table>
CONSTRUCTION DATA

WALLS: Brick veneer
INSULATION: Walls and 2nd fl. ceiling
ROOF: Slate
WINDOWS: Wood double hung and steel casement
HEATING: Winter air conditioning

COLOR SCHEME

WALLS: Light brick red
ROOF: Black
TRIM: White
BLINDS: Dark green

STRONGLY reminiscent of some of the southern houses of Colonial days, the design of this house embodies a number of appealing features. Especially commendable is the characteristic symmetry and simplicity of the exterior, as shown above. The large chimneys give a feeling of solidity to the main body of the house and help effect an appropriate separation between it and the garage. The plan does not adhere rigidly to tradition but is adapted to modern needs and to take advantage of a view toward the rear. Completed in December, 1936, the house contains 63,000 cu. ft. and cost $26,460 at 42 cents per cubic foot.
29  MR. RICHARD R. TOWNLEY, SAN MARINO, CALIFORNIA
HAROLD O. SEXSMITH, ARCHITECT

With all rooms on one floor, the rambling plan of a typical California home, as shown here, is chiefly responsible for the characteristic long, low lines of the attractive exterior. Noteworthy features of this home are the breakfast room, the unusual position of service pantry and child’s play room, and the two dressing rooms off the master bedroom. Bedrooms have easy access to the garden. Completed in November, 1935, this 31,000 cubic foot house is said to have cost $7,000 to build.

CONSTRUCTION DATA

<table>
<thead>
<tr>
<th>WALLS:</th>
<th>Stucco on frame</th>
</tr>
</thead>
<tbody>
<tr>
<td>INSULATION:</td>
<td>None</td>
</tr>
<tr>
<td>ROOF:</td>
<td>Wood shingle</td>
</tr>
<tr>
<td>WINDOWS:</td>
<td>Steel casement</td>
</tr>
<tr>
<td>HEATING:</td>
<td>Gas; hot air</td>
</tr>
</tbody>
</table>

COLOR SCHEME

<table>
<thead>
<tr>
<th>WALLS:</th>
<th>Oyster white</th>
</tr>
</thead>
<tbody>
<tr>
<td>ROOF:</td>
<td>Brown</td>
</tr>
<tr>
<td>TRIM:</td>
<td>White</td>
</tr>
<tr>
<td>BLINDS:</td>
<td>Blue</td>
</tr>
</tbody>
</table>

30  MRS. KATHRYN BRADLEY, LAGUNA BEACH, CALIFORNIA
RALPH C. FLEWELLING, ARCHITECT

This small home conforms, like the house above, to the style which has become so popular in California. The plan is essentially practical and efficient, but it is also remarkable for the nice proportion of the rooms, provision of excellent light and ventilation, and adequate closet space. A single door for a communicating bath, as shown here, is most desirable. It contains 15,671 cubic feet and is estimated to have cost $4,300 in February, 1936, since when building costs have risen somewhat.

CONSTRUCTION DATA

<table>
<thead>
<tr>
<th>WALLS:</th>
<th>Stucco on frame</th>
</tr>
</thead>
<tbody>
<tr>
<td>INSULATION:</td>
<td>None</td>
</tr>
<tr>
<td>ROOF:</td>
<td>Wood shingle</td>
</tr>
<tr>
<td>WINDOWS:</td>
<td>Wood, double hung</td>
</tr>
<tr>
<td>HEATING:</td>
<td>Gas; hot air</td>
</tr>
</tbody>
</table>

COLOR SCHEME

<table>
<thead>
<tr>
<th>WALLS:</th>
<th>White</th>
</tr>
</thead>
<tbody>
<tr>
<td>ROOF:</td>
<td>Green</td>
</tr>
<tr>
<td>TRIM:</td>
<td>White</td>
</tr>
<tr>
<td>BLINDS:</td>
<td>Buff</td>
</tr>
</tbody>
</table>
A REVOLUTIONARY ADDITION TO HUMAN COMFORT BY M-H ENGINEERS

Now

ACRATHERM

BRINGS THE BLESSING OF STABILIZED HEAT TO EVERY HOME

THE ACCELERATOR
at tip of lower finger, working in harmony with the two contacts shown above opens and closes the exclusive Accelerator circuit, giving Acratherm the power actually to sense indoor temperature changes before they occur, and prepare your heating system to meet them. The result is new automatic comfort — Stabilized Heat, possible only with Acratherm.

THE DA-NITE ACRATHERM
The Da-Nite Acratherm has convenient night shut-down for fuel saving, with automatic return to day temperature.

THE ACRATHERM
The plain Acratherm is the same as the Da-Nite Acratherm without night shut-down.

THE CHRONOTHERM
The Chronotherm requires no manual attention either for day comfort or night shut-down.

Send for This Book—It's Free
You will be interested in the booklet, "And Then We Turn On The Heat." It gives all the facts about "Acratherm Stabilized Heat." Send for your free copy.

A NEW winter heating comfort has come into being, based on a new control so complete, so automatic in its operation that it cannot be compared with any conventional thermostat. This control is the Acratherm, incorporating the new Accelerator. It actually senses temperature changes before they occur and speeds up the heating system to meet them. It literally irons out heat fluctuations in any modern heating system by automatically adjusting the length and number of burner operations to supply heat in response to the fluctuations or changes of outside weather. Short, frequent burner operations in cold weather, less frequent operations in mild weather produce "Stabilized Heat." No thermostat without the Acratherm Accelerator can do this. Therefore, when you install Automatic Heating or modernize your present equipment, insist that it is Acratherm Controlled. Minneapolis-Honeywell Regulator Co., 2790 4th Avenue South, Minneapolis, Minnesota.

SUMMERIZE YOUR HOME FOR WINTER COMFORT with AUTOMATIC HEATING and AIR CONDITIONING SEE YOUR DEALER NOW!
For Strong, Crack-Resistant Walls—
for Greater Fire Protection
USE
PERFORATED ROCKLATH
THE FIREPROOF LATH

The insert at the right is a back view of Perforated Rocklath®, showing how Red Top Plaster penetrates the perforations and anchors to the lath, providing an extra grip, in addition to the natural bond of plaster to the lath.

There’s extra satisfaction in knowing that your walls are not only strong, smooth and attractive, but are made of fireproof materials. Already 275 cities have authorized the use of Perforated Rocklath® for one-hour fire construction. There’s a reason—and a good one. Fire and water tests conducted at the Bureau of Standards proved that a Perforated Rocklath is a fireproof gypsum lath perforated with circular holes spaced at regular intervals. When the plaster is applied, it penetrates these holes and bonds to the lath with a double grip—a “mechanical” grip in addition to the strong natural bond. Thus you obtain walls and ceilings that offer a double grip—a “mechanical” grip in addition to the strong natural bond. Therefore, use Perforated Rocklath for your new home.

Give your new home this extra protection. At the same time, assure yourself of crack-resistant walls and ceilings of unusual strength and rigidity. Perforated Rocklath is a sturdy, non-warping fireproof gypsum lath perforated with circular holes spaced at regular intervals. When the plaster is applied, it penetrates these holes and bonds to the lath with a double grip—a “mechanical” grip in addition to the strong natural bond. Thus you obtain walls and ceilings that offer a smooth, lasting base for decoration. Yet, with all its advantages, a finished Perforated Rocklath and Red Top® Gypsum Plaster job costs little, if any, more than an ordinary job.

Use These Four Products for Attractive, Economical Interiors:

**PERFORATED ROCKLATH**
- The Fireproof Lath, perforated with RED TOP GYPSUM PLASTER. Registered Trade-mark.

**TEXTONE®**
- For attractive textured surfaces of enduring beauty.

**TEXLITE®**
- The New Principle Paint for distinctive Color Schemes.

For Your Protection, USG Products Bear This Trade-Mark Identification • USG •

Mr. Wright and Mr. Adler listen while Mr. Lindeberg makes a point

**WE JUDGE A CONTEST**
(continued from page 15)

one style; but there was a decided preference for designs which were fresh and contemporary rather than imitative or commonplace. They looked for an architect who would design a house of notable distinction and character, not merely a repetition of acceptable current work, nor yet an exact reproduction of some style which originated, and was undoubtedly better executed, a century or so ago.

There was a strong sentiment in favor of the following points, which we feel significant as reflecting the aims of the best contemporary architects, and extremely valuable as a basis for critical appraisal of new residential structures.

A well designed house should be attractive from all angles. Don’t judge a house from the front alone; examine the sides and the rear with as much care as the front. It is conceivable that one façade may properly be made the most important; but the others should be carefully designed and well studied.

The day of non-functioning ornamentation is past. Plain surfaces, unencumbered by senseless scrolls, plaques, overdone cornices, etc., are desirable. There is, after all, nothing ugly about a simple wall, well proportioned and with windows nicely spaced—nothing which requires the addition of meaningless “applied art.”

When the basic scheme of a house is symmetrical—for example, think of a square plan with a hall running directly through the center—then the symmetry of the mass should be maintained. Some otherwise lovely designs of this type are considerably weakened by having a little wing jutting out at one side, destroying the balance, or by having windows, chimneys, or other details unsymmetrically arranged.

Awkward roof effects should be avoided. One can sometimes plan a house that wanders about in a most intriguing way only to find that it yields a very ugly roof, a jumble of different levels, pitches, and intersections.

Windows are important in the design of a house—as they are in its functioning. Windows should be considered elements in design and the skillful architect will contrive so to place them that they have an ordered arrangement in the façade which adds to the beauty of the design.

Designs begin with a plan, and no design can be considered apart from the plan. Therefore, look for a plan which has an effect of orderliness and simplicity, one which offers the required space in correct proportions, has a convenient and logical relationship between the different rooms, does not waste space in intricate or unnecessary halls and passages, is skillfully related to outdoor living areas, and promises attractive backgrounds for decoration and furnishing.

An appropriate last word of advice gathered from the remarks of our jury is this: when you find a good architect, have confidence in him. Accept his advice. Some otherwise good designs that we have seen were spoiled, because the architect had obviously been persuaded by his client to do something which no good architect’s judgment could support. Perhaps, in the case of some of these houses, the client realized when the house was completed that the architect was right, but alterations were then too expensive to be undertaken. A good architect is the surest guarantee of a good house, well planned, well designed, well built. Your architect stands as a buffer between you and any complication which might occur. That is a very important part of his professional work. We can well afford to give him our entire confidence and whole-hearted cooperation.

**EDITOR’S NOTE:** In presenting our price-winning houses, and others of outstanding merit, in this issue, we have in most cases given the size of the house, in terms of cubic foot content, and the cost of construction. The reader’s attention is expressly drawn to the fact that these cost figures are the architects’ estimate of the cost at the time, and in the place, of construction. It should not be assumed that a given house could be built at a later date or in a different locality for the same amount.
Down goes outside temperature

But the outdoor 'Weather Watchman' of the Janitrol gas-fired winter air conditioner sees that heat is replaced in your home as rapidly as it is lost . . .

