LAWN LORE • RADIATOR RENEWAL • PASADENA: BEYOND BUNGALOWS

OLD-HOUSE JOURNAL

JUNE 2000

ORIGINAL
toration
gazine

Rehab Guide

- WHERE TO START
- PRACTICAL POINTERS

PERIOD BATH TIPS

Sink Basin Source List

Restoring Doorbells

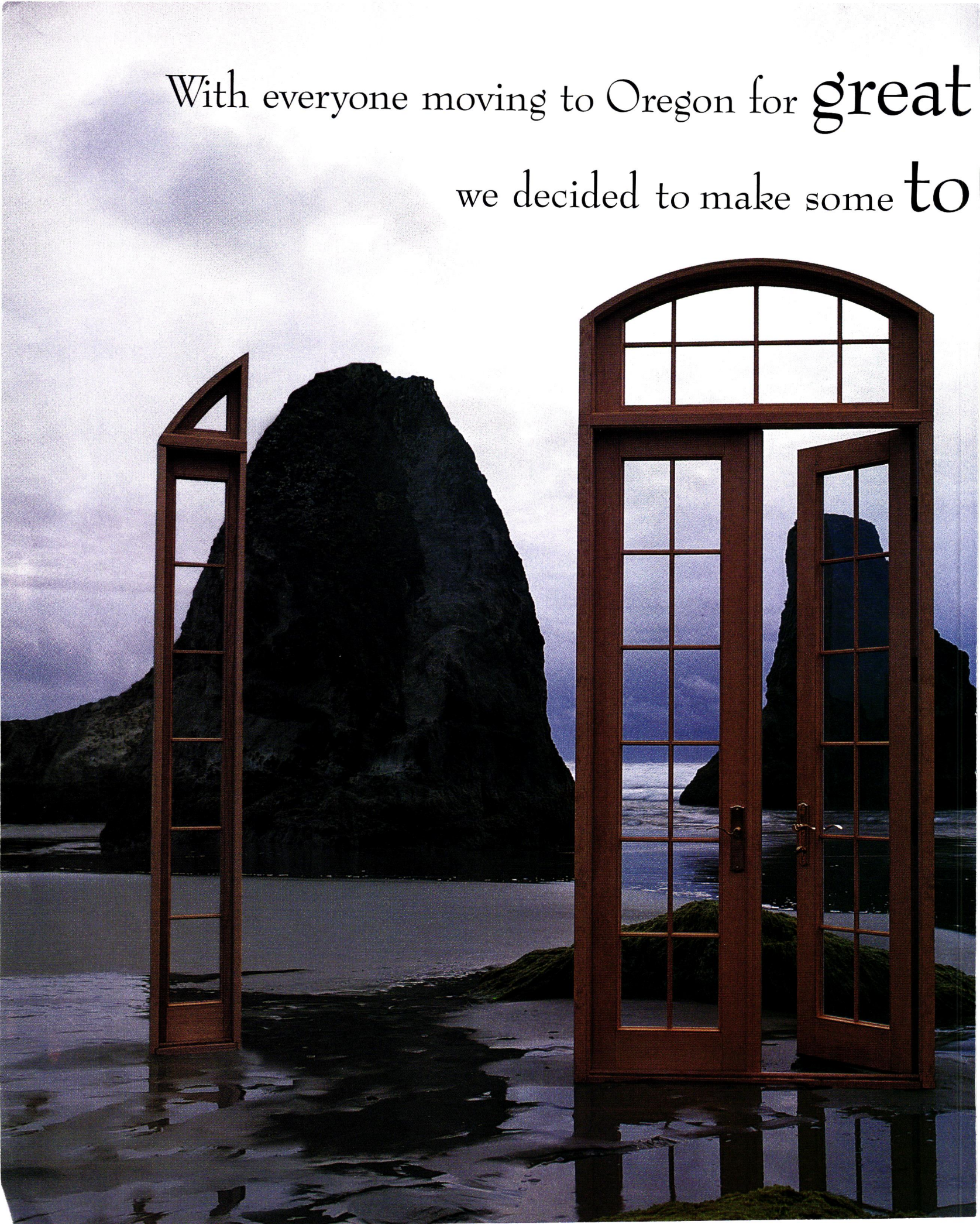
SPECIAL SECTION (PAGE 75):

The American House—

GEORGIAN COLONIAL

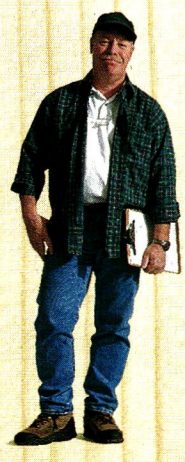
Their northern California Queen Anne now snuggly restored, Glenn and Gail Giaimo plan their orchard.

#BXNBQLB******** 5-DIGIT 07076
#037E10DD016829428 0003 M/A01 Z
STACY SPIES 13
407 VARREN ST
SCOTCH PLAINS NJ 07076-1920 38


With everyone moving to Oregon for great
we decided to make some to

views, go.

©1998 JELD-WEN, inc. JELD-WEN, Pozzi and Pozzi Wood Windows are registered trademarks of JELD-WEN, inc., Klamath Falls, OR.



