

BEAUTIFUL BATHS • HISTORIC HOUSE PLANS • TOOL HANDLES

OLD-HOUSE JOURNAL

NOVEMBER/DECEMBER 1993

LIGHTS FOR A NEW CENTURY

LIGHTING FROM 1900-20:
CRAFTSMAN, PRAIRIE, BUNGALOW

ALSO

NEAT WAYS TO HEAT
INSULATION FOR A
DRY ATTIC
REWIRING OLD LAMPS



***** 5-DIGIT 94401 *****
***** 6#302612 *****
***** 014E096 *****
***** KEITH MERRADO ST. *****
***** KANSAS *****



\$4.00
\$5.00 CANADA

Welcome Back



In the ever changing world of fad and fashion it is comforting to find a cabinetmaker like Crown Point. You see, we know the difference between a true classic and just another kitchen. We understand that a truly beautiful kitchen is one you will love twenty years from now as much as you do today. This is why we offer you the Sturbridge Series.

Meticulous craftsmanship including flush inset doors and dovetail drawers. All-wood construction. Premium hardware to complement your taste. Built-in accessories like apothecary drawers, tilt-out dry goods bins and swing-out spice racks. Modern convenience features such as hidden recycling bins, drop-down bake centers and roll-out pantries.

The Sturbridge Series from Crown Point. The highest quality cabinetry with all the storage and convenience of the 1990s and the look that says "welcome back."

Our fine quality cabinetry is made available nationwide directly from Crown Point or at designer showrooms throughout New England. Call 800-999-4994 today for details and free color literature.

CROWNPOINT
CABINETS

PO Box 1560
Claremont, NH 03743





OLD-HOUSE JOURNAL

Volume XXI, Number 6



LIGHTS FOR A NEW CENTURY26

BY LYNN ELLIOTT AND GORDON BOCK

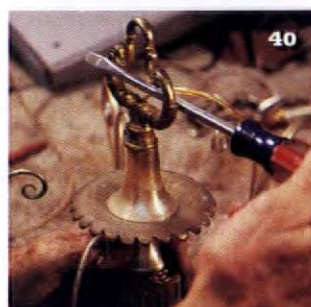
New ideas in all-electric lighting after 1900 opened up fresh possibilities for post-Victorian interiors. Here's a look at four important trends in fixtures, with a source list for buying reproductions today.



FROST IN THE RAFTERS, ICE ON THE EAVES32

BY GORDON BOCK

In cold weather, moisture and insulation problems show up dramatically at the top of an old house. Here's how to deal with them.



NEAT WAYS TO HEAT35

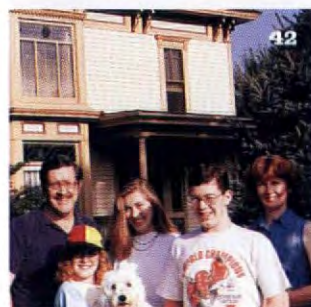
BY DAN HOLOHAN

Options and installation requirements for a variety of new heating systems and devices that can retrofit existing houses with minimal disruption.

RETIRING OLD WIRING40

BY MARYLEE MACDONALD

Professional advice on rewiring early light fixtures: how to take one apart, renew the wiring, and get it back together.



SURPRISES IN THE CELLAR42

BY CHAR TUOHY

Unforeseen building conditions are an expected part of old-house living, but these restorers found a pit of black goo entombed in their basement.

THE 1993 OHJ INDEX79

ON THE COVER: An Arts & Crafts corner in Little Compton, Rhode Island: G. Stickley table c.1910, Bradley & Hubbard lamp c.1918, Grueby pot c.1905. Produced by Karen Vaughan & Galen Snow.

PHOTOGRAPH BY STEVE MARSEL

Departments



EDITOR'S PAGE.....by Gordon Bock 6
A Tour of 'Ninety-four.

LETTERS.....8
A siding meltdown, new-old house responses, and odd lot origins.

RESTORER'S NOTEBOOK.....14
Making a mainline for debris, a poultice recipe, and the art of folding sandpaper.

READING THE OLD HOUSE.....by James C. Massey and Shirley Maxwell 18
The post-Victorian taste for French and other medieval revival styles.

ASK OHJ.....20
Information on painting cast iron, lamps for ceiling lights, and a fire-brick source.

GOOD BOOKS.....by Lynn Elliott 24
Two books for old-house kids on building body language and landmark tours.

RESTORATION PRODUCTS.....by Lynn Elliott 48
Pottery sinks, mildew-resistant paint, a patina kit, and more.

HISTORIC HOUSE PLANS.....52
An Ornamental Queen Anne, a Greek Revival garage, and a coach house.

REMUDDLING.....82
Stoned Again.

VERNACULAR HOUSES.....by Mary M. Culver 84
Michigan's Greek Revival Adobe Houses.

THE EMPORIUM

Catalogues, Products & Services, For Sale/Swap, Real Estate, Events

CLASSIFIEDS.....55
RESTORATION SERVICES.....62
PRODUCTS NETWORK.....66
ADVERTISERS' INDEX.....78

Subscription service (800) 234-3797; Back issues (\$4.95 /copy): (508) 281-8803; Advertising: (508) 283-4721. We are happy to accept editorial contributions to Old-House Journal. Query letters that include an outline of the proposed article are preferred. All manuscripts will be reviewed, and returned if unacceptable. However, we cannot be responsible for non-receipt or loss — please keep copies of all materials sent. ©Copyright 1993 by Dove-tale Publishers. All rights reserved.



OLD-HOUSE JOURNAL

EDITOR
Gordon H. Bock

ASSOCIATE EDITOR
Karen Fuhrman

ASSISTANT EDITOR
Lynn Elliott

CONTRIBUTING EDITORS
John Leeke

Sanford, Maine

James C. Massey and Shirley Maxwell
Strasburg, Virginia

J. Randall Cotton
Philadelphia

DESIGN DIRECTOR
Patrick Mitchell

DESIGN ASSOCIATE
Inga Soderberg

PRODUCTION MANAGER
Jim LaBelle

PRODUCTION ASSISTANT
Claire MacMaster

SPECIAL PROJECTS EDITOR
Laura Marshall

FULFILLMENT MANAGER
Ellen Higgins

CUSTOMER SERVICE
Pamela Martin
Cathie Hull

CIRCULATION DIRECTOR
Rosalie Bruno

NATIONAL SALES MANAGER
Becky Bernie

SALES ASSISTANT
Cassandra Smith

OFFICE MANAGER
Joanne Christopher

EXECUTIVE ASSISTANT
Nanci Virgilio

EDITOR-IN-CHIEF
Patricia Poore

PUBLISHER
William J. O'Donnell

Old-House Journal [ISSN 0094-0178] is published bimonthly for \$24 per year by Dove-tale Publishers, The Blackburn Tavern, 2 Main Street, Gloucester, MA 01930. Telephone (508) 283-3200. Subscriptions in Canada \$34 per year, payable in U.S. funds.

Second-class postage paid at Gloucester, MA and at additional entries. POSTMASTER: Send address changes to Old-House Journal, P.O. Box 58017, Boulder, CO 80322-8017.

Printed at the Lane Press, S. Burlington, Vermont

PRINTED IN U.S.A.

IF YOU PLAN TO CUT A HOLE IN YOUR ROOF, USE THIS AD TO FILL IT.

When it comes to bad weather, our windows are designed to take a beating: eight inches of rain per hour driven by 50 mph winds without leaking.

WHEN IT COMES TO BEAUTY THERE'S NO CONTEST.

First compare Andersen® roof windows and skylights to other brands side-by-side. Ours are made of beautiful, natural wood while others often have ugly knots. Ours are made with a minimal number of visible fasteners. And in the case of skylights, ours show none, while the other major skylight product may have up to 25 visible steel screw-heads.

Next, compare installed roof windows and skylights. Outside, other brands stick out noticeably from the roof. Ours have a unique low profile design for a smoother roof line.

IN CREATING OUR NEW WINDOWS WE WENT ABOVE AND BEYOND.

For example, our venting roof window's patented counter-balance operator requires only 14 turns to open the window. The other major competitor requires up to 28. Enough to make anyone a bit cranky.

All Andersen roof windows and skylights have solid wood frames for exceptional strength and durability. We treat the wood to resist insect damage and ward off bowing. And all windows have clad exteriors for lasting protection.

Low-E glass is standard in all our windows. Either tempered Andersen® High-Performance (H.P.) or H.P. Sun glass.

It's 26% more energy efficient than ordinary double-pane glass in winter, 47% better in summer. Our

H.P. Sun glass cuts the sun's heat over two times better than double-pane glass. Reduces ultraviolet light, too.

On a clear day you can see forever, unless there's condensation. So we've greatly reduced the chance for condensation by burying the glass edges of our



windows deep into the sash, then sealing them with construction-grade silicone.

For more information including options, see your Andersen window and patio door dealer listed in the Yellow Pages, send in the coupon, or call 1-800-426-4261.

We'll fill you in on anything else you'd like to know.

Come home to quality.

Come home to Andersen®



Andersen

Send me free literature. I plan to ☐ build in City _____ State _____ Zip _____

I plan to ☐ remodel. I plan to ☐ replace.

Name _____

Address _____

City _____

State _____

Zip _____

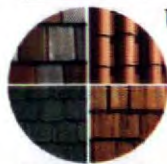
Phone () _____

Send to Andersen Windows, Inc.
P.O. Box 3900
Peoria, IL 61614

You've worked hard to put a roof over your head. So altering it is bound to make you a little uneasy.

That's why we created this ad to be used as a buying guide. Once you learn more about Andersen® Roof Windows and Skylights, you won't have a second thought about cutting a hole in your roof.

OUR ROOF WINDOWS AND SKYLIGHTS ARE EVEN MORE BEAUTIFUL WHEN THE WEATHER ISN'T.



Specially designed flashing systems fit a variety of roof types.

which matches various roofs for a better installation and also helps insure a tighter seal.

All of our windows keep out unwanted drafts and drips with full-perimeter weatherstripping and a one-piece frame gasket.

Ugly weather has been the downfall of many roof windows and skylights. Mostly due to poor installation and the construction of the window itself.

We designed our new line with a special flashing,

Editor's Page

A TOUR OF 'NINETY-FOUR



MY TRAVELS THIS SUMMER took me to a couple of cities where those big, silver sightseeing buses roam the streets, chock full of out-of-towners taking in everything, from national landmarks to Homes of the Stars, through tinted windows. A man or woman with a microphone always stands up front — the “guide” with eyes in the back of his or her head. Sometimes, as the bus swings by, you can hear them describing the trip over the loudspeaker, cooing over something-or-other on the right, alerting all to the highlight just passed on the left.

To tell the truth, I've always wanted that job, but right now I'm behind a keyboard instead of a dashboard so I'll do the next best thing. All aboard, Ladies and Gentlemen, for the OHJ Tour de Ninety-Four. Please find your seats quickly

The bus leaves from OHJ headquarters, a sweet spot on the tour.

and have your tickets ready so we can get started. Remember to check your tickets; this is the guided tour of sample features to come in *Old-House Journal* for 1994.

We begin our tour with a cruise through the January/February issue — an inside track, so to speak, on the start of a new year. Right in a row we have interiors-oriented articles on **Preserving Stained Glass**, expert advice on **Repairing Decorative Floors**, and the steps for **Canvassing Plaster Walls**. At the end of this block you won't want to miss the **Eastern Exotic Revival Houses** inspired by cultures halfway around the globe.

Next on our itinerary is March/April and a great opportunity to explore working with wood. If you look to our right there's an article on **Circular Carpentry** coming up, and on our left there's two more on **Wood Window Repairs** and **Making Tower Finials**. From here we can also see the **History of Octagons and Round Houses**, as well as some firsthand information on **Pruning Shrubs** outside the old house.

As we approach May/June, we're heading into a masonry issue. Be on the lookout for features on **Brickwork Repair**, solutions for **Rising Damp Problems**, background on **Tudor-Style Stucco**, and plenty of exam-

ples of **Early Concrete Houses**.

Just beyond this corner is July/August. We'll stop here to get out for a closer look at **Alterations and Additions** to historic houses, a topic many of you have wanted to see, but a tricky one for restorers. While we're stretching our legs and enjoying a light snack, we'll also make time to investigate articles on **Specialty Graining Techniques** and **Dating Old-House Changes**.

Moving right along again, we come upon September/October and a special Roofing and Siding issue. Here we'll see how to install **Standing-Seam Roofs**, and have a chance to learn more about **Wood Shingles and Low-Pitch Roofs**. If you look quickly off to the right, you'll notice there's an article on **Resilient Floors** as well.

In another minute we'll be passing through the November/December issue and the final leg of our tour. From here we can see a variety of articles on old-house systems, including **Period Showers** and **Pocket Doors**. Last, we have an overview of the **Architecture of Apartment Houses**, a fitting high point on which to end.

We thank you all for riding and hope you look forward to what's ahead. As they used to say in the old movie travelogues, Next Stop: Adventure!

Gordon V. Beal



Wood Restoration System



This rotted — and irreplaceable — woodwork...



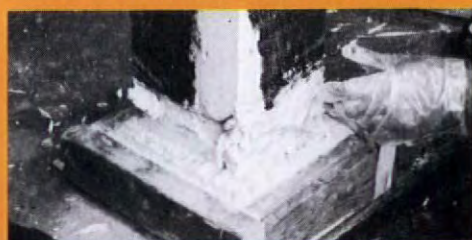
...can be easily and permanently restored...



...sanded, nailed, stained or painted.



10" rotted bottoms of these load-bearing columns...



...were completely sawed off and replaced with...



...WoodEpoxy, which outperforms and outlasts wood.

The New Standards To Restore & Replace Wood

Specified by the U.S. Government, national restoration centers, museums, architects, contractors and other professionals, Abatron's restoration materials handle virtually any wood repair problem. Results are guaranteed by years of incredible performance and our service.

LiquidWood®

Deep penetrating wood consolidant. High-strength and strong adhesion, clear, transparent, low viscosity. Regenerates and waterproofs wood by hardening after penetrating. Can be brushed or poured on. Ideal for rotted windowsills and frames, columns, doors, furniture, sculptures structural and decorative components of any size in/outdoors.



WoodEpoxy®

The most versatile, STRUCTURAL & decorative wood substitute & no-shrink adhesive putty used in any thickness to replace, repair, extend or fill wood and other materials in structures, frames, furniture, boats, components, sculptures, in/outdoors. Can be sawed, nailed, planed, stained, painted. Often stronger than the original, unaffected by water, weather and termites. A NEW STANDARD IN WOOD RESTORATION.



Abatron's 5-can Wood Restoration Kit contains LiquidWood A and B, WoodEpoxy A and B, and Abosolv solvent.

Available in pint, quart and gallon sizes.

VISA, MASTERCARD, & AMERICAN EXPRESS ACCEPTED



Call 1-800-445-1754
IN ILLINOIS 708-426-2200

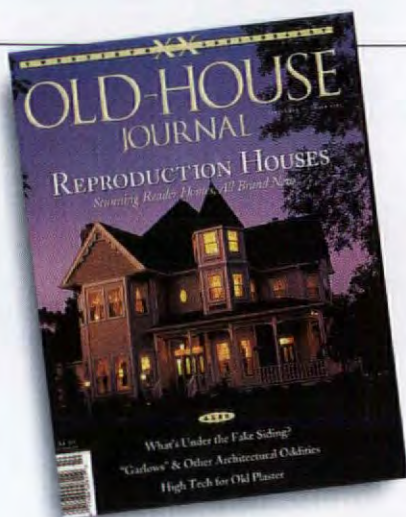


ABATRON, INC.

33 Center Drive, Dept. OHJ, Gilberts, Illinois 60136

Since 1959, manufacturers of: Structural adhesives and sealants
Protective and waterproof coatings — Seamless floors — Grouts for pitted and spalled surfaces
Terrazzo systems — Expansion joints — Anchoring grouts for posts, precasts and structures
Underwater patching compounds — Resins for fiberglass and composites
Caulks — Crack injection resins

Letters



Sizzled Siding

Dear OHJ,

I HAVE BEEN AN OHJ SUBSCRIBER FOR the past seven years and very much enjoy each new issue, especially the "Remuddling" page. For the past five years I have driven by this c. 1810 Federal house (*see below*) on my way to and from work, and have often wondered what was entombed beneath the white vinyl siding. The heat from a mill fire across the street answered my question. The clapboards still appear to be in good condition despite the heat! It is a vinyl-hater's fantasy come true!

— MICHAEL BELLOCCHIO
Taunton, Mass.

Updates on Odd Lots

AT THE END OF "AN ARCHITECTURAL Rummage Sale" [September/October 1993], James Massey and Shirley Maxwell ask about Chevy Houses. The Rosedale Gardens subdivision in Livonia, Michigan, a "second ring" suburb of Detroit, used the marketing technique they describe. Advertising material from the late '20s and early '30s offers a free car (probably a Ford, though) to anyone willing to buy a house way out in the country and commute to the city, either on poorly developed gravel roads or on the "milk run" train. This was a middle-class

development named after Rosedale Park, an upper-class subdivision being built in northwest Detroit at about the same time.

Today Rosedale Gardens is a half-mile square area of one-and-a-half- and two-storey brick houses with a variety of architectural detailing, ranging from Colonial to Tudor, with Arts & Crafts thrown in. Some have been remuddled, but most are intact with big trees and beautiful flowers. The subdivision stands in clear contrast to the rest of Livonia, which boomed from the '30s onward.

— PEG GAGE
Detroit, Michigan

I WAS INTRIGUED BY YOUR PIECE ON "Urban Tinys" ("An Architectural Rummage Sale") in your September/October edition. Several years ago I lived in Old Town Alexandria, Virginia, and was told by an older resident that the bandbox-like houses (most are 11' wide) are referred to as "spite houses."

Old Town is on the Potomac

River and was founded as a port village. As time went by, the more prosperous merchants and captains built quite expensive town homes. However, being a port, there were sailors. Where there are sailors, there are taverns. Where there are sailors and taverns, there are "ladies" of the evening. Evidently, these ladies used to entertain their customers utilizing the open spaces between the homes of the well-to-do. Horrified at the goings-on immediately beneath their windows, some residents built tiny "spite houses" in the alleyways to deny that space to those with other interests.

Hope this clears up some of the mystery as to what could have inspired the construction of such unusual houses. I enjoy the Journal — keep up the good work.

— JOSEPH W. KOLETAR
Glen Rock, New Jersey

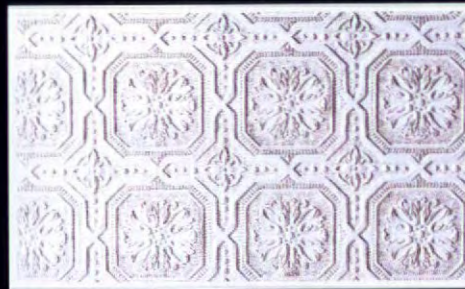
New Old-House Feedback

WHEN I SAW OHJ'S LATEST ISSUE [SEPTEMBER/October 1993], all I saw was "Reproduction Houses" and I could



One removal method not covered in last issue's substitute siding article: Heat from a nearby fire melted this vinyl siding (and the shutters).

OUR PRODUCTS CAN'T BE BEAT



... neither can our prices.

FREE CATALOG



RENOVATOR'S



Everything For Today's Homes For Less!

For our **FREE CATALOG** call or write
Renovator's Supply, Renovator's Old Mill, Dept. 9598
Millers Falls, MA 01349
Call us at: **1-800-659-2211**

Name _____

Address _____

City/State/Zip _____

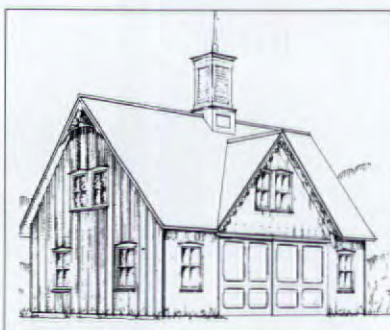
Telephone _____

Letters

hardly wait to get home to read. We are one-year-plus into planning our reproduction Victorian and are, as you so aptly stated, new-old house lovers. Thank you so much. It was such an encouragement to see how others have built their homes to have that old charm about them. Sometimes circumstances do not allow all of us to have one of the old beauties, but we can build and continue on their legacy. Can't wait till you do it again!

— BECKY LAROCHE
Manassas, Virginia

THE "REPRODUCTION HOUSES" ARTICLE [September/October 1993] is not interesting and would be more appropriate in one of the many "Victorian-Style" magazines. The carriage



One of OHJ's most popular designs, the Victorian Carriage Barn (plan CD-03-GA) serves old-house owners lacking an original outbuilding.

houses would have been acceptable if you had included the old houses that the owners were trying to match.

For years I have not understood why you feature "Historic House

Plans." OHJ runs the risk of becoming mainstream by pandering to the needs of those who, for many reasons, are unwilling to commit themselves to an old house or building.

I am an old-house fanatic and have enjoyed all the humorous and informative articles in the past. I have used the networking in "Emporium," and the products that are advertised. OHJ is more than just a technical journal. It's also a support group for all of us off-beat people who are perhaps driven by our hearts rather than our heads and have chosen to spend our time and resources in the endeavor of old-house living and preservation.

— MARY C. FRITZ
Mequon, Wisc.

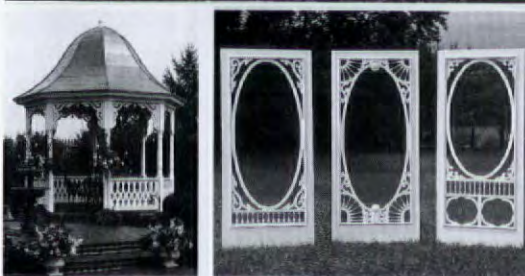
Your Award-Winning Source for Elegant Woodwork

- * Everything you need in Victorian gingerbread, turnings and carvings, only in premium grade solid hardwoods. Factory-direct savings.
- * Period Bars, Backbars, Servers, Ceilings, Seating, Gazebo Kits and accessories.
- * We'll build to your specifications or supply any or all component parts. Complete custom design services.
- * Interior/exterior restoration projects, Victorian to Ultra-Contemporary, our specialty.
- * Send for Catalog. Over 180 full color pictures of products and design ideas. \$5.00. Free if ordered on Company letterhead.

**Cumberland
& Woodcraft Co.
INC.**



Post Office Drawer 609
Carlisle, PA 17013 717/243-0063 Dept. 22
Toll free (outside PA) (800) 367-1884 FAX (717) 243-6502



Screen Doors

Authentically styled or custom designed with many trim selections.

Plus

screen and storm door combinations.

Office hrs. 8 AM to 4 PM Mon.-Fri. EST

the standard of quality since 1860

SCHWERD'S

wood columns



No. 140 Scamozzi



No. 141 Roman Ionic



No. 142 Greek Ionic

COLUMNS

—Schwerd columns are durable. Our 120+ years of experience in manufacturing wood columns has proven that the durability of a wood column depends upon the strength of the joint and the quality and thickness of the wood. Schwerd column construction was developed to meet each specific requirement. The wood is thoroughly seasoned Northern White Pine. The pride of craftsmanship and skilled techniques acquired by 120 years of specialized experience is applied. The resulting product is a "Schwerd Quality Column" specified by architects with complete confidence. Both standard and detail columns can be furnished from 4 in. to 50 in. in diameter and up to 35 ft. in length with matching pilasters.

If you are one of our old customers during the many



No. 150 Roman Corinthian



No. 152 Temple of Winds



No. 144 Modern Ionic

years since our beginning in 1860, you know our product; if not, send us your inquiries and orders and join our list of satisfied customers. ■ **SEND FOR OUR FREE CATALOG** ■ Schwerd's complete aluminum bases for

8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, and 30 in. dia. columns.

Schwerd's-Aluminum ventilated plinth and aluminum turned member base are manufactured of thick metal and are recommended for all exterior columns in the above diameters to provide a maintenance-free, seamless base which is guaranteed against deterioration for a lifetime.



A. F. SCHWERD MANUFACTURING COMPANY

telephone: 412-766-6322

3215 McClure Avenue

Pittsburgh, Pa. 15212

Letters

The Smiths have blended the present with the past by installing a c. 1900 mail-order mantel inside their new-old planbook house.



MY HUSBAND AND I were very excited to see your article, "Reproduction Houses," in the September/October issue of our OHJ. We also have built a new-old house on the six-plus acres we own just north of Louisville, Kentucky. Using OHJ, we ordered a plan book and chose a house. We modified it by adding a gazebo to the corner of

the porch. My husband is a building contractor, so we didn't run into some of the problems your other readers faced.

We had acquired an antique mantel from my father-in-law. Our refinisher dated it at around 1900 and

told us it was probably from a mail order catalog. The mantel looks right at home. We were very happy to read new-house people can also be old-house people.

—BARBARA SMITH
Sellersburg, Indiana

Correction: *The data about ABATRON INC. on page 112 in the book, Old-House Journal Guide to Restoration, published by Dutton, is an error that was published in the May/June, 1989 issue of Old-House Journal, then corrected in the September/October, 1989 issue. We regret that the book reproduced the error, not the correction.*

—THE EDITORS

NOBODY TAKES CARE OF YOUR OLD HOUSE LIKE WE DO!

*For Old House & Whole House Repair...INSIDE & OUT...Nothing Works & Lasts Like...
TUFF-KOTE'S QUALITY HOME & BUILDING REPAIR PRODUCTS!*

Tuff-kote - Permanent repair for all exterior surfaces

Krack-kote - Ends wall & ceiling cracks forever

Roof-kote - Seals & waterproofs your roof in just one coat

When it comes to repairing & restoring, patching & sealing, preserving & protecting, you can trust your home to Tuff-Kote. After all, we've been making the finest home repair products you can buy for almost 50 years.

For FREE literature, dealer location & ordering information call:

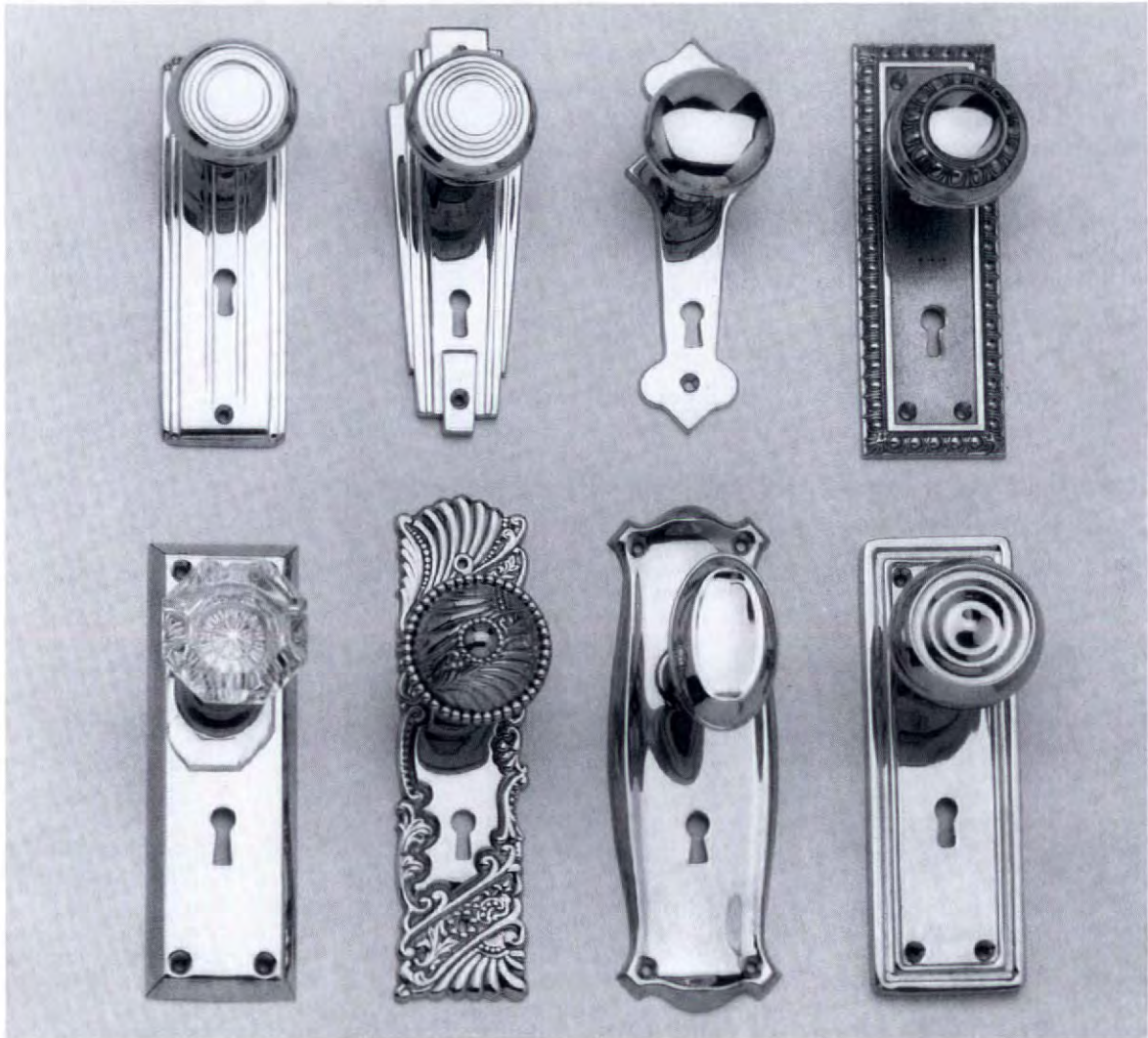


1-800/827-2056

Tuff-Kote Company

210 Seminary Avenue, Woodstock, IL 60098

Quality, Selection, Service



and a whole bunch of door knobs!

Since  1916

Crown City **HARDWARE CO.**

Introducing the new 1993 Crown City Collection Catalog. Expanded to over 370 pages, containing hundreds of new restoration and decorative hardware items, our newest catalog is the most complete hardware resource available today. It's filled with all periods and all types of hardware for doors, windows, cabinets, and furniture, as well as informative sections on product usage, installation, and style. Still only \$6.50. To obtain your copy of the catalog send check to:

Crown City Hardware Co., 1047 N. Allen Ave., Dept J94, Pasadena, CA 91104

Please allow 6-8 weeks for delivery.

Restorer's

N O T E B O O K

Debris Chute

ON OUR OLD-HOUSE PROJECT, WE needed to remove all the old plaster. After finding the cost of renting a debris chute would run \$80 per day, I decided to make my own using nesting garbage cans. It paid for itself in two days, at a cost of about \$100. You will need to tailor your debris chute to fit your job, and creatively secure it to your house, but a two-storey chute can be constructed and installed as follows:

- 1) Cut the bottoms off 10 rectangular plastic trashcans with handles.
- 2) Lay the cans on the ground, and insert each one 1' deep inside the next to create a tube.
- 3) Join the cans by threading rope through the handles and tying each one off.
- 4) Connect the cans tight enough

that they will not pull out of each other when suspended.

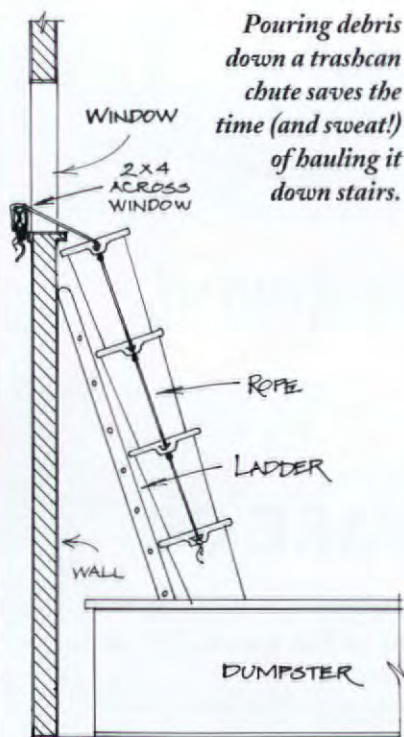
5) Leave 20' or so of rope on each end. You will need this for securing the chute.

6) Brace a ladder inside the dumpster and lean it up to the window to support the chute and keep it angled away from the house.

7) Attach the top of the chute to a window opening. (We anchored ours to 2x4s fastened across the inside of the jam). Extend the chute down the ladder and secure the bottom inside the dumpster.

You now have a telescopic debris chute to use whenever you need it.

— STANTON MCKIBBIN
Pittsburg, Penn.