- No temporary "chill" while the heating unit "catches up"—no period of overheating when the outside temperature suddenly rises . . . For, in addition to the usual indoor thermostat, the Janitrol "CF" Winter Air Conditioner gives you the service of the "Weather Watchman," a secondary outdoor regulator which smooths out the heat supply and aids circulation inside your home in direct accordance with outside conditions. The "Weather Watchman" is a compensating system of control found exclusively on the Janitrol "CF." It is actuated from a "sentry box" outside the house. It eliminates the too frequent "on and off" operation of the burner. It provides longer periods of air circulation, preventing indoor air from settling into hot and chilly layers.

You will be delighted with the unvarying uniform comfort maintained by the "Weather Watchman," always on guard to see that the Janitrol "CF" anticipates outdoor conditions and prevents periods of chill or overheating in your home. Ask your architect about this and other superior features found only in Janitrol, the completely modern Winter Air Conditioner which circulates clean, warm, filtered, humidified air under full automatic control throughout every room. See your local gas company. Write for interesting folder, "New Life is in the Air." Surface Combustion Corporation, Toledo, O.
Everett Rhodes Castle

"My IRON FIREMAN deserves all that other people have said about him"...Everett Rhodes Castle

WESTERN PINE CAMERA VIEWS shows the versatility of Western Pine—the beauty of their grain and texture—their uses in moldings, carvings, stairs, mantles, floors, etc. The portfolio of fine photographs, of great interest to the home builder and re-builder. W. J. D. P. A. Div. J-23, Yon Bldg., Portland, Oregon.

PAINT AND GLASS IN YOUR HOME is a fascinating new booklet on home improvement and decoration, filled with illustrations and practical suggestions—overflowing with ideas for new color effects and modern treatments using mirrors and glass. Pittsburgh Plate Glass Co., 284 E. Grant Blvd., Pittsburgh, Pa.

FOR MODERN INTERIORS, the new all-wood wallboard known as Celotex is offered a book of many attractive rooms, as inspiration for remodeling or new construction. There's no end to the effectively paneled walls and ceilings you can create with this. Vancouver Plywood & Venner Co., Dept. G-9, Vancouver, Wash.

THE HOUSE THAT BIRD BUILDS is a booklet about roosting and shingles, important to people who plan to build, renovate or repair. Its color close-ups show how to get charming effects—and its detailed story goes into points of quality and style. Bird & Son, Inc., Dept. G-9, East Walpole, Mass.

BETTER LIVING is a realistic study of the difference a layer of Rock Wool insulation can make in your home—the winter warmth, summer coolness, and all the beauty that's added to it. That's no exaggeration, for it's guaranteed to stay new to maintain its efficiency, and resist rot, water, and termites. The Celotex Corp., Highland, Calif. 92399, N. Michigan Ave., Chicago, Ill.

ROOFS AND INSULATION

ECONOMY COPPER ROOFING is a colorful study of homes of many types, by leading architects—showing the beauty of Ameriaca's copper roofs and explaining such advantages as its permanence—its moisture-proof protective qualities and its ultimate economy. American Brass Co., Dept. G-9, Waterbury, Conn.

THE BOOK OF TRIPLE INSULATED HOMES tells about fireplace, permanent roots and how to insulate against them with Insullite products. The Insullite Co., Dept. G-9, Minneapolis, Minn.

INCREASING HOME ECONOMY with Insullite explains just what good insulation does for your home—and how. It goes into detail about the best method of construction with Insullite Sheathing and Lox-Joint Lath, and its decorative and practical use in home and with Insullite products. The Insullite Co., Dept. G-9, Minneapolis, Minn.

BEAUTY WITH PERMANENCE is the rubric summered in that Insullite products have the age-old beauty of copper. And since they have the virtue of living longer than the house itself, with no repairs needed, they also have the virtue of economy. The New Haven Copper Co., Dept. G-9, Seymour, Conn.

THE NEW GOTHIC and TIMBER-FX shingles describes interesting gothic and textures in roofing that are available today. The one type has a granular-like aged cypress. The other is used in random widths and with staggered bays for individuality. Both are guaranteed against peeling. The Redbird Co., Dept. G-9, 505 Fifth Ave., N. Y. C.

THE HOUSE YOU LIVE IN will interest you on roofs, gutters, plumbing and other details of your home which you want to take care of once—and then forget for always. Kever copper & Brass, Inc., Dept. G-9, 239 Park Ave., N. Y. C.

A GUIDE TO BETTER HOMES goes into helpful details about roofing shingles of many types—siding shingles—thermal insulation—growers' damage-proofing. It's a booklet full of important information, if you plan to build. The Philip Carey Co., Dept. G-9, Lockland, Cincinnati, Ohio.

HOMES OF ENDURING BEAUTY. Gray with crimson clock-ful of information and ideas is Weatherbest's brochure, "Weatherbest's Seaside Homes. For those who build, remodel, or remodeling an old home to give it new life and charm, it shows what can be done with trained skill and art from the heart of giant red cedars. Weatherbest, Inc., G-9, 872 Main St., N. Tonawanda, N. Y.

SHUT WINTER HEAT IN... and shut summer heat out... says this leaflet on the fuel-conserving, fire-proofing properties of Capitol Rock Wool. It shows how to turn your house into a perfect "storage bottle" in its resistance to the passage of heat or cold! Standard Lime & Stone Co., Dept. G-9, 1st National Bank Bldg., Baltimoore, Mo.

WHAT THE CELOTEX GUARANTEE MEANS is a new angle to the insulation story. It tells what Celotex is guaranteed to do—to stay new, to maintain its efficiency, and resist rot, water, and termites. The Celotex Corp., Highland, Calif. 92399, N. Michigan Ave., Chicago, Ill.

SEALLED HOUSE INSULATION is a photographic study of an important new method of insulating, showing how to save fuel while keeping the house temperature constant. With a half-inch layer of Balam-wood that can keep out as much heat as two inches of brick. Wood Conversion Co., Rm. 9-113, 1st National Bank Bldg., St. Paul, Minn.

THE BOOK OF TRIPLE INSULATED HOMES tells about fireproof, permanent roots and how to insulate against them with Insullite products. The Insullite Co., Dept. G-9, 22 East 50th St., N. Y. C.

TERMINUS is a booklet for every home owner should read, for it tells how to insulate against them with a chemically treated paper that carries a 3-year guarantee. E. L. Bruce, Dept. G-9, Memphis, Tenn.

FENCES

PLAIN AND ORNAMENTAL RAILING looks at fences—what to do and how to do it. A new angle to the in- design to harmonize with homes of many periods. It includes porch and balcony railings, outdoor living rooms, porches, and hedges around the home. The Celotex Corp., Highland, Calif. 92399, N. Michigan Ave., Chicago, Ill.

DUBOUX WOVEN WOOD FENCE presents fencing made in France, for garden privacy—with charm! It's made of precision-cut chestnut splatings in heights from 18 inches to 10 feet. Photograph—suggest attractive ways to use it. Duboux Fence & Garden Co., Dept. G-9, 101 Park Ave. N. Y. C.

ANCHOR FENCES for your lawn ticketing lines are of pickets or palings. And they're easy to put up. If you have a baby—or a dog—this will be interesting in the backyard put together safety pens. Anchor Post Fence Co., 6550 Eastern Ave., Baltimoore, Md.

EXTEND YOUR HOME TO All You Own. Here are dozens of ideas for outdoor living rooms fences to suit a dwelling. Some are photographs of actual installations—others are attractive original plans confronting different architectural types. California Red- wood Ass'n., Dept. G-9, 872 Main St., N. Tonawanda, N. Y. (Continued on page 54)
Will your new home be only half a home?

LET GENERAL ELECTRIC HELP YOU TO MAKE IT COMPLETE

The electrical wiring in your new home will determine how complete and modern the home is. Carefully planned, adequate wiring is necessary if you want to have full benefit from electrical equipment and appliances. Today, a home is only half a home unless it has the comfort and convenience that electricity can bring.

Of course you must have enough electrical outlets placed so that electricity will be easy to use. But even more important, wire sizes must be large enough and the wiring must be laid out so that current can reach the outlets at its rated voltage.

General Electric can help you in obtaining an electrical wiring system that will make your home truly modern — a whole house — not just half a house.

(1) General Electric Wiring Materials will give long, trouble-free service. They are designed to be used together and are of uniform high quality. With G-E Wiring Materials in a properly designed system, your electrical equipment and appliances will operate efficiently.

(2) Properly designed methods for satisfactory, modern wiring are available in the many plans of G-E Home Wiring. It is suitable for any type or size of house. General Electric Home Wiring assures electrical convenience and comfort now and in the future.

Whether you are planning to build a house for yourself or for someone else, specify General Electric Wiring Materials and G-E Home Wiring. For complete information, write to Section CDW-29, Appliance and Merchandise Department, General Electric Company, Bridgeport, Connecticut.

GENERAL ELECTRIC
WIRING MATERIALS
APPLIANCE AND MERCHANDISE DEPT., GENERAL ELECTRIC COMPANY, BRIDGEPORT, CONN.
"You mean to say this attractive boiler gives you both HEAT and HOT WATER?"

"Yes, indeed it does . . . wonderful heat, and oodles of hot water all through the year . . . and you’ll hardly believe me when I tell you how low our fuel bills are. Do you wonder we’re so enthusiastic about it? Bob says our FITZGIBBONS is the best investment we ever made."

Thousands of home owners are enjoying the FITZGIBBONS combination of low-cost automatic heat and domestic hot water. You, too, can enjoy it, whether you now own a home or are about to build one . . . and you can burn the fuel and install the brand of stoker, oil burner or gas burner that local conditions make desirable for you to have, because FITZGIBBONS STEEL BOILERS are available in types for firing with any stoker, oil burner or gas burner . . . and in a range of sizes that permits selection of just the right size to satisfy the heating and hot water needs of any home.

These efficient, life-time copper-steel boilers, assure you of economical heat and winter and summer clean hot water without a storage tank or external water heating equipment — a great boon to modern basement design. And here’s another important consideration: with any FITZGIBBONS Boiler for automatic heat you can add FITZGIBBONS AIR CONDITIONING at any future time.

NOW IS THE TIME TO BUY

Immediate installation — three years to complete payment—lowest finance charges. Ask your local automatic heat dealer for full particulars, or mail the COUPON.

Fitzgibbons Boiler Company, Inc.

General Offices: Architects Bldg., 101 Park Ave., New York, N. Y.

Send me, without obligation, complete details of FITZGIBBONS STEEL BOILERS for automatic heating with the method of firing checked.

☐ OIL ☐ GAS ☐ STOKER

Name. Address. City. State.

Quality STEEL BOILER

Since 1894

FITZGIBBONS STEEL BOILERS (CONTINUED FROM PAGE 52)

FENCING FOR SAFETY pictures typical installations of Wickwire Spencer Fences, and reviews ways in which this fencing pays dividends by preventing loss and destruction, and improving the appearance of your property. Wickwire Spencer Steel Co., Dept. G-9, 41 E. 42nd St., N. Y. C.

Miscellaneous

PIECE PROOF 4-IN-1 LOCK offers positive burglary protection backed by a Lloyd's $100 policy, free with each lock! It describes new locks made Jimmy-proof, pick-proof, and drill-proof, by clever design, the use of armor steel plate, and an unduplicatable key. Dunlap Lock Corp., Dept. G-9, 325 N. Wells St., Chicago, Ill.

WONDER WALLS for Beautiful Interiors presents Marblite—a glossy new wall covering for bathrooms, kitchens, and cocktail lounges. Colorful illustrations and charming photographs show this sanitary and durable material in plain colors, and in tile, wood and marble patterns, all acid and stain resisting. Marblite Wall Products, Inc., Dept. G-9, Dover, Ohio.

THE FRY-SLYD-SCREEN brings news of a line bronze fireplaceseen that can't tumble over—for it's built in. It slides up and down like a window—providing complete spark protection and disappears when it's raised. The folder we sent to install it when you build. Fry-Slyd-Screen, Inc., Dept. G-9, 101 Park Ave., N. Y. C.

DEPARTMENT STORES or HOME SUPPLY DEALERS will have an immediate stock of these new items. Write to the MANUFACTURERS FOR ANY OF THESE BOOKLETS. THEY'RE FREE UNLESS OTHERWISE NOTED.

QUESTIONNAIRE FOR HOME BUYERS

O f course, it is none of our business if you buy a house and plot or not. Although, as a matter of fact, it is part of our mission in life to encourage home-owning. But we should hate to have you disgruntled a year hence, and at that time go on record with: "Resolved, never again to buy a house and let!" So, to make things a bit more difficult, here is the high-pressure realtor who lately has had such aptness to get himself supercharged with convincing sales arguments, we herein submit a questionnaire to be applied to the yard-stick of desirability to all the properties which carry your favor.

We are all for your buying a plot and a house thereon, but we do strongly object to some selling you a gold brick. Consult your architect and your lawyer before actually purchasing any property.

If necessary our "Ask me another" falls short in any particular, don't hesitate to write us at once and we will do our level best to answer your questions quickly and expertly.

THE PLOT ITSELF

General

Has it sewer, water, gas, electric current, paving? If not, what will the assessment be? If a septic tank must be dug, what will it cost?

CERTIFIED LIGHTNING PROTECTION brings you up sharply with pictures of devastated homes, contrasted with photographs of buildings after building simply and efficiently protected by the concealed and certified Dull system. West Door Lighting Conductor Corp., Dept. G-9, Groshi, Ind.

THE HOME DECORATOR combines color schemes for every room in the house, with pages of clear and readable instructions on the right way to paint. The Sherwin-Williams Co., Dept. G-9, Cleveland, Ohio.

THE LITTLE WHITE BOOK is a book of white houses, including many which are prize winners. Interesting, too, is the story of Cabot's Colonnade—suitable for all kinds of surfaces—wood, brick, plaster, stucco and cement. Cabot-Bradford Co., Dept. G-9, 1205 Oliver Bldg., Boston, Mass.

A CHIME SIGNAL that harmonizes doorbell nerves is the bright and welcome suggestion of this gay leaflet on the Rittenhouse Junior Electric Door Chime, which replaces the shrill b-r-r-ring with a single vibrate, reverberating note. A. E. Rittenhouse Co., Dept. G-9, Homestead Falls, N. Y.

THE GARAGE DOOR THAT OPENS UPWARD. Start it upward with a pull of the chain downward with a jerk at a cord. Operate it electrically. Read about this new door that's never wind-bound, never in the way. The Kinnear Mfg. Co., Dept. G-9, 1900 Fields Ave., Columbus, Ohio.

WEISSE CABINET SHowers shows complete units from inexpensive cottage types to beautiful vitreous china cabinets, which you can add to your bathroom or use in a convenient corner to the interest of every home. Henry Weiss Mfg. Co., Inc., Dept. G-9, 200 Oak St., Elkhart, Ind.

If necessary to drill for water, what will it cost? Is site level; does water drain off naturally? Does water flow toward house? If so, will basement become flooded?

Is there a slope on a site? Is there any drainage break of any kind, as a row of trees? Is the slope on a hill? Is it exposed to cold winds, or is there a windbreak of any kind, as a row of trees? Is the slope on a hill? Does fog and general dampness settle down at night? Is it habitually damp?

Situation of House on Lot

What trees and planting exist, in what state are they? Is the lawn in good condition? If the lot is ungraded, will expensive filling and cutting be necessary?

Can additions be made to the house without encroaching too closely on the lot line? Are there garage and drive; if so, is access easy with reasonable turns and gradients? If there is neither garage nor drive, is there room for these?

Do main rooms get sun? Are there extra rooms or possibilities for sleeping porches so located that they are usable for outdoor living rooms; are sleeping porches toward south or protected from north winds?

(Continued on page 55)
It takes more than water to make a shower THRILLING!

In the tropics, you may be quite satisfied with a reasonable flow of coolish water. But not in your own home, club or hotel. You and the members of your family will want everything from a gentle stream to a stinging spray. In fact, a shower holds little thrill, unless you can always have it exactly as you like it.

The shower pictured above is called the Speakman Anystream Self-Cleaning Shower. The small lever on the head operates six plungers—in such a way as to provide any flow you wish, from the finest spray to a flood. Every member of the family will always be satisfied. This shower will never get clogged up; the flood shower makes the Anystream self-cleaning.

Speakman standards of quality manufacture and internal design assure you of an indefinitely long life, free from trouble.

WHAT'S UNDER THE HOOD?
You know that it's the silent, smooth-running motor (and the beauty of the can) that determines the can's performance . . . . In selecting plumbing fixtures, "what's inside" is equally important. Be sure you know;

There are many other types of shower heads in the Speakman line, differing in construction and trim to meet every kind of installation and every purse. There are also several types of connections and fixtures by which your plumber can install Speakman showers for you, without breaking into the wall.

For 67 years the Speakman name has stood for the highest quality. The line includes many types of fixtures for bathroom, kitchen or laundry. . . . If you are building new, or modernizing old, bathrooms or kitchens—don't complete your plans until you investigate what Speakman offers. The prices are reasonable; Speakman quality protects your investment. Send in the coupon below for illustrated literature.

SPEAKMAN SHOWERS AND FIXTURES

SPEAKMAN COMPANY, DEPT. G1
Wilmington, Delaware

I am planning [ ] to build [ ] to modernize

[ ] Showers for Tubs and Stalls
[ ] Modern Sink Fixtures
[ ] Bath and Lavatory Fixtures
[ ] Silent Flush Valves

Name: ____________________________
Address: ________________________
City: _____________________________ State: ________________________

*Fr. No. 1,309,004

YOUR PLUMBER KNOWS SPEAKMAN
Before you build or remodel, ask your plumber about Speakman showers and fixtures. He knows they are right in both external appearance and internal design.

Cont. on page 56
 Fragebogen für die Hausbesitzer (fortgesetzt von Seite 55)

Werden die Wände aus Platten oder Stein, ändert die Oberfläche die Signale von Rissbildung? Hat die Fläche der Dekoration eine befriedigende Qualität und werdet ihr die Meter des Tages verlieren, aber andere Materialien? Sollte eine neue Größenplanung der Wohnung oder eine neue Fassadenbeschichtung die Schlussfolgerung höchster Entzückung sein? (Die Konditionierung wird wahrscheinlich ein erkanntes Anliegen innerhalb des nächsten Jahrzehnts.)

Flure

Was sind die Flächen von Boden? (Dies bedeutet Spalter und beträchtliche Konditionierung.) Wenn die Flächen von Holz sind, gibt es einen prozentualen Wert von 0.5, aber andere Materialien? Sollte eine neue Größenplanung der Wohnung oder eine neue Fassadenbeschichtung die Schlussfolgerung höchster Entzückung sein? (Die Konditionierung wird wahrscheinlich ein erkanntes Anliegen innerhalb des nächsten Jahrzehnts.)

Licht und Strom

Gibt es verschiedene elektrische Geräte, insbesondere an der Oberfläche? Ist der Innenraum speziell für den elektrischen Ofen? (Die Konditionierung wird wahrscheinlich ein erkanntes Anliegen innerhalb des nächsten Jahrzehnts.)

Verkaufspreis

Was ist der Preis der Wohnung und wie hoch ist die Hälfte der Beliebigkeit? Was kann man kaufen, um den Boden zu bezahlen und wie hoch ist der Restbetrag? Was können Sie sich leisten, um zusätzliches Material zu kaufen? Wird die Wohnung für den Kauf eines derartigen Materials benötigt? (Die Konditionierung wird wahrscheinlich ein erkanntes Anliegen innerhalb des nächsten Jahrzehnts.)
QUESTIONNAIRE FOR HOME BUYERS
(CONTINUED FROM PAGE 56)

Are the boundary lines (especially at corners and all other angles) indicated by permanent markers? If not, what will it cost to set such markers?

What assessments and taxes are at the present time due and unpaid? Are any new ones likely to be levied in the near future? Are there any nearby "improvements" contemplated by the local authorities which are claimed will enhance the value of your property, but which will result in additional assessments?

UPKEEP

The House Itself

If an F.H.A. amortizing mortgage plan is not used, what would be the interest on the first mortgage? What would be the interest on the second mortgage?

How much of an annual sinking fund must be provided for such re-financing as will be necessary unless a savings bank or a building-and-loan association holds the mortgages? What would be the taxes for property, water, school, county, road, light, etc.? What would be the rate on fire and burglary insurance?

What would depreciation and upkeep amount to? (While this may be small for the first year or two, it will increase more rapidly later if repairs are not made at once, and should be provided for by establishing a sinking fund.)

Commutation, if outside the city— is the ratio of this to the combined "rent" charges too high? Find out from some reliable source whether the local government is economically and honestly managed, or is it run for the benefit of the politicians?

Household Expenses

Is the rate on gas, electric and telephone reasonable? Is the insurance rate excessive due to the location or surroundings of the property? Are collections for garbage and ashes included in the taxes, or must they be paid for separately?

How much fuel is necessary, and what kind does boiler require? Could this be lessened by installing adequate radiator valves, and by using a different type of fuel?

DECISION

General

In the annual cost of the house have you included the interest on your own money invested? Will the added expense over and above your present living quarters be worth the added financial burden? Is a rise in property value likely to pay for this difference?

Have you obtained the expert and unprejudiced opinion of an accredited assessor (his fee may save you thousands), or a bank lending-official? (Everything cannot be expected to be ideal, but you should not rely on only the word of the interested party making the sale.)