Paint Cleaning Poultice

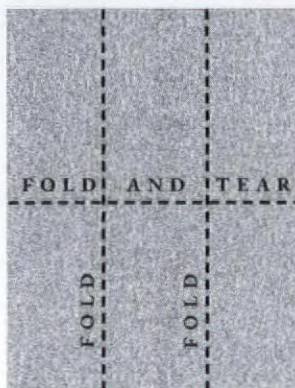
INSIDE OUR NEW OLD HOUSE, THE painted walls and woodwork were caked with dirt and grime. Some areas were stubborn and wouldn't respond to scrubbing, so I made a cleaning poultice: 2 to 3 tablespoons of Ivory liquid detergent, ½ cup of flour, and ½ cup of dry wallpaper paste whisked together in a bucket of warm water. I let the mixture set up for 20 minutes, then brushed it on. After 5 or 10 minutes, the poultice dissolved the dirt. It rinsed right off with a clean sponge and a bucket of clean warm water.

— AMY PASCH
Jacksonville, Florida

Sandpaper Origami

PROPER PAPER FOLDING MAKES sanding by hand much easier and ensures economical use of a 9" x 11" sheet.

Fold the sandpaper the short way and tear it in half. Fold one half-sheet in three equal sections, the same as you would fold a letter. This forms a handy-size packet of doubled-sided sandpaper, with a variety of edges for getting into corners. The extra section tucked inside will stay clean until needed. This method keeps the sandpaper from slipping on itself, or out of your hand.



This sandpaper folding method results in little waste and easier sanding.

— CLARENCE TUNKEY
Buffalo, New York

Loose Louver Tip

FOR INTERIOR WINDOW SHUTTERS with louvers that won't stay put: Just take a toothpick (square-cut ones work best), force it into any one of the sockets as tightly as possible, and break it off neatly. The entire set of louvers will work stiffly, and remain where you want them.

— THOMAS H. REED
Marengo, Illinois

SHARE YOUR SOLUTIONS!

We'll pay \$25 for any hints or shortcuts that might help other old-house owners.

Send them to Notebook Editor, The Old-House Journal, Two Main Street, Gloucester, MA 01930.



Incredible New Power Tool Eliminates Hand Sanding

With the Fein "Triangle" Sander, time consuming, sore finger, bloody knuckle sanding is a thing of the past.

Imagine using a power tool to sand all those areas where before, you had to fold up a piece of paper and "finger sand."

You know all those difficult to sand areas; inside & outside edges, closed corners, coves, spots, glue marks, seams, moldings, intricate profiles and so on. **With the Fein "Triangle" Sander you can sand right up to, into, and along edges & corners without dulling the edge or altering the profile.**

Unlike ordinary sanders, the FEIN "Triangle" Sander doesn't rotate, rather it "oscillates" (a side to side movement) at a blurring 20,000 times a minute. This unique action combined with the distinct triangular sanding pad, keeps the sander from running away from, or bouncing off of the edge line.

It's easy to get more information, simply call:

1-800-441-9878



**Fein Power Tools Inc.
Pittsburgh, PA
(412)331-2325
Fax (412)331-3599**

© Fein Power Tools, Inc. 1993

ANTIQUE WIDE PINE FLOORING



Largest inventory in the Northeast.
Antique Pine up to 27" wide • Antique Oak up to 20" wide
Antique Chestnut up to 20" wide
Heart Long Leaf Yellow Pine 14" wide

Panelling, doors, wainscoting, antique hand hewn beams, complete antique houses and barns available.

Antique Oak & Chestnut

**For price lists, call
North Fields Restorations, Rowley, Mass
(508) 948-2722**

Traditional Porcelain Basins

Recreating the classic styles produced from 1880 to the 1930s. Ovals and rounds. Send \$3.00 for catalog

Toll Free 1-800-653-4926



**ELEGANT
TIMELESS
CREATIONS**



The Sink Factory®

2140 SAN PABLO AVENUE • BERKELEY, CA 94702

EXCLUSIVE!

VICTORIAN COLORS



FROM

FULLER-O'BRIEN PAINTS

The essence of colors in their dramatic yet subtle tones have been captured in the exclusive palette of 70 distinctive hues representing the Cape May Victorian Color™ presentation.

Available now in both exterior and interior finishes from velvet flat to sparkling gloss.

Nostalgia is right for you... for restoration or proven color styles to highlight your contemporary home.

The *past* has never been so *modern* with Victorian colors from Fuller-O'Brien.



FULLER O'BRIEN PAINTS
South San Francisco, CA 94080
South Bend, IN 46628



Erie Landmark Company Plaques

- ❖ Custom lettered bronze markers ❖
- ❖ For indoor-outdoor use ❖
- ❖ National Register Plaques.....starting from \$35.00
- ❖ Custom wording.....starting from \$95.00
- ❖ All sizes, from Medallions to Roadside Markers ❖
- ❖ Graphics and Logos Reproduced ❖ Time Capsules ❖
- ❖ Discounts to Historical Societies ❖ Metal Photo Images ❖

Call or Send for **FREE** Brochure:

Toll Free: 1-800-874-7848 ❖ Fax: 703-818-2157

Erie Landmark Company
4449 Brookfield Corporate Dr.
Chantilly, Virginia 22021-1681



Satisfaction Guaranteed

Please allow 6-8 weeks for delivery

*Do you know what
Marvin said when I
told them I wanted a
bay window that
would keep my kitchen
cooler in the summer?*

NO SWEAT.



At Marvin, our recipe for making windows isn't like everyone else's. We make them one at a time. To your exact specifications for size, shape, style and features.

So don't think you have to settle for an off-the-shelf window for your one-of-a-kind needs. Just tell us what you want, and we'll cook something up for you.

For a **free** copy of our 96-page catalog featuring the entire line of made-to-order Marvin windows and doors, mail the coupon or call **1-800-346-5128**. In Canada, 1-800-263-6161.

Send to: Marvin Windows, Warroad, MN 56763.

Name _____

Address _____

City _____ State _____

Zip _____ Phone (____) _____

Everything you need for
your period design and
restoration projects.

HARDWARE+Plus, Inc.
"The Plus is Service"
701 E. Kingsley Road • Garland, TX 75041
1-800-522-7336 • FAX: (214) 271-9726

REF OHJ-11/93

**MARVIN WINDOWS
ARE MADE TO ORDER.**



6809311A

Reading the Old House

IT'S FRENCH, WITH A CALIFORNIA FLAIR

by James C. Massey and Shirley Maxwell

WITH THE ENCLOSED PHOTO, can you help me read my old house? The building permit was taken out in 1932. I've recently completed a major restoration and addition in the rear, in keeping with '30s specifications and the original design.

— WILLIAM FARRIS
Santa Ana, Calif.

IN THAT PERIOD BETWEEN WORLD wars, the taste for medieval architecture was almost unstoppable in the American suburbs. These houses were meant to evoke picturesque European cottages and castles. The most popular styles would seem unorthodox to a European, being hybrids that could only have come from the American imagination.

Your charming, mostly French-style house is an excellent example of the freewheeling approach to house design in the 1920s and '30s. Its stuccoed walls and wood-shingled roof are obviously intended to mimic the folksy materials, irregular rooflines, and unplanned accretions of an early farm-



On the Farris' home, the hipped roof and the distinctive, gently-cambered roofline over the picture window point to French Revival.

house. But where on earth would that fantasy farmhouse have been located?

The big, arched picture window, with its very modern (for 1932) steel sash, was a common feature of both French and Spanish Revival houses. The double gable over the front entrance — especially the precipitous cat-slide angle of the rear gable roofline — and the prominent, front-facing chimney are a bit more English than French (or Norman, as the builders' terminology ran). The round-arch doorway would work equally well on a French, Spanish, "Mediterranean," or English house. In fact, with only a few changes to the facade and rooflines, this house could

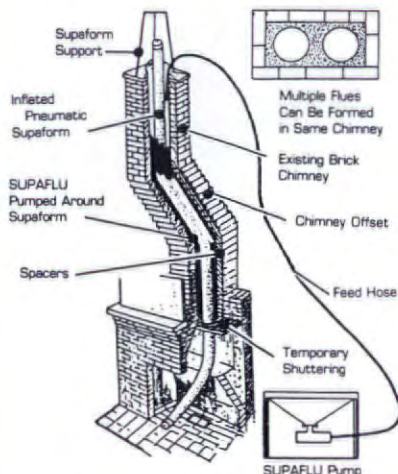
have belonged to any one of these popular styles in the picturesque mode. What tips us off that it belongs in the French camp? The steep, hipped or pyramidal roof, the deep eaves of the square section at the left of the entrance, and the gently arched, eyebrow-shaped roofline above the picture window.

So the answer is: It's French with a distinct California flair. It wouldn't be too hard to imagine this house with a red tile roof rather than the very appropriate wooden shingles. That would further confuse its stylistic context... but maybe that was the real point of the 1920s and '30s revival styles. In architecture as in the glorious movies of the era, there was little call for reality when mere suggestion was enough to set the beholder's heart reeling with the promise of other times and other places!



The steeply pitched double-gabled front and massive front-facing chimney appear again on a typical English Revival house in Kansas.

Supaflu Makes Old Chimneys Better Than New Chimneys.

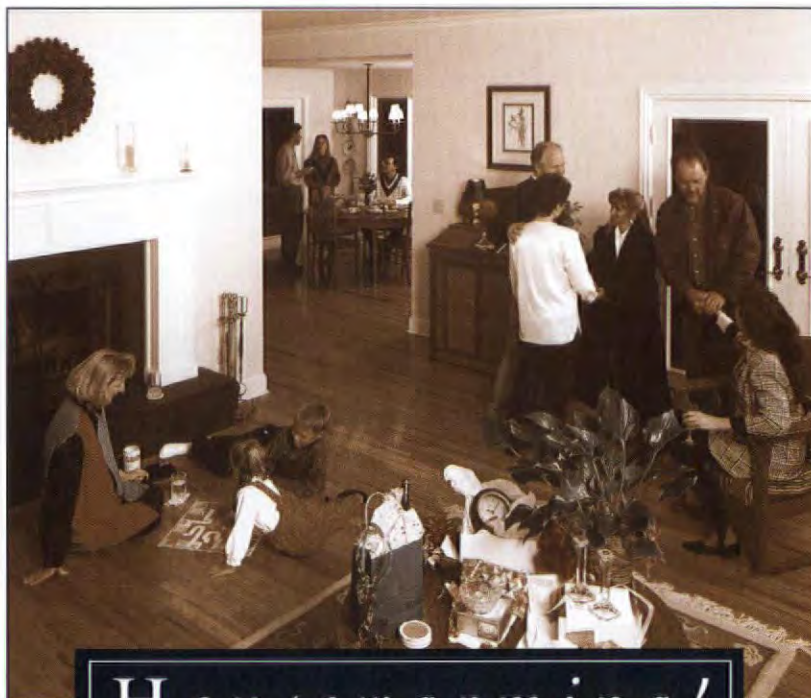


Because Supaflu retains the original charm and craftsmanship built into so many older chimneys while providing a new margin of safety, performance and durability older chimneys never knew, Supaflu gives new life to some of our most historic chimneys. That's why when home restoration experts run into chimney problems, their solution is Supaflu. Whether your chimney is historic, or just very, very used, Supaflu can make it like new. Your Supaflu dealer is in the Yellow pages.

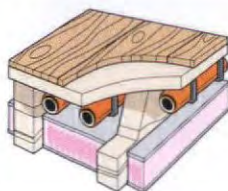
National Supaflu Systems, Inc.
P.O. Box 89, Walton Industrial Park
Walton, NY 13856
1-800-788-7636



supaflu



Housewarming!



Stapled Under Frame Floor

is a common application for installing radiant heat retrofit.

Entran's excellent flexibility makes it the easy choice for any radiant heat installation.



Underwriters
Laboratories Inc. •
LISTED

Enjoy your "housewarming" even after the guests have gone home. Comfortable, cost-efficient Heatway™ radiant floor heat warms like no other heating system can. Flexible, non-corrosive hoses are installed right in the floor, then hot water is circulated beneath the surface. The result is a clean, quiet, draft-free living environment with up to 40% savings on utility bills!

Heatway's™ patented Entran™ hose installs easily in new construction or retrofit. Applications for radiant floor heat are endless—from residential space heating to commercial snowmelting, and even animal containment.

More importantly, a Heatway™ system delivers peace of mind with a limited lifetime warranty on all residential installations. And our Entran 3™ energy transfer hose is the only UL® listed radiant piping on the market, making it the safe choice for virtually any floor heat application.



Call Toll Free in USA & Canada
800.255.1996

3151 W. Chestnut Expressway
Springfield, MO 65802

HEATWAY™

Radiant Floors & Snowmelting

OFFICE OF
OLD WORLD HARDWARE CO.
DEALERS IN
FINE
BUILDERS & HOUSE FURNISHING
HARDWARE

REMODELING?
The Best Quality Antique
Reproduction Victorian
Hardware
**Old World
Hardware Co.**
P.O. Box 3099 Dept. 400
Pagosa Springs, CO 81147
PH: 303-264-2264
FAX: 303-264-4724
Send \$2.00 for a catalog

ALUMINUM FREE BROCHURE

MAILBOXES
8'6" Tall
\$298 +S/H

PLANTERS
8'0" Tall
\$198 +S/H

WALL LAMPS
8'0" Tall
\$198 +S/H

**BRANDON INDUSTRIES
DEPT: OHJ
4419 WESTGROVE DR
DALLAS TX 75248**
CALL (214) 250-0456

Ask OHJ



Coating Cast Iron

■ *I would like to find the proper methods to prep, prime and paint the ironwork on my 140-year-old home. It has already been sandblasted and primed by a contractor. Some sections appear to be red oxide primer, and some have had latex paint. Now the ironwork looks like rust.*

— SHELLEY WAMMES
Bellefontaine, Ohio

YOUR ORNAMENTAL METALWORK appears to be cast iron, the mid-19th-century wonder material. Although more corrosion-resistant than low-carbon steel, cast iron will oxidize rapidly when exposed to moisture and air.

Careful surface preparation is critical for proper adhesion of new paint. All corrosion, flaking paint, dirt, salts, oil, and grease must be removed. Tightly adhered old paint can be left on as long as it's compatible with the subsequent coatings (check manufacturers' recommendations). In cases of severe deterioration, low-pressure grit blasting is often the most effective method.

Exterior cast iron balustrades on this 1853 house should be thoroughly protected with zinc- or iron-oxide primer and alkyd enamel paint applied by brush or spray-and-brush methods.

Also, blasting with a moderately sharp aggregate gives the metal tooth, for good paint adhesion. However, it's prohibited in some areas because of the airborne dust; wet sandblasting is not a good alternative because it causes surface rusting.

Immediately after cleaning, prime the entire surface to prevent any new rusting. Traditional anti-corrosion iron primers were made with red lead and linseed oil and are now mostly prohibited. The best current alternatives are alkyd metal primers rich in iron oxide, zinc oxide, or zinc phos-

phate pigments. Allow primer to cure, then apply a second prime coat tinted to match the finish color. Alkyd enamels work well as a top coat; high gloss offers best resistance to dirt and abrasion.

Water-based primers cause immediate oxidation on bare iron, and are not recommended. Vinyl or acrylic paints can be used as a finish coat, but if the alkyd primer coats are poorly applied or damaged, water-based paint will promote oxidation.

Bright Ideas

■ *In our 1922 bungalow, three rooms have plaster ceiling fixtures that each hold three light bulbs. We would like to shade or partially cover the bulbs to cut down on glare, but we're afraid of harming the plaster, and we can't seem to find shades that work in those positions. Any suggestions?*

— PETER & EILEEN CARLSON
Washington, D.C.



This c. 1922 pan light was designed without shades to maximize low-watt lamps and show off electric power.

YOUR CEILING FIXTURE is a pan light, an economical fixture very common in bedrooms and other informal areas from the 1910s to 1930s. Most were made of pressed or spun metal with sockets pointing straight down. However, various kinds of cast, reinforced composition material, such as the

Lightolier Company's "art fiber," were frequently used. Also called cluster lights, these fixtures often had an-

[Continued on page 22]

LIGHT FIXTURE FABRICATION



WE CUSTOM BUILD TO
ARCHITECTS & BUILDERS
SPECIFICATIONS.

CONANT CUSTOM BRASS
P.O. Box 1523OH
BURLINGTON, VT 05402
802-658-4482

VICTORIAN WALLPAPERS

- Handprinted Borders, Friezes, Ceiling Papers & Coordinated Wall Fills.
- Available Directly from our Studio by Mail Order.
- In-house Design Service.
- Color Catalog with Binder: \$10.00

BRADBURY & BRADBURY
ART WALLPAPERS
P.O. BOX 155-C • BENICIA, CA. 94510
(707) 746-1900

NOW AVAILABLE!
Edwardian / Arts & Crafts
Collection
Call for Details



CHADSWORTH™
The Column Source™

Introduces
**FIBERGLASS
COLUMNS**

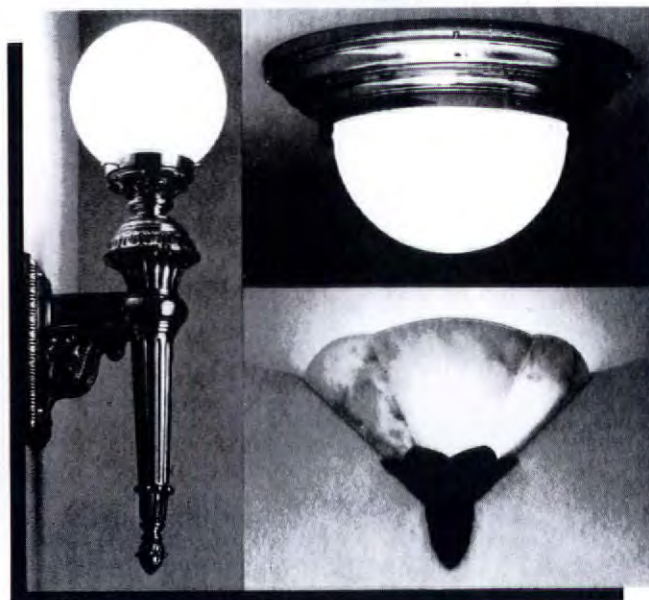
Load Bearing
Impervious to Insects
Fire & Impact Resistant
Ready to Prime & Paint
Will Not Deteriorate

Catalog \$3.00

Catalog: 800-394-5177
Inquiries: 404-876-5410

Chadsworth Incorporated
P.O. Box 53268, Dept. 3
Atlanta, Georgia 30355

New Lights



Urban Archaeology

285 Lafayette Street New York, NY 10012, (212) 431-6969
Montauk Highway & Halsey Lane Bridgehampton, NY 11932, (516) 537-0124

Ask OHJ

[Continued from page 20]

gled sockets and floridly decorated bases. By the mid-1920s, both types were intended for use with globe-shaped, frosted, 15- to 40-watt tungsten lamps (bulbs) — left bare on the manufacturers' assurance that they would cast more of a glow than a glare. Adding shades will hide the fixture's decorative design, so consider sticking with authentic exposed lamps. Today's refrigerator lamps are a near match for these globe lamps, or you can look for reproductions at lighting shops or specialty suppliers.



A globe lamp from 1922; tipless versions were also available by then.

Finding Firebrick

■ *I am interested in restoring the firebrick in a cast iron stove. It is a coal burning stove in very good condition. I would appreciate any information about where the lining might be acquired.*

— J. REIMANN
Bellows Falls, Vermont

STOVES ARE LINED WITH VARIOUS shapes and sizes of firebrick to retain heat, improve fuel economy, and protect the stove. Although refractory brick manufacturers may be able to supply standard sizes, many stove restorers opt to custom-mold their own using plastic refractory brick. This inexpensive material contains the same components as unfired firebrick and comes in moist, malleable blocks.

Soak a block in water to bring it to the consistency of modelling clay, then break it into smaller pieces and work it inside the stove. A wallpaper seam roller and a masonry trowel are handy tools for pressing and smoothing. Although it may shrink slightly after drying, it performs as well as original firebrick. One supplier is Eastern Refractories Co., Dept. OHJ, 20 Flanders Rd., Belmont, MA 02178; (617) 489-0700.

GENERAL-INTEREST QUESTIONS WILL BE answered in print. The Editors can't promise to respond to all questions personally, but we try. Send your questions to: Questions Editor, Old-House Journal, 2 Main Street, Gloucester, MA 01930.

Save Up To 50% On Home Heating Cost

And never have to buy fuel—wood, oil, gas, kerosene—ever again.

Hydro-Sil is a unique zone heating system that can **save you hundreds of dollars** in home heating costs.

It can replace your electric heat, oil or gas furnace. Your kerosene heaters and woodstoves.

Hydro-Sil heating works like this: inside the heater case is a sealed copper tube filled with a harmless silicone fluid that will never spill, leak, boil or freeze. **It's permanent. You'll never run out.** Running through the liquid is a hydroelectric element that, when the thermostat is turned on, quickly warms the liquid. The silicone liquid with its heat retention qualities continues to heat after the Hydro element shuts off, **saving you money.** The heat radiating from the tube is directed into a gentle convection flow that delivers warm, comfortable heat into the room. It's just that simple. The principle is the same as hot water heating and provides the same comfortable benefits.

Your benefits with Hydro-Sil

- Slash Heating Cost — Up to 50%
- Lifetime Warranty — no service calls
- Safe for children & furniture
- Clean — no fumes — no smoke
- U.L. Listed
- Preassembled — ready to use
- No furnaces — ducts — chimney
- Portable (110V) or permanent (220V)
- Whole House Heating or Single Room
- Room by Room Control

Please read what others are saying about Hydro-Sil and how it helps them

• **Bill M., Professional Engineer:** "I saved hundreds of dollars on the installation cost compared to heat pump prices, plus I cut my fuel costs by one-half."

• **Grant M., Accountant:** "We replaced our oil furnace in our office building, and in the first year we saved \$2,700 in oil and heating costs. This was a 51% saving, plus we have no maintenance costs."

• **Bob & Nancy B.:** "With the Hydro-Sil heaters, we saved \$1,119 in heating costs the first year. There is no maintenance to worry about and we can zone every room separately for our comfort and convenience."

SEASONAL DISCOUNT AVAILABLE NOW



LIFETIME WARRANTY

ORDER TODAY AND SAVE. TWO MODELS TO CHOOSE FROM
PORTABLE 110 VOLT—PERMANENT 220 VOLT

220 Volt Permanent	Approx. Area To Heat	Your Discount Price	Quantity
8' 2000 watts	300 sq. ft.	\$239	
6' 1500 watts	250 sq. ft.	\$219	
5' 1250 watts	200 sq. ft.	\$199	
4' 1000 watts	175 sq. ft.	\$179	
3' 750 watts	150 sq. ft.	\$169	
2' 500 watts	100 sq. ft.	\$149	

Hydro-Sil Portable Heaters (110 Volt)

5' Dual Watt 750-1500 W	\$199
4' 1000 watts	\$179
3' 750 watts	\$169
4' Dual Convector 750-1500 W	\$169
S.C. & N.C. add sales tax	\$
\$15.00 shipping per heater	\$
Total Amount	\$

You Can Do Something About the High Cost of Winter Heating

Order by Phone or Mail, Credit Card or Check • MasterCard-VISA

CREDIT ORDERS ACCT. #

1-800-627-9276

EXP. DATE

MAIL TO: HYDRO-SIL, PO BOX 662, FORT MILL, SC 29715

NAME

ADDRESS

PHONE

Ole Fashion Things

Plumbing Supply



Bath-Shower Enclosure
Clawfoot Bathtubs • Plumbing Hardware
The Unusual in Plumbing Fixtures

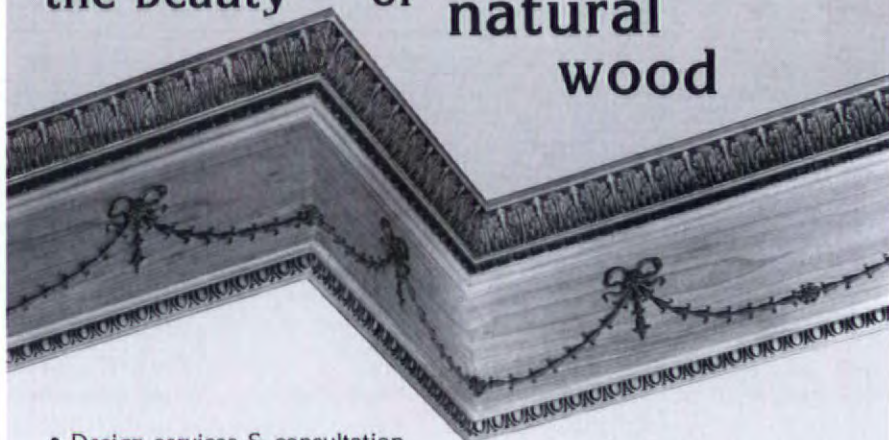
Showroom Hours: Tues.-Sat. 10 a.m.-6 p.m.
402 S.W. Evangeline Hwy. Lafayette, Louisiana 70501

Color Catalog: \$5.00

For Info: 1•318•234•4800

To Order: 1•800•BATH WORLD

Authenticity, Craftsmanship, and the beauty of natural wood



- Design services & consultation
- Embossed wood mouldings — straight or curved
- Available in all species of wood
- Custom designed & crafted interiors
- Doors • Mantels • Gun cases
- Raised paneling • Circular stairs
- Custom cabinetry • Entryways
- Supervision from design to installation

CATALOG AVAILABLE — \$5



AMERICAN CUSTOM MILLWORK, INC.

3904 NEWTON ROAD • P.O. Box 3608

ALBANY, GA 31706

(912) 888-3303 • (912) 888-6848 • FAX (912) 888-9245

U.S.A. — WORLDWIDE

Anytime Anywhere Anywood

CURVED or STRAIGHT MOLDINGS

Both are yours with a W&H
Molder/Planer

Thousands of professionals and serious woodworkers use our American-made cast iron molder/planers to produce smooth moldings, raised panels, crowns and curved molding.

In the shop or at the job site, W&H meets your needs every day with quick knife changeover and ultimate versatility with all kinds of wood.

Over 40 years of experience supports our products with a 5 year warranty! Call or write today for our FREE information kit!

800-258-1380 (USA) 603-654-6828
FAX 603-654-5446

Williams & Hussey
Machine Co., Inc.

Dept. 563KM

P.O. Box 1149 Wilton, NH 03086

W&H

*Cartouches
Friezes
Centerpieces
Brackets*

*Niches
Cornice
Grilles
Mouldings*



*We offer over 1500 handcrafted plaster
ornaments for the building industry.
Custom reproduction is also available.*

The Fischer & Jirouch Co.
4821 Superior Ave.
Cleveland, OH 44103



Bus. Tel. (216) 361-3840
FAX Tel. (216) 361-0650

Good Books

Here are a few titles to be tucked in your old-house kid's Christmas stocking.

The Great American Landmarks Adventure

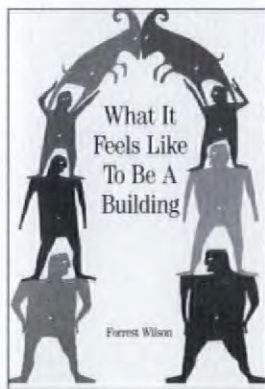
by Kay Weeks; Pub: U. S. Department of the Interior, Superintendent of Documents, Government Printing Office, Washington, D.C. 20402-9325; (202) 783-3238; 1992; 46 pages, b&w; \$3.25 ppd., softcover.

MOST KIDS WILL GROAN AT THE thought of visiting any place with the musty, museumlike title of "National Historic Landmark," until they find out the Playland Amusement Park in Rye, New York, is one — not to mention the Rose Bowl in Pasadena, California, and Independence Rock in Casper, Wyoming. Although it doesn't gloss over well-known historic buildings and sites, *The Great American Landmarks Adventure* by Kay Weeks lets kids know that there's more historic places than ex-presidents' homes.

The educational journey begins with the Pictograph Cave in Billings, Montana, and travels across the country to 42 other historic locations. Along the way, *Adventure* makes stops at the Old South Meeting House in Boston, Massachusetts, the U.S. Capitol in Washington, D.C., and the Gateway Arch, in St. Louis, Missouri. Aside from showing off these sites with rich illustrations, the book places them in context — how the past is linked to the present — and turns potentially

static monuments into places of activity where telephones were first made, the right to vote was fought for, the west was expanded, furs were traded, and a Constitution was signed.

As a footnote, the text, which is intended for students in the 4th to 8th grades, can be adapted to younger children. There is also a guide to *The Great American Landmarks Adventure* for teachers and parents that's full of ideas to stimulate student interest as well as a directory to additional resources.



What It Feels Like To Be A Building

by Forrest Wilson; Pub: The Preservation Press, National Trust for Historic Preservation, 1785 Massachusetts Ave., N.W., Washington, D.C. 20036; (800) 766-6847; 1988; 48 pages, b&w; \$14.95 ppd., softcover.

PUSH, PULL, SQUASH, Squeeze, Droop, Bend, and Brace — a new set of Disney dwarves? No, it's *What It Feels Like To Be A Building*. Using bold graphics of people, rams, and a few dogs, Forrest Wilson explains architecture through body

language — concepts kids can not only imagine, but imitate.

Like the steps in constructing a house, Wilson starts the narrative at the bottom with gravity and works up to domes. For example, an explanation of how buildings stand up straight leads to one about load-bearing components, such as columns (which, incidentally, feel like Squash) and walls (multiple Squash). Continuing

on, acrobatic people create arches, soaring rams teach about flying buttresses, and a pile of canines show how corbels are, well, dogged. Throughout, the lively, colorable illustrations are backed up by a simple text full of word pictures — that is, words that look like what they're describing.

Written for children seven or older, this book is an action-oriented guide through basic building principles that is never intimidating or boring. One thing's for sure, flying buttresses will never look the same.

— L.E.

Other Tomes for Tykes

CHECK OUT THESE THREE CHILDREN'S books from The Preservation Press (National Trust for Historic Preservation, 1785 Massachusetts Ave., N.W., Washington, D.C. 20036; (800) 766-6847):

Under Every Roof: A Kid's Style and Field Guide to the Architecture of American Houses

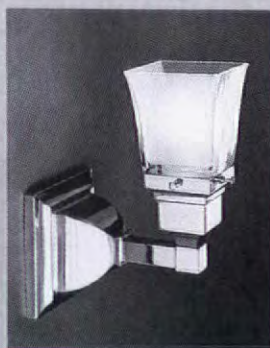
by Patricia Brown Glenn, 1993; \$20.95 ppd., hardcover. A pictorial field guide to house styles and the terms for architectural elements.

Daily Life in a Victorian House

by Laura Wilson, 1993; \$20.95 ppd., hardcover. A glimpse into the daily lives of residents in a Victorian house.

Old House, New House: A Child's Exploration of American Architectural Styles

by Michael Gaughenbaugh and Hebert Camburn, 1993; \$20.95 ppd., hardcover. David Scott learns about restoration and house styles in his family's newly bought Victorian home.



UNIQUELY DIFFERENT

- Classical Alabaster
- Craftsman/Prairie
- Original Antique Lighting
- Victorian
- English Revival
- Quality Restoration Work

Quality Historic Reproduction Lighting Fixtures at Milwaukee Manufacturer's Direct Mail Prices.

Preferred by architects, designers and homeowners who appreciate excellence in design and craftsmanship.

Send \$3 for our direct mail order literature or visit our Milwaukee factory/showroom.

BRASS LIGHT GALLERY, INC.

Factory and Showroom: M-F 10-5, Sat. 10-3
131 So. 1st St., Milwaukee, WI 53204 • 414-271-8300



If you're thinking about keeping warm, we'd like you to be a little open minded.

The heat of a wood stove or ambiance of a fireplace? Now get both in Vermont Castings woodstoves. As beautiful and clean burning as our wood stoves are, they're also easy to install and come in a wide array of porcelain enamel colors. Vermont Castings' easy operation and low maintenance makes an open and shut case for heating your home economically.

For more information call about our new video (\$9.95) or a copy of our FREE Fireside Advisor.

1-800-227-8683

Vermont Castings
More than Heat. Warmth.





LIGHTS FOR A NEW CENTURY

BY LYNN ELLIOTT
AND GORDON BOCK



EARLY ELECTRIC LIGHT REMAINED A PROMISING BUT peripheral illuminant for nearly two decades. It had been around since 1879, when Edison perfected the incandescent lamp, but service was

unreliable, and the light itself barely compared with improved gas burners. About 1900, however, the picture shifted. Better lamps and power made electric light a good buy and people in all types of houses wanted it. Manufacturers and designers soon heeded the call. Most hedged their bets by adding electricity to models made for gas or oil, but some seized the chance in all-electric electroliers to make new ideas in lighting and interior decoration a reality.