Advantages Not Reckoned in Dollars

A home provides a healthy and wholesome means of bringing up a family. It is a means of gaining good health (and retaining it) and a source of increasing satisfaction, through working in the garden. There is justifiable pride in owning an attractive home.

I Know My House Will STAY Insulated

— I've Put in BALSAM-WOOL!

When you insulate you want permanent comfort and protection. Then choose insulation that will not settle, get out of place or "pack down," leaving big, uninsulated gaps within your walls. Balsam-Wool DOUBLE-SEALED Insulation cannot settle because it is firmly and positively fastened in place. Throughout the life of the house it continues to give the satisfaction you are entitled to get. Waterproof, windproof, highly fire-resistant and termite-treated, it meets every need of healthful living . . . fits every requirement of air conditioning.

For the Attic of Your Present Home

You can make decided savings on your fuel bills next winter by insulating your attic with Balsam-Wool DOUBLE-SEALED Insulation. Applied in just a few hours (and amazingly inexpensive), Balsam-Wool attic insulation is sold under a money-back guarantee of satisfaction. Mail the coupon for full details.

DOUBLE-SEALED BALSAM-WOOL

WOOD CONVERSION COMPANY

Room 111, First National Bank Bldg.
St. Paul, Minnesota

Gentlemen: Please send me further details on Balsam-Wool DOUBLE-SEALED Insulation.

Name: ____________________________
Address: __________________________
City: ____________________ State: ______

NAME

Neuvogue Bathroom — the Last Word in Beauty and Utility

At a glance the Neuvogue Bathroom shows a departure from tradition—an inherent beauty due to the careful design of each fixture for the purpose for which it is intended. Neuvogue possesses a modern freshness—pleasing because the correct harmony of plane surfaces and line—curve and angle—have been well considered—practical because each piece was created in the spirit of today's demand for utmost utility and convenience.

In quality Neuvogue typifies the high standard Crane has set in all plumbing and heating equipment in every price class. You can see Neuvogue fixtures at Crane Display Rooms maintained for your convenience. Consult your Master Plumber about Neuvogue bathroom for your home. Ask about the Crane Budget Plan.

CRANE CO., GENERAL OFFICES:
836 SOUTH MICHIGAN AVE., CHICAGO, ILL.
Branches and Sales Offices in One Hundred and Thirty Cities

VALVES, FITTINGS, FABRICATED PIPE, PUMPS, PLUMBING AND HEATING MATERIAL

Neuvogue Bathtub—Nearly straight sides give more room—a more luxurious bath. A wide front rim—serves as a comfortable seat.

Neuvogue Lavatory—A center control panel and a top with lots of room—big supply handles that work at a touch. An expansive gleaming bowl with the width at the front.

Neuvogue Closet—Continuation of the lines of the tank to the floor conceals piping—makes for easy cleaning. Hygienic curved seat.

Neuvogue Bathroom

Name: ____________________________
Address: __________________________
City: ____________________ State: ______

Neuvogue for the Modern Bathroom.
SHADE TREE PROBLEMS
By F. Porter Felt

It is difficult to realize the significance of changes in the growing conditions of shade trees which have taken place in the last half century or even during a shorter period. It is admitted that most trees will grow when planted under widely different conditions. Troubles follow marked—especially sudden—changes in growing conditions, or from the accumulative effects of years of growth in unsuitable surroundings. These conditions are not generally recognized although they occur in one form or another on almost every property where trees have some value, are frequently serious and are becoming of increasing rather than of less importance.

SOIL DEPLETION

A tree growing in a smoothly clipped lawn, the cuttings from which are being removed weekly, suffers in the course of years from the accumulative effects of soil depletion. A nice turf does not mean abundant plant food for tree roots deeper in the soil. Little or no grass and leaves are allowed to decay on the lawn and as a result this normal process of soil enrichment is greatly limited on the modern lawn.

The leaf mold formed by rotting leaves is an important element in forest growth, for it is an annual contribution to soil fertility. It produces abundant humus which holds moisture and also protects from extremes of heat and cold, both necessary for thirsty trees.

The closely clipped surface facilitates a quick run off and minimum washing of the soil, especially during heavy rains and on sloping lawns.

The lawn tree, as compared to one in the woods, is exposed to maximum drought and frost effects, due to a greatly reduced supply of humus and also to drying air currents which are much more prevalent in the open than in the shelter of the woods. A comparison of the cool, moist air in the woods with the hot, dry air of the lawn gives an idea of the extent of the difference between the two. These influences operating over a series of years affect trees seriously.

SYSTEMATIC FEEDING

In view of the inevitability of loss to lawn trees of normal additions to soil fertility from decaying leaves and the resultant decrease in the amount of humus in the soil, systematic feeding, using a complete fertilizer with some organic matter, is frequently necessary to satisfactory tree growth. Many lawn trees are greatly helped by sprays which protect from insect pests and plant diseases.

A lowered vitality or an unhealthily condition in lawn trees is relatively common. It is not difficult to correct in most cases.

The most serious hindrances to healthy tree growth are found in recent, developed suburban areas. The usual method is to clear a location in the woodlands for the dwelling, adjacent lawn space and drives. This results in sudden exposure of the marginal roots to the hot sun of summer and drying winds. The former causes sun scorch which may kill possibly the thinnest bark. The freer circulation of air produces a marked reduction in soil moisture due to excessive evaporation.

It is the usual practice to remove much of the surface soil, particularly the humus around the trees, and this causes important changes in moisture conditions, comparable to those described for lawn trees. It is frequently possible to plan the location of the buildings and the arrangement of the grounds in such a way as to minimize at the outset the bad effects upon the more valuable trees.

The property is purchased on account of the trees and yet in its development the fundamental needs of the trees are frequently disregarded.

The clearing of the lot for the dwelling is sometimes done with little regard for the well-being of the tree which it is desired to keep. Particularly valuable trees should be protected from injury by trucks, tractors, steam shovels, blasting, gas wires, the building of fires near or under trees and the careless hacking of roots. The last may be concealed by a fill or covered with concrete. The unprotected cut surfaces afford ready entrance to wood rots and in time such trees are greatly weakened as to necessitate removal.

CARE IN MOVING

The trees which must be cut should be taken out in such a way as to avoid injury to the others. In locating and digging trenches for sewer, water and gas, exercise care to avoid unnecessary mutilation of the roots. It is relatively easy to take many of these precautions though they are frequently overlooked in the rush to build.

The construction of the house, the building of driveways and walks and the grading of the lawn almost invariably result in marked changes in the underground water supply, frequently seriously affecting it. A tree on a slope below a house may have most of the water supply cut off by the excavation of the cellar and incidental drainage. That alone is enough to kill a tree and this frequently occurs. In many cases grave results may be avoided by minor changes to prevent a marked diversion of underground water or a serious lowering of the water table.

GRADING

There is usually grading about the dwelling and other buildings and some incident to the construction of road ways and walks. The lowering of the grade to provide a removal of valuable humus, which is undesirable, and raising the grade is apt to result in a filling which greatly reduces the normal air supply of the roots. Filling may be unavoidable and if so, use a light soil, gravelly in nature, rather than a heavy soil. Even a relatively thin filling with clay is not a serious aeration so effectively as to suffocate many of the roots and then the trees may die within a few years. An open well at the base of each tree greatly aids soil aeration, or, still better, a system of radiating tiles or open stone drains could be laid on the original.
SHADE TREE PROBLEMS

(continued from page 56)

surface prior to filling. Troubles of this nature may be found on a large proportion of suburban properties.

DANGERS OF CONCRETE
Concrete, macadam and similar surface materials prevent soil aeration, reduce soil moisture and greatly lessen the value of feeding areas for adjacent trees. They are usually more injurious than filling with clay. Excessive courts and wide road beds of imperious materials are located with little regard to their effects on nearby trees, and apparently with no thought that relatively minor changes would make it much better for the trees. Occasionally one sees a few large trees with a good proportion of their feeding areas completely covered with imperious cement or similar material.

The needs of trees exposed to such conditions have been ignored although they are supposedly highly prized. The avoidance of conditions so hazardous to trees is comparatively easy. It should be possible to obtain satisfactory architectural effects without wide areas of dazzling cement, especially if appearances were enhanced by vigorous trees rather than partially destroyed by oaks or elms struggling to exist. Unfortunately, the ill-effects of concrete and macadam are more prevalent about the dwelling, the place where vigorous trees are most desired, and the larger the property the greater the probability of such conditions.

GRASS AGAINST SUN-SCALD
The danger of sun-scald to thinned limbs and trees can be greatly reduced by slow thinning until the desired openness of the woodland is obtained. On the margins of driveways and the lawn, leave more trees than it is planned to retain permanently, in the expectation that some of the more exposed will die slowly and give protection for a time to those behind. This may prevent serious injury to the permanent trees. If it is impractical to leave temporary bordering trees, band the thinner bark of those most badly exposed to the sun with burlap for at least a season or two. There is much more sun-scald than many realize. Frequently the effects are attributed to other causes.

Remove no more of the humus or decaying leaf mold of the forest floor than is necessary and conserve low shrubs for a time at least in order to permit the trees to make a gradual change from the protected moist condition of the woods to the more open surroundings of a dwelling. The decaying vegetable matter is a most effective absorbtion of moisture and a great check on evaporation of soil water. Even at best there will be considerable change in the growing conditions. The removal of humus kills many valuable trees in the course of years.

The effects of changes in growing conditions are likely to extend throughout a series of years. Even with the best of care, some of the more valuable trees may suffer greatly. Feeding materially aids trees in adapting themselves to new conditions and is recommended for those which are more important.

(Continued on page 60)
Delaying feeding until there is a weakened condition defeats the very purpose for which the property has been purchased and is being developed. It permits a decimation to start and possibly get beyond control before the seriousness of the probable outcome is appreciated.

The property was purchased because of the trees. The desire to conserve the investment suggests doing what is feasible to keep them vigorous. It costs much less than to replace them and as a rule the results are more satisfactory. It is desirable to spray such trees at the outset for control of leaf-eating insects, especially as this, as well as feeding, to a considerable extent prevents attacks by deadly borers. The reason for these recommendations is that borers, especially two-lined chestnut borers and bronze birch borers, are limited somewhat closely to oaks and birches. Prevention is more satisfactory than attempts to remedy trouble.

Many trees in recently developed wooded areas have to make greater adjustments than ordinary transplanted trees, even if the transplanting is done poorly. The need of good care for transplanted trees is generally recognized. It follows from the above that woodland trees should be given the best possible care, starting with the laying out of the grounds.

The pith of the matter is, that while trees grow under widely different conditions, it is a fact that sudden changes in any of the essential requirements are extremely dangerous and in many woodland developments they are made with little regard for probable effects. It is entirely possible, in many instances, to avoid drastic changes or, by the adoption of precautions, to minimize the danger of injuring the trees. It is obvious that this latter should be given consideration in planning the home grounds, especially if they were purchased largely because of the trees.

**HEAT**

Of the fuels used in heating—coal, oil, and gas—the choice is largely a question of economy, cleanliness, and availability.

Economy will vary with availability, of course, and in those sections of the country where gas, for example, is plentiful and inexpensive it is naturally the logical choice, whereas in other sections it might compare unfavorably with coal or oil.

But economy is also dependent on the efficiency of the heating equipment and the degree of control that can be maintained over it. The old-fashioned, hand-stoked, coal furnace is an example of the wastefully inefficient equipment which has been largely superseded by modern automatically controlled installations.

For instance: "Tending the furnace" was, only a few years ago, one of the major tribulations of the winter season. The home-owner would be reminded—either by his wife or by a chilly feeling around the feet—that the furnace needed more coal. He descended into the cellar, opened the furnace door (thereby cooling the fire with an inrush of cold air), and threw on some more coal. This green coal was quickly heated by the incandescent coal beneath, resulting in distillation of the volatile gases so rapidly that large amounts escaped unburned up the chimney. The gentleman-stoker adjusted the drafts as well as he could and returned upstairs where, in a short time, the rooms which had been chilly began to be uncomfortably warm.

The development of modern equipment gradually brought about the changes which today are commonplace.

The progress from "tending the furnace" to the convenience of modern installations has, however, been gradual. Probably not very many of our readers are still using really obsolete heating equipment. But it is equally probable that a considerable number are using systems which represent only a comparatively slight improvement, and which could profitably be brought more into line with later developments.

Our purpose, in this article, is to discuss in thoroughly non-technical terms various elements in the modern heating system as they apply, or may be applied, to new homes and to the modernization of existing installations.

The first element to consider is, of course, the source of heat—the automatic stoker, the oil burner, and the gas burner.

**AUTOMATIC STOKERS**

Mechanical stokers, of which there are a number of types, differ from one another mechanically, but are all designed to feed coal in a regulated flow into the furnace and to dispense with the nuisance of hand stoking. A common type conveyes the coal from a storage hopper by means of a motor-driven worm, or ring drive, to the retort in the combustion chamber. This retort has openings through which air for combustion is admitted. The coal is fed into the bottom of the retort and is slowly pushed up to the surface where it becomes incandescent. During this process the volatile gases, which are liberated from the coal, pass up through the burning coal and are ignited. Proper draft is maintained by a blower driven by the same motor that operates the conveyer.

Some stokers have an automatic grate-shaking device, and mechanical means for removing ash and depositing it in a receptacle. Some have a coal feeder which requires periodic filling by hand, while others automatically take coal directly from the bin to the fire.

The automatic stoker has made coal almost as clean to use as oil or gas and the comparative economy of burning low-cost coal may, in some sections, be equalled by no other fuel.
WHY...many finer homes are being roofed with KENMAR Copper Shingles

Kenmar Copper Roof Features
- Distinctive and Everlasting
- Permanent weather-tight
- No maintenance cost
- Fire safe
- Lightning protection
- Lightest weight
- Cools rapidly at night
- Insulating value
- Salvage value
- Low nail cost

THERE is no building that will give you the best protection for dollars. The best building material you choose is the material which will give you the most protection for your dollars. This is true of any building material. If you want the best protection, you should use copper shingles. Copper shingles are the most durable of all building materials. They are the only building material that can withstand all weather conditions. Copper shingles are the only building material that can withstand all weather conditions. Copper shingles are the only building material that can withstand all weather conditions.

Before you build or re-roof

The manufacturers of Kenmar Copper Shingles, one of the oldest copper mills in the United States, have just published a new booklet on Kenmar Copper Roofs. It is a fact book from cover to cover. It lists the twelve points to check carefully when you select your new roof. The book is illustrated with photographs of buildings all over the country now roofed with Kenmar Copper Shingles. Also direct color photographs of the various effects which can be obtained with Kenmar Copper Roofs. Gives detailed technical information about Kenmar Roofs for owners, architects, contractors, roofers.

BOOKLET FREE to anyone planning to build or to re-roof. To secure your copy, paste coupon on a penny post-card, fill in, and mail.

The New Haven Copper Co., Seymour, Conn.
MANUFACTURERS OF SHEET COPPER SINCE 1865
Seymour, Conn.

New Haven Copper Co., Seymour, Conn.
I am planning to

build

Send your new booklet, "Kenmar Copper Roofs," to:

My architect is

My contractor is

(Continued on page 62)
ETERNIT TIMBERTEX is the name of a remarkable, Asbestos-cement Shingle—Ruberoid-made—now used the nation over for dependable roofing, re-roofing and modernizing work.

This fire-proof, rot-proof and time-defying shingle, with its 2/3" thick butts, faithfully reproduces the lovely texture of weathered cypress, aged and mellowed. You have a choice of several "wood" colors; all are soft and rich. These colors are not merely on the surface—they are built in—an integral part of the shingle. You never have to paint or stain Timbertex Shingles to prolong their life.

Roofer experts endorse the amazing, value-giving features of Eternit Timbertex as a solution to roofing upkeep. In this shingle, you have beauty, safety, durability and economy—and all at a remarkably low first cost.

If you plan to build, re-roof or modernize, investigate Eternit Timbertex—today's shingle triumph. We invite you to mail in the coupon for further facts.

Shingles of Cypress Charm
FIRE-PROOF...ROT-PROOF...NEVER REQUIRE PAINT

This point cannot be stressed too much. Many a household, weary of shoveling coal and attracted by the promise of more economical heating, has installed a burner of some type in his old boiler. He has been relieved of the shoveling, but he has probably looked in vain for the hoped-for economies. It is possible that an automatic stoker, installed in a reasonably up-to-date boiler or furnace, will show good results. But when gas or oil is the fuel to be used it is best to scrap the old coal installation and put in a modern unit designed expressly for the work to be done. According to reliable authorities, the extra expense will be repaid within four years—sometimes three years—by the economies effected in fuel consumption.

SELECTING THE BOILER

A good heating contractor should be called in to assist in the selection of a boiler. He will take all factors into consideration—size and shape of the house, number of radiators, outdoor temperatures, etc.—and will recommend equipment which is properly designed to give maximum satisfaction with maximum economy. It is essential that the heating contractor be thoroughly familiar with the equipment he is to install and, if the household has difficulty in deciding upon such a contractor he should get in touch with the manufacturers of the boiler he expects to purchase.

Bath and Kitchen Walls—NEWTILE


RU-BER-OID
ROOFING AND BUILDING PRODUCTS

...for Bath and Kitchen Walls—NEWTILE

Modern Plumbing

Modernization Products which interest you:
□ Asbestos-Cement Shingles
□ Rock Wool Insulation
□ Asbestos-Cement Siding
□ Sheathing Paper
□ ‘Newtile’ for bath and kitchen walls

Check the RuBerOid Building and Modernization Products which interest you:
□ Asbestos-Cement Shingles
□ Rock Wool Insulation
□ Asbestos-Cement Siding
□ ‘Newtile’ for bath and kitchen walls
□ Sheathing Paper
□ I am planning to build.
Please send your free booklet and full facts about the products checked.

HEAT

(continued from page 61)

The next element to consider is the means by which the heat generated in the boiler is distributed to the heating units throughout the house. The principal pipe systems which conduct the steam, vapor, or hot water to the radiators or convectors are briefly discussed in the preceding paragraphs, which offer the reader comparison of relative performance and cost.

One-pipe steam systems have the lowest initial cost of any of the five systems, and are also the most sensitive. It is composed of a single pipe line leading from the boiler to the radiator. An air-vent valve on the radiator permits the air in the pipe to escape when steam rises in the pipes. Condensation—the water which forms in radiators and pipes as the steam is allowed to cool—must drain to the basement or through the same pipe used by the ascending steam. In poorly designed systems this often causes a pounding noise in the pipes. Similarly, the radiators are often slow in heating and quick to cool. It is difficult to maintain a satisfactory degree of automatic control over this type of system.

VAPOR SYSTEMS

One-pipe vapor systems are identical in construction with one-pipe steam, with the important exception that the vacuum type air-vent valve is used on all radiators and air chambers in the return lines near the boiler. The action of the vacuum valves is not difficult to understand. They permit air to be forced out of the system by the steam, but prevent its reentry for several hours. This develops a partial vacuum within the system. Just as water boils at lower temperatures on a high mountain top than at sea level—because of the lessened weight of atmospheric pressure on the water—the water in the boiler, relieved of its normal atmospheric burden by the vacuum, continues to generate low-temperature steam for a period, even after the fire is checked. Radiators stay warm longer and, when the fire is turned up again, the vacuum permits the steam to reach the radiators more quickly because it is unimpeded by the presence of cold air.

Conversion of old one-pipe steam systems to one-pipe vapor systems is easily effected and results in lower operating costs, more uniform control, and greater comfort. It is essential, however, that the entire system be checked for possible air leaks, as the existence of such leaks would make it impossible for the system to build

(Continued on page 63)
HEAT

(continued from page 62)

up a vacuum and maintain it for any appreciable length of time.

The initial cost of this type of system is higher than one-pipe steam, because of the cost of vacuum valves, but lower than any two-pipe system.

Two-pipe steam systems are still sometimes found in older buildings. These are similar to the one-pipe steam systems previously described, differing only in that they have one pipe line for supply and another for return, with a hand valve on each at the point of connection with the radiator.

Being wholly without automatic control they are not comparable in performance to modern two-pipe systems by which they have now been superseded. However, a qualified heating contractor can modernize and convert them to the more efficient types by the addition of necessary controls.

Two-pipe vapor system

Two-pipe vapor systems differ from one-pipe systems in that they have a separate line of pipe, connected to the radiators, which carry air and condensate back to the boiler independently of the supply lines. At the point where these return pipes connect with radiators there is a thermostatic trap which will pass air and condensate but closes against steam. Air from the return pipes is vented through an air trap near the boiler, and the condensate passed back into the boiler. Control valves at top of radiators are of the modulating type—preferably equipped with "orifices", or means of adjusting the valve to admit the exact amount of heat required by the size of individual radiators.

The performance of this type of system varies with the nature of controls employed. The more precise and automatic the control, the better will be the performance. However, it may be said in general that it offers good formity—excellent, under optimum conditions of control—and costs rather less to operate than one-pipe systems.

Its initial cost is higher than one-pipe systems but lower than two-pipe vacuum or hot-water systems.

The atmospheric system

The atmospheric system is similar to the vapor system except that the air is freely vented to the atmosphere. This means that air may be forced from, or return to, the radiators as the steam supply is varied, thus permitting any proportion of steam and air to be maintained in the radiators. Thermostatic traps are used on the radiators unless orifices are employed to limit the amount of steam supplied.

Simplicity is characteristic of this two-pipe system. Its initial cost is lower than either vapor or two-pipe vacuum systems; it shows excellent uniformity of performance when properly controlled. Its operating cost is lower than two-pipe vapor.