There was no mistaking these new breeds of fixture. You couldn't run them on anything but electricity, even if you had wanted. Electric lighting did not have to account for air flow, so necessary for oil and gas, or the byproducts of combustion: soot and heat. The new freedom meant new opportunities in placement — close to ceilings and walls, for instance. It also inspired new approaches in design. Four of these trends led the way in the years up to World War I. A variety of the fixtures that embody them are being produced again, just in time to light many post-Victorian houses for another century.

Opposite: An Arts & Crafts-style room filled with lighting options: A four-arm Craftsman chandelier is the luminous centerpiece, hanging lanterns highlight the beams and nooks, and a Mission dome lamp brightens the table.



Relief ornament on the bowl (left) helps this 1915 semi-indirect light fit an eclectic Colonial Revival living room. Neo-classical (above) and other styles can be had today.

INDIRECT AND SEMI-INDIRECT LIGHTING

Rerouting light leads to new looks in design

.....

LIKE ELECTRICITY ITSELF, INDIRECT LIGHTING WAS A NEW APPROACH to illumination. The concept was scientific but simple. Instead of casting light straight on the subject as in direct lighting, lamps and fixtures were focussed on ceilings (or in some cases walls) to reflect light back down into the room. Brighter tungsten-filament lamps, available by 1911, not only made this effect possible, but desirable. All the bouncing diffused the harsh, shadow-producing light of these unfrosted lamps so that it came out "attractive," and "very pleasant for the eyes," according to writers of the time.

The principal involved required fixtures made specifically for indirect lighting. In true indirect fixtures the shallow bowl or shade was opaque in order to shield the light source. Made of light metal, plaster, ceramics, or composition material finished in metallic tones, they were suspended from ceiling centers where they hung like lost planters waiting for a fern. Special reflectors of silvered glass were used inside the bowl to concentrate and aim the light produced by one large or several small lamps.



The freedom of chains — not the round and square pipes needed to hang gas lights — was made possible by electricity and turned to decorative use.

There was also semi-indirect lighting. By using a translucent bowl, these fixtures had it both ways, casting some light down directly and reflecting the rest off the ceiling. Typically made of white glass in alabaster or opal tones and decorated in a choice of motifs, these fixtures were noted for their artistic effect and became very popular in commercial and public spaces.

Use of indirect and semi-indirect lighting also had practical considerations to be reckoned with. Most important, it was recommended that ceilings be painted in very light tones to better reflect the light. Since the fixtures were suspended by sizable pendant chains, low ceilings were out, and it follows that these lights are seen more in the room heights of two-storey Foursquare and Colonial Revival houses than ground-hugging bungalows. In an age when homeowners still consumed electricity with habits learned from gas, indirect lights were regarded as more expensive to run than direct lights. Dust and dirt that accumulated visibly in the bowl was a constant concern with semi-indirect fixtures. However, after 1919 when Prohibition arrived, the generous size of these shades became a fa-

Mission bracket lanterns, like this reproduction, were for outdoor use, too. Entrances and porch posts were often illuminated by these dual-purpose fixtures.



*The unique design of Van Erp's table lamps, similar to this one (above), quickly influenced other copper-smiths. Note the Van Erp-like lamp in this illustration from *The Craftsman* (left).*

favorite hiding place for liquor and other contraband — at least in the minds of cartoonists and Hollywood actors.

INCIDENTAL LIGHTING

Wall and hanging fixtures shed a new light on interior features

.....

TO ENHANCE THE EFFECT OF INDIRECT LIGHTING FIXTURES, incidental or mood lighting began to appear as a decorative feature in house interiors. Wall fixtures were used to add a soft glow to rooms or highlight architectural features. In many places, sconces or bracket lanterns brightened hallways and fireplace surrounds. Occasionally, newel-post lamps illuminated staircases. These fixtures were also useful in rooms where indirect lighting wasn't possible, such as on the low ceilings of bungalow living rooms. When used as primary lighting, individual lanterns were hung in rows from chains that sometimes alternated in length.

Tastemakers suggested that artistic fixtures — particularly custom made ones — were the only appropriate choice for such installations since "ready-made designs, like ready-made clothing can, at best, only fit approximately." Be that as it may, the artistic pieces ran the stylistic gamut from the surprising "Bubble Blower," a bronze figure blowing an iridescent glass bubble, to the comparatively tame "Golden Pumpkin with Clinging Vines." Homeowners with less exotic tastes (and smaller budgets) found refuge in the vaguely medieval looking lanterns of the Arts & Crafts movement that suited another decorative ideal: "In a well-designed house no detail or fixture must be too prominent, too insistent."

Mission-style lanterns were made of wrought iron or hand-hammered copper or brass. These solid, geometric pieces

were softened by panels of opalescent, frosted, stained, and rippled art glass that matched the prevailing tones of most Arts & Crafts interiors. Stickley had these pieces finished in antique copper, a rich brown hue that gave the appearance of age, and natural copper, a finish created from speeding up the process of natural oxidation. On the West Coast, the Greene brothers were ordering patinated lanterns with a Japanese flair. They were crowned with exaggerated caps almost the shape of Oriental straw hats, and the art-glass panels were adorned with copper cut-out overlays, such as the simple "cloud lift" motif — a flourish far more ornamental than anything "wrought from the Craftsman."

VAN ERP TABLE LAMPS

A craftsman's honesty starts a modern style

.....

AS THE USE OF ELECTRICITY BECAME MORE WIDESPREAD, table lamps were also freed from the rigid design conformity of oil and kerosene lighting. The Victorian fixtures with up-turned shades and bulbous bases for holding fuel were no longer necessary. Lighting makers, such as Tiffany, began to design table lamps with downward-turned shades and slender bases.

Out of this new trend grew, if you'll excuse the pun, the mushroomlike table lamps of Dirk Van Erp. Van Erp was a West Coast coppersmith who moved to California from Holland in 1886. Adhering to the Craftsman tradition, all of his lighting fixtures were hand wrought, and structural elements, such as rivets, were the only ornaments. Van Erp was one of the first to create modern-looking lighting with flowing, clean lines influenced by Japanese designs. The



The hanging lights in Wright's Unity Temple use elements common to many Prairie fixtures: framed squares or rectangles, balls, and glass.

table lamps with conical-shaped mica shades and flared hand-hammered copper bases are a distinctive stylistic break from earlier lighting. Even Van Erp's pieces with spherical copper bases seem more akin to modern fixtures, such as the ubiquitous gingerbread lamps, rather than another incarnation of some historic lighting form.

Like other decorative shades of the period, the mica shades of the Van Erp table lamps served a dual purpose. They not only cast a warm glow that complemented the oak furniture and natural wood interiors of bungalows, but they also dulled the harsh glare of tungsten-filament bulbs, much to everyone's relief. These practical works of art were also as attractive by daylight as they were when illuminated at night. This was an important quality to homeowners who heeded the interior designers' dictum that lighting "must be considered apart from its chief charm of light itself" because "for the greater part of the time it is not in use."

PRAIRIE SCHOOL LIGHTS

Architects ahead of their time create original fixtures

.....

AT THE TURN OF THE CENTURY, A GROUP OF TALENTED young architects in the Chicago area set out to create an original, American architecture, one that was to have a revolutionary impact on houses to this day. Now known as the Prairie School, they rejected the historical eclecticism of the Victorian era and the European Beaux Arts, and instead set out to produce designs suited to wide and open spaces of the Midwest.

"Great individuality has

been developed in this section of the country," wrote house authority Charles E. White, Jr. in 1912, "with the result that many of the new ideas are delightfully fresh."

These architects were on the cutting edge of design and readily embraced the latest building technologies. Frank Lloyd Wright, Robert Spencer, Walter Burley Griffin, George Maher, George Elmslie, and William Purcell all had their hand in creating fixtures to go with their houses. Naturally, many of the design ideas that drive and distinguish Prairie School houses appear in this lighting: honesty of materials; unpretentiousness; geometric, planar forms that meet sharply and are crisply defined; rare use of more than two materials. Like the houses themselves, these fixtures were — quite deliberately — unlike anything seen before.

Glass played a starring role. Wright, in particular, was interested in manipulating light with glass early on, as shown by his many skylights and involvement with prismatic glass tiles for commercial buildings. Stained glass was as popular in Wrightian Prairie shades as it was in his windows. Opal glass, cathedral glass, and similar translucent art glass appears in fixtures by the other designers — still a filter for bright lamps, but also functioning as three-dimensional designs.

The forms used in Prairie lighting are as geometric and unconventional as the houses they complement. Boxes and rectilinear enclosures framed in brass or zinc came light up to become chandeliers or sconces. The shades of table lamps or hanging fixtures echo the triangles and low pitch of Prairie hipped roofs. Spared the chimneys and ports needed for burning oil or gas, these shades now become glowing solids. Perhaps most striking are the large and small milk-glass balls. These shapes work as architectural elements, illuminated or not.

The designers of Prairie houses put these electric lights to use in carefully planned ways, placing fixtures judiciously for specific tasks — over a reading or dining area, for instance — or for calculated architectural effect. The versatility of electricity was a good match for these fixtures, most so different at the time that they had to be custom made. Moreover, electricity was novel in its own right, the ideal light for a new type of house.



The Prairie School-style lantern (above) was a form also mounted on posts. The reproduction Wright table lamp (left) has the characteristic stained glass shade seen on hanging lights as well.

SUPPLIERS

COLONIAL REVIVAL LIGHTING

The Original Cast Lighting

6120 Delmar Blvd., Dept. OHJ

St. Louis, MO 63112-1204

(314) 863-1895

Semi-indirect Colonial Revival-style lighting in the Camelot and Broadway series.

Brass Reproductions

9711 Canoga Ave., Dept. OHJ

Chatsworth, CA 91311

(818) 709-7844

Semi-indirect Colonial Revival-style lighting.

Rejuvenation Lamp & Fixture Co.

901 N. Skidmore, Dept. OHJ

Portland, OR 97217

(503) 249-0774

Semi-indirect Colonial Revival-style lighting and a complete line of Arts & Crafts fixtures.

PRAIRIE SCHOOL LIGHTING

V. Michael Ashford (see Van Erp)

Brass Light Gallery

131 South 1st Street, Dept. OHJ

Milwaukee, WI 53204

(414) 271-8300

Prairie, Mission, and Arts & Crafts lighting in the Prairie School, Goldenrod, and Classic Exterior Collections.

Buffalo Studios (see Van Erp)

Heinz & Company

120 Callan Ave.,

Dept. OHJ

Evanston, IL 60202

(708) 328-6552

Reproductions of Frank Lloyd Wright lighting.

ARTS & CRAFTS LIGHTING

Arroyo Craftsman

4509 Little John St., Dept. OHJ

Baldwin Park, CA 91706

(818) 960-9411

Solid brass Craftsman-style lanterns with art glass for indoor or outdoor use.

Buffalo Studios (see Van Erp)

Craftsman Footstep Lighting

240 S.E. Second Ave.,

Dept. OHJ

Delray Beach, FL 33444

(800) 544-0880

Table and floor lamps, wall sconces, and chandeliers in white oak and cherry with shades of mica and hand-cast glass.

James Randell

768 North Fair Oaks Ave.,

Dept. OHJ

Pasadena, CA 91103

(818) 792-5025

Greene and Greene-style lighting.

Rejuvenation Lamp & Fixture Co.

(see Colonial Revival)

Roycroft Shops Inc.

31 South Grove St., Dept. OHJ

OHJ

East Aurora, NY 14052

(716) 652-3333

Hammered copper and mica



ceiling fixtures and oak and leaded glass table lamps.

DIRK VAN ERP LIGHTING

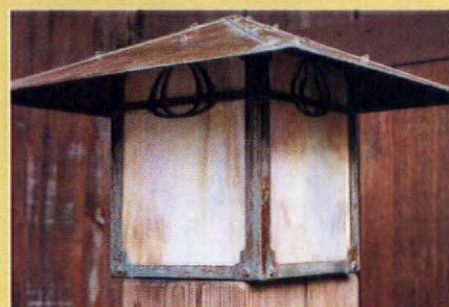
V. Michael Ashford

6543 Alpine Drive, SW, Dept. OHJ

Olympia, WA 98512

(206) 352-0694

Dirk Van Erp-style, Arts & Crafts, and Prairie School lighting.



Aurora Studios

123 Main St., Dept. OHJ

Putman, CT 06260

(203) 928-6662

Dirk Van Erp-style lamps.

Buffalo Studios

1925 E. Deere Ave., Dept. OHJ

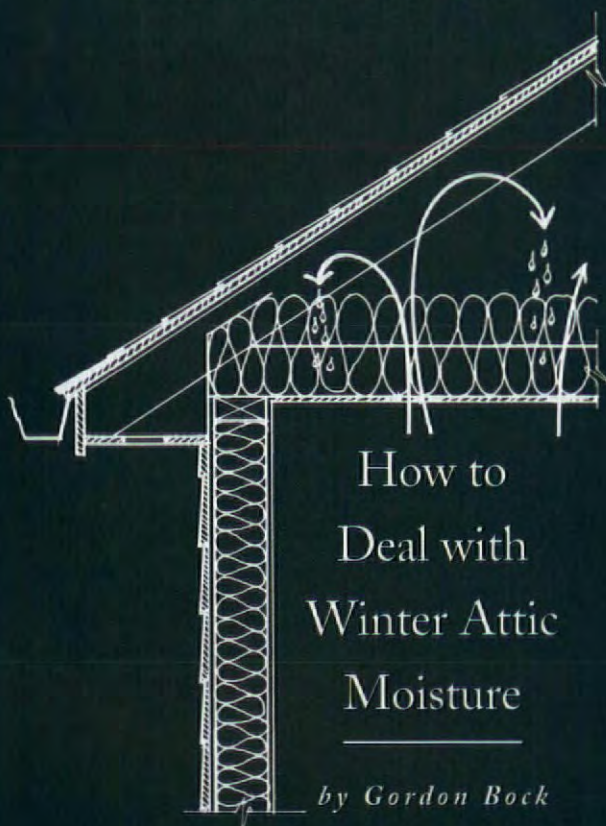
Santa Ana, CA 92705

(714) 250-7333

Dirk Van Erp-style table lamps, Limbert Prairie-style lamps, Arts & Crafts wall lanterns, and Greene and Greene copper lantern.



FROST IN THE RAFTERS, ICE ON THE EAVES



How to
Deal with
Winter Attic
Moisture

by Gordon Bock

WATER, IN ITS SUBTLE WAYS, IS THE SOURCE of many old-house maintenance problems, but at least it's a familiar one to handle. In wintertime, though, water often takes its solid or invisible forms, ice and water vapor, and this makes dealing with its dirtywork much trickier. Attics are where water causes some of the greatest headaches. Not only is this a triangular space where walls and roof meet, it's the site where heat, cold, air, and insulation all have to work together to sustain the comfort level in the house. Unfortunately, it's not easy to see the ill effects of moisture in an attic — that is, until it produces gross problems. Here we'll look at the two most common winter water attic ailments, what causes them, and what to try for cures.

A Memo on Moisture

THERE WOULDN'T BE AS MANY ATTIC PROBLEMS, OF course, if we didn't have to deal with moisture. Basements, crawlspaces, below-grade walls, houseplants, and environment control systems, such as humidifiers, all add moisture to the air inside a house. Modern families and their lifestyles are a big factor too. Cooking food, washing and drying clothes, bathing — especially showers — are all activities that generate moisture. So does human respiration, with a family of four evaporating 2 to 3 gallons of water a day. Not only are these generators often adding moisture at historically high levels, many of them are relatively new features in old houses.

Added to this is the energy-conscious building practices of the last two decades. We put a premium on reducing air infiltration in houses old and new, and intensive use of storm and thermal windows, sealants, and weatherstrips has created houses that are much tighter than in the past. While this means energy savings because heat leakage is reduced, it also means that moisture tends to build up in a house, especially in winter, because there are fewer ways for it to get out.

Frost in the Rafters

HIGH MOISTURE LEVELS MAY BE PRESENT IN A HOUSE ALL year round, but in winter they come home to roost most dramatically in the attic. In cold weather there is even less exchange of air in a tight house, and moist air tends to move towards the roof.

When air is at 100% relative humidity it is regarded as saturated with all the moisture it can hold. The temperature at which this occurs, and below which the moisture is likely to condense, is called the dewpoint. When

When air near its dewpoint climbs into the attic through holes in the ceiling, it can condense to form "leaks," frost, and other forms of moisture mayhem.

Right: Removing soggy insulation between rafters exposed the cause: melting frost under the roof deck. Below: Baffles maintain the air path to soffit vents and can be bought, as here, or homemade.

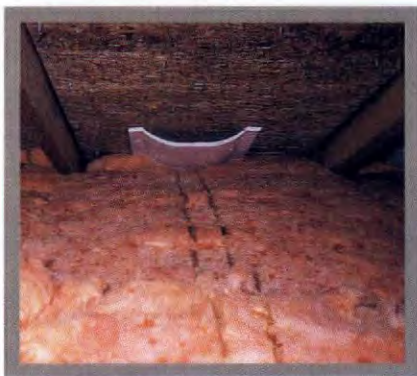
moist air near its dewpoint comes in contact with the cold parts of an uninsulated roof, the result is condensation on deck undersides and nails. Often this condensation freezes to frost or ice. The short-term effects are usually stains and mildew on attic surfaces, and saturation of insulation that reduces its performance. Repeated or prolonged frosty attics can lead to some severe problems, particularly delamination of plywood, fungal decay of wood building parts, rusting metal, and compacted insulation. To control frosty attics:

Reduce moisture levels within the house — Make sure bathrooms, clothes driers, and kitchens have exhaust systems that are ducted to the outside of the building. Cover exposed earth in crawlspaces with 6-mil polyethylene film (even thicker is more durable). Reduce humidifier use.

Seal leakage paths to the attic — Most are penetrations in the second-floor ceiling, and in an old house there can be many of these. Caulk or tighten up all joints at chimneys, plumbing vent stacks, and recessed lights. Use gunned sealants, caulks, spray foams, weatherstripping, and sheet materials as needed. Attic stairways and hatches are a particular hotspot and should be weatherstripped or covered to make an effective barrier.

Add a vapor retarder — Limiting moist air migration through building materials, such as plaster, is less of a priority than sealing penetrations, but will help. If possible, install a vapor retarder (polyethylene film or similar membrane) on the attic floor. If insulation is already present in the attic floor, apply two coats of vapor retarding paint to the second-floor ceiling (either a specifically made product, such as Glidden's Insul-Aid, or aluminum-based).

Ventilate the attic — Good attic ventilation can't be overstressed, or overdone. Current research indicates that if a vapor retarder is present, attic ventilation should equal at least one square foot of free vent area for every 300 square feet of attic area. If a vapor retarder is not used, the vent area should be doubled. (Ventilating products should be labeled with their net free area; adding insect screening cuts the free area by half, louvers and screen reduces the free area by two-thirds). Traditional gable vents alone are



often not sufficient. Adding spaced or continuous soffit vents will increase the vent area and improve air movement through the attic.

Ice on the Eaves

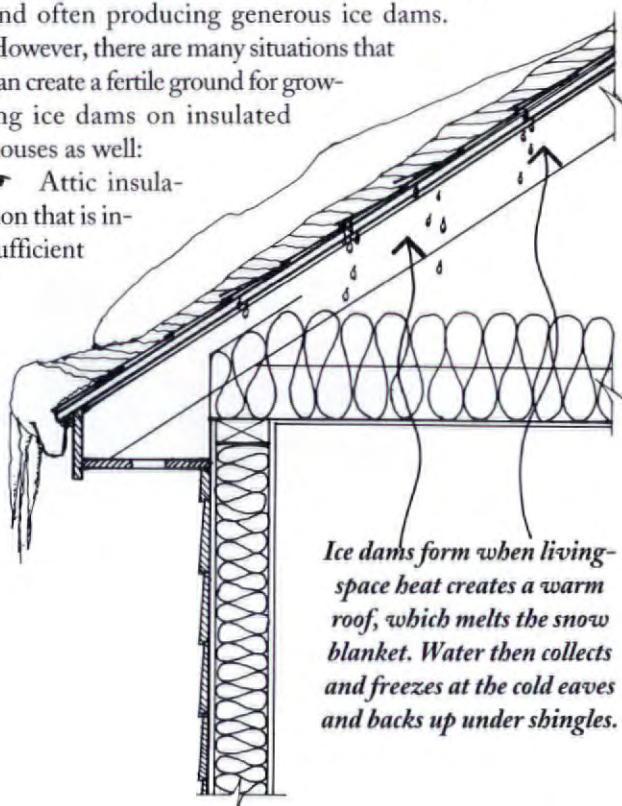
THE METHODS USED TO CONTROL indoor moisture and heat also play a big part in the control of outside moisture — the most notorious example being ice dams. Snow is a good insulator. When it collects on the roof of a warm attic, the trapped heat — not the sun — causes it to melt and run down the slope. As the melt hits a cold area, it freezes. Typically, this freezing takes place at the roof's edge and, as the melt accumulates, it backs up and builds into a mini-glacier known as an ice dam. The icicles produced outdoors at the eaves are a threat in their own right, pulling off gutters and cornices and falling on shrubs or building parts

below. The greatest damage, however, comes from ice that works its way up under shingles. Once under the roof, it melts causing active "leaks" that saturate sheathing, insulation, and attic interiors. It can even saturate the ceilings of the rooms and exterior walls below.

In old houses with next to no insulation, living-space heat goes right to the roof, melting it clean of snow and often producing generous ice dams.

However, there are many situations that can create a fertile ground for growing ice dams on insulated houses as well:

- Attic insulation that is insufficient



Ice dams form when living-space heat creates a warm roof, which melts the snow blanket. Water then collects and freezes at the cold eaves and backs up under shingles.

or sloppily installed. Ceiling or roof insulation that allows heat to build under large areas of the roof while letting eaves remain cold sets up the ideal conditions for ice dams.

☛ Heat that finds its way through leaks in the ceiling and service penetrations into the upper storey.



Top: Moisture condensation and ice dam leaks have blackened this attic with mildew and now feed fungal growths. Above: Heating cables — a popular but dubious ice dam cure.

☛ Low-pitch roofs. Gravity makes these more likely to collect dams and be penetrated by leaks than steep roofs.

☛ Poor cathedral ceiling-type insulation. Under roof insulation that is unvented or insufficient, or lacks a vapor retarder, contributes to a warm roof and ice dams. Skylights, a contemporary flourish sometimes visited on old houses, compound the problem by creating thermal holes in the insulation.

The solutions used to alleviate or prevent ice dams over the years are many. Like a lot of building problem cures, they either attack the symptoms or the problems. The classic symptom solution is electric heating cables laid along the roof perimeter to prevent ice dams or melt them away. These devices generally only do the job over a small area, and where they end a secondary ice dam usually develops. Furthermore, snow

movement can tear them off the roof. Insurance companies may prohibit them for fire safety reasons. Another is metal roofing or flashing installed 3' or so up the roof as a belt that sheds ice before it can build up. This method dates to at least the 19th century and is one commonly seen on old houses in heavy snowfall areas. Though undeniably slippery, in some houses ice dams merely form at the top of the belt instead of the roof edge.

Better responses use materials specifically designed for dealing with roof and attic problems and employ them with an understanding of the dynamics that create ice dams:

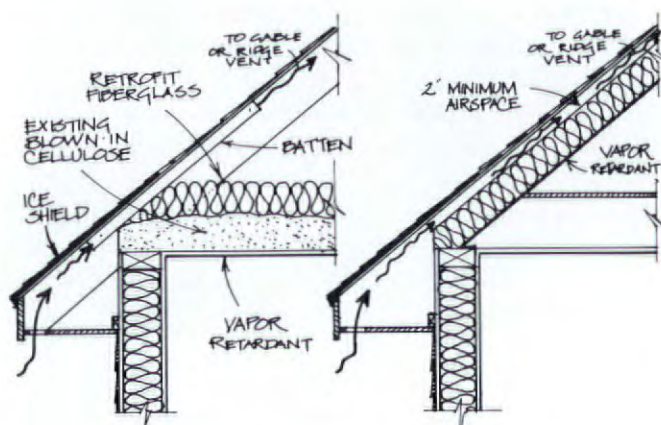
Minimize heat loss to the attic and roof — Insulate the attic floor or roof underside, taking care to cover potential thermal voids, such as around joist bridging and

the backs of hatch doors and accesses. If existing attic floor insulation is insufficient, upgrade by adding unfaced blankets (important to avoid introducing another vapor retarder) or loose fill.

Seal all air leaks — As with frosty attics, tighten up all penetrations and accesses through the second floor ceiling — tedious work, but effective.

Install a vapor retarder — Again, carefully adding an appropriate film or paint on the living space side of ceilings and walls limits moisture movement and maintains insulation effectiveness.

Ventilate for a cold roof — Every house has a different roof configuration and individual ventilation needs, but the object is to vent away any heat that does make its way to under the roof. In floor-insulated attics, pay particular attention to the area over the building plate or its equivalent. For soffit vents to work there has to be an air passage through this tight area — often blocked by retrofit insulation (see drawing below). Adding manufactured baffles or homemade versions will open this path. Under-roof insulation or cathedral ceilings pose much the same situation on a larger scale. Here a ventilated air space between insulation and roof deck (often terminating in a continuous ridge vent) keeps a flow of outdoor-temperature air under all the roof.



Avoiding ice dams: Baffles over the top plate (left) ensure air movement, especially where insulation has been added; an air space between cathedral ceiling insulation and deck (right) helps maintain a cold roof.

Install an ice shield — Even after putting controls on all the potential causes, ice dams can still be hard to beat. In these cases a good line of defense is an ice shield product, such as W.R. Grace's Ice & Water Shield (Grace Construction Products, 62 Whittemore Ave., Cambridge, MA 02140). This bitumen membrane is installed at the eaves under the roofing so as to form a continuous water barrier that seals around nails and blocks any of the water that can be released by ice dams.

Neat Ways to Heat

UPGRADING OLD-HOUSE HEATING SYSTEMS INVISIBLY

By Dan Holohan

FOR YEARS, FRUSTRATED OLD-HOUSE OWNERS HAVE SHRUGGED THEIR SHOULDERS when vintage radiators bang, rumble, and spit water on the curtains. Quiet and comfort seem out of the question in winter. When a room is too hot, you open a window. When it's too cold, you plug in a space heater. When the heating system bangs, you throw up your hands and sigh, "What can you do?" Nowadays the answer is: Plenty. Modern technology offers heating units that are either invisible or cleverly disguised. This means you can keep those wonderfully ornate cast-iron radiators in place — you just may not use them anymore. Today there is a world of comfort options, none of which need change the character of your home.

I. The Return of Under-Floor Radiant Heat

THERE'S NOTHING NICER THAN A WARM FLOOR. It invites you into a room and beckons you to kick off your shoes and relax. The idea of providing comfort by making the floor warm has been around since the days of Ancient Rome and is certainly the oldest method of central heating known.

Under-floor heating (commonly called "radiant heat") works on the principle that the human body is a "radiator" that will give up its heat to any nearby cold object such as a wall, a window, the floor, or even the furniture. An under-floor heating system strives to control the rate at which your body loses heat to its surroundings. When you and the surrounding surfaces are the same temperature, you feel comfortable, even though the air temperature may be five or more degrees cooler than to what you're accustomed!

You experience this type of radiant heat loss every

time you're in the supermarket. On your next trip, stop by the housewares aisle and pick up a room thermometer. Put it in your shopping cart and keep an eye

on it as you walk through the store. Notice how you feel comfortable in the grocery aisle, but chilly in the frozen food section? Now look at the thermometer. The air temperature in both aisles is the same!

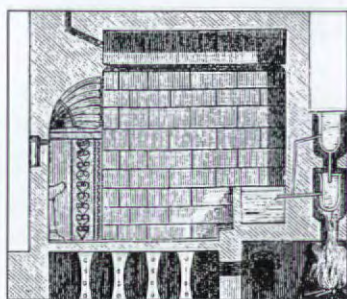
Heating engineers call this phenomenon "Cold 70." It's the feeling you get when there's a great difference between the temperature of the air and the temperature of the objects in the room. "Cold 70" gives you the sensation of being chilly, even though the thermostat registers 70°. You can

experience "Cold 70" by standing next to the single-pane glass window in your storm door on a cold day. The air in the room is warm, but you feel chilled because your body is a radiator that is throwing its heat toward the cold window.



Modern radiant heating, which first became popular for slab construction in the '30s, is back with improvements for old houses.

A radiant heating system is different from all other types of heating systems because it heats objects rather than air alone. It surrounds you with building surfaces and furniture



Roman hypocaust radiant heating warmed floors with hidden baffles.

that are 85-90°F — the temperature of your skin. When you're surrounded by warm objects, your body radiates less heat and you feel comfortable even though the air temperature in the room may be cooler than what's considered normal.

This is one reason why radiant heating systems operate at a lower

cost than other types of heating systems. Since the air in the room is cooler than usual, it feels fresher — a nice plus! Radiant heat also cuts down on drafts because the air doesn't rise and fall from floor to ceiling as it does when radiators or hot-air ducts heat the room. Those ferris wheel-like currents of air can streak your walls with dirt as they zip around the room. They also increase the heat loss of your home because they push a pillow of hot air toward the ceiling. Typically, a radiant heating system exhibits only about a one-degree difference in temperature from floor to ceiling.

You save fuel, too, because the air at the ceiling is cooler. The speed at which heat moves out of a house is largely determined by the difference in temperature between the indoors and the outdoors. In most homes, the air at the ceiling is a lot hotter than it is at the floor. This is why builders put more insulation in the ceiling than they do in the walls. Radiant heat turns the table around. The temperature difference from floor to ceiling is hardly noticeable.

Under-floor heating was widely used during the post-WW II building boom of the 1940s and 1950s. Unfortunately, it fell out of favor because the materials and work habits of the time led to failures on a large scale. However, over the past 20 years or so, advances in plastics and rubbers have breathed new life into this, the oldest method of central heating. Today's materials resist the wear which caused the earlier copper and steel pipe to fail.

In North America, contractors are installing much of the tubing in existing homes by stapling it to the underside of the floor between the joist bays. This allows them to modernize an old heating system without changing the character of the home. Radiant heat is totally invisible; only its comfort shows that it's on.

II. Planning for Radiant Heat

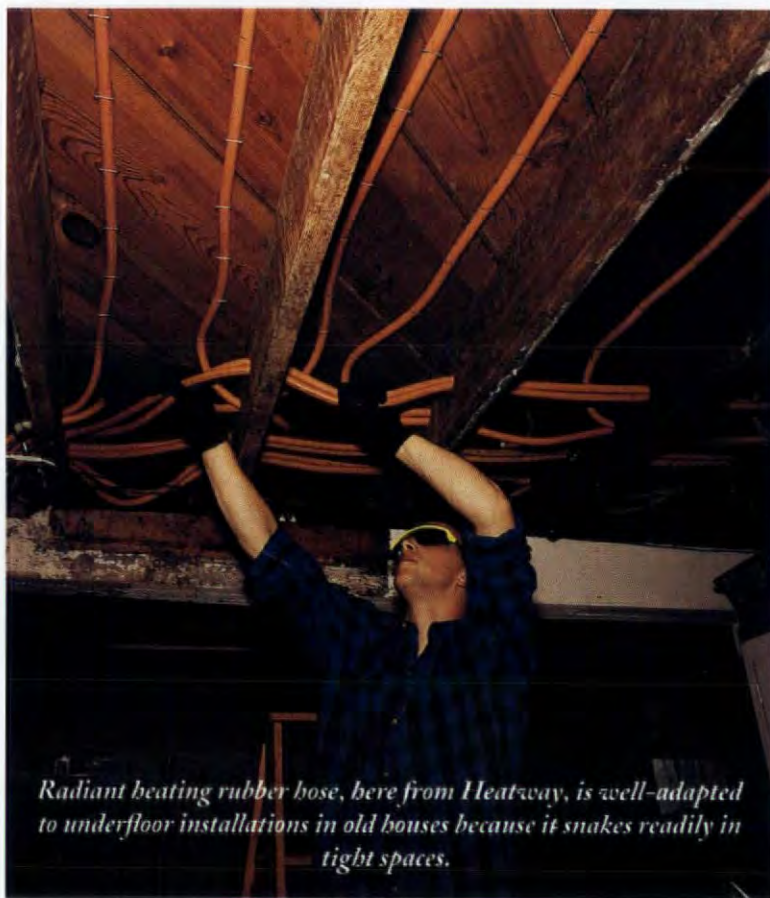
SINCE UNDER-FLOOR HEATING IS A RELATIVELY NEW FIELD, do your homework before deciding to go with this system:

✦ **Choose a competent heating contractor who has had experience with "staple-up," under-floor heating.** Make sure the contractor performs an accurate heat loss calculation for the room and then carefully considers the material that makes up the floor. The thicker the floor boards and the carpeting (if any), the more tubing will have to be used underneath. Staple-up floor heating will always require more tubing than in-slab floor heating.