Two-pipe vacuum systems have the highest initial cost of any two-pipe system and are primarily intended for large buildings. Their performance when properly designed is generally superior to vapor systems.

These systems operate under a

(Continued on page 64)
Hodgson Prefabrication
Provides Year-round Insulation!

Modern, efficient insulation—to keep you cool in summer, save you fuel in winter—is part of the Hodgson plan. But even that feature can be eliminated, if you don’t want it. For this is a flexible method of prefabrication — created more than forty years ago, and developed by the practical experience that comes with building thousands of homes! You can include or omit virtually anything in your Hodgson House. Size, number, and types of rooms are not hard and fast rules. The design—though basically early New England—can be altered to your taste and needs.

Choose a plan from our portfolio... or the Hodgson Architectural Staff will lay out precisely what you must have. Three weeks normally sees a Hodgson House ready to receive you. Local labor, under a Hodgson foreman if you desire, does the final erecting. Additions easily made in the future. Shipments anywhere.

Visit the Hodgson Colonies indoors in New York or Boston... furnished year-round homes, greenhouses, playhouses, garages, etc. Or write for new 1937 Catalog HG-81.

HEAT
(continued from page 63)

It is essential that heating lines be well insulated against heat loss. The heating contractor should use only insulating material of recognized value, the product of a reliable manufacturer. Incidentally, heat loss through the walls and roof of a house is often a greater source of heat waste, while it does not influence the efficiency of the system itself, it suggests forcibly the ultimate economy of providing the house with good insulation against this unnecessary waste.

Radiators and Connectors are the disseminators of the heat generated in the basement. The ultimate efficiency of the entire system can be increased, or materially lowered according to whether or not these heating units are properly sized, properly placed, and—if they are enclosed—an enclosure which will promote rather than retard the flow of heat.

It is wise to use radiators and connectors of dissimilar metal in a house, or part of a house, controlled by a single thermostat. Connectors, especially those not made of iron, heat more quickly and cool more quickly than do radiators. The same control, therefore, cannot well be applied to both with creating wider fluctuations of temperatures in rooms supplied with radiators. On the other hand, it is good practice to use a majority (say 70%) of either type and to employ the alternate type in such rooms as need either more or less heat than prevails in the rest of the house.

Automatic Control
Automatic control of domestic heating equipment is designed to maintain temperature conditions required for human comfort, and to promote economy in operation. This control is exercised by the thermostat.

Wall thermostats, such as are generally used in homes, are actuated by a small piece of "bi-metal" (composed of two metals with different coefficients of expansion) which bends slightly, as the temperature changes, thereby motivating an electric or pneumatic switch to govern the heating apparatus. These thermostats may contain a single element set to maintain a single temperature; or two elements, one of which

(Continued on page 65)
HEAT

(CONTINUED FROM PAGE 64)

is set for a higher (daytime) temperature than the other which controls the night temperature.

In addition to the single thermostat control there are two other systems occasionally used in residences: individual room control and zone control.

Individual room control, the most elaborate of the three types, provides a thermostat in each room by means of which the radiator valves in that room are automatically governed. This system is relatively expensive but it may be modified and applied in homes where one room is difficult to heat.

ZONE CONTROL

Zone control is an intermediate of the above two systems. A large residence may be divided into sections having different heat requirements. For example, in many localities the rooms having north and west exposures may require more heat than those facing south and east. Each section is therefore given its own thermostat, resulting in greater comfort and greater economy.

When humidifying equipment is used in conjunction with heating, an instrument called a "humidistat" is frequently used with the heater. The humidistat is sensitive to the amount of moisture in the air, just as the thermostat reacts to heat. Its use with humidifying apparatus is especially desirable since humidity is less readily perceived—hence less adaptable to manual control—than is heat. Used together, these instruments serve to maintain even temperatures coupled with a healthful, balanced moisture content in the air.

INSULATION

Insulating men like to tell the old joke about the man who, when asked if he intended to have insulation in his house, replied indignantly: "Certainly! Do you think I'm going to put all that wiring in there bare?"

Ten years ago insulation was considered a doubtful luxury. Its purpose was not clearly understood. Its achievements had not been widely recorded.

But in the last decade there has been a radical change in the thinking of home-owners and builders. Houses are no longer considered merely shelters.

There is an increasing demand for comfort and—obviously born of the depression—economy of operation.

As air conditioning rises to be a major American industry, insulation, another phase of comfort insurance, is reaching record proportions.

DEFINITION OF INSULATION

The primary purpose of insulation is to minimize the transfer of heat through the walls and roof of a house. In winter this involves keeping heat in; and, in summer, keeping excessive heat out. There are three ways in which this heat is transferred: by conduction, by convection, and by radiation. Briefly, we may say that conduction involves the transfer of heat through a solid material. Dense materials conduct heat most slowly. (Continued on page 66)
Now available for the average home! Solid ALUMINUM OR BRONZE WINDOWS!

AMAZING ADVANTAGES

Kawneer LIGHT SEALAIR WEIGHT-HUNG WINDOWS embody the lessons of many years' experience in building fine rustless metal windows for large residences, ocean liners, public and private buildings and other important projects. Here, at last, are windows that always open compactly or close attractively and are available for any type of window opening. Furnished in standard sizes as complete units ready for quick installation. Maintenance costs is practically eliminated. Installations from coast to coast.

WRITE THE KAWNEER COMPANY NILES, MICHIGAN, FOR NEW ILLUSTRATED BOOKLET & KAWNEER SEALAIR WINDOWS

INSULATION

(CONTINUED FROM PAGE 65)

fuel burned and the probable dollars-and-cents savings that will be realized. Obviously, if fuel is relatively expensive the savings will be proportionately greater for the same amount of insulation. If comfort is the main consideration, although the heating load will be definitively lightened, the amount of money saved is not quite so important. Will the insulating material be made of wood fiber, rock wool, or some substitute for some structural material, such as a base for plaster? Or as the interior finish of walls? Special types are adapted to these uses, while others are intended to act solely in the capacity of insulators and are supplemental to all other construction.

The ever-increasing demand for insulating materials has resulted in the development of a wide variety of products under many brands. All these, however, fall conveniently under four general headings designated in accordance with the nature of the product and the method of its application.

FILL TYPE

Fill type insulation is a fibrous material used for filling the space between the interior and outer walls and roof or attic floor. It is made in such a way that it can be blown through a hose, or packed by hand, into all the spaces between the joists and rafters of existing buildings without inconvenience to the occupants and without any temporary disfigurement of the structure. Walls are filled by removing a clapboard, or brick, or boring a small hole for access at the top of each space and applying the granulated or shredded insulation through a hose, at a controlled pressure which produces approximately uniform density. Attic floors are filled between the joists, or the roof may be insulated by applying board or heavy paper to the structural members and filling in behind it.

Fill insulation is also used in new construction, and its use as described above is emphasized only because it is peculiarly adapted to the important work of providing an existing house with the comfort which would automatically be built into a new house at the time of construction.

FILL MATERIALS

The materials of which fill insulations are commonly made are mineral wool or glass wool. These materials are light, non-combustible and permanent and both owe their efficient insulating properties to their fibrous structure which opposes a dense network of minute dead air spaces to the flow of heat. Furthermore, all fill-type insulation is applied "wall-thick"—approximately four inches. Lightness plus thickness are valuable factors in fill insulation.

Quilt and batt type insulations are similar to one another in the manner in which they are applied. Quilt insulation is a loosely felted fibrous mat of red grass, wood fibers, etc., covered with a layer of moisture-proof paper or fabric. Bats are substantially the same except that they are made generally of rock wool, glass wool, or cotton.
cellulose, etc. Bats are usually 3½" or 4" thick whereas quilts seldom exceed two inches.

**STANDARD SIZES**

Quilts and bats are manufactured in standard widths which permit them to be fitted snugly between the structural members of a house. In existing buildings they may be used for roof or attic insulation without difficulty, where the framing is exposed, but may not readily be placed between the walls except during construction.

Insulation of this type may be quickly and easily installed in new buildings, is clean to handle, permanent, and fire-proof or fire-resistant. Its lightness and loosely matted form make it suitable for packing cracks around openings and fitting around pipes and into irregular-shaped spaces. Like the fill type, quilt and bat insulation are used solely for their insulating properties, and do not take the place of any other building material.

**BOARD TYPES**

Board type insulation, on the other hand, is rigid, and usually possesses structural strength. It can be sawed and nailed and often serves as the plaster base or siding in addition to providing insulation. Usual thicknesses are one-half, three-fourths, and one inch.

Board insulation owes its effectiveness to its porous or fibrous structure. It should not be confused with the various types of building board which are used exclusively for structural purposes but are too dense in structure to provide any considerable degree of insulation. The materials of which board insulation is commonly made are cane, fibre, wood fibre or magnesite. Cork board, of course, belongs in this group. Though it has not the structural strength of other boards, because of its high insulating value it finds its largest field in fine home and commercial installations rather than in smaller structures. Gypsum board, normally not an insulation board, is now procurable with aluminum foil insulation applied to one side, thus combining the advantages of reflective insulation with the excellent structural properties of gypsum lath.

It may be said that the thinner types of board insulation are not, on the whole, as effective as the lighter and thicker non-structural types, but their extra service as plaster base or sheathing may make their use appropriate both in new construction and in remodeling, in cases where economy plus a moderate amount of insulation are the requirements.

**REFLECTIVE TYPES**

Reflective insulation, consisting of thin sheets of metal foil, of paper or board surfaced with foil or with polished mineral pigment, is a comparative newcomer to the field of home insulation. Its use explains why Johns-Manville Rock Wool can be blown scientifically into empty walls and attic spaces... how it helps keep heat out during the summer—and in during the winter. It tells you why your home, insulated the J-M way, will be up to 15° cooler on hottest days—why it will be easier to heat in the winter—why fuel bills will be reduced up to 30%.

This fascinating Free Book also explains why Johns-Manville Rock Wool gives maximum insulation benefits. It is installed by your local J-M Home Insulation contractor, a trained expert. Practically all work is done from the outside. When the job is finished, the small holes necessary are sealed up without trace.

You get full thickness, correct density, a uniform barrier to the passage of heat. No voids or thin spots, no "fluffed-up" areas mar its efficiency. J-M Rock Wool won't rot, corrode or settle. Don't wait until the next heat wave turns your house into an oven; send for the Free Book today. Mail the coupon below.

**FASCINATING FREE BOOK**

**MAIL THE COUPON FOR FASCINATING FREE BOOK**

JOHNS-MANVILLE

**Ful-Thik Rock Wool Home Insulation**

MAIL THE COUPON FOR FASCINATING FREE BOOK

JOHNS-MANVILLE, Dept. HG-3, 22 East 40th St., New York. Send FREE Illustrated book telling whole amazing story of J-M HOME INSULATION. I am interested in insulation for my present home ( ) for new construction ( ) (please check).
insulation (continued from page 67)

With adequate fencing your property and gardens are at the mercy of trespassers, vandals, heedless children, stray dogs and other annoyances. Safeguard your home, lawn and costly plantings with a dignified Stewart Iron or Chain Link Wire Fence and enjoy the security and seclusion that can be gained in no other way. Literature on request, Stewart Sales and Erection Service is Nation wide.