On the first visit, the experienced contractor should be able to tell you whether or not the room can be heated solely with under-floor tubing. If tubing can't do the whole job, the contractor will probably suggest a supplemental heat source (a kick-space or panel-type heater, for example) that will back up the radiant system on very cold days.

The contractor will install the stapled-up tubing as a separate zone with its own thermostat. A three-way mixing valve will probably be used to blend the hot supply water (going to the zone) with the cooler return water (coming back from the zone). This will control the comfort level in the room and allow the under-floor zone to operate at a lower temperature than the other zones in the house.

After boring a series of 1/4" holes through the center of the ends of your joists, the contractor will loop the tubing



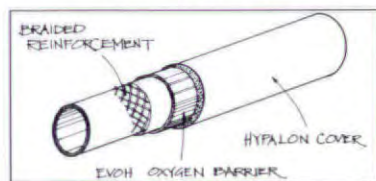
Radiant heating rubber hose, here from Heatway, is well-adapted to underfloor installations in old houses because it snakes readily in tight spaces.

back and forth through the joist bays, just like lacing up a sneaker, stapling the tubing up along the way. The ends of the tubing get connected to copper supply-and-return manifolds that are strategically placed in one or more joist bays. The contractor will then pipe from the manifolds to your boiler, using either metal pipe, or a larger size of the plastic or rubber tubing used between the joist bays.

☛ **Select the tubing material carefully.** The most-popular types of tubing are rubber hose and PEX (cross-linked polyethylene) plastic. Both materials can be made as "barrier pipe," which stands up very well to wear and resists the intrusion of oxygen (see supplier's list, page 39). This is an important consideration because oxygen can move by osmosis through any non-metal pipe into the system. The degree to which oxygen moves varies with the temperature of the water and



Rubber hose with an internal barrier (above) can be stapled up. Note the air space before insulation. The oxygen barrier is inside the wall (below).



becomes more of a problem as the water temperature exceeds 140°. Oxygen won't damage the tubing, but it can cause the metal parts of a heating system to corrode prematurely.

have to add a corrosion-inhibiting chemical to the system water if your system operates over 140°, and check it from time to time. A competent heating contractor will be well aware of this need and lay out your options on the first visit to your home.

While barrier pipe is more expensive than other non-metal pipes (such as polybutylene, polyethylene, and polypropylene) it is well worth considering for its oxygen resistance. With non-barrier pipe you'll probably save money on the installation, but you'll

The non-permeable "barrier" is a sheathing similar to the material in those silver-colored helium balloons. This type of barrier, called an EVOH, is regularly used in the food-processing industry to keep fresh air from coming in contact with food. Potato chips are frequently packed in shiny bags made of an EVOH. Most PEX pipe manufacturers place their EVOH barrier on the outside of the tubing. Your contractor should take care not to scratch the exterior barrier layer as the tubing is woven in and out of the joist bays.

He or she will also have to use special aluminum plates to hold the PEX tubing tight against the floor boards. PEX

tubing can't be stapled directly to the floor because the staples can tear the barrier as the pipe expands and contracts. If you choose rubber tubing, you might want to consider Heatway's Entran 3 because it has the EVOH barrier on the inside of the pipe. This means your contractor can staple this tubing directly to the underside of the floor without using the aluminum plates (usually at a lower job cost as well).

Many contractors prefer rubber tubing over PEX plastic for staple-up jobs because of the rubber's greater flexibility. They have to snake the tubing past the thickets of electrical wires and plumbing pipes already in most old-house joist bays. This is one area where rubber tubing shines. PEX, while an excellent material, is much more rigid than rubber and often difficult to work with on staple-up jobs.

Once the tubing is stapled up to the floor, your contractor will insulate the joist bays from below, making sure to leave an air gap of at least 2" between the tubing and the foil side of the insulation. That air gap is an important detail that should not be overlooked. Since only a small part of the tube is in contact with the floor, just this fraction heats through conduction. The rest heats through radiation as the insulation foils reflect the radiant waves of energy through the air gap and back up toward the floor. The insulation should never touch the tubing; if it does, the result may be uneven heating known as "striping."

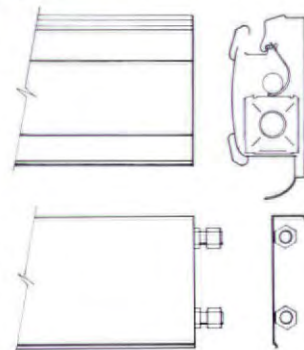
III. Beautiful New Baseboards

OLD-HOUSE OWNERS USUALLY DON'T CARE FOR THE contemporary look of baseboard radiation, but there are two new products designed to overcome some of the old objections. The first is a type of baseboard that sits nearly flat against the wall and practically disappears into the woodwork like base molding. The RADIANTPANEL (see suppliers list) is a radiator in the true sense. It sends radiant waves of energy across the room, heating the floor as it goes. The result is quiet comfort with no noticeable heating units.

The baseboard heaters common in newer homes are convective systems. They employ copper fin-tube radiation, which works by heating the air nearby. The warmed — and now lighter — air rises toward the ceiling and is replaced by cooler air which scoots across the floor and enters the baseboard from the bottom. These convective currents of air move around the room and warm the people. Convective systems differ from radiant systems because they don't immediately make the surfaces of a room warm.

RADIANTPANEL baseboard isn't a convective heater so it puts out only about one-

Convective baseboards (top) employ fin-tubes; radiant baseboards are fin-less.





RADIANTPANEL (right) is a true radiant baseboard heating system with a slim (about 1") profile that makes it nearly invisible. DesignLine (left) is a convective system that can be dressed with any choice of decorative panels.

IV. Regulating with Thermostatic Radiator Valves

IF YOU'RE IN LOVE WITH THAT OLD ONE-PIPE steam system, but you're not happy with the way some rooms constantly overheat, consider thermostatic radiator valves. These small, non-electric units fit between the radiator and the air vent and allow you to regain control of the comfort level in any room.

Thermostatic radiator valves (TRVs) are totally self-contained and need no wiring. You simply unscrew the air vent and replace it with the TRV. It's a simple job that can be done by any handy restorer. The thermostatic, room-air sensor is built into the valve body and typically mounts directly on the side of the radiator. If your radiators have covers, you'll use the remote-sensing model, which places the thermostat outside the radiator cover on the wall.

third of the heat (per linear foot) of convective fin-tube baseboard. That means you need more of it to do the same amount of heating. However, because there's very little movement of air in the room, the sensation of drafts is nearly eliminated. It takes the place of base molding and, ideally, should run from wall to wall. Your contractor will connect the sections of RADIANTPANEL with short pieces of PEX plastic tubing.

RADIANTPANEL costs more than copper fin-tube baseboard, but its architectural discreetness makes it well worth the price in a period home. You can paint this aluminum radiator any color you like. It can't rust, there are no fins to collect dust, no expansion noises (when properly installed), and you can put furniture anywhere in the room.

If you have a small wall to work with and you want to deliver more heat per foot of radiation, consider DesignLine, by Mestek. This is an extruded aluminum fin-tube radiator which comes in 19 standard colors. It differs in appearance from traditional types of baseboard radiation because you can slide an accent piece into the front panel to match, or compliment, your wall covering. The company has over 60 standard panels available in various colors and textures, or you can insert your own wall covering strips.

This type of radiator provides convective heat by moving the air from floor to ceiling, heating it on the way. The result is more heat per linear foot than a purely radiant baseboard such as RADIANTPANEL. You'll probably still run the radiator from wall to wall to keep the architectural lines flowing, but since its output is higher, foot for foot, than the output from radiant baseboard, your contractor may substitute some bare pipe for fin-tube inside a portion of the cover. Too much fin-tube can lead to over-heating.

When the air in the room reaches the desired pre-set temperature, the valve will close. If the air can't get out, the steam can't get in. The trick to using these valves is not to place one in the room where the electric thermostat is located. (The electric thermostat, ideally, should be in the coldest room in the house.) The nice part about thermostatic radiator valves is that you don't have to put them on every radiator — just the ones which over-heat. Try one or two this winter, and if you like the way they perform, add a few more next year.

When you're shopping for TRVs, look for those with a built-in vacuum breaker. Danfoss Automatic Controls offers an excellent choice with their RA-2000. The vacuum breaker's job is to open and allow air back into the radiator once the room air reaches the temperature you've selected. Without the vacuum breaker, the room can overheat because the vacuum (which is created as steam condenses inside the radiator) will draw more steam toward itself. Vacuum is not

The Danfoss thermostatic radiator valve prevents this 1920s slim-type radiator from overheating.



Photography (top) courtesy of Mestek, Inc., Radiant Technology, Inc.; (above) courtesy of Danfoss Automatic Controls

normally a problem in one-pipe steam radiators, but once the TRV closes, air can't reenter the system through the air vent, so this becomes an important feature.

V. Turning Steam into Hot Water

MANY HEATING CONTRACTORS ARE NOW CONVERTING OLD one-pipe steam systems to quieter — and more controllable — forced hot water systems by tapping the old steam radiator at the point where the air vent normally mounts. They use small-diameter PEX plastic tubing or rubber hose (the same materials we looked at earlier) and simply track back along the steam risers and mains to the boiler. The hose or the PEX tubing is attached to the old steam mains using electrical cable ties. The tubing allows them to snake through the walls, just as an electrician snakes a wire.

Back at the boiler room, your contractor will plug the tubing into a series of copper manifolds, which allow the house to be zoned in whatever way you choose. If you're keeping your old boiler, the contractor will remove the low-water cutoff, the pressure controller, and the gauge glass. The new equipment will be one or more hot water circulating pumps or zone valves, an expansion tank, and some valving.

Before making the conversion from steam to hot water, your contractor should first bring the steam pressure up to at least 10 psi to check for leaks in the system. If the piping is sound, it should be able to withstand the higher working pressures of a hot water system. If you find a lot of leaks, you'll probably be better off not making the conversion.

Most hot water systems operate at about 180°, while most steam systems run at 215°. Because of this difference, your contractor should perform an accurate heat-loss calculation on your home to determine if the steam radiators (which are usually smaller than hot water radiators) will be able to put out enough heat on the coldest day of the year.

If you decide to go ahead with the conversion, consider using an outdoor-air reset control to operate the system. These remarkable devices sense the outdoor temperature and constantly reset the water temperature to suit the needs of the day. As it gets colder outside, the temperature of the water goes up, and vice versa. The circulating pump runs continuously in this system and the indoor temperature stays at a perfect level. Tekmar Control Systems, Inc. makes an excellent reset controller for this purpose.

Converting two-pipe steam systems to hot water is generally a bit easier to do since that second pipe is already there. You'll usually find a steam trap on the outlet side of each of your radiators. Inside the steam trap is a thermostat, similar to the one in your car's radiator. Your contractor will remove those thermostats and replace the traps' covers.

Be aware, though, that a device other than a steam trap on the outlet side of the radiator may make conversion much trickier or impossible. During the "Vapor Era" (1900-1930) manufacturers used many strange devices to keep the steam from entering the return lines. Most of these are not

easily converted to hot water use. A competent contractor will be able to recognize these devices and advise you on the best course of action. Balancing any converted system can be challenging, too, because of the difference in size between the supply and return lines. This is another good reason to consider continuous circulation and a reset control.

So don't be frustrated by that old heating system. There's plenty you can do to bring it up to today's standards. The best part is no one will see the change!

DAN HOLOHAN *operates a consulting firm that specializes in older heating systems: Dan Holohan Associates, Inc., 63 North Oakdale Avenue, Bethpage, NY 11714; (516) 796-9276.*

S U P P L I E R S

Heatway

3131 W. Chestnut Expwy, Dept. OHJ
Springfield, MO 65802
(800) 255-1996

Entran-3 barrier-pipe rubber hose.

...

Wirsbo Company

5925 148 St. West, Dept. OHJ
Apple Valley, MN 55124
(800) 321-4739

PEX tubing.

...

Radiant Technology, Inc.

11A Farber Drive, Dept. OHJ
Bellport, NY 11713
(516) 286-0900

RADIANTPANEL baseboard heating systems.

...

Mestek, Inc.

260 North Elm St., Dept. OHJ
Westfield, MA 01085
(413) 568-9571

Designer baseboard for hot water heating systems.

...

Danfoss Automatic Controls

Building Controls Division
4971 Mercantile Road, Dept. OHJ
Baltimore, MD 21236
(410) 931-8250

RA-2000 thermostatic radiator valves.

...

Tekmar Control Systems, Inc.

4611 23rd St., Dept. OHJ
Vernon, B.C., Canada V1T 4K7
(604) 545-7749

Outdoor-air reset controllers.

RETIRING C

How To Rewire Early Electric Fixtures

BY MARYLEE MACDONALD

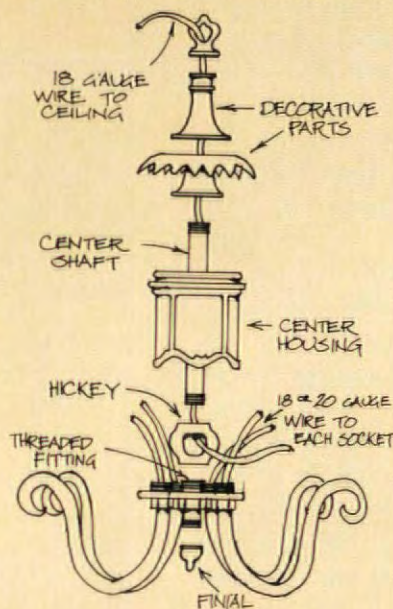
EARLY ELECTRIC LIGHTING fixtures should be rewired. Frayed fabric or brittle insulation on original wiring can create an electrical or fire hazard, but period fixtures can be used safely, if you replace all the old wire. For a step-by-step look at how a pro rewires old fixtures, we visited the lamp shop at Al Bar-Wilmette Platers, a lighting and replating company in Chicago.

Ease Out The Old

AL BAR RECOMMENDS THAT YOU DOCUMENT your work. Start by photographing the fixture; make sure you can see all the parts. As you begin to disassemble the fixture, sketch the individual parts and how they mate (drawing A).

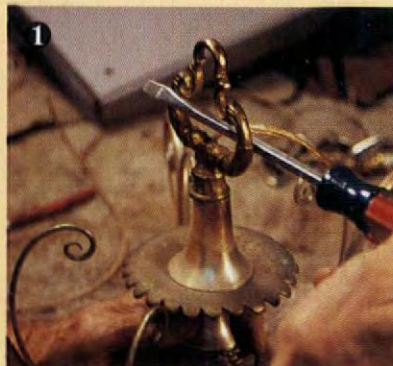
Unfasten the center shaft parts. Unscrew finials at the top and bottom. **1.** These parts may be threaded or pressed together. Try twisting gently, using a lever if necessary. Sometimes a shot of penetrating oil such as WD-40 will break loose a frozen thread. If the pieces still won't budge, grab a heat gun or hair dryer. Fixtures from the 1920s were often assembled with thick, red glue that looks like sealing wax. Place the fixture in a vise (cushioning the jaws), heat the joint and, while it is still warm, try again. With heat, however, you may have to sacrifice the finish.

Cut the cord that runs down the center shaft if you need to, but leave the old cord leading to the arms in



drawing A

place. To pull it out, you'll need several inches at both ends of the arms. Next, disassemble the sockets. Most old socket shells (the upper part) are stamped "Press Here." Slide a thin-bladed screwdriver between the shell and its cap (base) at this point to remove the shell (drawing B).



Beneath this you will find a cardboard insulator covering a porcelain socket. Be very careful not to damage the insulator. Not all shapes and sizes are still made. The old Bakelite switches can also be reused, as long as they're free from defects, such as scorched metal or chipped porcelain.

The base of the socket is threaded to the end of the arm. Glue may also have been used to hold it in place. Here, a specialty lamp tool called a "socket wrench" is essential. It fits right down inside the socket and has a long arm for leverage.

With the sockets removed, you should see 2" to 3" of cord sticking out the end of the fixture arms. Sometimes, the original wiring at the center of the fixture is crammed tight beneath the center housing. Do the best you can to take this rat's nest apart. Squirt a shot of silicone lubricant (CRC Extreme Duty Silicone is one brand) down each arm **2.** Then begin pulling slowly with a pair of square-nosed pliers. Don't force it. You don't want the

LD WIRING

wire to break off inside the arm. If you meet resistance, squirt silicone down the other end and try pulling from there. Push from the opposite end.

If the fixture has ever been wet, the fabric covering the wire could be swollen. Keep trying silicone and gentle pressure. Sometimes a single wire will be easier to pull than two at a time. In the worst case, bore a hole in the middle of the arm (on the ceiling side, where no one will see it) and use physician's forceps to grab the wire.

Wire In The New

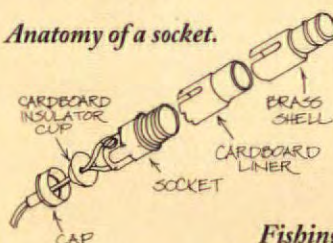
NEW CORD IS MUCH EASIER TO SNAKE than old cord. Use 18- or 20-gauge stranded lamp cord (sold at all hardware stores) for the fixture arms. Measure the length needed to go inside the arms plus about 16" extra. Cut a diagonal on both ends. Give the inside of the tubing another shot of silicone. Try sliding the wire in from one end.

If you have trouble, use piano wire or a chain to "fish" the new cord through. Double the piano wire to form a V-loop. Then strip 1-1/2" of insulation from one conductor of your new cord and attach it to the wire. Pull the piano guide-wire gently while pushing the new wire into the arm. Another way to fish new wire is to use a

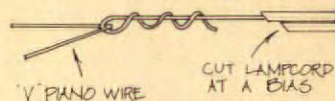
length of light chain. Use the handle of a screwdriver to tap the chain through the arm.

When you've pulled new cord through all the arms, screw the socket cap to the arm. Place an insulator cup ③ in the bottom of the socket. (This protects the base from shorts.)

Anatomy of a socket.



Fishing cord with piano wire.



drawing B

Split the cord and expose about 1" of bare wire on each conductor. Bring each up to a terminal on the socket and wrap the exposed wire around the screw in a clockwise direction, then tighten the screw. Snip off stray strands of wire to avoid shorts. Place the cardboard insulator sleeve over the socket ④. Remove any slack by pulling loose cord toward the center of the fixture.

Snap the metal socket shell in place.

In the final step, connect the branch wiring from each arm to a single, center cord. In some fixtures, the area where all the wiring meets is tiny. Still, leave as much cord as possible; connecting short, stubby wires is tough.

Use 18-gauge wire from the ceiling connection to the arms. Again, make sure you leave this wire plenty long. Thread the wire through the center post. At the base of the post is a special fitting with a hole in it, called a "hickey". Bring the wire out the hole.

Split back about 4" of the ceiling cord. Strip one end. Connect the stripped end to the stripped ends of half the arm wiring. Twist all the wires clockwise. Trim the end to leave 1/2" to 1" of bare wire. Twist a wire nut on clockwise until it grips the wire securely and completely covers all bare wire. Repeat for the other set of conductors.

Reassemble the fixture. Force the wire back where it is stored. Be careful not to pop the wire nuts or expose bare wire. Use your drawings and pictures to place all the pieces back together correctly. Now your fixture can safely light your old house for many decades to come.

Suppliers

AL BAR-WILMETTE PLATERS
127 Green Bay Road, Dept. OHJ
Wilmette, IL 60091
(708) 251-0187
Antique metal restoration shop.

AMERICAN-DE ROSA LAMPARTS
3674 Noakes St., Dept. OHJ
Los Angeles, CA 90023
(213) 269-6300
Wholesaler only, call for retail information.



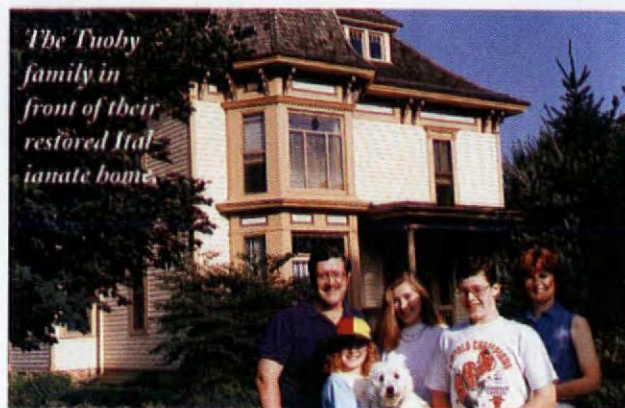
D

ismay, to say the least, was my first reaction when I saw the house. Overgrown, tangled shrubs and severely peeling paint greeted us at every corner. I turned to my husband, Bob, but said nothing. I could see the excitement in his eyes; he saw something that I didn't. I looked back at the house and thought, "Well, maybe."

We owned a seven-year-old, ranch-style home in a quiet Chicago suburb, but for years our fingers itched to peel off paint from a huge old house. Bob is a salesman and travels through many quaint towns on business. He began inquiring about vintage homes for sale, but the price was always out of our range. Then while passing through Peotone, Illinois, one hot July day, he found a majestic Italianate with a mansard roof that fit our pocketbook.

And so on Friday, September 13th, 1981, we signed the papers — a sort of marriage contract with a house that needed much love and attention after years of neglect. At the same time, we learned our third child was on the way, due in April. We thought it appropriate timing as we embarked on this new adventure.

The house was built by John Conrad in 1887 and stayed in his family for several generations. In the 1970s, though, it was rented out and became downright shabby. We set aside \$20,000 from the sale of our ranch house, figuring this would cover all of the repairs necessary to put this house back in shape. Looking back, little did we appreciate the truth behind the "mushroom factor," or how it was growing in the dark of our newly acquired basement.



The Tuohy family in front of their restored Italianate home.

OLD-HOUSE LIVING AND...

SURPRISES IN THE

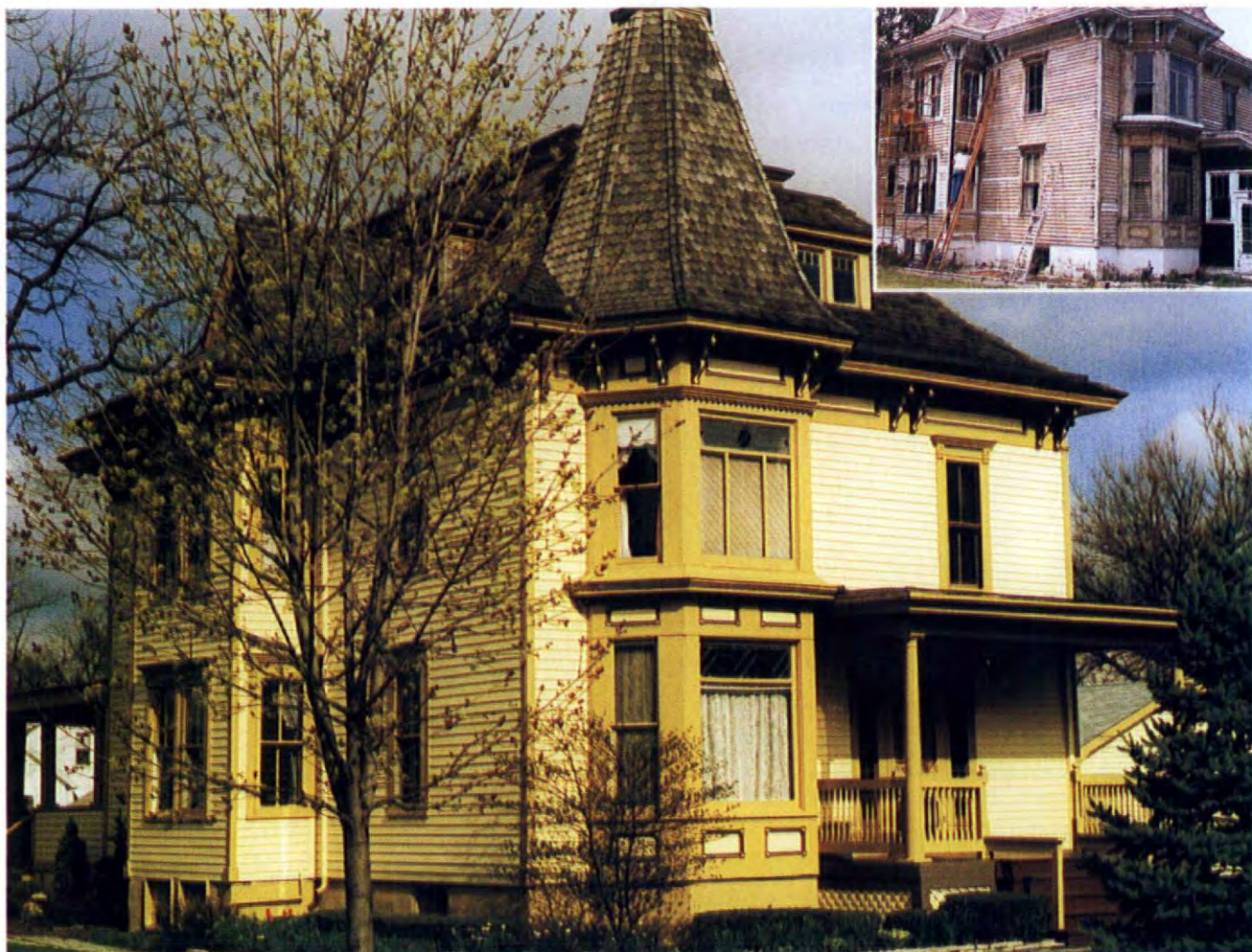
CELLAR

BY CHAR TUOHY

From Heating Headaches to Drafty Holidays

BOB SPENT THE FIRST DAY PRYING OPEN THE 33 windows on the two main floors while I scrubbed the kitchen and front hallways. During a search in the basement for screens, he decided to try out the furnace. It was an inefficient behemoth that had been a coal-burner until converted to gas about 50 years ago. I nearly fell off the ladder as a huge coughing shook the floor upstairs, followed by what sounded like squirrels running through the heating ducts. I ran downstairs with our two kids, Beth and Bobby, in tow to hear their father announce, "It's got to go," as he shook his head.

In short order we hired an independent contractor — with emphasis on the word independent — to install a new, fuel-efficient furnace. He began work smoothly enough while the weather was still warm, backing his truck up to the basement door, hooking a heavy cable up to the old gas-eater, and pulling it out of the basement. The old ducts were also hauled out, revealing insides half-filled with rust sediment.



The 1887 Conrad house (above), modernized ten years later with a mansard roof, tower, and two leaded-glass bay windows, as it looks with a 1992 paint job. Early outdoor work (inset): Removing a century of peeling paint.

At the same time, Bob began building a three-car garage to house our car, van, camper, various bikes, big wheels, and other things we brought from our first home. I knew the garage was a necessity, but in my condition I had hoped to start with a bathroom door. Ours fell off the hinges every few days. I could live temporarily with plaster chunks in the bathtub and a toilet whose pull-chain often failed to work, but I became obsessive about that door. "Patience," Bob muttered as he made more new holes in the rotting door frame, but my patience wore thin in the weeks ahead.

First, immense shrubs were removed from around the foundation, evicting little critters who subsequently sought refuge inside the house. We also learned to walk down the back stairs at an angle since the porch was sinking into the ground. Then, an electrician became a regular visitor after bare wires were discovered in a gaping hole behind the refrigerator.

As winter approached, our "independent" contractor slowly made progress on the furnace and ducts. Many days he never came to work. As the nights grew colder, we grew anxious. Finally, he completed the job, but not before we learned

a lesson: Recommendations are a top priority in hiring a contractor.

Our new, clean furnace was a big improvement in heating, but even with two pairs of socks my feet were like ice cubes. Beth and Bobby often wore coats because we just couldn't keep the house warm. The ceilings and walls were crumbling and they had dark, ominous holes in them. By pasting paper and stuffing rags, we covered holes in the children's bedroom walls and kept nightmares about monsters to a minimum.

Christmas was coming and dinner for 26 was at our house. Since we were living like gypsies amid the work, I had no idea where my china or linens were buried. Turkey dinner was served on paper plates. Even with our new heat turned up to 75 degrees, the house remained cold. We set up the Christmas tree in the living room bay window, then stepped back to enjoy the fresh balsam scent. To our chagrin, the tinsel floated at a 45 degree angle in the breeze coming from the windows and floor boards!

In the ranch house, we were accustomed to \$40 heating bills, but that December it came to over \$350.00! We discovered



The incredible pit we uncovered in the basement (right), and Bob hard at work mining the smelly, black goo that had to go (top).



our 15' high attic was warmer than the first floor. Double socks were not needed up there, so Bob added another project to his growing list. On New Year's Day, he pulled up attic floorboards and laid insulation between the rafters. This was our most energy-conserving project, and the gas budget is \$60 per month now.

False Beams and a Project That's the Pits

WITH TODDLERS AROUND, PARENTS OFTEN FIND THEMSELVES a private place to discuss daily happenings. Ours was the basement. Since we were far from finishing the upper floors, this "getaway" helped us focus on upcoming projects.

As we talked on a memorable frosty day, Bob leaned against one of the wood support posts in the basement. With barely a nudge it fell over, crashing to the floor. We both looked at it, then each other; our kingsize waterbed lay directly overhead! Cautiously, I followed Bob around to inspect the other posts. He had plenty of room to insert his hand between the timbers' top and the ceiling. They were all loose. The ceiling was suspended only by interlocking beams hanging on the foundation perimeter. Nothing else supported it.

Our basement is unusual because the dirt floor had been cemented over many times — whenever a previous generation had the whim to pour concrete, it seems. This produced a variety of levels, and oddities such as doors left ajar that were mortared in place. So, it was no surprise to find that although the posts had rotted away at the top, the concrete floor held

marriage was getting a real work out!

Bob rented a jackhammer and set to work digging the 13 holes recommended by the engineer. The plan called for new metal posts to support metal beams placed under the original oak ones. Bob successfully dug seven holes at an amazing speed. When he began the eighth, however, the jackhammer went through an inch of brittle, old concrete and then sank about two feet into something soft.

I had just come down to see how things were going. (Since I was getting pretty big, I wasn't much help with the heavy work.) Perplexed, Bob pulled out the jackhammer. Immediately, I held my nose. The jackhammer was coated with a thick,

"Power-thinning" overgrown foundation plantings with an earthmover.



them upright. Here I had been worried about falling plaster when I should have been concerned about the waterbed crashing into the basement. Bob emptied it to be safe.

A structural engineer worked out a plan to support our sagging house. We had known the floors weren't perfect. Marbles rolling to the middle of the room, or eggs waddling off the kitchen counter were commonplace. Within a week, the engineer mapped out precisely what was needed to level the floors and, more importantly, keep the house from caving in. All other projects — from insulating to electrical work — ceased. The door on the bathroom was finally pitched into one of the dumpsters and replaced with a sheet. This

black goo. The stench was indescribable. My eyes watered, and my nose stung. Chopping away at the thin crust of mortar with a pickax, Bob revealed a circular area in the floor. The black goo in the pit was surrounded by bricks.

Later, we found out that it was a 95-year-old grease pit. Grease and other cooking liquids were poured down a pipe from the second-floor kitchen, and this emptied into the pit. The pipe was later rerouted to the sump pump for water drainage. (Because the drain wasn't plumbed straight down it hadn't made sense to us before, but now we realized this was why the soil lines often backed up.) By 1925, the grease pit had reached its capacity. One of the Conrads then concreted it over. Now, it reappeared, smack dab in the way of one of the supports.

The odor permeated the house. Beth came down to the basement, crying hysterically, so I packed up the kids and took them away from the stench. Luckily, it was mid-March and, though cold, we could open the windows. Still, the smell even fouled the yard.

Bob had just sent off one of our many dumpsters, so he

Here, a shot of the front foyer and newly uncovered stairway (below) taken from our bedroom. Decorative woodwork and oak panelling adds character to the study (right).



ordered another just to empty out this gunk. Wearing hip boots, elbow-length rubber gloves, and old clothing that could be thrown away, he began digging. Little by little, he removed the thick, black goo using shovels, trowels, and scoops. The stuff was put into buckets, coffee cans — any throwaway receptacle.

At the end of the day, a gaping, five-foot deep, three-foot diameter hole was empty of its contents. Located just inside the basement door, it was built like a shallow well with the sides and bottom lined neatly in brick. Bob filled it for the last time with alternating layers of sand and rubble left over from the garage. With the engineer's blessing, we moved the support post over and left the pit to rest in peace.

As April and my due date approached, the various projects continued at a frenetic pace. Bob followed the engineer's instructions and made half-turns to the post screws at two-day intervals. The house no longer sagged as it once had, and eggs never again rolled off the counter. Eventually, a new bathroom door replaced the curtain. More progress came slowly, but the rewards were many as we transformed this aging Victorian house into our home. Now, eleven years later, only a little work remains. We are proud to be her present caretakers, and grateful to be part of her continuing history.



GETTING A GRIP ON HANDLES

by Gordon Bock

THE HEADS OF HAMMERS, sledges, axes, and other striking tools will perform for years before they wear out, but it won't make a difference if their handles quit first. Although steel and fiberglass are seen today, wood has been the handle material for ages — and with good reason. Wood handles are strong

2) Drive the wood plug back out of the eye with a punch or the leftover handle. Set the head upside down on blocks; work on a solid surface.

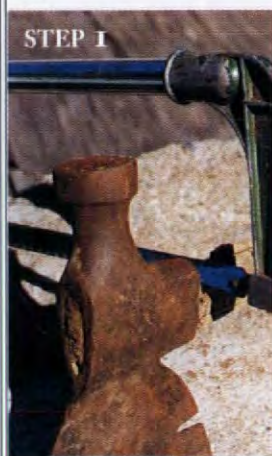
3) Test the new handle for fit. Make sure the head is on rightside-up; the eye is tapered in towards the center from both sides. If the handle is too large, rasp it down carefully at the

release the old handle from the head, slip in the new handle, then tamp the head to secure it. Wood handle care is pretty basic too, and maintains the health of both the tool and the user:

- Never paint a handle. You want to see right away if the wood is split or drying out and soon to break. Most handles never see another finish after the light varnish they get at the factory, but if you want to give yours some TLC, wipe it down occasionally with a mixture of 4 ounces of paraffin shaved and dissolved into 1 pint of mineral spirits (store the mix in a covered can). A dab of shellac or paint on the wedge end will seal the handle and help it remain tight.

- To tighten sound but loose handles tamp the heel (end) on a hard surface to drive the head down. Then, set wedges deeper and cut off excess wood.

- Never work with a loose or damaged handle. A good swing can turn a head that barely moves into a projectile that injures anything — and anyone — in its path.



STEP 1



STEP 2



STEP 5

yet light, and they absorb shock before it reaches your hands. Ideal as they are, wood handles do fatigue and eventually need to be replaced.

You can make your own handles if you like working with a drawknife, but most replacements are store-bought. Stick to hickory and ash, the best handle woods, and look for a handle that's a tight fit so the wood will compress in the head eye. Generally, hammer handles are classified by head weight; axe and sledge handles by length. Even so, don't forget to bring the tool with you when shopping to match up new and old handles. To replace a hammer, axe, or sledge handle:

1) Cut the old handle off just below the head, flush with the metal.

rub marks for a tight fit. Then lubricate the handle with a small amount of grease, soap, or paraffin mix (see below). Drive the new handle home until the head is about 3/4" from the shoulder. The handle should fill the eye and almost shave a little wood.

4) Drive in the new wood wedge flush with the head. This expands the handle to fill the top taper, locking it in place. Drive on a solid surface so the head does not work up the handle. Trim the excess handle wood flush with the head.

5) If the handle also requires a steel wedge, drive it in at right angles or diagonally across the wood wedge.

Picks, mattocks, eye-hoes and similar digging tools are even easier to repair. Simply strike the heel to

SUPPLIERS

O.P. LINK HANDLE CO., INC.

Dept. OHJ

Salem, IN 47167

(800) 992-9171

*Hickory and ash handles for all tools;
contact for nearest distributor.*

WADDELL MANUFACTURING CO.

3688 Wyoga Lake Rd., Dept OHJ

Stow, OH 44224

(800) 433-1737

*Garden and striking tool handles;
contact for nearest distributor.*

ECO-Solve™

by SCL Sterling

Tired of non-performing "safer" strippers? Then try

5f5

Strip-Kleen

Bio-Degradable Paint & Varnish Remover

- o Works in 10 mins.
- o Methylene Chloride free
- o Clean Air formula
- o Non-flammable
- o Reusable
- o Non-toxic
- o Low odor
- o For wood, metal & masonry



"For Today's Consumer"

By the makers of 5f5 products,
New England's #1 selling paint
removers.

ECO-Solve Div.

SCL Corp. Malden, Ma. 02148

Holiday Sale in Progress!

**UP TO
40%
OFF!**



ANTIQUE PLUMBING AND LIGHTING SUPPLIES FOR THE ENTIRE HOME

Mac The Antique Plumber carries the best and largest selection of antique plumbing supplies in the world . . . and other places too! Our NEW (1992/1993) catalog features 70 pages of plumbing supplies including leg tubs, shower enclosures, high and low tank toilets (including our new pillbox toilet), pedestal sinks, and a variety of bathroom parts and accessories; 13 pages of lighting fixtures and shades; and 14 pages of house hardware. In all, 2,000 different products are featured in our 96-page full-color catalog.

Forget the rest, we're the best

We will match or beat any advertised price, guaranteed

MAC THE ANTIQUE PLUMBER

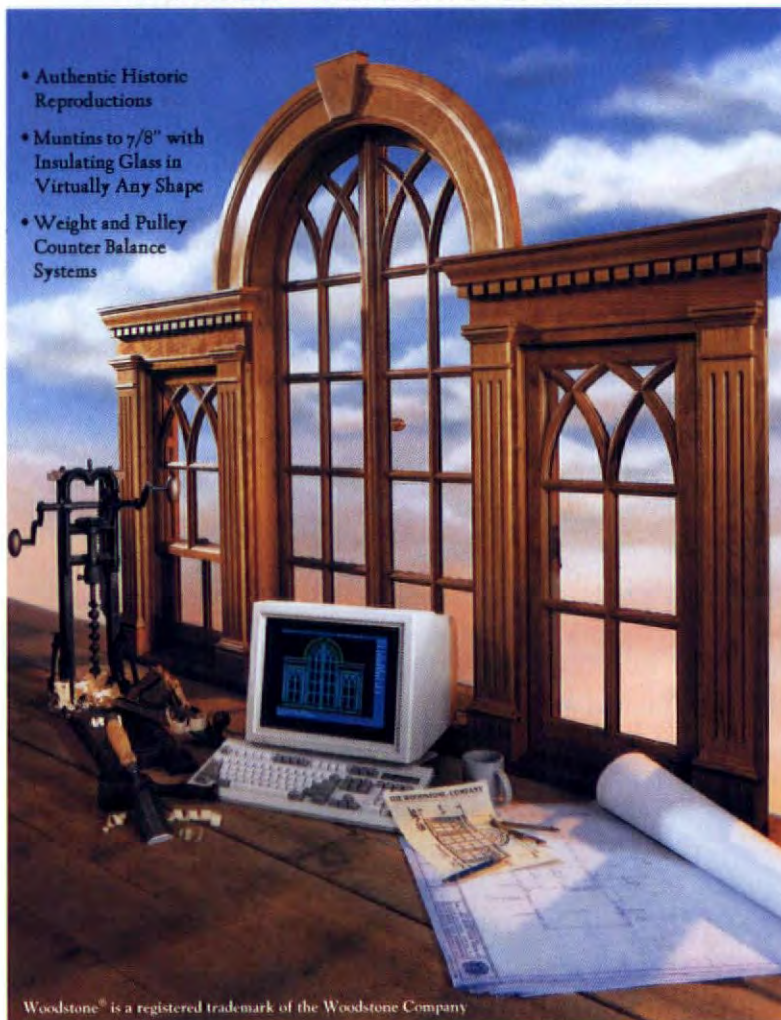
885 57th St., Dept OHJ-H, Sacramento, CA 95819

(916) 454-4507

Catalog \$6 (Refundable on first order)

TRADITIONAL & CONTEMPORARY WOODEN WINDOWS & DOORS

- Authentic Historic Reproductions
- Muntins to 7/8" with Insulating Glass in Virtually Any Shape
- Weight and Pulley Counter Balance Systems



Woodstone® is a registered trademark of the Woodstone Company

W·O·O·D·S·T·O·N·E

For brochure: Please send \$3.00 for shipping and handling
DEPT OH, BOX 223, WESTMINSTER • VERMONT 05158
(802) 722-9217 • FAX (802) 722-9528

ANTIQUE PLUMBING FIXTURES



VINTAGE AND REPRODUCTION
Claw tubs • Brass & Chrome
Showers • Shower Rings • Pedestal
Sinks • Faucets • Oak High Tank
Toilets • Cage Showers • Cross
Handles Porcelain • Hard-to-Find
Parts • A Huge Selection of
Accessories • Expert Advice

**Large Color
Plumbing Catalog \$6.00**

VICTORIAN AND TURN OF THE CENTURY Chandeliers, Sconces & Fixtures



Recreating the Finest Period
Lighting of the 19th and 20th
Century Americana and Huge
Selection of Antique Lighting

- Design
- Contract
- Manufacturer
- Restoration
- Replacement Parts & Glass
- Shades

**FREE
32-Page Lighting
Catalog**

We accept VISA/MC/AMEX
THE FINEST LAMP & FIXTURE RESTORATION AVAILABLE.
ROY ELECTRIC CO., Inc. (718) 434-7002
SHOWROOM: 1054 Coney Island Ave., Brooklyn, NY 11230

Restoration Products

COATINGS AND CLEANERS

by Lynn Elliott

It's Easy Being Green

CALLS OFTEN COME IN FROM readers wanting to make old copper look new, or new copper look old. Here's a solution for the latter:



The Patina Antiquing Kit contains enough solution to cover 10 square feet.

the Patina Antiquing Kit from Modern Options. It contains everything needed to create an authentic patina finish on paintable surfaces, including Patina Green and Copper Topper. When sprayed on metals, such as copper, brass, or bronze, Patina Green creates an instant verdigris finish. For non-metal applications, Copper Topper, a liquid-copper solution, acts as a metallic basecoat for Patina Green. Used together, wood, plas-

ter, fabric, masonry, and almost anything else can be patinated. The kit also includes Metal Master, Primo Primer/Sealer, bristle brushes, foam brushes, natural sponges, an emery cloth, latex gloves, and com-

plete instructions. The Patina Antiquing kit costs \$25. For information, contact Modern Options, 2325 Third St. #339, Dept. OHJ, San Francisco, CA 94107; (415) 252-5580.

Peel-Proof Paint

PEEING PAINT AND mildew can be a problem in moisture-

prone rooms, such as the bathroom. Perma-White Bathroom Wall & Ceiling Paint from Zinsser & Co. is formulated to prevent mildew growth and blistering. It is a white, water-based coating that can be tinted to match any color, and is self-priming. Available in a washable and scrubbable satin or semi-gloss finish, it comes in quarts, gallons, and 5-gallon pails and can be found at most paint, hardware, and home center outlets.



Moisture-resistant Perma-White Bathroom paint won't chip, peel, or blister.

Zinsser also offers other useful items, such as the DIF enzyme-based wall-paper stripper and the multi-dimensional Paper Tiger, which scores wallpaper without damaging walls. The paint ranges in price from \$15 to \$30 per gallon. For a list of distributors, contact Wm. Zinsser & Co., Inc., 39 Belmont Dr., Dept. OHJ, Somerset, NJ 08875; (908) 469-4367.



Go, Spot, Go

AN INTERESTING new way to restore water stained walls and ceilings has come to our attention. Spot-N-Not removes most water stains from white (not color) painted ceilings,

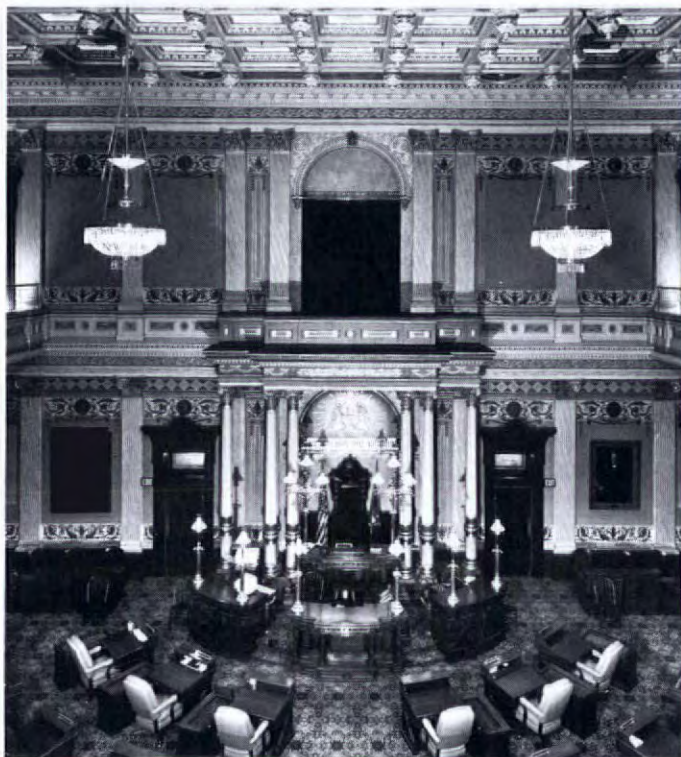
textured ceilings, and drywall. After being sprayed directly on the spot, the stain disappears as the chemical has opportunity to work. The solution of bleaching agents and emulsifiers will not change the paint's finish, so there's no need to repaint. A quart of Spot-N-Not costs \$19.95 plus \$3.55 shipping. For information, write Tomark Industries, Inc., Box 216, Dept. OHJ, Bethany, OK 73008; (405) 495-1633.

Remove water stains from walls and ceilings with Spot-N-Not.

Congratulations to Old-House Journal on Their 20th Anniversary!

▼ Michigan Senate Chambers

Photography by Dietrich Floeter



HISTORICAL PAINTING

Gold Leafing • Glazing
Stencilling • Marbling
Graining • Trompe L'oeil
Murals • Conservation
Restoration

TO DISCUSS
YOUR PROJECT CONTACT
JOHN CANNING

P.O. Box 822
Southington, CT 06489
(203) 621-2188 / FAX (203) 621-2188



Thaddeus Watkins

A LOVE OF THE HEART...

America's premier
flooring manufactured
from antique heart
pine timbers

J.L. Powell & Co. Inc.
(919) 642-8989 • (800) 227-2007
600 South Madison Street
Whiteville, N.C. 28472

Golden Glow Cleaning & Polishing Kit



Make your metals bright again! Here's the best of everything you need—all in one box. Cleaner, polish, applicators, and more just \$27.95, shipping and handling included.

To order call Ball And Ball
1-800-257-3711



463 W. Lincoln Highway • Exton, PA 19341
Phone: 215-363-7330 • Fax: 215-363-7639

Restoration Products

FOR BEAUTIFUL BATHS



Pottery Sinks

GRANITE LAKE POTTERY HAS A line of stoneware sinks that are made individually on a potter's wheel and decorated by hand. Crafted with thick walls and strong rims, these heavy-duty sinks are fired to a stoneware temperature for durability. They are cleaned easily and are considered self rimming because the basin's edge rests on the vanity top. The round sinks usually range in size from 14" to 16" in diameter, but custom sizes are also available. Designs



This pottery sink in the Victorian Garland design also comes with matching bath accessories.

include blue and pink spongeware, Victorian Garland, and Pine Bough. Matching decorative tiles and bathroom accessories, such as soap dispensers, toothbrush holders, and tumblers, are available. Offered with a five-year warranty, the pottery sinks cost from \$120 to \$410, depending upon size. For information, contact Granite Lake Pottery, Inc., P.O. Box 236, Dept. OHJ, Munsonville, NH 03457; (603) 847-9908.



A luxurious addition to any bathroom: The 12" Country French showerhead in polished brass.

A Soothing Shower

HERE'S A REPRODUCTION OF A turn-of-the-century showerhead with an unusual feature: a self-contained reservoir. Originally found in a French villa, the Country French showerhead's reservoir creates a gentle spray of water. The corrosion-proof, stainless steel face has 450 openings in a pattern large enough to cover the entire body. The 12" showerhead is available in chrome or brass and is installed easily with the ceiling/pipe adapter. The Country French showerhead costs \$179 for brass and \$215 for chrome; the ceiling/pipe adapter is \$49.99. For information, contact JB Products, Inc. 500 N. Oakwood Rd., Dept. OHJ, Lake Zurich, IL 60047; (708) 438-9100.

14K Faucets

ALL THAT GLITTERS IS GOLD in Hardware + Plus' new line of gold-plated faucets and fittings. Imported from Britain, the collection has been made in the same styles since 1901 and includes Victorian, Edwardian, and Art Deco basin sets, bath

filler sets, and telephone hand showers. Finished in antique gold or chrome, the taps are made of solid brass with old-style rubber washer valves or, in the Gaslight line, ceramic disk valves. The classic decorative patterns on the porcelain knobs are sealed in a scratch-resistant surface. A second collection offers lacquered brass, chrome, or antique gold accessories, such as soap and sponge baskets, tilting soap dispensers, hand rails, and toothbrush and tumbler holders. For the faucets, prices range from \$250 to \$1,000; the accessories cost from \$10 to \$100. For information, contact Hardware + Plus, Inc., 701 E. Kingsley Rd., Dept. OHJ, Garland, TX 75041; (214) 271-0319.

The Edwardian-style bath-shower mixer set with porcelain knobs is from the Gaslight Collection.





**IN A RECENT POLL
100% OF THOSE
BIRDS INTERVIEWED
FOUND OUR PRODUCT
TOTALLY REPELLING**



Nixalite stainless steel needle strips — Effective, humane bird control. For the whole story, contact us.



NIXALITE of AMERICA
1025 16th AVENUE
P.O. BOX 727 • DEPT. OHJ
EAST MOLINE, IL 61244
800-624-1189 • FAX 309-755-0077
SPECIALISTS IN BIRD CONTROL



Hand crafted period cabinetry. Call or write for the nearest sales representative. Design portfolio available for \$10.00.

The
KENNEBEC
Company

Telephone
207-443-2131

Designers & Cabinetmakers

One Front Street
Bath, ME 04530

Custom Shutters

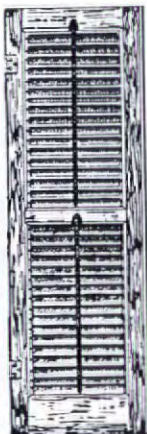
Interior and Exterior
Wholesale to the Public

2 1/2" Moveable louver, raised panel and fixed louver shutters. Custom finished or unfinished. Complete selection of hardware.

Call or write for brochure

Shutter Depot

RT.2 Box 157
GREENVILLE, GA 30222
706 • 672 • 1214

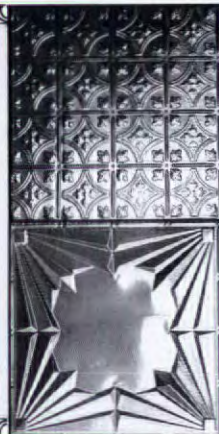


Buy the original, not an imitation TIN CEILINGS & WALLS

- 26 patterns available 2' x 8' and 2' x 4'
- Brass and copper-plated pre-painted patterns available in 2' x 4' size
- Lay-in panels in 2' x 4' & 2' x 2'
- 13 cornice moulding styles
- Pre-cut miters
- Fast and easy installation
- Shipped anywhere
- Send \$1 for brochure



**AA ABBINGDON
AFFILIATES, INC.**
2149 Utica Ave., Dept. OHJH
Brooklyn, NY 11234
(718) 258-8333



HOMESAVER® CHIMNEY LINERS

FOR RESTORING GREAT OLD CHIMNEYS ON GREAT OLD HOMES

Lifetime warranty for woodburning applications. UL Listed. Call or write for a FREE brochure and the name of an installer/dealer in your area. 1-800-437-6685, ext. 500; 9:00 A.M. to 5:00 P.M. Central Time, Monday through Friday.

HomeSaver Chimney Liners, P.O. Box 664, Fairfield, IA 52556



HOW TO ORDER OUR PLANS

Mail-order plans have a long history in shaping the residential architecture of the country. Of the thousands of house plans available today, few exhibit good design and a grasp of historical proportion and detail. So, in response to requests from OHJ readers, the editors have "done the homework": We've hand-picked plans. In each issue, we offer the most attractive, authentic, and buildable of the historical designs, from all periods of American architectural history. Let us know what plans you're looking for.

You can order actual blueprints for all the houses featured. These plans are designed to conform to national building-code standards. However, the requirements of your site and local building codes mean you'll probably need the assistance of a professional designer (your builder may qualify) or an architect.

For the houses shown in this issue, blueprints include:

- Foundation plan for basement or crawl space. (Crawl space plans can easily be adapted for full basements by your builder.)
- Detailed floor plans showing dimensions for framing. Some may also have detailed layouts and show the location of electrical and plumbing components.
- Interior elevations are included in some plans, showing interior views of kitchen, bath, fireplace, built-ins, and cabinet designs.
- Building cross sections:

cornice, fireplace, and cabinet sections when needed to help your builder understand major interior details.

- Framing diagrams that show layouts of framing pieces and their locations for roof, first and second floors.
- Energy-saving specs, where noteworthy, are included, such as vapor barriers, insulated sheathing, caulking and foam-sealant areas, batt insulation, and attic exhaust ventilators.

Why order multiple sets? If you're serious about building, you'll need a set

each for the general contractor, mortgage lender, electrician, plumber, heating/ventilating contractor, building permit department, other township use or interior designer, and one for yourself. Ordering the 8-set plan saves money and additional shipping charges.

Other notes: (1) Plans are copyrighted, and they are printed for you when you order. Therefore, they are not refundable.

If you order additional sets of the same plan within 30 days of your original order, you can purchase them for

\$15 each. (2) Mirror-reverse plans are useful when the house would fit the site better "flopped." For this you need one set of mirror-reverse plans for the contractor; but because the reverse plans have backwards lettering and dimensions, all other sets should be ordered right-reading. (3) Heating and air-conditioning layouts are not included. You need a local mechanical contractor to size and locate the proper unit for your specific conditions of climate and site.

OHJ HOUSE PLAN SERVICE 2 Main Street, Gloucester, MA 01930

Please send the following:

PLAN NAME _____ PLAN # _____

#1 ☐ ONE COMPLETE SET OF WORKING DRAWINGS\$ _____

#2 ☐ FIVE-SET PACKAGE\$ _____

#3 ☐ EIGHT-SET PACKAGE\$ _____

#4 ☐ ADDITIONAL SETS OVER 8 OF WORKING DRAWINGS @ \$15EA.....\$ _____

#5 ☐ PLEASE INCLUDE 1 ADDITIONAL SET OF MIRROR REVERSE @ \$25\$ _____

ADD POSTAGE & HANDLING\$ 7.50

TOTAL\$ _____

SEND TO _____ ☐ CHECK ENCLOSED CHARGE TO: ☐ VISA ☐ MC

ADDRESS _____ CARD # _____ EXP. DATE _____

CITY _____ SIGNATURE OF CARDHOLDER _____

STATE _____ ZIP _____ DAYTIME PHONE # _____

Please allow 3 weeks for delivery.

PRICES GOOD THROUGH NOVEMBER 1994 ND93

ORNAMENTAL QUEEN ANNE



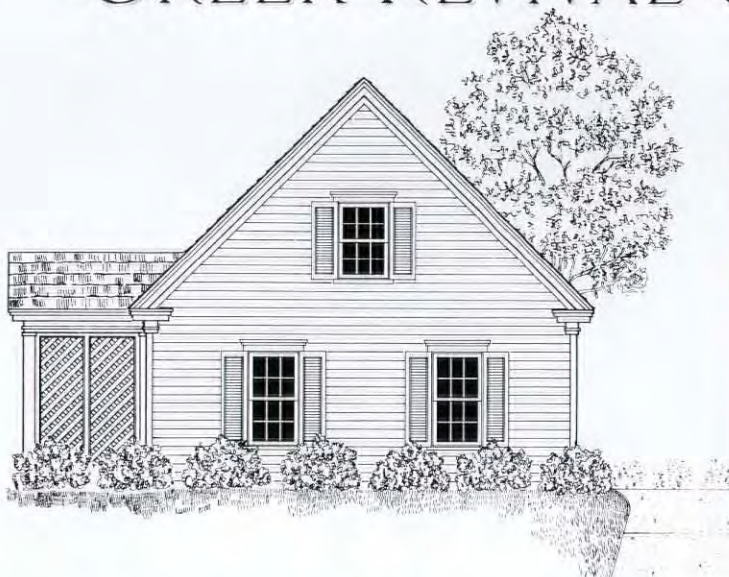
HERE'S A HOUSE PLAN FOR TRUE LOVERS OF EXUBERANT Victorian design. Along with a turned-post porch, the first storey features a bay window capped by an arch of ornamental woodwork. On the second storey, the gabled bays are adorned with sunbursts, finials, corner brackets, and a gargoyle. A grand turret-oriel window on the corner is the finishing touch.

A perfect house for entertaining, the foyer opens to an impressive view of the grand staircase and cozy nook — a gracious place to greet guests before ushering them into the parlor. The dining room, overlooking the arbor, is adjacent to an efficient kitchen with a breakfast bar. Upstairs, the master suite with private bath and walk-in closet has a five-window nook that offers a sunny spot to relax.

**Plan HH-13-VI**

Cost.....	\$260
Set of 5	\$320
Set of 8	\$360
Square Footage	2,828'
First floor	1,472'
Second floor	1,356'
Ceiling Height	
First floor.....	9'
Second floor.....	8'
Overall Dimensions	
Width	50'
Depth	66'

GREEK REVIVAL GARAGE



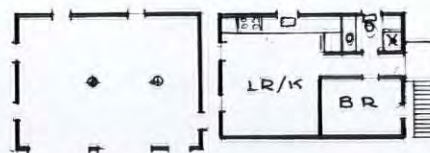
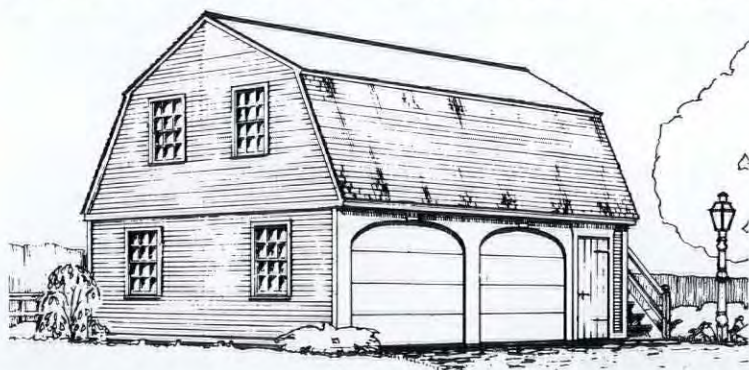
Plan HR-49-GA

Cost	\$50
Square Footage	1,175'
First floor	750'
Second floor	425'
Ceiling Height	
First floor	9'
Second floor	8'
Overall Dimensions	
Width	30'
Depth	25'

THE SIMPLE, CLASSIC DETAILS, SUCH AS THE RAKING CORNICE AND gable end returns, on this two-car garage would compliment any Greek Revival-style home. On the first floor, there is a extra storage space with an outside entry for bikes and gardening equipment. The spacious second floor, led to by an interior stairway, is a good place for a workshop, office, or guest room. Note the arbored entrance leading into the large carport.



GAMBREL ROOF COACH HOUSE



THIS COLONIAL REVIVAL-STYLE PLAN NOT ONLY HAS ENOUGH space for two cars and a storage area on the first floor, but the gambrel roof provides room for an income-making apartment on the second floor. Accessible by an outside stairway, the apartment has a 12' x 8' 6" bedroom, a compact bath with shower, and a 13' x 17' living room/kitchen. This 20' x 25' space could also make an ideal office, studio, or workroom.

Plan CD-16-GA

Cost	\$50
Square Footage	572'
Overall Dimensions	
Width	22'
Depth	26'

IMPORTUM

Catalogues • Products and Services



For Sale/Swap • Real Estate • Events

Real Estate



SELMA, AL — Grace Hall, circa 1857. A thriving Bed & Breakfast in an elegantly and authentically restored antebellum mansion. Eight bedroom/bath suites plus owner's apartment. Flourishing corporate bookings. Approved commercial kitchen. \$599,000. Sandra Nickel, Realtor; (800) HAT-LADY.

ORANGE, CA — Fabulously restored 1911 Campbell House in Old Towne Orange. Huge turreted conservatory linking family area and west wing. Four bedrooms and two baths in 2,800 square feet, formal dining room and kitchen eating area, quarter acre lot. Period County English furnishings can be included in purchase. Ideal for a large family or a Bed and Breakfast. \$450,000. Call Don at First Team Real Estate (714) 731-6771.

SANTA BARBARA, CA — 1892 Queen Anne. Corner lot. Walk to downtown and Mission. Extensive restoration. 4 BRs, 2 baths. Virtually solid redwood, including door/window trim and open staircase. Original handrolled/stained glass. Call Penny Carrick; (805) 969-1133.

SAN DIEGO, CA — 1930. Imagine early Sunset magazine! One hour east of San Diego. Redwood "log" siding. Classic built-ins. Rustic/Mission flavor. 3 bdrms, 1-3/4 baths, arched ceiling, fireplace, oak floors, breakfast nook, sun porch. 45 acres. \$209,000. (206) 385-9725.

YORBA LINDA, CA — Historic 1916 Orange County California bungalow.

Next door to new 25 million dollar Richard Nixon Presidential Library and Birthplace. Strong commercial potential. 2/3 bdrms, 2 bath. Separate guest quarters. Central air. \$290,000. Owner (714) 528-4264.

OCALA, FL — Victorian 1886 National Historic District. Gracefully aged, one-storey home. Heart pine construction. 2 or 3 bedrooms, living room with bay window, dining room, kitchen, bath, 11 ft. ceilings, two fireplaces. \$155,000. Call Freeman's (904) 629-8190.

NEAR ATHENS, GA — C.1900 southern vernacular on 1 acre. 2,400 sq. ft., 9 rooms, 2 baths, central HVAC. Work in progress, but very livable. New garage, 7 pecan trees. \$94,000. Jerry Ingram; (706) 783-3570.

LAURENS, IA — 45 mi. from Okoboji. 1894 Queen Anne. 2,726 SF, 4 Bdrms, 2-1/2 baths. Formal living, dining, parlor.

Un-painted oak woodwork and pocket doors. Open front staircase. 1/2 acre lot. \$67,000. (712) 845-4317.

ALDEN, IL — 1891 Foursquare on 1/4 acre lot, 50 miles NW of Chicago. Open front porch, original woodwork, hardwood floors, updated and restored. 3 bedrooms,

1-1/2 baths, 28' living room, dining room, and den. \$125,000. Call (815) 648-2806.

CHICAGO, IL — Renovated 1891, 3-flat in historic district. Modern amenities plus Victorian charm in 2-floor (12 room) owner's unit with \$800 per month rental unit below. Hardwood floors, oak/maple staircase. Central air, garden, garage; \$310,000. Bob; (312) 276-3441.

GROTON, MA — The Joshua Whitney House. Center-chimney saltbox, c. 1700, with 100 ft. barn on a 17 acre pastoral setting. Lovingly cared for; structurally strong, 10 rooms, 3 bath country home ideal for the gentleman farmer or period house buff. Traverse 3 centuries as you



drive down the long grassy lane to this unspoiled homestead. A New England treasure! \$547,000. Call Margie or Debbie at (508) 371-9990. Re/Max Walden County, Concord, Ma.

MILTON, MA — 1870 farmhouse now in Boston suburb. Excellent condition by lots of restoration potential. Seven rooms: 3 bedrooms, 2 full baths. New gas heat. \$150,000. Owner; (617) 698-7103.

GRAFTON, MA — 1917, completely restored, ten-room Craftsman-style home. French doors, fieldstone fireplace in living room. Museum quality woodwork throughout. Spectacular views. 4-6 sun-filled bedrooms. 4.5 acres, stone walls, mature plantings. 50 minutes to Boston. Call (617) 894-6057.

BALTIMORE, MD — Large, turn-of-the-century rowhouse. Approx. 4,500 sq. ft., 16 rooms. Virtually all original details intact: oak panelling, parquet floors, pocket doors, stained glass windows, etc. New kitchen. Call (410) 383-1359.