"World's Greatest Fence Builders Since 1890"

The STEWART IRON WORKS CO., Inc.
418 Stewart Block
Cincinnati... Ohio

Here is a recent development in wall covering material that will give beauty and charm to your kitchen, bathroom and cocktail lounge... Marlite... will not chip, stain or absorb odors... Marlite... the smooth glass-like surface is kept clean with a damp cloth... Marlite... available in 62 colors and patterns.

KITCHEN WALLS COVERED WITH MARLITE

INSULATION

Reflective insulation is economical to install, and laboratory tests appear to demonstrate its effectiveness. In a point of testing under actual conditions of use this type of insulation has not the benefit of the mass of data collected on older types. It is therefore probably too soon to attempt an authoritative estimate of its practicality and permanence.

In addition to insulation there are two other factors in temperature control—weatherstrip and storm windows. Weatherstrip might well be considered the initial step in insulation, since it must be obvious that no amount of insulation in the walls and roof of a house will assure comfort and economy if cold air currents filter into the house around every door and window.

To prevent infiltration, modern weatherstrip of metal has been devised. It should be installed by a competent carpenter and should not be confused with the temporary and haphazard felt weatherstrip often applied by the home owner as a sort of first aid to advanced cases of infiltration.

Modern weatherstripping is designed to form a continuous water-tight and wind-tight seal around all doors and windows and along the crosstie of double-hung windows. Commonly, it is of the interlocking, tongue-and-groove variety, although certain types employ a thin ribbon of spring metal to seal the crack. Installation requires that doors and windows be removed from their frames.

The two metals chiefly used for weatherstrip are zinc and bronze. Zinc is perfectly satisfactory in 75 per cent of localities but will deteriorate rapidly in salt air or when exposed to certain gases found in industrial sections. Bronze is permanent and durable anywhere. It costs about 21/2 times as much as zinc.

When one considers the advantages of weatherstripping, the cost is found to be a fairly negligible item. A house properly weatherstripped will show a fuel saving of from 15% to 25% over one which is not. Draughts from this most common source are eliminated (government figures estimate at 25% reduction in leakage in a 30-mile wind); rattling or sticking doors or windows are corrected; the house is made more secure against summer dust or driving rains. The cost for this, in the case of the average small house (25 windows, 3 doors), will run approximately $100 for zinc or $175 for bronze, installed. Where air-conditioning systems are employed in a house, weatherstripping is an essential to good operation. It is doubtful whether any manufacturer of such systems would promise satisfactory operation in a house not so equipped.

Storm windows properly fitted are decided aids in correcting excessive heat loss. The importance of some form of insulation in glazed openings becomes apparent when one considers the large proportion of wall space, in the average house, occupied by windows. Radiators or stoves are commonly placed under windows for the reason that the greatest heat loss always occurs at these points.

The important factor in the insulation of glazed openings is the creation of a dead air space between two sheets of glass. This space should be made as air tight as possible, to prevent convection currents, and, to secure maximum efficiency. It should not exceed 1/2 inch between the panes. Double glazing of this type engenders the attention of a number of large industrial laboratories and it will doubtless not be long before this form of insulation is more readily procurable than at present. The trend seems to be towards incorporating two sheets of glass in a single frame with an air-tight divider separating them by exactly the proper distance. The air in this space is dehydrated to prevent condensation within the panes and the frame is then hermetically sealed.

With these salient facts about insulation in mind, the reader should be in a position to consider how he will attack the question of making his home comfortable and healthful and more economical to heat.

IN ORDER OF IMPORTANCE

Unless a complete job of insulated window is to be done at once, the important consideration is what to do first—that part of the complete job that is most necessary and will show the greatest return. Probably weatherstripping is the first need of almost any house. As has been pointed out before, no insulation of walls or roof will offset the effect of infiltration through cracks which, in the case of the average door or window, total up to the equivalent of a hole 61/2 inches long by 3 inches wide.

The next consideration is insulation. If it is desired to do only a portion of this work at one time, perhaps completing the job at a later date, the roof or attic floor is the important point to insulate. Heat rises, and a greater percentage of heat loss occurs through the roof than through the walls. There are several factors which are important in deciding whether to insulate the roof or the attic floor. Whether the roof is insulated, heat rises into the attic, and, since this space represents a considerable part of the total area of the house, a considerable amount of heat occurs when this heat is permitted to rise into an unused space. When the attic floor is insulated, however, care should be taken to provide adequate ventilation of the space which remains under the roof.
BUILDING BOOKSHELF

Air Conditioning in the Home, by Elmer Torok, M.E.; 296 pp.; illustrated; published by The Industrial Press, 148 Lafayette St., New York; price, $3.00

Although this book is sufficiently complete and authoritative to be of interest to architects and engineers, the author has been careful to keep his treatment of the subject so simple and direct that the book is admirably adapted to the needs of the layman. The opening chapters deal with the various functions of an air-conditioning system, the equipment involved, and the several types of systems. Installation and operation are discussed, with pertinent facts concerning the estimated costs of operation. There is a splendid chapter on the principles of air conditioning, presented in the form of questions and answers.

The latter part of the book is devoted to an outline of methods of calculating the air-conditioning requirements of a given space in a given structure. The tables, examples and solutions might be of interest only to those individuals with a mathematical turn of mind, although the author suggests that these calculations are no more difficult than a good cross-word puzzle, and every bit as fascinating.

Mr. Torok is a mechanical engineer of distinguished attainments, and his book should prove of real value to all those home-owners who want to know more about this extremely important subject.


The architectural history of Western Pennsylvania started some years before the middle of the eighteenth century, when the first white trader built a crude cabin near the headwaters of the Ohio. Through the period from 1750 to 1795, as the stream of pioneer settlers moved into the land, most of the buildings were of logs. With the construction of the historic traffic arteries—the hard surfaced pikes and the canals—the settlement of the West began in earnest, and the Pennsylvania homesteaders of the Colonial era gave place to the early industrialists of the post-Colonial period. The homes of this period reflect the influence of the Greek Revival. It is history, therefore, in terms of architecture, which we find in this handsomely made, profusely illustrated volume. Almost every significant type of structure built prior to 1860 is represented by photographs, often supplemented by carefully developed measured drawings. The survey is profusely devoted to residences, but also includes public buildings, barns, mills, manufactories, furnaces, bridges, canals, structures, tollhouses, and fortifications.

This volume is the work of the Western Pennsylvania Architectural Survey, the costs of operation and publication being defrayed by The Buhl Foundation of Pittsburgh. Much of the field work and the measured drawings were done by members of the architectural profession associated with the survey.

The trim Winston Lavatory (made of the finest vitreous china) with chromium legs and fittings is just the right companion for the T/N one-piece water closet. It was especially designed for such installations. Chromium towel racks on either side bring about added convenience. Plan to include the T/N one-piece water closet and the Winston Lavatory in your bathroom. Both are made in a wide variety of colors. You will find they can be included in the most modest budget. Talk it over with your architect and contractor.

W. A. CASE & SON MFG. CO.
BUFFALO, N. Y.

Fully illustrated bathroom suggestions with the T/N, and the Winston Lavatory are yours for the asking. Send your name and address to:
W. A. CASE & SON MFG. CO.
33 Main St., Buffalo, N. Y.

Plan to include the T/N one-piece water closet and the Winston Lavatory in your bathroom. Both are made in a wide variety of colors. You will find they can be included in the most modest budget. Talk it over with your architect and contractor.

W. A. CASE & SON MFG. CO.
BUFFALO, N. Y.

Fully illustrated bathroom suggestions with the T/N, and the Winston Lavatory are yours for the asking. Send your name and address to:
W. A. CASE & SON MFG. CO.
33 Main St., Buffalo, N. Y.

Dept. E

Send for our Home Heating Helps Book for full facts. It also shows you how to have air conditioning for less than you think. It also gives you the hard surfaced pikes and the canals—the settlement of the West began in earnest, and the Pennsylvania homesteaders of the Colonial era gave place to the early industrialists of the post-Colonial period. The homes of this period reflect the influence of the Greek Revival. It is history, therefore, in terms of architecture, which we find in this handsomely made, profusely illustrated volume. Almost every significant type of structure built prior to 1860 is represented by photographs, often supplemented by carefully developed measured drawings. The survey is profusely devoted to residences, but also includes public buildings, barns, mills, manufactories, furnaces, bridges, canals, structures, tollhouses, and fortifications.

This volume is the work of the Western Pennsylvania Architectural Survey, the costs of operation and publication being defrayed by The Buhl Foundation of Pittsburgh. Much of the field work and the measured drawings were done by members of the architectural profession associated with the survey.

Send for our Home Heating Helps Book for full facts. It also shows you how to have air conditioning for less than you think. It also gives you the hard surfaced pikes and the canals—the settlement of the West began in earnest, and the Pennsylvania homesteaders of the Colonial era gave place to the early industrialists of the post-Colonial period. The homes of this period reflect the influence of the Greek Revival. It is history, therefore, in terms of architecture, which we find in this handsomely made, profusely illustrated volume. Almost every significant type of structure built prior to 1860 is represented by photographs, often supplemented by carefully developed measured drawings. The survey is profusely devoted to residences, but also includes public buildings, barns, mills, manufactories, furnaces, bridges, canals, structures, tollhouses, and fortifications.

This volume is the work of the Western Pennsylvania Architectural Survey, the costs of operation and publication being defrayed by The Buhl Foundation of Pittsburgh. Much of the field work and the measured drawings were done by members of the architectural profession associated with the survey.
With Coppes cabinet-units, counter tops and accessories, made in a full range of types and sizes, any kitchen can be fitted exactly and beautifully! Coppes equipment is used in America's finest homes. Hardwood construction throughout, with three-coat, hand rubbed enamel finish in 18 beautiful colors. Representatives in principal cities. See their displays—or write for details.

Coppes Cabinets of Nappanee

K-Veniences - Double Closet Capacity

Make Tidiness Automatic

These cleverly designed fixtures will give you the extra closet space you desire...establish orderliness...keep garments in better condition. K-Veniences include: Shoe Racks, Hat Holders, Tie Racks, Trouser and Skirt Hangers, Garment Carriers, etc. . . . 38 individual items in all. Thousands of homes have already been modernized by K-Veniences. Inexpensive. Easy to install. Sold by leading department and hardware stores, or direct if dealer cannot supply.