PEMBROKE, ME — 1,900 SF, c. 1820 Adams cape lifted/converted to 2-1/2 storey "colonial" c. 1870. Needs restoration including foundation, systems. Many features remain: wainscot, thin panel doors, fireplace surrounds, etc. 1-acre lot. Beautiful saltwater river views. \$25,900. (207) 284-0477.

GRAFTON, NH — C. 1895 Victorian w/ lovely setting on town green. Recently painted 3-color ext. w/porch & some gingerbread. 1.5+ acres. Interior mostly restored. 3 bedrooms, 2 full baths, fireplace, pantry, workshop, garage & basement. 35 mins Hanover (Dartmouth College), 50 mins Concord. \$129,000. Call (215) 540-9394.

In This Section

Real Estate.....	55
For Sale.....	58
Wanted.....	58
Events.....	58
Restoration Services.....	62
Products Network.....	66
Advertisers' Index.....	78

PORTSMOUTH, NH — Captain Daniel Fernald House in historic district. 1 hr. Boston/Portland. 14 room fully restored gambrel, 9 fireplaces. Panelling, double summer beams, custom kitchen w/walk-in pantry. 2 full and 2-1/2 baths. Secluded perennial garden & 3-car parking. \$390,000. (603) 436-8987.

SUGAR HILL, NH — 1810 Federal. 9-room house. Sugar Hill White Mountains. Near skiing and golf. Timbered barn. Gazebo, stone walls, 10 acres. Raise your own beef, chickens, and garden. \$273,800. Call (603) 823-5354.

LINCROFT, NJ — Cold War Colonial, circa 1959. 3 bedrooms, 2-1/2 baths, living room w/fireplace, family room w/woodstove, country kitchen, much storage area, 2-car garage, tool shed, 1-1/2 landscaped acres, 1 hour from NYC. \$235,900. Call (908) 741-4223.

CATSKILL, NY — C. 1810, center hall, former Colonial inn. 3-storey, post & beam, 5,000 SF on 1.86 acres. Many original features, needs complete restoration. Near skiing, great B&B potential. \$35,000 firm. Call (908) 821-0729.

LAKE SUCCESS, NY — Sale by Owner. Carefully restored historic home, 1814. Gingerbread porches; beautifully landscaped, secluded, large property. Living room, library, dining room, EIK. 4 bedrooms, 2-1/2 baths, jacuzzi, 3 fireplaces. Village golf course, tennis, pool. \$695,000. Principals only; (516) 773-4420.

RED HOOK, NY — Classic, 18-room Victorian. Pristinely restored and maintained. 12 bedrooms; 4,500 sq. ft. Marble fireplaces and sinks, parquet floors, chandeliers, original woodwork, updated plumbing & electric, mature landscaping. Country setting with village convenience. Reduced to \$379,000. Call (914) 758-0117 or (914) 452-9545.

TOLEDO, OH — 1867 brick Italianate, 3,100 sq. ft. 5 bedrooms, 2 baths, front & back parlors with original pocket doors, dining room, kitchen, ornate front porch, 3 bay windows, in historic district near Maumee river, Lake Erie & downtown, rehab needed \$10,000; (419) 243-3204.

WAYNOKA, OK — Beautiful, 3-storey Victorian home. 7 plus bedrooms, 3-1/4 baths, fireplace, front & back stairways, full basement. Over 5,000 sq. ft. Perfect for a B&B. \$80,000. Shannon Treece; (405) 824-6771.

BUCKS COUNTY, PA — 200 year-old

stone house. Swift commute to Phila. or NJ. Deep window sills; wind-up stairs to attic, 3 rms & bath - 2nd fl., 2 rms - 1st fl., 2 rms & 1/2 bath ground level, fireplace, 2-car garage. Root cellar, 12' deep well, and summer kitchen. 1.3 cozy acres with tall trees & fruit trees. Adore your love nest and restore this antique gem for \$149,500. By owner: (201) 605-8050.

PHILADELPHIA, PA — East Falls. 1913, stone Craftsman cottage. Beautiful, 1 convenient area. Modern kitchen and utilities. 4-1/2 bedrooms, 2-1/2 baths, large living room/working fireplace, dining room, 2 sunrooms. Full basement/wine cellar, attic, porch. Detached stone garage. Prudential Preferred Properties; (215) 649-7410.



PITTSBURGH, PA — Enchanting Stone Chalet. Located in the prestigious historical district known as "Judge's Row." This magnificent 4 BR, 2 BA home offers a 1st floor rm as well as 2nd floor Rec room. French doors and parquet floors throughout, brand new 21 ft. oak "Dream Kitchen" w/ center isle., brand new windows & electrical, 2-car garage & more. \$103,000. For color brochure and information, call Greg Higbee, Realty Group Assoc., Inc., at home (412) 321-0469 or office (412) 487-8083.



POCONO MOUNTAINS, PA — The remnants of a 4,100 square foot stone and stucco home on approximately 61.59 acres. House contains large rooms, cathedral ceiling, inlaid hardwood floors, and a turret w/circular staircase. Constructed in the early 1900s. \$212,000. (Asking price represents land value only.) PNC Realty Holding Corp., (412) 762-5888.



POCONO MOUNTAINS, PA — Circa 1890 Bed & Breakfast. Located in the heart of the Pocono Mountains, this three-storey Victorian Inn, known as The Old Village Inn, contains eleven guest suites and a restaurant dining area with seating for 75. The Inn has 6,900 SF and is situated on 5 acres. Hardwood floors, lounge with wood burning stove, and wetbar add to its charm. FULLY FURNISHED WITH FULLY EQUIPPED KITCHEN. \$435,000. PNC Realty Holding Corp., (412) 762-5888.

WOOLRICH, PA — 1883 restored Queen Anne in small quaint historic community minutes from new outlet complex. Qualifies for National Register, Preservation award winner. 11 rooms, fireplace, antique cookstove in kitchen. One bedroom apartment. Carriage house. \$150,000. (717) 769-6289.

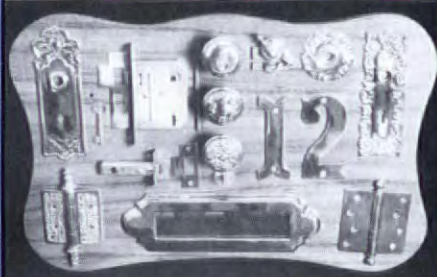
YORK COUNTY, PA — C. 1700s, Colonial stone home, 2-car garage on 1-1/2 acres with restored 5 bedroom, 2-1/2 bath, new country kitchen, lg. barn and workshop, lg. shade trees, well at barn, country atmosphere, 30 min to Harrisburg, York, Hanover. \$249,000. Photo available upon request. Call (717) 432-9339.

PENNSYLVANIA RESTAURANT — Move right in! The country setting will charm you as you walk into this family-owned restaurant. Includes 2 large apartments on 3.5 acres. Next door neighbor is largest state park in North East. Business all year round! (717) 477-2556.

IRVINGTON, VA — "Frog Hill," c. 1890. Restored and nestled on 150 feet of waterfront with dock. Stocked pond. Private, lovely 2+ acres. Minutes from Chesapeake Bay and several resorts. \$169,000. IsaBell Horsley Real Estate, Dave Johnston, "The Old House Man"; (804) 758-0740.

RAPHINE, VA — Oak Spring Farm & Vineyard, c. 1826. Large restored farmhouse on 40 acres with vineyard, pasture, woods and water. Five BR, 4 BA, fireplaces. Great horse farm, now operating

VICTORIAN DOOR AND CABINET HARDWARE



Our Victorian Door and Cabinet Hardware Catalogue has what we have found to be the most asked for hardware plus many hard-to-find items such as floor registers, bar rails, towel bars, stair rods and ice box hardware.

Classic Brass & Hard-To-Find Parts
Send \$3 For Complete Color Catalogue

BATHROOM MACHINERIES
BOX 1020-OH • MURPHYS, CA 95247
(209) 728-2031

Also- Victorian Plumbing Catalogue, send \$3.

Decorative Metal Ceilings

Original turn-of-the-century patterns

Using eighty year old dies, the W. F. Norman Corporation is once again producing metal plates for the design of ceilings and wall coverings. Their growing popularity stems not only from nostalgia but from their beauty, permanence, fireproofing and economy.

The fullness of the Hi-Art™ line — including center plates, corner plates, border plates, cornice and filler plates — permits classic designs to be produced that are architecturally proportioned for an exact fit.

Write for reproduction copy of 72 page illustrated catalog. Price \$3.

W.F. Norman Corporation

P.O. Box 323 • Nevada, Missouri 64772 • 1-800-641-4038

Fax: 417-667-2708

Over 50 Grille Sizes & Designs LARGEST SELECTION OF *IN-STOCK* CAST IRON OR BRASS REGISTERS & GRILLES.

Enhance the appearance of your home. Whether building, remodeling or simply redecorating, our beautiful 100% solid cast grilles finish off any room perfectly. Ideal with forced-hot-air systems, wood stoves, even solar collectors.

Request our color catalog. \$1.00

The Reggio Register Co.
Dept. D311 P.O. Box 511
Ayer, MA 01432

CALL (508) 772-3493

**Reggio
Registers**

THE STEWART IRON WORKS COMPANY

Ornamental Iron Fences & Gates for over 100 Years

- Solid Iron Construction • 15 Standard Historic Styles
- Custom Designs and Period Reproduction Available

Send \$3.00 for New Catalogue & Price List
P. O. Box 2612 (O. H. J.) • Covington, KY 41012-2612
(606) 431-1985

BRINGING THE PAST INTO THE PRESENT

"MORE LIGHT"

GOETHE



Request our catalog.



REJUVENATION LAMP & FIXTURE CO.

1000 S.E. GRAND AVENUE, PORTLAND, OREGON 97214 (503) 251-8900

B&B. Convenient to Lexington and Staunton. \$450,000. (703) 377-2398.



WISCONSIN — Circa 1875 Victorian on corner lot near school & downtown area of small Wisconsin town. 4,000 sq. ft., 5 bdrms, 3 baths, new gas heat, new wood floors, remodelled kitchen, plus two 1 BR apartments! 2-car garage. \$81,900. United National Real Estate; (800) 999-1020, ext. 108.

PENNSBORO, WV — 15,000 sq. ft., 1911 brick commercial building w/4 store fronts, tin ceilings, 2nd floor, full basement, parking. Fronts rail trail that's part of coast to coast American discovery trail. Sound building w/excellent potential. \$69,000. Dale; (800) 846-6606.

For Sale

1922 SEDGWICK DUMBWAITER — Mint, complete. 3-storey, 1,200 lb. cap., cast iron/clear oak. Unique American elegance. 8' L x 6'6" H x 3' 9" W inside. Labeled, videos, documentation. Needs astute estate/museum restorative vision. Serious bids/inquiries only. Mark (203) 323-6233, after 6pm.

1930S REFRIGERATORS — G.E. Monitor Top refrigerators and very nice early 1940s Tappan Deluxe gas stove. All in good original working condition or can restore to perfect. (314) 442-7247.

1950S YOUNGSTOWN KITCHEN — Metal base and wall cabinets with stainless steel countertops, including sink base and corner base and wall units. Fair condition. M. Honaker, (304) 522-6136.

ANTIQUES — Early 1900s bannister with balusters; leaded, stained glass lamp shade (possible Handel); oak kitchen chairs, Polish war relief posters and other WWII memorabilia, Kennedy campaign buttons and bumper stickers. Queens, NYC area; (718) 767-9017.

ARCHITECTURAL RECORD — 1911-1921.

119 issues total, some duplicates. Good condition. SASE for list. T. Campion, PO Box 294, Scranton, PA 18501.

CAST-IRON PLANTERS — Several cast-iron planters or jardinières. Large one. B.A. Meister, 332 N. 11th St., Rochelle, IL 61068.

CHAIRS, CHAIRS, CHAIRS — Collector clearing out. 100s of chairs needing refinishing and cane or rush. Singles, sets, rockers, etc. Newer ladderbacks to Walnut Victorians \$20 and up. Some upholstered Victorian pieces. Staten Island, NY; (718) 948-3626.

CLAWFOOT TUB — With 3-sided glass shower stall, circa 1900. Original condition, brass pipes and shower frame, 9" porcelain showerhead, porcelain knobs, 1/2" opaque glass panels 54 x 23, tub 61 x 32 x 19, height shower and tub 90". Exterior green, interior porcelain. \$1,700. Call (903) 893-6216.

EASTLAKE SETTEE — Beautiful Victorian Eastlake settee w/2 side chairs. Deep wine antique velvet. Orig. horsehair label. Very good condition. \$2,000 or best offer. Photos available. Call (313) 453-8036.

GAS STOVE — 1930s Oxford-Universal. 4 burners, broiler, shelf cover up, salt and pepper shakers, match compartment, white/black, works well. \$300 or best offer. (708) 749-7565.

GAS STOVES — Two c. 1940 gas stoves in good working condition. Two 4 foot claw tubs in good condition. Located in Queens, NY. \$75 for each stove; \$50 for each tub. Call (201) 403-2632.

GENTLEMAN'S FARM — Seeking a restorable and livable country estate or gentleman's farm near Albany/Glen Falls, NY or New England. Sales agreement MUST include that I will rent your property to facilitate sale of my present house. (516) 735-6378.

"KENSINGTON" FIREPLACE TILE — Signed c. 1886. 17 fireplace tiles, 6" x 6" beautifully glazed. Near perfect condition. Call (402) 423-1582.

MARBLE SHELVES — Carrara, bevelled, perfect condition with old, fancy iron brackets. 10 x 24; \$350. 7 x 17 for clocks; \$275. Hurry, only 5. Robert; (619) 234-8032.

OHJ ISSUES — 20 yr. collection, minus 10 issues; \$225. Fauquier, P.O. Box 578, Warsaw, MO 65355; (815) 438-7451.

OLD-HOUSE JOURNALS — Offering a

complete run of Old-House Journal: Oct. 1973; Vol. 1, No. 1, to present. \$200 plus shipping. As issued condition. D.B. Priestler, 49 Hillcrest Davenport, IA 52803.

PUMP ORGAN — Mason and Hamlin, c. 1860s. Good condition. Bellows rebuilt. Have replacement ivories. Does not have ornate top. Contact B. Prokosch, RFD #1, Franklin, NH 03235.

SOLID OAK EXTERIOR DOORS — Pair 1-3/4 inches thick, curved top, small etched window on top of each door. 8' 5" high x 61" wide opening, original key & hardware. 100 years old. \$700. (607) 687-3509.

VICTORIAN SQUARE PIANO — Rosewood "Knabe" Victorian Square grand piano (c. 1883). Has been restrung and kept tuned regularly. Asking \$1,500. George H. Pooler, 33 Revere St., Springfield, MA 01108; (413) 739-3663.

VINTAGE BARN — 2-1/2 story, tin roof, early 1800s, pegged hand-hewn beams. Ideal for a home. 2-bay carriage structure and caretaker quarters attached. Purchaser to remove and transport. Located Cairo, NY. Asking \$8,500; (518) 622-2065.

WALNUT FINISHED DRESSER — with brass trim, 72". Huge accompanying mirror and night table. Simple lines make suitable for refinishing, if desired. Dresser can substitute for buffet. Call (718) 258-8095.

Wanted

EARLY AMERICA — 8 Vol. set. Published by the Early American Society. Jack Goosman, P.O. Box 13, Pickering, Ontario, Canada L1V 2R2; (416) 649-3687.

CHURCH — Episcopal or Catholic, 200-300 seating, pre-1905, ornate alter, preferably wood frame. Must be available for relocation. Contact Timothy DuPont; (305) 854-4651 or (305) 358-3388.

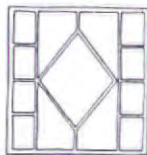
Events

EXHIBIT — November 5 & 6 in Weld Hall, Church of St. John the Evangelist in Hingham, MA. Arts & Crafts Movement reproductions and original designs will be featured, including furniture, lighting, carpets, wallpaper, stencils, and more. Call (617) 982-1812.

REPLACE ROTTED SASH

Any style, any size.
Wood storms and
screens, too. Costs
less than you think.

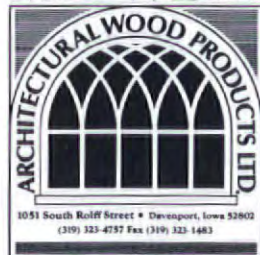
Fast turnaround. Insulated glass
available. Send \$2 for literature.



Midwest
Wood Products

is now

MIDWEST



1051 S. Rolff St.
Davenport, IA 52802
319/323-4757
FAX 319/323-1483

Architectural Sheet Metal Ornaments

Now available from the W.F. Norman Corporation, makers of Hi-An® Steel Ceilings - a complete, 94-year-old line of architectural sheet metal ornamentation including:

- | | | | | | |
|------------|-------------|-----------|------------------------|-------------------|-------------------|
| • moldings | • balusters | • finials | • marquee | • crestings | • lion heads |
| • brackets | • urns | • scrolls | • enrichments | • garlands | • conductor heads |
| • corbels | • capitals | • leaves | • glass pendant frames | • panel ornaments | • and fittings |
| • rosettes | • festoons | • friezes | | | |

Over 1300 catalog items available in zinc or copper. Custom reproduction inquiries invited.

W.F. Norman also produces building cornices, lintels, capitals, window hoods, finials and weathervanes.

W.F. NORMAN CORP.

Complete catalog \$2.50 • P.O. Box 323, Nevada, MO 64772 • 800-641-4038 • fax 417-667-2708

F·I·R·E·B·A·C·K·S

Classic fireplace protection yields construction benefits



Upgrade fireplace appeal with white plaster, old paving bricks and stones. A cast iron fireback shields rear wall from cracking, spalling and loosened mortar. Radiates heat, too.

A letterhead request brings you our 24-page catalog of the nation's largest collection of antique and contemporary designs.

Dept. 0309
P.O. Box 600
Paoli, PA 19301
(215) 296-7122

**THE
COUNTRY
IRON
FOUNDRY**

Number One in America

Klean- Strip



Quality products that really work.

KLEAN-STRIP, DIV. W.M. BARR & CO. • 1-800-238-2672

THE RETURN OF THE



BUNGALOW

Great concepts never die. That's why restoration of the American bungalow is a growing national movement. Only one magazine is devoted exclusively to bungalows, with "How-to" articles, restoration, history, furnishings and the Arts & Crafts style. Read it all in the quarterly American Bungalow. Six great issues for just \$29.95

To order call **1800 350 3363**



Quartersawn Clapboard Siding and Building Materials including Wide Pine and Hardwood Flooring

Quartersawing produces a vertical grain clapboard.

- Twists and warps less
- Wears more evenly
- Bonds paint and stain better

Also featuring...

Olympic Machinecoat™

Exterior Finish
for all types of siding.
Allows priming or finishing
prior to installation
with 15-year warranty:

- Crack, Peel and Flake Resistant
- Washable
- Non-Yellowing
- No Chalk Washdown

**Granville Manufacturing
Company, Inc. • Est. 1857**

Granville, Vermont 05747

802-767-4747

Call or Write for Free Brochure

Calcimine Ceiling Blues?



Try Sterling's Olde Yankee Towne ready-mixed Calci-Coater

- Seals old calcimine surfaces
- Succeeds where most paints fail
- Time tested answer for older buildings
- Topcoat with oil or latex paints
- May be tinted with oil or universal colors

For other old house restoration jobs, try:

- 5f5 non-flammable paint remover
- Old Time Linseed Oil Putty
- Sterling Elastic Glazing Compound
- Quik & Clear vinyl wood finish

For a restoration products brochure, write to:

OHJ Catalog
SCL Corporation, Box J
Malden, MA 02148



Authentic English Gas Coal Fires

THE ULTIMATE FIREPLACE EXPERIENCE IS NOW AVAILABLE IN AMERICA!

- Perfect for giving Historic Homes the authentic coal fire look and heat.
- Burns energy efficient natural gas or propane; easy installation and use.
- Elegant case iron grate craftsmanship.
- Many different styles and sizes to fit any chimney. Starting at 16" tapered.

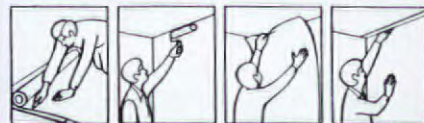


CALL OR WRITE FOR FREE COLOR BROCHURE:
P.O. Box 351 • Athens, Georgia 30603
(PH) 706/353-8281 (FAX) 706/353-8312

RESTORE CRACKED WALLS

- Vapor Barrier
- 1 Day Application
- Cost Effective
- Remove no trim

How to use the Nu-Wal System



1. Cut fiberglass mat 2" longer than height
2. Apply saturant to area to be covered
3. Apply fiberglass mat to wet surface
4. Trim excess mat where wall meets ceiling



5. Trim mat at baseboard and windows
6. Trim mat around outlets, switches, etc.
7. Apply second coat of saturant to wet mat
8. Apply 1st coat of saturant to adjacent area



9. Apply mat to 2nd area, overlapping by 1"
10. Cut down center of overlap (both layers)
11. Remove mat strips on both sides of cut
12. Apply 2nd coat of saturant (include seam)

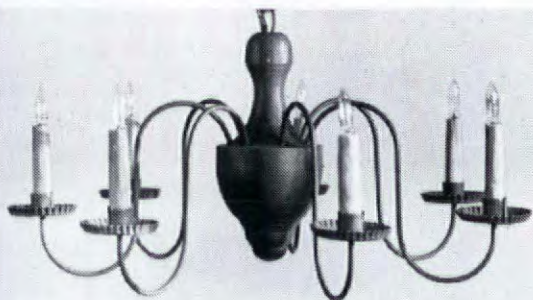
SPECIFICATION CHEMICALS, Inc.

824 Keeler St. Boone, IA 50036
800-247-3932



HANDCRAFTED

To The Drip On The Tapered Candles



Early American Lighting since 1938; chandeliers, copper lanterns, and wall sconces.

Knowledgeable collectors, Restorations and Museums have been buying our fine fixtures for over 30 years. A list is available on request. \$2.00 for catalog.

GATES MOORE

River Road, Dept OHJ
Silvermine Norwalk, Conn.
06850 • Tel. (203) 847-3231

Shades of '76



Make History Happen in Your Home
with Shades of '76 Alkyd Enamel
for Distinctive Interiors and Exteriors

Finnaren & Haley Paints—215-825-1900/1-800-843-9800
901 Washington St., Conshohocken, PA 19428



FINE DECORATIVE FINISHING TRAINING STUDIO

Take a different approach to complex, traditional finishing. FAUX EFFECTS offers classes in the field of decorative and faux finishing using the latest technology in methods and products.

FAUX EFFECTS WATERBORNE FINISHING SYSTEMS, developed from 30 years experience have been designed to make it easy for you.

TRULY PROFESSIONAL FINISHES for furniture and walls... from Olde World to Contemporary.

For information on WORKSHOPS or catalog of products available, call:

(407) 778-9044 / FAX 778-9653
Industry Foundation Member ASID

Whether You're a Professional or a Homeowner—
See How to Create Authentic Historic Exteriors
and Interiors at . . .

RESTORATION 93

December 6-8, 1993
Hynes Convention Center
Boston, Massachusetts

RESTORATION 93 will feature:

■ 250+ COMPANIES

Products and services for historic restoration and traditional arts/crafts like goldleafing, grain painting, metalworking, paperhanging.

■ LIVE DEMONSTRATIONS

The newest "Techniques and Technologies" for recreating and restoring exteriors, interiors, gardens and landscapes, collections.

■ TWO DISTINCT CONFERENCE PROGRAMS

Professionals and homeowners/collectors can learn from top experts how to:

- avoid mistakes often made in restoring and maintaining historic homes and collections
- find products and services to create historic ambience (even in kitchens and baths!)
- care for collections — from furniture and furnishings to art and artifacts.

■ BONUSES!

Register for the professional conference program and:

- get admission to the homeowner/collector track at no additional charge
- automatically receive an introductory membership to the Association for Preservation Technology International (APT)

Call, fax or write us today for more information:

RAI/EGI Exhibitions, Inc.
10 Tower Office Park, Woburn, MA 01801
tel 617/933-6663, fax 617/933-8744
For exhibitor information: 617/933-9699



Association for Preservation Technology
International is the official sponsor of
RESTORATION 93.



RESTORATION 93 is organized in
cooperation with Construction
Specifications Institute.



International Institute for Conservation of
Historic and Artistic Works is a
co-sponsor of RESTORATION 93.



American Society of Interior
Designers is the education
sponsor for RESTORATION 93.



The RESTORATION 93
conference is being organized
in cooperation with the
American Institute for
Conservation of Historic and
Artistic Works.



OUR COLLECTION OF SINGLE &
DOUBLE SCONCES & COMPATIBLE
CEILING LIGHTS IS AVAILABLE
IN TEN DIFFERENT COLORED
PATINAS, BRASS OR NICKEL.

FOR CATALOG SEND \$5.

OMEGA TOO

2204 San Pablo Avenue
Berkeley, CA 94702
510 843-3636



FUNCTIONAL ART



The Glenwood Baseburner 8, manufactured
in 1905, is one of the finest cylinder stoves
made. It can burn wood or coal and maintains
a fire for 10-16 hours. Its lines are timeless
making this stove a fine piece of functional art.
A definite must for the family that wants the
best in quality, artistry and efficiency. Other
models, various sizes available.

For more information call: (413) 268-3677
Stove Black Richardson

EMPORIUM Restoration Services

ARCHITECTURAL SERVICES— Architectural and preservation problem-solving for old buildings: Architectural services include restoration, conservation, replication and additions, building evaluation, analysis, technical assistance and trouble-shooting. Research and consultation are also available. Award-winning specialists in residences, churches and history museums. The Office of Allen Charles Hill, AIA, Historic Preservation & Architecture, 25 Englewood Road, Winchester, MA 01890, (617) 729-0748.

TILE-RELATED INFORMATION — The Tile Heritage Foundation, a national nonprofit organization, acts as an information and referral service for anyone seeking information about historic tiles, restoration, reproduction or design. For a free membership brochure or illustrated book list (\$2), contact Tile Heritage, P.O. Box 1850, Healdsburg, CA 95448, (707) 431-8453.

HISTORIC TILE RESTORATION— Damaged tile restored or replicated. Consultation, documentation, appraisals. Authentic reproduction of many American Art Tiles. Batchelder reproduction tiles, available stock including relief designs, flat and trim pieces for historic fireplace designs. Twelve authentic colors plus his elusive blue. Tile Restoration Center, 3511 Interlake North, Seattle, WA 98103, (206) 633-4866.

HONE WOODSTRIPPING AND REFINISHING, INC. — All architectural wood finishes expertly stripped and refinished, since 1983. New Jersey based - will travel. Free estimates, fully insured. Contact Jack Hone, 5 Spring Lane, Warren, NJ 07059, (908) 647-7120.

EXTERIOR COLOR SCHEMES — Custom-tailored color designs for your home or commercial buildings. Services are available nationwide

through mail order. We also teach "How To" seminars to groups. Nationally known and respected. Contact: The Color People, 1522 Blake Street # 300 Denver, CO 80202 (800) 541-7174, or fax (303) 388-8686.

RENOVATION AND PRESERVATION OF HISTORIC STRUCTURES — Specialists in architectural detail conservation: cleaning, consolidation, replacement of deteriorated elements. Conservation of stone (sculpture, portals, capitals, reliefs, gravestones), masonry, flat and ornamental plaster, stucco, graffiti, woodwork, decorative metalwork. Also complete interior restoration and murals and painting conservation. Polan Renovation, P.O. Box 281155, East Hartford, CT 06128-1155, (203) 289-7006.

GOLD LEAFING AND SPECIALTY PAINTING — of interior woodwork, plaster. Specialists in colonial-period vinegar finished, ultra-realistic Victorian graining & matching rare wood grain. Also translucent glazing, marbling, clouds; furniture decorating; children's rooms. Large portfolio. Decorator & architect references. Serving Northeast. Mulligan & Phillips, 55 Monroe Place, Bloomfield, NJ 07003, (201) 748-4680.

SOUTHWESTERN ARCHITECTURAL SPECIALIST— Emphasis on planning, design services for restoration and rehabilitation of Southwestern properties. Peter Looms Architect, Studio Sipapu, P.O. Box 5091, Taos, NM 87571, (507) 758-8810.

STRUCTURAL RESTORATION — Specialists in structural member replacement to Colonial timberframe. Homes, barns, grist mills and churches. We provide 23 years experience in jacking, squaring, sill replacement, interior and exterior restorations. Repair to structures damaged by natural disasters. Consulting services

available nationwide. George Yonnore Restorations, RD 2 West Center Rd., West Stockbridge, MA 01266 413 232-7060.

BUILDING PORTRAITS — Finely crafted watercolor facade drawings for your home or admired building taken from your photographs and/or drawings or plans. Contact Robert J. Leanna II, 41 Green Street, Newburyport, MA 01950, (508)465-1095.

PRESERVATION CONSULTANT — Problems with your historic building? Consulting for homeowners, architects, contractors and tradespeople on restoration of historic structures. Frequent OHJ contributor. Provides practical and economical solutions. John Leeke, RR1 Box 2947, Sanford, ME 04073. (207) 324-9597.

ANTIQUE ROOFING — Consulting slate & tile roof repairs, copper repair and fabrication, roof-related painting. Cedar shingles, ventilation for old roofs. Copper half-round gutters and down spouts. Will travel. Smith Slate & Tile Roofing, Chicago, IL. (312) 238-2113.

WALLPAPER RESTORATION — Re-adhere and retouch historic and scenic wallpaper, failing wallcoverings. Repair murals, faux finishes. New England area or will travel. Call for information or references. Jane Winsor (508) 283-4527.

This classified section is available to designers, consultants, contractors, and craftspeople offering restoration services. Rates are \$200 for the first 40 words, \$4.00 for each additional word. The deadline for inclusion is the 1st of the month 2 months prior to publication (January 1st for March/April issue). Submissions must be in writing accompanied by a check. Mail to: *Old-House Journal Restoration Services, The Blackburn Tavern, 2 Main Street, Gloucester, MA 01930*

Handcrafted Wooden Furniture and Storm-Screen Doors



- Large selection of storm-screen doors in standard and custom sizes.

- Victorian porch furniture & trim.
- Planters and benches.
- Home and garden accessories.

• Custom orders welcome!

For color catalog, send \$2.00 to:
The Old Wagon Factory
P.O. Box 1427, Dept. OJB3
Clarksville, VA 23927
(804) 374-5787



ARCHITECTURAL ANTIQUES



Large Inventory of Victorian Stained Glass

Marble & Wood Fireplaces

Urban Bronze Artifacts

Fine Marble Garden Urns & Fountains

Ornamental Iron

FRITZ V. STERBAK
INVESTMENT ANTIQUES
123 Market St.
Havre de Grace, MD 21078
410-939-1312

PAINT REMOVAL and SANDING TOOLS



- ECOLOGICALLY SAFE
- RESTORES OLD SHINGLES AND CLAPBOARDS TO LIKE-NEW CONDITION

S344 SANDER VAC™

HI-TECH IN YOUR HAND!

PAINT SHAVER™

STRIPS 1 SQ. FT. in 15 SEC.

- DUST-FREE SANDING
- INDOORS and OUTDOORS



AMERICAN INTERNATIONAL TOOL INDUSTRIES, INC.
1116-B Park Avenue • Cranston, Rhode Island 02910
(401) 942-7855 • 1-800-932-5872

MANUFACTURER'S PRICES

Elegance You Can Afford

FOR OVER HALF A CENTURY

Direct from King's, the Designers and Makers.

\$3.50 for 100-pg. illustrated catalog (1st class mail) of our ALL-crystal chandeliers; our genuine SWAROVSKY STRASS; our handsome, hand-polished brass and crystal (wired) Victorian gas reproductions. Satisfaction guaranteed.

KING'S CHANDELIER COMPANY

919-623-6188

PO Box 667 Dept OHJ-1193 Eden NC 27288



From the Heart of the South...
The BEST for Less\$

ANTIQUE HEART PINE FLOORING

T&G Floors • Stairparts • Doors
Cabinetry • Paneling

Custom milled from Antique Beams

EXPOSED BEAMS

Dry • Aged • Superb



ANTIQUE HEART CYPRESS

Custom Milled • Quality Guaranteed

Albany Woodworks

P. O. Box 729 • Albany, LA 70711 • 504/567-1155

We print our catalog for the AMISH



Victorian-style wood, gas or electric cookstoves

The world's largest Amish community (it's here in Ohio, not PA) relies on our 2,000 item catalog. Traditional Heartland cookstoves are a favorite: Old World craftsmanship, breathtaking nickel trim & functional roast-size ovens. Choose wood-fired (money-saving airtight design) or elegant electric or gas versions. Grain mills, oil lamps, cast cookware, crockery & 100's of items you had no idea were still available! It's guaranteed different from any other catalog you ever saw!