FREE BOOK Write today for your free copy of "System Goes into the Clothes Closet"

KNAPE & VOGT MFG. CO., Inc., 405 E. Market St., Nappanee, Indiana

HARDWARE

O'ALL the materials and equipment that go into a house, it would be difficult to think of any which are so constantly used and handled by the household as are the hardware and the front door. Yet these are of good quality and properly selected for their particular function they will be a source of satisfaction every time they are used. The simple act of opening a window or locking the front door will reflect, in a sense, a tribute to the owner's wisdom and foresight. There is nothing more annoying than doors that are difficult to open or close, or windows that are difficult to open or close, or doors that seem to sag on their hinges, latches that don't stay latched, and, of course, there is little security in a cheap lock that any intruder could pick without making the slightest disturbance.

In point of appearance, too, it is extremely desirable that the building budget should provide for the purchase of up-to-date equipment of a quality at least commensurate with other materials in the house. Paint and wallpaper, and many other items of decoration, may be frequently changed or renewed—the house may even be re-roofed—but the hardware, like the doors and windows, is expected to remain attractive and to work efficiently as long as the house stands.

In the selection of hardware for your home the three important considerations are style, function and quality. It is well to consult with your architect and with an experienced builder's hardware man in making your decisions. In the matter of style, it is of course, important to select hardware that will be completely harmonious with the architectural design of your home. Manufacturers' stock pat­ terns include reproductions of distinguished hardware in every important style, as well as adaptations and original designs. It should not be difficult to narrow your selection down to the particular style and then to choose the particular pattern which most appeals to you.

Function is another matter, and one which merits close attention. Manufacturers have devised locks and latches, in a specific case, he may be able to suggest a type of lock which will serve your purpose better than you had realized was possible. For example, it is quite usual to find a garage door equipped with a lock as solid and as attractive looking as the lock on the front door. Yet that lock may not necessarily provide any security for the contents of the garage. The thief cannot enter by the door but he can force a window and then wait is to prevent his unlatching the door from inside? The manufacturer's answer to this condition is a type of cylinder lock which cannot be opened from either side without the key. And, speaking of the front door, it very often happens that this door is secured with the best available lock and other hardware, while the rear door is so poorly equipped that even an amateur could open it without making much noise or taking much trouble.

So much for security. But, quite aside from security, this same matter of function extends itself to many other pieces of hardware throughout the house—cabinet operators and latches for French doors, the hardware appropriate to secret panels and many other installations of a special nature. In the selection of any of these the wide experience of your architect and hardware man should be of value in calling to your attention their particular functions and the equipment which have been specifically designed to fill your individual needs.

Quality is another important item. The amount of money spent for hardware is not a very large percentage of the total cost of building, and good equipment will be a source of satisfaction long after the cost is forgotten. We do not advocate extravagance, especially where a limited budget must be adhered to, but we do suggest that the allotment for hardware be not below the sum which will provide attractive, durable equipment.

There is one more point about hardware which deserves attention. After you have carefully looked over your dealer's stock and have selected all the necessary locks and latches, hinges, etc.—cabinets, door-closers, etc.—be sure that they are properly installed. If you are building a new house your architect will, of course, give his personal supervision to the matter. But if you are remodeling, or bringing an old house up to date, ask your contractor to put his best carpenter on this job. The master carpenter is a true craftsman. His skill and experience will result in

A "LIFT" for the Older Folk!

WY put up with a Fatiguing stair-climbing problem? Why not use the Shepard HomeLift—the automatic home elevator? You just touch a button and you are up stairs or down as easily as when you were there. A boon to invalids and older folks who lack strength or health to climb stairs. Operates from lighting circuit—safe—dependable—modest price—easily installed in your old home or in a new one! Write for booklet and full details.

THE SHEPARD ELEVATOR COMPANY Builders of Forest Office and Hotel Elevators 2429 Calhoun Ave., Cincinnati, Ohio Representatives in Principal Cities
ANCHOR Fences
FOR COUNTRY ESTATES

ANCHOR CHAIN LINK FENCES along boundary lines afford much-needed protection against the constant intrusion of picnickers, tramps and others who would interfere with them and leave trouble behind.

ANCHOR SPECIAL ENCLOSURES for tennis courts, swimming pools, kennels, stables and poultry runs are neat in appearance and give years of service. Made of durable galvanized chain link fence fabric, and held solidly in the ground by Anchor’s exclusive process, they stubbornly withstand hard wear and knowls.

ARE you seeking greater privacy.....distinctive beauty.....and staunch, enduring protection? It is yours with an Anchor Fence, and Anchor’s Nationwide Erecting Service insures prompt, efficient installation anywhere in the United States. Be sure to investigate Anchor Fences before you buy. Mail the coupon today for a free, illustrated book about Anchor Fences for Country Estates.

ANCHOR Fences
FOR SUBURBAN HOMES

ANCHOR CHAIN LINK LAWN FENCES provide a safe place for children to play—and they end the damage done to lawns, shrubbery and flower beds by prowling dogs, heedless trespassers and tradesmen taking “short cuts” to homes nearby.

ANCHOR IRON PICKET FENCES AND GATES combine the classic charm of ornamental iron work with the strength of modern electric-weld construction. Unlike other fences of this type, the pickets and rails in Anchor Fences are invariably welded under tremendous pressure at 16 separate points to form a perfect union.

NO matter what landscaping or architectural motif is carried out in your house and gardening, there is an Anchor Fence to harmonize with it—actually augment its beauty. Fill out and mail the coupon today for a free illustrated book about Anchor Fences for Suburban Homes. It describes the many kinds now available, their various uses, and gives you the address of your local branch of Anchor’s Nationwide Erecting Service.

ANCHOR POST FENCE CO.
5015 Eastern Ave., Baltimore, Md.

Please send me free booklet about Anchor Fences and Gates for Suburban Homes. I am considering a fence of approximately ________ linear feet of ________ chain link, ________ iron picket, ________ rusted wood.

Name

Address

City State

HOUSE & GARDEN 71
The Kohler Wellworth is something new. It looks like one piece, but is really two. Way up in quality, way down in price.

"I thought only high-priced closets could be installed away from the wall."

"So did we. But the Wellworth is different. It's what our plumber calls 'free-standing.'"

Tank is mounted on the bowl. "Free-standing" means that the back of the tank is accessible for cleaning. No hard-to-clean ridges or grooves on bowl or foot.

"I like the look of the bowl. So simple and modern."

"Yes, and a quick rub on the smooth surface and it's clean as a whistle."

Consult your Master Plumber about Kohler's new Wellworth. He'll tell you all about it—about other Kohler fixtures and fittings too. Ask him about Kohler's Time Payment Plan—3 years to pay. Or write for free 4-color booklet, "Planned Plumbing and Heating." Kohler Co. Founded 1873. Kohler, Wisconsin.

Collectors' Investment

First to be printed in America, and the only collection of American-owned paintings . . . Vanity Fair's Portfolio of Modern French Art will increase in value and rarity every year.

39 famous paintings were photographed in full color especially for this Portfolio, and their values and colorings are faithfully maintained in these prints. Each picture is printed on heavy paper, 12" x 14 1/2", with a wide margin, suitable for framing. The artists: David, Ingres, Delacroix, Corot, Degas, Manet, Monet, Renoir, Toulouse-Lautrec, Forain, Cézanne, Seurat, Van Gogh, Gauguin, Rousseau, Botticelli, Redon, Picasso, Braque, Rouault, Derain, Modigliani, Chirico, Dufy, Segonzac, Pascin, Klawans, Laurencin.

The first edition of Vanity Fair's Portfolio, limited to 2500, is nearly gone. A word to the wise . . . mail the coupon now!

VANITY FAIR'S PORTFOLIO OF MODERN FRENCH ART

$12

THE CONDÉ NAST PUBLICATIONS, INC., Greenwich, Connecticut

I enclose $12 for which please send a copy of Vanity Fair's Portfolio of Modern French Art (postpaid) to:

Name
Street
City
State

Lincolnwood
LAMB'S WOOL
VENETIAN BLIND DUSTER

CLEANING BLINDS WITH LITTLE EFFORT

The first thrill of having Venetian Blinds is quickly renewed with this grand labor-saver that cleans and polishes both sides of several slats as it is drawn from one side to the other. LAMB'S WOOL fingers can be revolved— an exclusive feature that provides three times the cleaning surface of any other duster. Fingers can also be removed and washed in Ivory Flakes. If your dealer can't supply you, write us direct.

LINCOLNWOOD MFG. CO.
1744 W. 31ST ST., CHICAGO, ILL.

Wood In Cans
Makes 1001 Repairs

There's nothing like genuine Plastic Wood for making quick, yet permanent repairs—resetting loose drawer pulls, casters, bathroom fixtures, filling old screw holes, cracks in floors, baseboards, shelving, etc.

It handles easily as putty and quickly hardens into lasting wood that adheres to wood, metal, glass, plaster—wood that holds nails and screws and can be finished just like real wood. Sold at hardware, paint, and 10¢ stores—in cans and tubes.

LAMB'S WOOL
VENETIAN BLIND DUSTER

Fasten Drawer Pulls
FASTEN DRAWER PULLS
PLASTIC WOOD
As night air cools off the house, weird creaks and strange clumpings raise visions of "bogey men." But dead air is the real bogey, the unseen thief that steals health away... all day long.

Dry, stagnant, unevenly heated, laden with dust and germs... the dead air we live in from October to May irritates the throat and nasal passages, paves the way for colds and flu.

Bryant Gas Winter Air Conditioning changes all that, health-conditions the air in the house. It (1) heats the air uniformly, (2) humidifies it correctly, (3) circulates it gently to every room, (4) filters out dust and dirt.

Let the pup be your furnace... and weatherman, too.

GAS + BRYANT = Perfect Health and Comfort

Gas is cleaner. Gas is carefree. Gas is completely dependable. Therefore, the ideal modern fuel.

In Bryant heating equipment these and other advantages of gas reach their peak; not just in Winter Air Conditioners but also in Bryant Gas Boilers, in Bryant Forced-Air Heaters for small homes, and in Bryant Conversion Burners.

Get all the facts. Ask your gas company or heating contractor, or write to The Bryant Heater Company, 17875 St. Clair Avenue, Cleveland, Ohio.
Her Voice Makes 70,000 Feet of Film a Year

MADELEINE CARROLL tells how the throat-strain of all this acting led her to a light smoke-Luckies.

"In Hollywood, I found a much greater rush about things than in English studios. The harder work not only meant added strain on my throat, but also caused me to smoke more cigarettes. At this time, my throat learned what a difference there is in a light smoke. I've found that even though I smoke as many Luckies as I wish, my throat remains in top form." Madeleine Carroll

Walter Wanger star in David O. Selznick's new picture "THE PRISONER OF ZENDA"

Madeleine Carroll—for whom the sound cameras have spelled fame—should be an excellent judge of a cigarette's effect on the throat. Her choice of Luckies will bear even more weight if you consider this fact... the "Toasting" Process takes out certain throat irritants found in all tobacco. You, too, will enjoy the smoothness and the finer taste of Luckies.

Luckies—A Light Smoke

Easy on your throat—"It's Toasted"