LEHMAN'S

Rush me your Amish country catalog. I am enclosing \$2.
Mail to: Lehman's Box 41, Dept. 1-JCG, Kidron, OH 44636

Name _____

Address _____

Zip _____

CUSTOM WOOD TURNINGS

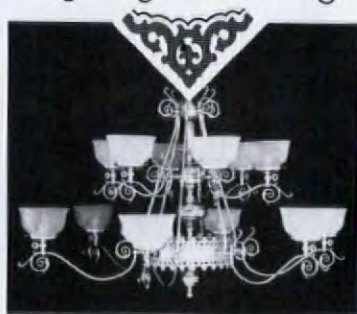
- Architectural Mouldings
- Balusters
- Newel posts
- Porch posts
- Columns
- Fluting
- Spiral rope twist
- Finials
- Furniture parts

- No minimum order
- Shipment coordination
- (72 page catalog \$5.50)



156 Main St., P.O. Box 338
Ivoryton, CT 06442
(203) 767-3236 Fax (203) 767-3238

Superb grace of design.



Send \$5 for our full color catalog.
(catalog fee refundable with order)

251 s. pennsylvania avenue
po box 469, centre hall, pa 16828
814-364-9577

*Victorian
Lighting
Works*



Restoration Glass will
change your view of history.



Why are architects specifying authentic Restoration Glass™? Because it's *imperfect*.

Each sheet is made by craftsmen, using the original cylinder method. Yet this glass easily meets today's building codes. And it's available in two levels of distortion.

Once you've seen the difference Restoration Glass makes, no true restoration will look authentic without it.

For details call toll-free 800-221-7379.

In New Jersey: 201-471-1733.

Fax: 201-471-3475.

S.A. Bendheim Co., Inc.

61 Willett Street

Passaic, NJ 07055.

Bendheim



PROFESSIONAL STRENGTH

Creosote Remover

Get fast, professional results even on tough built-up creosote glaze with Rutland's pre-mixed, heavy duty liquid creosote remover. It makes periodic chimney cleanings easier by catalytically converting troublesome flue choking creosote to harmless ash. Non-toxic and environmentally safe. Available nationwide in sprayer quarts and economical gallons.



RUTLAND

Fireplace Mortar in Cartridges A silicate refractory mortar that withstands 2000°F, for pointing fireboxes. In black, buff and gray.

Also try our Stove Polishes, Hi-heat Paints, Stove Gaskets, Cleaners, Sealants, and Cements. Write for free catalog.

Available at these and other fine hardware stores and home centers:



RUTLAND PRODUCTS P.O. Box 340
Rutland, VT 05702-0340

(802) 775-5519 FAX (802) 775-5262

Suppliers of fine STOVE & FIREPLACE Products since your grandfather was a boy.

Ace
Furnaces
Golden Rule
Hechinger
Hugh M. Woods
Knox Lumber
Lumberjack
Mills Feed Farm
Payless Cashway
Pro
Sentry
Servistar
and Fireplace Shops nationwide

Serv-U Stores
Suburbs
True-Value
Trustworthy
Val-Test

Plans for houses, cottages, additions, granny flats, garages, sheds, more.

All sizes: large, medium, small. All styles: Colonial to Contemporary.

Lots of plan and elevation options -- **FREE** with every blueprint set.

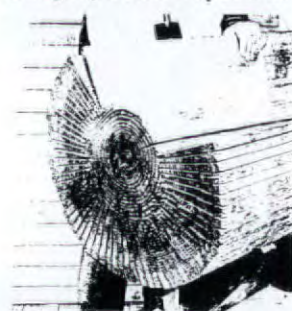


Call for our new catalog: **The Homestead Partners** 1.800.666.2196 \$8.95 + postage VISA/MC



The Ward Quartersawn Clapboard

Authentically Produced
Early American Clapboards



Over 100 years of continuous operation by the Ward family. Quartersawing produces a vertical grain which eliminates warping and accepts paint and stain easily for extended life and beauty. Spruce and pine. Widths from 4-1/2" to 6-1/2". Pre-staining available.

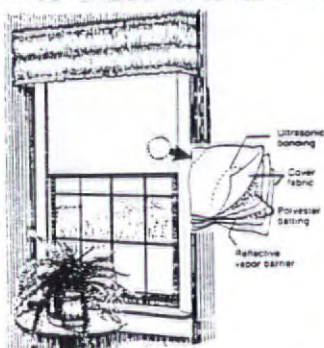
Ward Clapboard Mill

P.O. Box 1030
Waitsfield, VT 05673
Moretown, Vermont
(802) 496-3581

Patten, Maine
(207) 528-2933

Window Quilt® INSULATING SHADES

SAVE 80% OF THE
HEAT LOST
THROUGH WINDOWS



Even with storm or double-paned windows, you lose up to half of your heat through unprotected windows. Window Quilt cuts this heat loss by as much as 80%, so you save on heating and cooling costs.

For information, call or write
Window Quilt
PO Box 975, Brattleboro, VT
05302
(800) 257-4501

THE A, B, C's OF NATURAL VENTILATION
THE FAN MAN, INC.
Department OHJ • 1914 Abrams Parkway • Dallas, TX. 75214 (214) 826-7700
Send \$2 for brochure D

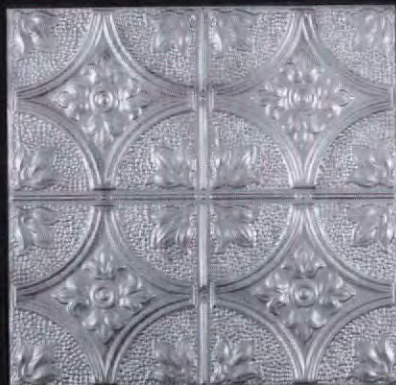
**Largest Selection of Antique American Oak
and Victorian Furniture in New England**

Custom made
Current inventory
on video tape \$25,
413-527-1022

**SOUTHAMPTON'S
ANTIQUES**
MEG AND BRUCE CUMMINGS

Rt. 10, Southamptons, MA 01073
Thu., Fri., Sat. 10-5; Sun. 12-5 Closed August
Directions: Exit 3 off Mass Pike (1-90),
7 miles north on Rt. 10.

Bring Back The 1890s In The 1990s



TIN CEILINGS

**ORIGINAL DESIGNS
VICTORIAN-ART DECO**

Send \$1.00 for Catalog to:

CHELSEA DECORATIVE METAL CO.
9603 Moonlight Dr., Dept. 093
Houston, Texas 77096

Questions: 713-721-9200

2' X 4' Sheets For Easy Handling
Shipped Anywhere

A Collection of Complete Building Plans

COUNTRY DESIGNS

BARNs, SHEDs, GARAGEs, STUDIO COTTAGEs, GARAGE APARTMENTs, VACATION HOUSEs
also other accessory buildings and a folio of period fences.

SEND \$6.00 FOR CATALOG TO: COUNTRY DESIGNS, BOX 774J, ESSEX, CT 06426

AHRENS®

**Relines/Restores
Masonry Chimneys**

With The **ONLY** Listed Two-Liner Cast-In-Place Masonry Process

- First insulates and strengthens
- Second seals and protects
- Both are immune to acids and moisture
- No guess work. Mechanically applied.
- No exterior alterations.
- No metal to corrode.
- Improves heating efficiency — All for a fraction of the cost of rebuilding!

AHRENS chimney technique

UL LISTED

Dealership network nationwide.
Call or write for more information:
2000 Industrial Ave.
Sioux Falls, SD 57104
1-800-843-4417

Building Components

1. Traditional Wood Columns — From 4" to 50" diameter, up to 35' long. Matching pilasters and 6 styles of capitals. Ventilated aluminum plinth and column bases. Custom work done. Free catalog. Schwerds Manufacturing.

73. Restoration Glass — Imperfect glass is perfect for restoration work. Each sheet is made by using the original cylinder method. Free brochure. Bendheim Glass.

98. Non-Rotting Lattice — PVC lattice. It looks like wood (no fake wood grain), comes in 11 colors, and can be cut, nailed, and installed like wood. Free color brochure. Cross VINYLattice.

125. Architectural Roofing Tiles — Tile roofs get better with age, never need maintenance, can't burn, and can last 50-125 years. Free color catalog. Vande Hey Raleigh.

242. Classic Columns — For porches and pure decoration: Doric, Ionic, and Corinthian columns sculpted from Ponderosa pine with exquisite craftsmanship. Many sizes and shapes available. Catalog, \$3.25. Chadsworth Columns.

387. Quartersawn Clapboard — Vertical grain clapboard which eliminates cupping and warping. Accepts paint and stain extremely well. True representations of Colonial architecture. Free brochure. Granville Manufacturing.

392. Heart Pine Flooring — Specializing in reasonably priced heart pine lumber since 1972. Plank flooring, over 150 years old, is also available. Free brochure. Vintage Pine Company.

401. Cedar Shutters — Clear, old growth western red cedar shutters will outlast pine and plastic. Five traditional styles in both standard and custom sizes. Brochure, \$3.25. Vixen Hill.

414. Hydronic Heater — Floor-to-ceiling warmth. Portable or permanent baseboard installation. Comes pre-assembled with lifetime service warrantee. Free information. Hydro-Sil.

438. Quartersawn Clapboard — The Ward family has operated this mill for over 100 years. Vertical grain clapboard eliminates warping for extended life. Free brochure. Ward Clapboard Mill.

492. Design Portfolio — Full-page drawings with descriptions of custom crafted traditional kitchens, and a color brochure featuring on-location photographs of Kennebec kitchens, \$10.25. The Kennebec Company.

517. Flooring — Antique pine and American hardwood flooring. Stair parts, cabinetry, paneling, antique beams. Many species of woods available. Brochure, \$1.25. Albany Woodworks.

527. Antique Flooring — Antique wide pine flooring. Antique oak and chestnut

are also available. Lengths up to 18', widths up to 14". Free brochure. North Fields Restorations.

631. Heart Pine Flooring — Premier flooring manufactured from antique heart pine timbers. Catalog, \$15.25. J.L. Powell & Co. Inc.

663. English Coal Fire — Now you can experience an authentic English gas coal fire. Most fire openings can be satisfied. Free literature. Grate Fires Inc.

675. Wall Restoration — Repair cracked plaster walls and ceilings. Costs less than drywall over plaster, gutting, or skim coating. Installs easier than wallpaper; no need to remove woodwork. Stops air infiltration and creates a vapor barrier. Free video. Specification Chemicals Inc.

679. Custom Cabinetry — Fine quality, all-wood custom cabinetry. Shaker, Colonial, Victorian, and country styles are all available in different finishes. Free detailed full-color brochure. Crown Point Cabinetry.

682. Custom House Plans — Plans for houses, additions, granny flats, garages, sheds, and more. All sizes. All American architectural styles: Colonial to Contemporary. Lots of plan and elevation options plus master plan options, free with every affordable blueprint set. \$10.75 catalog. The Homestead Partners.

684. Fiberglass Columns — Choose from a variety of sizes for structural support or decoration. Columns are ready to prime and paint, light weight, fire and impact resistant and impervious to insects. Job site delivery. Free flier. Chadworth Columns.

Decorative Materials

20. Tin Ceilings — 22 original Victorian and Art deco tin ceiling patterns. Several patterns available by special order in brass and/or copper. Cornices, pre-cut miters, and center medallions are available. Brochure, \$1.25. AA Abbingdon Affiliates.

26. Push-Button Switches — Quality reproductions of push-button light switches. Switch plates in plain brass or ornamented. Brochure, \$1.25. Classic Accents.

27. Victorian Roomset Wallpapers — Victorian wallpapers that you can combine in infinite variations. Neo-Grec; Anglo-Japanese; Aesthetic Movement. Superb catalog, \$10.25. Bradbury & Bradbury.

47. Tin Ceilings — 22 patterns of tin ceilings ideal for Victorian homes and commercial interiors. Patterns from Victorian to Art Deco. 2'x4' sheets available. Cornices available in 4' lengths. Brochure, \$1.25. Chelsea Decorative Metal.

128. Tin Ceilings — Ornamented metal ceilings in turn-of-the-century patterns using original dies. Center plates, borders, corner plates, cornice, and filler plates included.

Catalog, \$3.25. W.F. Norman Corp.

Doors & Windows

9. Replacement Wood Windows — 16-page booklet tells what to look for in a replacement window, and how to install it. Get a thermally efficient genuine wood window in almost any size and historic shape. Marvin Windows.

16. Wood Sash — Any size and shape: divided lite, round top, curved, double-hung, fixed, casement, or storm sash. Insulated glass, shutters, screen doors, and trim. Illustrated brochure, \$2.25. Midwest Architectural Wood Products.

32. Wooden Screen & Storm Doors — These doors have period look and are more thermally efficient than aluminum doors. Several styles and all sizes available. Catalog, \$2.25. Old Wagon Factory.

53. Wooden Screen Doors — Blending function, fine craftsmanship, and styling. Dozens of innovative styles ranging from the classic design to highly ornamental. Catalog, \$3.25. Oregon Wooden Screen Door.

194. Specialty Wood Windows — Palladians, straight, and fan transoms. Single-, double-, or triple-glazed. Solid wood entry doors with insulating core also available. Brochure, \$3.25. Woodstone Company.

354. Windows & Patio Doors — Full-color booklet providing information on creating custom combinations and patio doors, energy facts, planning a project, choosing a contractor, and basic size charts. A complete resource on windows and patio doors, free. Andersen Windows.

582. The Window Quilt™ — Save 80% of heat loss through windows and sliding glass doors. Quadruples insulation value of single-pane windows. Triples insulation value of double-pane windows. Free literature. Appropriate Technology Corp.

Finishes & Tools

31. Rotted Wood Restoration — 2-part epoxy system restores rotted wood, so you can save historically significant and hard-to-duplicate pieces. Repairs can be sawn, drilled, sanded, and painted. Free brochure. Abatron.

365. Fireplace Repair — Offering a full line of chimney and fireplace maintenance and repair products for over 100 years. Gaskets, cleaners, caulking, patching, and specialty paint products. Free catalog. Rutland Products.

439. Molder-Planer — Restore old houses with the versatile W7 Series Molder-Planer. Reproduce railings, sashes, crowns, rails, window and door stops, and curved

THE STOKER

A unique fireplace tool



- Solid brass
- Elegantly designed

Simply poke your smoldering fire, then stoke to a blaze. You have just found that "hard to find" gift!

Buy direct at
only \$65.00
(plus \$6.50 S&H)



Call 800-693-2761
or send check to:

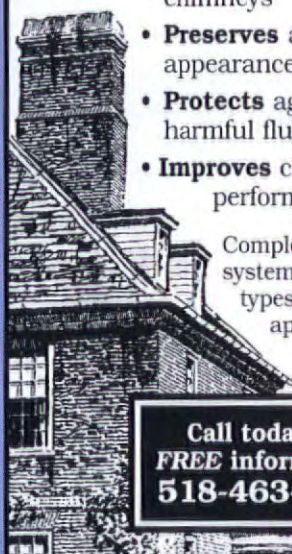
Stoker, Inc.
145 Grove Street
Peterborough, NH 03458-1755

VENTINOX Liners

Save Chimneys!

...and provide safe, reliable venting for gas, oil and wood.

- **Restores** deteriorated chimneys
- **Preserves** aesthetic appearance
- **Protects** against harmful flue gases
- **Improves** chimney performance



Complete lining systems for all types of heating appliances & fireplaces.

Call today for
FREE information!
518-463-7284

ProTech Systems, Inc.
26 Gansevoort St., Albany, NY 12202
Leaders In Chimney Technology

the Original **CROSS** VINYLattice



Never Needs Painting
Lasts For Decades
Maintenance-Free

For more information call
1 800 521-9878



*Custom Manufacturers of
Heart-of-Pine Flooring & Architectural Elements*

*Competitively Priced / Random Widths and Lengths Up To 25' / Tongue and Grooved
Choice of Thickness / Custom Milling / Free Brochure Upon Request*

(804) 574-6531 / P.O. Box 85, Prospect, VA 23960

THE SPECIALIST IN 150-YEAR-OLD HEART-OF-PINE LUMBER SINCE 1972

Smith-Cornell impressions



We specialize in:

- Sand cast plaques in Bronze & Aluminum
- GraphicsPlus-Smooth Surface Plaques and Markers
- Combination of cast with a GraphicsPlus insert
- OldStandard National Register Plaques

Call or write for a:

- **FREE** brochure
- **FREE** quote

S.C

1545 Holland Rd. • Suite O
Maumee, Ohio 43537
419-891-4335 • 800-325-0248

Exact Reproductions of OLD COLONIAL HOUSES



"OLD COLONIAL HOUSES" — A portfolio of thirty-two colonial plans of exact reproduction houses has now a companion booklet "Old Cape Cod and other Colonials," a collection of twenty-four sketches and floor plans. The booklets show floor plans and elevations of colonial houses that have been faithfully and accurately reproduced on the exterior to shapes and sizes of the originals built in the 17th and 18th century. The interiors have been up-dated to conform to our present day living needs and are not necessarily similar to the originals. Many small interior sketches are shown suggesting interior fire place walls, stairs, etc. All plans can be treated in the colonial manner, i.e. exposed beams, wide floor boards, paneled walls, etc. Building plans are available for all of these true authentic colonial designs and are sent first class mail for early arrival.

Reply to: **E. POLLITT, 61 Vista Dr.
Easton, Ct. 06612**

Old Cape Cod & other Colonials (24) \$5.00 ☐

Old Colonial Houses (32) \$5.50 ☐

Name

Street

City State Zip

molding with chatter free finishes. Free information kit. Williams & Hussey.

539. Refinishing Products — Manufacturer of paint strippers, clear finishes, lacquers, sanding sealers, caulking compounds, linseed oil putty, glazing compounds. Free information. Sterling-Clark-Lurton, Corp.

589. Mildew-Proof Paint — Low-odor, water-based paint that withstands humidity, prevents blistering and peeling. Provides a decorative, washable, and scrubable finish, in satin or semi-gloss. Free application booklet. William Zinsser & Co., Inc.

595. Rock-Hard Putty — Ideal for repairing walls, woodwork, and plaster. It can be sawed, chiseled, polished, colored, and molded. It stays put and will not shrink. Free literature. Donald Durham Company.

611. Paint Shaver™ — This patented, ecologically-safe power tool strips paint from shingles and clapboards. The dust collector allows encapsulation of debris for retrieval. Free literature. American-International Tool Ind., Inc.

615. Dust-Free Sanding — Vacuum system HEPA filter. Available with the Random Orbit sander, half-sheet finish sanders, rotary sanders, and the triangular sander. Free color brochure. Fein Power Tools Inc.

646. Historic Paints — Ready-mixed line of Shades of '76. Interior/exterior Victorian colors & Authentic Colors of Historic Philadelphia. Catalog \$2.25. Finnaren & Haley Inc.

672. Old Fashioned Appliances — Victorian style cook stoves & gas refrigerators, slater's & blacksmith's tools, 19th century style hayforks & appleparers. Catalog \$2.25. Lehman Hardware.

674. Victorian Paint Colors — Historic interior and exterior paints. Line includes 70 hues representing the Cape May Victorian Color presentation. Free literature. Fuller-O'Brien Paints.

680. Professional Finishes — Waterborne finishing systems and products for walls and furniture from old world to contemporary. Offering workshop training. Free literature. Faux Effects, Inc.

Furnishings

221. Restored Antique Fans — Restoring and selling of antique fans and parts. Large changing inventory. The proprietor wrote a book on the history of fans. Detailed brochure, \$2.25. The Fan Man.

640. Brass Beds — Manufacturers of high quality, heirloom, solid brass beds with baked on epoxy enamel finish. Many Victorian styles. Repair and restoration of antique beds, custom work, bar rails. Catalog, \$6.25. Investment Antiques & Collectibles.

683. Stoves & Fireplaces — Low cost,

high heat efficiency stoves. Clean burning wood, pellet, and gas stoves and fireplaces in a range of colors. Free Buyer's Guide. Vermont Castings.

Lighting Fixtures

4. Victorian Lighting Fixtures — Authentic reproduction Victorian and turn-of-the-century electric and gas chandeliers and wall brackets. Solid brass with a variety of glass shades. Catalog, \$5.25. Victorian Lighting Works.

10. Craftsman Lighting — Reproduction craftsman chandeliers and sconces fit right into any bungalow, mission, foursquare, or traditional home. Fixtures in solid brass or cast iron. Free catalog. Rejuvenation Lamp & Fixture Co.

11. Victorian & Turn of Century Lighting — Recreating fine period lighting of the 19th & 20th Century Americana. New large color catalog includes sconces, fixtures & glass shades. Free. Roy Electric Co.

21. Mission-Style Lighting — New Arts & Crafts (Mission/Prairie) lighting fixtures blend with all historic periods. Solid brass with polished or antique finish. Sconces and chandeliers in 10 designs. Catalog, \$3.25. Brass Light Gallery.

159. Custom Brasswork — Featuring lighting, hardware, railings, and much more. Custom fabrication, repair and refinishing, and brass and copper antiques. Brochure \$1.25. Conant Custom Brass.

330. Cast Aluminum Street Lamps — A large selection of cast aluminum street lamps and mailboxes. Quality lighting at affordable prices. Free brochure. Brandon Industries.

334. Gorgeous Chandeliers & Sconces — Original designs of all-crystal, using genuine Strass. Solid brass and venetian crystal reproductions of Victorian gas styles (wired). Manufacturers prices. Catalog, \$3.75. King's Chandelier Company.

400. Lighting Fixtures — Architectural ornaments and antiques dating from 1880 through 1930. Stock reproduction iron spiral staircases as well as lighting fixtures. Free brochure. Urban Archaeology.

560. Early-American Lighting — Reproduction fixtures such as wall sconces, chandeliers, copper lanterns, and hall fixtures. Everything is handmade. Catalog, \$2.25. Gates Moore Lighting.

Metalwork

30. Historic Markers — Proclaim your home's age with a cast bronze or aluminum marker. Manufacturers of plaques for National Register, American Buildings Survey, and custom work. Free catalog.

Smith-Cornell.

55. Custom-Made Plaques — Historic markers for indoor or outdoor use. Standard solid bronze cast plaques, 7" x 10", are \$90 plus shipping. Other dimensions and styles available. Free brochure. Erie Landmark.

122. Ornamental Iron Fencing — Ornamental fences and gates are custom made. Matching of old fences is available using authentic Victorian patterns and castings. Catalog, \$2.25. Stewart Iron Works.

307. Fireplace Firebacks — Large collection of antique replica firebacks. Authentic cast-iron plates make fireplaces safer, more efficient and more beautiful. Catalog, \$2.25. Country Iron Foundry.

659. Grilles & Registers — Manufacturers of a complete line of elegant cast brass and traditional cast iron decorative grilles & registers. Color catalog \$1.25. Reggio Register Company.

Millwork & Ornament

44. Victorian Millwork — 19th-century designs in solid oak and poplar: fretwork, brackets, corbels, grilles, turnings, and gingerbread precision manufactured. Color catalog, \$4.75. Cumberland Woodcraft.

101. Shutters & Blinds — Colonial wooden blinds, movable louver, and raised-panel shutters. All custom-made. Pine or cedar, painted or stained to match any color. Free brochure. Devenco Louver Products.

294. Plaster Ornament — Ornaments of fiber-reinforced plaster. They do restoration work and can reproduce existing pieces if a good example is supplied. Complete catalog of 1500 items, \$10.25. Fischer & Jirouch.

518. Custom Turnings — Newel posts, porch posts, column bases, fluting, spiral rope twist, etc. Custom orders. Catalog, \$5.75. Custom Wood Turnings.

647. Custom Shutters — Moveable louver, raised panel, fixed louver exterior plantation, traditional, raised panel interiors white pine or oak, finished or unfinished. Hinges & holdbacks. Catalog \$1.25. The Shutter Depot.

651. Custom Millwork — Serving architects, designers, builders, & home owners nationwide. Custom specialties include spiral stairs, doors, bookcases & panel work. Catalog, \$5.25. American Custom Millwork, Inc.

Plumbing & Hardware

18. Victorian Hardware — 18th- and 19th-century reproduction hardware for doors, windows, shutters, cabinets, and furniture.

WOOD REPAIR



Durham's Rock Hard Water Putty can handle many kinds of repair needs. It can be sawed, chiseled, polished, colored, and molded. It sticks and stays put, will not shrink. It fills cracks, crevices, joints, knots, and nail holes.



It permanently adheres in wood, plaster, and tile. Ideal for use by woodworkers, painters, electricians, and carpenters. Available through hardware, lumber and building material dealers, and paint distributors from coast to coast.

DONALD DURHAM CO.
Box 804-HJ ■ Des Moines, Iowa 50304

Push Button Light Switches

DIMMER & SINGLE & 3-WAY



**SOLID BRASS
COVERS**

- * DECORATIVE
- * PLAIN
- * CHROME
- * BROWN
- * IVORY
- * OAK

For Catalog Send \$1.50 to:

Classic Accents
P.O. Box 1181 • Dept. OH
Southgate, MI 48195
(313) 282-5525



AUTHENTIC
PERIOD WOODEN BLINDS
Movable Louver Shutters
OLD FASHION
WOODEN PORCH SHADES
CUSTOM MANUFACTURED

Call or write for free brochure
and cost schedule

DEVENCO PRODUCTS
120F Waller Mill Rd. Ste. 240 Dept. OHJ-1293
Williamsburg, VA 23185
1-800-888-4597



PLAN #HB-01

DETAIL PLANS
for **WOODWORKERS**
Mantels, Newel Posts,
Panelings, Ceiling Details
Columns, Overdoors, More

Free brochure
ARCADESIGN

P.O. Box 207
Startup, Wa. 98293
Fax: 206-882-0654

HANDSOMELY CRAFTED WOODEN SCREEN DOORS

Whether your home is on the Historical Register, or still on the drawing board, **Oregon Wooden Screen Door Company** has a variety of screen doors and energy-efficient storm doors suited to you.

Designed for interior as well as exterior use, each door component is constructed using the finest materials and joined with wooden pegs and glue (no nails).

For complete information and styles available, send \$3 (refundable with Purchase) for our catalogue.
Oregon Wooden Screen Door Company
Dept. OHJ, 2767 Harris, Eugene, OR 97405



Oregon
Wooden Screen Door
company

Custom Wood Turning

Authentic Replications • Prompt, Quality Service • Will Work From Drawings or Samples
Porch Turnings • Stairway Turnings • Balusters • Newels • Spindles
Lengths To 12 Feet • Call For FREE Brochure

CinderWhit & Company
P.O. Box 843 • Wahpeton, ND 58074
Ph. 701-642-9064 • Fax 701-642-4204





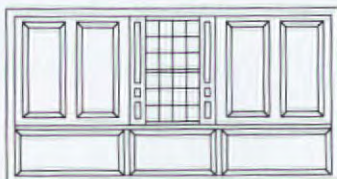
LOG HOUSES. . . and other
18th & 19th century building
materials salvaged from
old houses, grist mills, and
barns:

- hand hewn logs •
- flooring •
- windows •
- doors •
- hardware •

Sylvan Brandt

653 Main Street Lititz, PA 17543
(717) 626-4520
Fax: (717) 626-5867

Maple Grove Restorations



Interior Raised Panel Shutters
Raised Panel Walls
Wainscoting

P.O. Box 9194 Bolton, CT 06043-9194
(203) 742-5432

Color Brochure: \$2.00

**HANDCRAFTED
MAHOGANY
SCREEN-STORM DOORS**
Styles include Victorian & Country
SEND \$2.00 FOR CATALOG TO:
Touchstone Woodworks
DEPT OHJ PO BOX 112
RAVENNA OH 44266
(216) 297-1313

100% COTTON SHOWER CURTAIN

Don't "dump" another plastic shower curtain! Tightly woven 100% cotton duck gets wet, but water stays in the tub. No liner necessary. Machine washable! No more grimy, sticky vinyl. Rust-proof grommets. White or Natural, \$35 + \$3.75 shipping. Send check or money order to:



Atlantic Recycled Paper Co./NOPE
P.O. Box 39179
Baltimore, MD 21212
nope. For VISA/MC orders
call 1-800-323-2811
Call/write for FREE CATALOG
of recycled paper products
non-polluting enterprises



The Brickyard

P.O. Box A
Harrisonville, MO 64701

Build With Pieces of History

Now available in very limited quantities—Authentic decades-old unused clinker brick. Due to changes in brick manufacture, when these are gone there won't be any more. Write for free literature or send \$10.00 for price list, color photos and sample brick. Also available—wire cut solid brick.

Plaster Washers



Now you can save and restore
your plaster ceilings and walls
for just pennies.



Charles St. Supply Co.
54 Charles Street
Boston Ma. 02114



Call: (617) 367-9046
or (800) 382 4360
Low prices - Fast delivery

Call in your order today!
Orders shipped within 24 hours
Next day delivery available
VISA and MasterCard accepted
10 doz. for \$10 - 21 doz. for \$20
Complete starter kits \$15.00 & up.

Classic Cookstoves
Traditional appeal with
state-of-the-art features.
30" and 48" stoves available
in gas, electric and
woodburning models.
Send \$2.00 for a full
colour catalogue and
location of your nearest
Heartland Dealer.
**Heartland
Appliances Inc.**
Heartland Appliances, 5 Hoffman St., Dept. 16
Kitchener, Ont. N2M 3M5
(519) 743-8111 Fax (519) 743-1665

Victorian Gingerbread

GREAT FOR THE COUNTRY LOOK!
Prompt Shipment Satisfaction Guaranteed
ILLUSTRATED CATALOG
by return mail \$2.
Solid Wood/Use In or Out
Buy Direct & Save!
Hwy. 34 South • Box R, #2489
Quinlan, TX 75744

The Original D.I.Y. Shutter™
BUILD YOUR VERY OWN AUTHENTIC
MORTISE & TENON
SHUTTER!
With our Do-It-Yourself
kits, traditional shutters
are easy to assemble and
will save you 30-50%.
For details Send \$1 to:
Kestrel D.I.Y. Shutters,
28 West Main Street
Elverson, PA 19520
or call us: (215) 286-5341
Ideal for Replacement Shutters!

Van Dyke's
HUGE
SELECTION!
BRASS
Reproduction
Hardware
and
Wood Carvings!
For all renovation projects!
SEND \$1.00 FOR CATALOG TO:
VAN DYKE'S RESTORERS
Dept. D90, P.O. Box 278, Woonsocket, SD 57385

Plus high-security locks with period appearance 108-page catalog, \$5.25. Ball & Ball.

110. Bathroom Fixtures — A wide variety of antique and reproduction plumbing, tubs, porcelain faucets and handles, pedestal sinks, high-tank toilets, and shower enclosures. Catalog, \$6.25. Mac The Antique Plumber.

193. Bathroom Fixtures — Turn-of-the-century and country bath decor: brass, porcelain, and oak furnishings, both reproduction and antique. Complete catalog, \$3.25. Bathroom Machineries.

269. Bathroom Fixtures — Clawfoot tubs, free-standing vitreous china pedestal sinks, pull-chain toilets, chicago faucets, towel bars, etc. Catalog, Free. Sunrise Specialty.

302. Restoration Hardware — Over 1000 different brass items for houses and furniture. Plumbing, lighting, wall and ceiling coverings, tin ceilings, and more. Wholesale/Retail. Catalog and 1-year mailings, \$5.50. Hardware+Plus.

303. Fancy Plumbing Fixtures — Hard-to-find fixtures: pedestal lavatories, Victorian-style washstands, drop-in-basins. Plumbing hardware and accessories, fireplace mantels, lighting fixtures, and much more. Catalog, \$5.00. Ole Fashion Things.

397. Hard-To-Find-Hardware — Suppliers of scarce decorative hardware for doors, windows, furniture, and cabinets since 1916. Knobs, hinges, pulls, and fasteners available. All periods from 16th century through the 1930s. 227-page catalog. \$6.75. Crown City Hardware.

538. Fixtures & Accessories — Bathroom fixtures and accessories such as door, window, and cabinet hardware. Lighting fixtures also. Free Catalog. Renovator's Supply.

657. Salvage — Antique & reproduction items from lighting fixtures & tubs to mantels & doors. Free literature. Ohmega Salvage.

690. Faucets And Fixtures — Specializing in pre World War II faucets and fixtures. High quality reproductions as well as restoration of original faucets. Custom work welcome. Literature \$5.25. The Sink Factory.

Restoration Supplies & Services

5. Pigeon Control — Get rid of pigeons and other birds with inconspicuous stainless steel needles that eliminate roosting places without harming your building. Free brochure. Nixalite of America.

23. Chimney Flue Liner — Poured-in-place, 2-liner system. No mess, one day process. First liner strengthens and insulates; second liner seals and protects. UL Listed. Nationwide. Free catalog. Ahren's Chimney Technique.

35. Plaster Washers — These inexpensive washers can resecure loose ceilings and walls. Starter packet of 3 doz. washers with

instructions, \$4.75. Charles Street Supply.

38. Chimney Liner — Ventinox continuously welded liner connects chimney-top to heat source without joints or breaks. Reduces condensation, increases heating efficiency, improves safety. Free catalog. Protech Systems, Inc.

113. Chimney Liner — System seals, relines, and rebuilds chimneys from inside out with poured refractory materials. Especially effective for chimneys with bends and offsets. Free brochure. National Supafu Systems.

312. Chimney Sweeps — Maintenance, repair and restoration services. Cleaning, internal video inspections, dampers, caps, stainless steel and Ahren "cast-in-place" linings. Free literature. Certified Chimney Contractors.

565. Chimney Liners — Lifetime warranted, flexible chimney relining pipe. UL listed, safe in real-world applications. Constructed of 4 interlocked layers of the finest certified 304-stainless steel. Free brochure. HomeSaver Chimney Liners.

585. Building Repair Products — Manufacturers of interior and exterior priming,

patching, and sealing products. Free literature. Tuff-Kote Company, Inc.

650. Practical Ideas — For craftsman houses, bungalows and arts & crafts enthusiasts. New magazine for restoring & enjoying your home. Sample copy of 4-color issue, \$4.75. American Bungalow Magazine.

664. Solvents, Paint Removers & Paint Thinners — A wide variety of paint strippers to choose the product & features best for your job. Free booklet. Klean Strip.

678. Kitchen Design Kit — Design like a professional. Includes everything you need for complete kitchen planning: Easy-to-follow instructions, decorating ideas, layout tools and specification brochures. \$8.25 Design and Planning Kit. Merillat Industries.

688. Floor Plans for Colonial Homes — Offering floor plans and elevations of Colonial homes reproduced to shapes and sizes of the originals built in the 17th and 18th century. Building plans \$5.25. Evan Pollitt.

689. Radiant Heating Systems — Quiet, comfortable radiant heat. They carry the only UL listed, hydronic radiant piping system. Free literature. Heatway Systems.

LITERATURE REQUEST FORM

Circle the numbers of the items you want, and enclose \$3 for processing. We'll forward your request to the appropriate companies. They will mail the literature directly to you ... which should arrive 30 to 60 days from receipt of your request. Price of literature, if any, follows the number. Your check, including the \$3 processing fee should be made out to OLD-HOUSE JOURNAL.

1. Free	44. \$4.75	294. \$10.25	517. \$1.25	651. \$5.25
4. \$5.25	47. \$1.25	302. \$5.50	518. \$5.75	657. Free
5. Free	53. \$3.25	303. \$5.00	527. Free	659. \$1.25
9. Free	55. Free	307. \$2.25	538. Free	663. Free
10. Free	73. Free	312. Free	539. Free	664. Free
11. Free	98. Free	330. Free	560. \$2.25	672. \$2.25
16. \$2.25	101. Free	334. \$3.75	565. Free	674. Free
18. \$5.25	110. \$6.25	354. Free	582. Free	675. Free
20. \$1.25	113. Free	365. Free	585. Free	678. \$8.25
21. \$3.25	122. \$2.25	387. Free	589. Free	679. Free
23. Free	125. Free	392. Free	595. Free	680. Free
26. \$1.25	128. \$3.25	397. \$6.75	611. Free	682. \$10.75
27. \$10.25	159. \$1.25	400. Free	615. Free	683. Free
30. Free	193. \$3.25	401. \$3.25	631. \$15.25	684. Free
31. Free	194. \$3.25	414. Free	640. \$6.25	688. \$5.25
32. \$2.25	221. \$2.25	438. Free	646. \$2.25	689. Free
35. \$4.75	242. \$3.25	439. Free	647. \$1.25	690. \$5.25
38. Free	269. Free	492. \$10.25	650. \$4.75	

Name _____ Total \$ _____
 Company _____ P & H \$ 3.00
 Address _____
 City _____ ST _____ Zip _____ Total Enclosed \$ _____
 Phone _____

Mail to: Old-House Journal, Products Network, 2 Main St., Gloucester, MA 01930
 This card must be mailed before March 31, 1994

9322

VIXEN HILL GAZEBOS



Discover our wide selection of architecturally authentic gazebos, pre-engineered for easy assembly by the non-carpenter. Send \$3 for our 20-page color catalog. Vixen Hill, Dept. OHJ-3, Elverson, PA 19520. 215-286-0909.

ELEGANT, SOLID BRASS Stair Rods

Holds Stairway Carpet in Place
Large 3/8" x 30" Polished Brass Rods

Ball, Urn or
Pineapple Finials

Set of 13 \$137⁰⁰ ppd.

Includes Rods, Finials & Fasteners
Singles \$12.00/Ea. MC, VISA, CK.

Easy, Fast Installation
Custom Lengths

(814) 887-6032

HERITAGE BRASS CO.

5 Long St., Smethport, PA 16749

ALUMINUM PRODUCTS

Custom Fabrication

CORNICES

LOUVERS

CUPOLAS

COLUMNS

BALUSTRADES

SHUTTERS

URNS & BALLS

Baked on finishes available

call or write

CAMPBELLVILLE INDUSTRIES, INC.

P.O. Box 278, Dept. OHJ
Campbellsville, KY 42718
502-465-8135



Period
details
STUDIO

DECORATIVE PAINTING CATALOG

Brushes • Sponges • Feathers
Tools for faux finishing,
marbleizing, wood graining
and stenciling.

3516 Cadiuex Rd.
Detroit, MI 48224
Fax (313) 885-6578

Catalog \$2.00
Full refund upon purchase

Custom Turning Service

we turn:

Porch, Stairway
& Furniture Parts

FREE BROCHURE
FREE QUOTES

National Decks, Inc.
P.O. Box 722
Andover, NY 14806
FAX 607-478-5253
1-800-437-8876



EXTERIOR SHUTTERS



Affordable
Shipped Anywhere
Cedar and Pine
Moveable Louvers, fixed
louvers or raised panel.
Custom-made arches.
Unfinished or painted in
the brand & color of
your choice.
Hinges and Holdbacks

Brochure, call or write:

SHUTTERCRAFT, 282 Stepstone Hill
Guilford, CT 06437 (203) 453-1973

ANTIQUE HEART PINE FLOORING

re-milled from heavy timbers
\$450/sq. ft.

SHUTTER DEPOT
Rt. 2 Box 157,
Greenville, GA 30222
(706) 672-1214
Call mill for availability.

CURTAINS UP™



A distinctive range of quality
decorative drapery accessories...

2709 South Park Rd.
Louisville, Kentucky 40219-3645

(502) 969-1464
FAX: 502-969-1702
1-800-824-4777

"100 YEARS BEHIND THE TIMES"



ANTHONY

WOOD PRODUCTS

Gable Trim
Fretwork
Brackets
Corbels

Porch Posts
Newel Posts
Balusters
Finials

1979

1993

Box 1081T

Hillsboro TX 76645

817/582-7225

Illustrated Catalog Available - \$2.00

Statement of Ownership, Management, and Circulation (act of August 12, 1970: Section 368B, Title 39, United States Code). 1. A. Title of publication: Old-House Journal. B. Publication #: 0001-078. 2. Date of filing: October 1, 1993. Frequency of issue: Bi-monthly. A. Number of issues published annually: 6. B. Annual subscription price: \$24. 4. Location of known office of publication: 2 Main Street, Gloucester, MA 01930. 5. Location of the headquarters of general business offices of the publisher: 2 Main Street, Gloucester, MA 01930. 6. Names and addresses of publisher, editor, and managing editor: Publisher, William J. O'Donnell, 2 Main Street, Gloucester, MA 01930. Editor, Gordon H. Bock, 2 Main Street, Gloucester, MA 01930. Managing Editor, None. 7. Owner (if owned by a corporation, its name and address must be stated and also immediately thereunder the names and addresses of stockholders owning or holding 1 percent or more of the total amount of stock): Dovetale Publishers, Inc. 2 Main Street, Gloucester, MA 01930. Patricia Poore, 2 Main Street, Gloucester, MA 01930. William J. O'Donnell, 2 Main Street, Gloucester, MA, 01930. 8. Known bondholders, mortgagees, and other security holders owning or holding 1 percent or more of total amount of bonds, mortgages, or other securities: None. 10. Average number of copies each issue during preceding 12 months: A. Total number of copies (Net Press Run): 191,734. B. Paid and/or Requested Circulation: 1. Sales through dealers and carriers, street vendors and counter sales: 13,032. 2. Mail subscription: 149,666. C. Total Paid and/or Requested Circulation: 162,698. D. Free Distribution by Mail, Carrier or Other Means, samples, complimentary, and other free copies: 1,492. E. Total distribution (sum of C and D): 163,925. F. Copies Not Distributed: 1. Office use, left over, unaccounted, spoiled after printing: 3,219. 2. Returns from News Agents: 24,324. G. Total (sum of E, F-1 and F-2 should equal Net Press Run shown in A): 191,734. 10. Actual number of copies of single issue published nearest to filing date: A. Total number copies (Net Press Run): 219,856. B. Paid Circulation: 1. Sales through dealers and carriers, street vendors and counter sales: 12,078. 2. Mail subscription: 180,269. C. Total paid and/or requested circulation: 192,347. D. Free distribution by mail, carrier or other means, samples, complimentary, and other free copies: 1,692. E. Total distribution (sum of C and D): 194,039. F. Copies not distributed: 1. Office use, left over, unaccounted, spoiled after printing: 3,987. 2. Return from News agents: 21,830. G. Total (sum of E, F-1 and F-2 should equal Net Press Run shown in A): 219,856. 11. I certify that the statements made by me above are correct and complete. William J. O'Donnell, Publisher.

Don't believe it when you hear,
 "Sorry, they don't make that anymore."
 It's in the OHJ Directory.

NEW!
 1994
 EDITION

THE 1994 OLD-HOUSE JOURNAL RESTORATION DIRECTORY

\$14.95

THE NATIONAL CATALOG OF SUPPLIERS • OVER 1500 LISTINGS!

OLD-HOUSE FOLKS USED TO waste valuable time tracking down the right trowel or terracotta tile — time better spent actually plastering or repairing the leaky roof! But the days of fruitless phone calls and wild goose chases are over: The OHJ Directory gives you access to over 1,500 companies who offer the very best products and services for renovation. The 1994 edition has been carefully updated with over 10,000 items you can still buy:

• Victorian Fretwork • Push-Button Light Switches • Craftsman Rugs & Curtains • Wood Storm Windows • Fireplace Tiles • Spoke-Handled Faucets • Plaster Ceiling Medallions • 19th C. Millwork • Marble Mantels • High-Tank Toilets • Cast Ironwork • Hand-Hammered Weathervanes.

• **UNUSUAL SERVICES, TOO:** Where else could you find companies who will custom duplicate your millwork and hardware, paint your house in historic colors, repair your stained glass, reline

your chimney, and re-create a period garden? Just buy our Directory! It's 270 pages of guidance that you won't find anywhere else.

• **TO ORDER:** Fill out the envelope order form and mail with your check for \$16.95 postpaid (only \$12.95 for subscribers). Or call (508) 281-8803 and use your Visa or MasterCard.

OLD-HOUSE
 JOURNAL

New Homes Built in the
 Traditional Manner

The best and neatest way to strip old paint.



WE'VE TRIED JUST ABOUT every heat tool on the market. In our opinion, the Master Heavy-Duty HG-501 Heat Gun and the Warner Heat Plate are the best of the lot for working on old houses.

Heat is one of the fastest methods for removing paint because it softens many layers at once. As the paint bubbles up, it can be lifted off dry with a putty knife or scraper as you move along. And because these tools are long-lasting products, they pay for themselves when you consider the savings on \$18-to-\$22-per-

gallon stripper you don't have to buy.

Heat Guns come in handy for stripping complicated surfaces such as painted porch parts, mouldings, or other ornamental woodwork. The HG-501 gun has a durable aluminum body, a powerful 23-cfm blower, and a replaceable heating element that can be set at two temperature levels. Heat Plates are the most efficient tools for stripping broad, flat surfaces: doors, panelling, baseboards, and exterior wooden clapboards. They're also safer to use on hollow areas like partitions or exterior cornices because they don't blow hot air (which

has the potential to ignite hidden dust). (Neither tool is recommended for removing varnish.)

Both the Master Heat Gun and the Warner Heat Plate come with complete operating and safety instructions, and are backed by the OHJ Guarantee: If your unit should malfunction within two months of purchase, we'll replace it.

Use the order form to purchase either or both heat tools. The HG-501 Heat Gun costs \$89.95; Heat Plate, \$59.95. **Or call (508)281-8803 and charge on your MC/VISA.**



OLD-HOUSE JOURNAL GUIDE TO RESTORATION

Now you can get 392 pages of no-nonsense, completely indexed, restoration help. Our new book, edited by long-time OHJ editor Patricia Poore, tells you everything you need to know about inspecting your house, planning stages of repair, updating old systems, and doing the work. You'll get specific, thorough, easy-to-follow advice on all projects from replacing rotted foundation sills to refinishing antique wood. 392 pages, Hardbound. #80 \$33.00



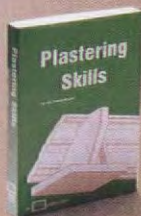
STYLE TRADITIONS

Stephen Calloway and Stephen Jones. All the essential style elements for faithfully restoring a period look to your old house, whether it's Arts & Crafts, Art Deco, Georgian, or early Victorian. This book is a lavishly illustrated source-book of interior-design ideas. 224 pp. Hardbound. #24 \$38.95



BUILDING WITH WOOD

John I. Rempel. Log buildings, timber framing, plank construction, stovewood houses — it's all here. This interesting and informative guide to the construction of old houses includes excellent chapters on woodwork, tools, preservation, and restoration. Loaded with photos and drawings, newly revised. 454 pp. Softbound. #25 \$28.95



PLASTERING SKILLS

The definitive text on the lost art of wet plastering! Have some failing plaster? This book is the place to turn for the correct repair methods. Whether you want to replace ten feet of missing cornice, or replaster an entire wall, this guide shows you how. (casting in plaster is not covered.) 543 pages. Softbound. #19 \$24.95



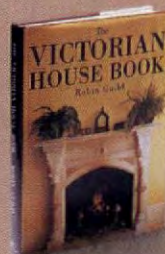
OLD HOUSE WOODWORK RESTORATION

This is the only book to deal exclusively with architectural woodwork, not furniture. It gives expert do-it-yourself guidelines for restoring doors, windows, stairs, walls, and trim. Also tips for stripping finishes; repairing or replacing rotted parts. 200 pages. Softbound. #08 \$18.95



PROFESSIONAL PAINTED FINISHES

Over 500 color photographs illustrate this comprehensive guide to the art and business of decorative painting. Includes over 53 glazing, marbling and graining techniques, color theory, tools, and design concepts. Detailed with how-to illustrations for the beginner, plus a section devoted to building a business. Extensive source list and glossary. Even if you aren't a painter, you'll love the beauty of this book. 282 pages. Hardbound. #81 \$42.95



THE VICTORIAN HOUSE BOOK

Robin Guild. A fascinating guide for anyone interested in this rich and eclectic age. Historical information is combined with design ideas and advice on how to decorate, renovate and maintain a vintage home. Chapters explore exterior features, fixtures, and fittings, decorating, kitchens, bathrooms, gardens and the Victorian inspiration. Includes suppliers' list. 2,000 illustrations, 500 in color. 320 pp. Hardbound. #02 \$47.50



VICTORIAN INTERIOR DECORATION

This beautifully illustrated look at American Victorian interiors will educate and inspire you. Decorating details on floors, ceilings, windows, woodwork, wallpaper, and more, covering the period 1830-1900. 257 pp., 16 color pages. Hardbound. #14 \$29.50

*Good books
from*
**OLD-HOUSE
JOURNAL**

Finding the perfect "old" house just got easier...with Old-House Journal's HISTORIC HOUSE PLANS.

**BRAND
NEW!**

For the first time, all of OHJ's Historic House Plans are available in one volume — plus more than 30 designs not seen before.

ARE YOU AN OLD-HOUSE lover looking for a new home? Building a reproduction "new-old house" could be your best option. You can build the exact house you want, where you want it. You can instill that old-house charm with the building materials, furnishings, and decorative finishes you choose — just as you would any restoration project — but without inheriting plumbing and wiring nightmares from previous owners.

Here's your chance to choose from over 100 plans of authentic early American, Victorian, and post-Victorian designs, including garages, sheds, and gazebos. OHJ plans are drawn by reputable architects across the country who specialize in historical reproduction. They combine authentic exteriors with updated floor plans that accommodate master baths, walk-in closets, and laundry areas. In typical OHJ fashion, every plan's style, origins, and special features are

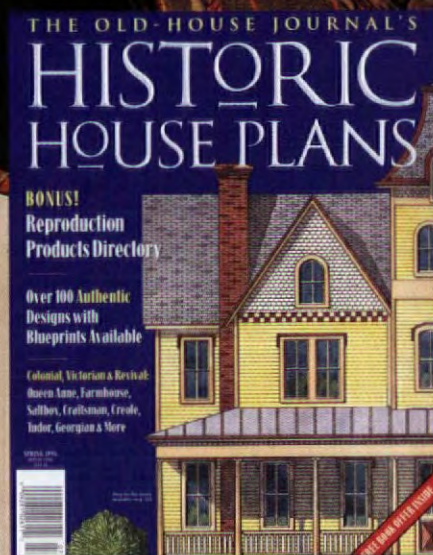
described in detail. Square footage, ceiling heights, and overall dimensions are clearly specified.

In **Historic House Plans**, you get much more than a collection of home designs.

☛ In an illustrated history of the "planbook" house, you'll learn about the now-famous architects who designed the first published house plans, and why this American building tradition continues today.

☛ Our editors have selected a directory of 100 sources of antique and reproduction building materials from the OHJ catalog. From floorboards and roofing materials to windows and doors, plumbing fixtures and hardware, cupolas and dumbwaiters, historical materials make your reproduction house authentic.

☛ OHJ readers who have built homes from our plans share their experiences in a full-color showcase of their reproduction houses. Their letters and beautiful homes are testimony to the rewards of building one of our authentic houses.



Special features:

- ☛ Over 100 historic designs
- ☛ Bonus section of Garages, Sheds, and Gazebos
- ☛ **BLUEPRINT PACKAGES AVAILABLE FOR EVERY PLAN**
- ☛ A source directory of authentic building materials

To Order:

Enclose a check with the envelope order form, **or call (508) 281-8803 to use your VISA or MasterCard.**

156 pp., 200+ illustrations, 40 color photos. Softbound, \$11.95 ppd.

Why not take a look at what reproduction houses are all about?
After all, readers have looked to OHJ for over twenty years to guide them
in their restoration projects...who better to trust with your "old" house search?

OLD-HOUSE
JOURNAL

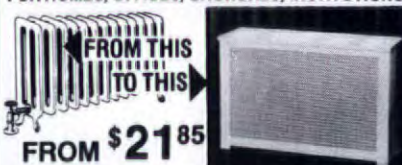
VIXEN HILL CEDAR SHUTTERS



Solve your replacement and refinishing problems cost effectively with cedar shutters. Authentic teak-pegged mortise & tenon construction in numerous louver and panel designs, sized to your window. Send \$1.00 for color brochure. Vixen Hill, Dept. I, Elverson, PA 19520. 215-286-0909.

ALL STEEL RADIATOR ENCLOSURES

FOR HOMES, OFFICES, CHURCHES, INSTITUTIONS



FROM \$21⁸⁵

BUY FACTORY DIRECT & SAVE • EASY TO ASSEMBLE
MANY STYLES & COLORS • BAKED ENAMEL FINISH
Send \$1.00 for Brochures. Refundable with Order.

MONARCH Dept. OHJ
2744 ARKANSAS DRIVE, BROOKLYN, N.Y. 11234
(201) 796-4117

VICTORIAN GARDEN SHED

Size: 10' x 16'
Large side access
for tractors,
etc.

"Put the finishing touches to
your home with Victorian
Garden Blueprints."



- Professionally designed blueprints.
- Complete with materials list.
- Add value and beauty to your home.

\$29

Avail. thru 12/31/93

Send check to:

Valencia Design Group
2673-87th St., S.W., Byron Center, MI 49315

River City Woodworks

825 9th Street
New Orleans, Louisiana 70115

(504) 899-7278

ANTIQUE HEART PINE FLOORING
STAIR PARTS
LUMBER
BEADED WAINSCOTING
ANTIQUE CYPRESS
WOOD BEAMS
MOLDING
DOORS

Recycling Lumber & Building Materials Since 1981

CEILING BUTTONS

To repair sagging plaster ceilings, simply screw the ceiling button up into the lath, and cover with skim coat of plaster or joint compound. Combo Pak: Everything needed to do job: ceiling buttons, galvanized screws, insert bit. \$20.00. Ceiling Buttons \$1.20/doz. (6 doz. min) \$16/lb. (21 doz/lb.) Screwgun tip no charge. Send check with order to:

FASTENATION

P.O. Box 1364, Marblehead, MA 01945
FAX: (617) 539-0534

Lampshades of Antique

Dept. 8, P.O. Box 2, Medford, OR 97501



96 styles \$35-\$95 • Phone (503) 826-9737
We can recover your frame. Catalog \$4

Victorian Reproductions



FACTORY DIRECT SHIPMENTS
AT DISCOUNT PRICES!

Hand Carved, Solid Mahogany Wood Frames,
Over 200 Fabrics, Italian Carrara Marble Table Tops
Send \$2.00 for catalog to:

**HEIRLOOM
REPRODUCTIONS**

1834 West 5th Street Dept. OHJ Montgomery, AL 36106
Or call Toll Free: 1-800-288-1513



Authentic Antique Hardware

- One of a Kind
- No Reproduction
- Door Hardware
- Furniture Hardware
- Door Knockers
- Curtain Tie-backs
- Twist Bells



Eugenia's Place

3522 Broad St. • Chamblee, Georgia 30341
800-337-1677 • Bus. (404) 458-1677

DETAILS THAT MAKE
A DISTINCTIVE DIFFERENCE.



Finely
crafted
roof spires,
lightning

rods and weathervanes
for replication or restora-
tion. All architectural
details customized to
your needs.

*All copper and bronze



6530 S. Windermere St. Littleton, Colorado 80120
303-798-4841

Fine American Lighting Real American Value From Lighting by Hammerworks

- Top Quality Materials
 - Completely Handcrafted
 - Reasonable Prices
- Lanterns, Sconces,
Chandeliers, and
Hand Forged Hardware

Send for our catalog and
discover how you can enjoy
the beauty and quality of our
Colonial lighting in your home.

Catalog \$3.00

Lighting by Hammerworks

6 Fremont Street, Dept. OHJ, Worcester, MA 01603, 508-755-3434
Other shop locations: Route 20, Marlboro, MA 508-485-6721
118 Main St., Meredith, NH 603-279-7270

Decorative Ceiling Tiles

The elegance and beauty of yesterday but made of durable, lightweight, high impact polystyrene. They are easy to install, paintable and washable. Available in flame retardant materials and colors other than white at special prices. Several patterns to choose from plus custom design and molding services available.

Call or write

**Snelling's
Thermo-Vac, Inc.**

P.O. Box 210
Ph. 318-929-7398

Blanchard, LA 71009
FAX 318-929-3923

Columbia Emporium Antiques, Art, Jewelry & More.

Specializing in large, ornate,
furniture, the great European
creations from the past.

For Color Catalog send \$6 to:
808 E. Broadway,
Columbia, Mo 65201
(314) 443-5288

Free delivery in some instances
Open 7 days, 11-5 P.M.

BALDWIN



Lexington Design mortise lock handleset with knob and oval plate trim inside - polished brass. \$220.00 prepaid in U.S.A. Miss. residents add 7% tax. Visa & Mastercard accepted. Call toll-free 800-821-2750 Ask for the Hardware Department

Addkison
HARDWARE CO. INC.

126 E. Amite St., PO Box 102,
Jackson, MS 39205



How to Make "Victorian Style" Lamp Shades 65 min. Color VIDEO

- Easy & Fun
- Step by Step Instructions
- Demonstrates Rosettes & Beautiful Custom Dyeing Technique
- Complete Kits Available
- Earn Extra Money with This New Skill

\$48.00
+ 3.95 S&H



Heart Enterprises
800-398-4981

Wooden Dish Drainers Traditional Laundry Racks

We've added new products to our extensive line of the sturdiest wooden dryers in America. Our housewares are made to be heirlooms. Handcrafted, beautiful, and guaranteed. Price range from \$15 to \$59. Free Brochure.



FUNNYBONE
Rt. 1 Box 266K

Charles Town, West Virginia 25414
1-800-829-7634



Authentic Victorian Millworks

111 Railroad St.
Navasota, TX 77868
409-825-7233

Moldings • Screen Doors • Porch Parts
Custom Woodwork • Ornamental Trim

Send \$2.00 for a Catalog

EMPORIUM

Advertiser's Index

PRODUCT NETWORK NO.

PAGE NO.

20	AA Abbingdon Affiliates	51	672	Lehman Hardware	63
31	Abatron	7		Lighting by Hammerworks	77
	Addison Hardware Company	78	110	Mac The Antique Plumber	47
23	Ahren's Chimney Technique	65		Maple Grove Restorations	70
517	Albany Woodworks	63	9	Marvin Windows	17
650	American Bungalow Magazine	59	16	Midwest Architectural Wood Prod.	59
651	American Custom Millwork	23		Monarch	77
611	American International Tool Ind.	63		N.O.P.E.	70
354	Andersen Windows	5		National Decks	72
	Anthony Wood Products	72	113	National Supafllu Products	19
582	Appropriate Technology Corp.	65	5	Nixalite of America	51
	Arca Designs	69	527	North Fields Restorations	15
18	Ball & Ball	49	657	Ohmega Salvage	61
193	Bathroom Machineries	57	32	The Old Wagon Factory	63
73	Bendheim Glass	64		Old World Hardware	19
27	Bradbury & Bradbury	21	303	Ole Fashion Things	23
330	Brandon Industries	19	53	Oregon Wooden Screen Door	69
21	Brass Light Gallery	25		Period Details	72
	The Brickyard	70	38	Protech Systems	67
	Campbellsville Industries	72	659	Reggio Register Company	57
242	Chadsworth, Inc.	21	10	Rejuvenation Lamp & Fixture	57
35	Charles Street Supply	70	538	Renovator's Supply	9
	Charmaster Products, Inc.	72		River City Woodworks	77
47	Chelsea Decorative Metal	65	11	Roy Electric Company	47
26	Classic Accents	69	365	Rutland Products	64
	Columbia Emporium	77	1	Schwerd Manufacturing	11
159	Conant Custom Brass	21	647	Shutter Depot	51, 72
603	Country Designs	65		Shuttercraft	72
307	Country Iron Foundry	59	690	The Sink Factory	15
98	Cross VINYLattice	67	30	Smith-Cornell	67
397	Crown City Hardware	13		Snelling's Thermo-Vac	77
679	Crown Point Cabinetry		209	Southampton Antiques	65
	Inside Front Cover		675	Specification Chemicals	60
44	Cumberland Woodcraft	10		Steptoe & Wife	72
518	Custom Wood Turnings	64	539	Sterling-Clark-Lurton Corp.	47, 60
101	Devenco Louver Products	69	122	Stewart Iron Works Company	57
595	Donald Durham Company	69		Stoker, Inc.	67
55	Erie Landmark	17	389	Sylvan Brandt	70
	Eugenia's Place	77		Touchstone Woodworks	70
688	Evan Pollitt, AIA	67		Tri State Aviation	69
221	The Fan Man	65	585	Tuff-Kote Company	12
	Fastenation	77	400	Urban Archeology	21
680	Faux Effects Inc.	60		Valencia Design	77
615	Fein Power Tools Inc.	15		Van Dyke's	70
646	Finneran & Haley	60	125	Vande Hey Roofing	Inside Back Cover
	Fischer Artworks	77	683	Vermont Castings	25
294	Fischer & Jirouch	23	4	Victorian Lighting Works	64
674	Fuller-O'Brien Paints	16	392	Vintage Pine Company	67
	Funnybone	78		Vintage Wood Works	70
560	Gates Moore Lighting	60	401	Vixen Hill	72, 77
	Goodtime Stove Company	61	128	W.F. Norman Corporation	57, 59
387	Granville Manufacturing	59	438	Ward Clapboard Mill	64
663	Grate Fires Company	60	439	Williams & Hussey	23
302	Hardware Plus	17		The Wood Factory	78
	Heart Enterprises	78	194	Woodstone Company	47
	Heartland Appliances	70			
689	Heatway Systems	19			
	Heirloom Reproductions	77			
	Heritage Brass Company	72			
565	HomeSaver Chimney Liners	51			
682	Homestead Partners, Inc.	64			
414	Hydro-Sil Heat Company	22			
640	Investment Antiques & Collectibles	63			
631	J.L. Powell & Company Inc.	49			
	John Canning	49			
492	The Kennebec Company	51			
	Kestrel Manufacturing	70			
334	King's Chandelier Company	63			
664	Klean Strip	59			
	Lampshades of Antique	77			

Advertising Sales Offices

MAIN OFFICE

2 Main Street, Gloucester, MA 01930
(800) 356-9313
Becky Bernie, National Sales Manager

MIDWEST SALES OFFICE

Robert R. Henn & Assoc.
20500 Hellenic Drive,
Olympia Fields, IL 60461 (708) 748-1446
Robert Henn, Nancy Bonney

**Something old ...
Something new ...
from Vande Hey-Raleigh.**



In response to customer demand, the cold weather tile experts have developed a startling new architectural roof tile guaranteed to perform as admirably now as it has since its introduction many years ago.

The new STAGGERED roof tile perfected by us is a replication of a tile used way back when . . . only much better because of our unique manufacturing and installation procedures.

The STAGGERED roof tile is available in our shake, slate or brush tile series in any of 20

standard colors or custom colors to match ANY REQUEST . . . no matter the age of the tile.

Our roof tiles are like NO other. NO maintenance. NO growth. NO creatures or bugs can live on/among them. And NO fire. Ever. Concrete can't burn.

The mid-west's tough weather is easily tamed by our tiles. No worries — ever — about freeze/thaw cycles. And, only our roofs complete any building statement. We are perfection.

Call or write for free catalogs and installation manuals.

VANDE HEY  **RALEIGH**

1665 Bohm Drive

Little Chute, WI 54140

414-766-1181



A turn-of-the-century archival photograph shows Stephen Mills's adobe home that has since been demolished.

MICHIGAN'S GREEK REVIVAL ADOBE HOUSES

OLD-HOUSE LOVERS HAVE LONG admired a collection of early Greek Revival Adobe Houses in Washtenaw County, Michigan. Built of unfired clay, these adobe houses were constructed between 1840 and 1865 by Stephen Mills, who was originally from Phelps, New York.

By using adobe, Mills not only saved lumber and transportation costs, but put to use the county's sticky clay deposits. Earthen blocks, made of clay mixed with straw and sometimes horsehair, were laid in a fire-proof, double-wall configuration with dead-air spaces. Adobe's vulnerable to the elements, so Mills sealed the exteriors with stucco, which were then scored to resemble the stone blocks of Greek temples.

The 1½-storey main block of the Greek Revival Adobe House consists of a parlor, dining room, stair hall, and three bedrooms across the back. Two kitchen wings



Note the stuccoed exterior of this Greek Revival Adobe House (above) in Washtenaw County, Michigan. The typical three-part floor plan (right) included the main section with bedrooms, the adjoining kitchen wing, and rear wing with wood shed.

create a distinctive three-part plan that is the building signature of Mills.

No one knows why Mills built adobe houses in Michigan, but there are theories. First, he might have used earthen masonry because the area lacked pine or other soft-

woods fit for building. It's also possible that Daniel Penfield's "mud" house in Phelps, New York (see "Old-House Living in a Mud House," January/February 1992) was the inspiration for the houses. Mills had returned to Phelps in 1833 and spent two years learning masonry.

Whatever their origins, they are sturdy examples of vernacular architecture in the Greek Revival style that swept the country before the Civil War.

— MARY M. CULVER
Ann Arbor, Mich.