Randy Scagliotti,
Production Manager

We're more than happy to share the beauty of Oregon. But, like Randy, we'd rather share the natural beauty of Pozzi® wood windows and patio doors. With over 4,000 standard sizes. Not to mention the 40% of our work that's custom. All sharing a single architectural standard, so your vision comes together perfectly. Creating an unforgettable view, wherever you are. Randy, our ambassador to the world, brings it all to your doorstep.

POZZI
WOOD WINDOWS®
Part of the JELD-WEN® family

HANDCRAFTED IN BEND, OREGON.™

Free catalog: 1-800-257-9663 ext. P2.
Or visit us at www.pozzi.com

Circle no.454

THE FIRST CHOICE IN WHIRLPOOL BATHS...

The Affinity™

The Affinity™ entertainment whirlpool bath takes bathing to an exciting new level. Our legendary hydrotherapy system soothes your entire body with eleven adjustable jets. The unit also offers an integrated 9-inch television and stereo/CD system complete with four speakers. For the utmost in convenience, the unit comes with a floating remote to operate the underwater lighting, jet system and air injectors.

Jacuzzi Whirlpool Bath and Jacuzzi are registered trademarks of Jacuzzi Inc.

...IS THE NEW CHOICE IN BATHROOM SUITES.

The Gianni™ Suite

The Kalara™ Suite

The Sofia™ Suite

The Paloma™ Suite

Now you can experience Jacuzzi quality, style and performance on a grander scale. Because now there is a complete collection of Designer and Builder lavatories, toilets and bidets beautifully designed to coordinate with Jacuzzi® whirlpool baths and shower systems. Choose from a breathtaking array of colors and styles to fit every taste and budget, all made in America and backed by Jacuzzi. It's not just a bathroom. It's a statement of quality.

Only from the innovator of bathing luxury.

Jacuzzi® WHIRLPOOL BATH

Circle no. 453

THE GENUINE BRAND

Call or click for information and a free catalog: JACUZZI WHIRLPOOL BATH 1-800-288-4002 www.jacuzzi.com

Alex Has Big Plans For His Allowance

Starting at just $3.99 a square foot*,
Bruce® Hardwood Floors are a great first step.
And with Alex taking such good care of his money,
there's only one problem – how to get the hot tub hooked up.

See how affordable our hardwood floors really are. Call 1-800-722-4647 for your nearest Bruce Master Showcase Dealer. And from April 1 to June 30, 2000, get a Free Bruce Floor Care Kit with your hardwood floor purchase.

Bruce®
hardwood floors
Armstrong
The Natural Choice®
www.brucehardwoodfloors.com

* Price listed is manufacturer's suggested retail price for wood flooring only. Dealer participation and price may vary. Free Floor Care Kit offer requires minimum 200 square feet purchase of first-quality, factory-finished Bruce hardwood flooring.

Circle no. 455

CONTENTS

MAY|JUNE 2000
VOL. XXVIII, NO. 3
ESTABLISHED 1973

Editor's Page 10

Letters 12

Old-House Living 16
BY MARY ELLEN POLSON
Restoring a Queen Anne in rural California is a radiant experience.

Journal 27
Historic review boards, widow's walks, ladybugs, and old-house education.

Outside the Old House 32
BY NINA A. KOZIOL
Historic lawns—the dirt on period turf.

Fine Fittings 39

Old-House Mechanic 45
BY WILLIAM T. COX JR.
The art of attic fans.

Old-House Antiques 51
BY BRIAN COLEMAN AND H. WEBER WILSON.
Tips on vintage mechanical doorbells.

Old-House Living 16

ON THE COVER: *On a beautiful day in Ferndale, a quiet farming community in northern Californian, Gail and Glenn Giaimo discuss landscaping plans to complement their 1901 Queen Anne home. After an extensive exterior restoration, the couple added a brick patio and walkway on the protected eastern side of the house.* **Photo by Linda Svendsen**

From Slum to Plum 56

Bath Tile 62

56 From Slum to Plum
BY JANE POWELL
Even if you'll live in your bungalow or Queen Anne forever, keep these practical pointers on renovating for resale in mind.

62 Resurrecting a Tile Shower
BY MARY ELLEN POLSON
When an art tile showcase is too far gone for a tub, careful work brings it back as a shower.

66 Return of the Artful Basin
BY MARY ELLEN POLSON
There's historic precedence for some of today's best lavatory basins.

CONTENTS CONTINUES ON PAGE 8 ☛

Online www.oldhousejournal.com

CONTENTS

MAY|JUNE 2000

68 Saving the Structurally Challenged

BY DOUGLASS C. REED

When an 1815 brick farmhouse bulges to the point of collapse, it takes inspired techniques to rebuild the masonry in place.

75 Georgian

BY PATRICIA POORE

The ideas of classical architecture, as filtered through the great designers of England, took new form in the high-style houses of early America.

Old-House How-To 83

Basics: Parting Ways 83

BY MARYLEE MACDONALD

Techniques and tips for getting nails, screws, and bolts to budge.

Advisor 88

Products 92

Good Books 95

BY PATRICIA POORE

Two views of the garden in history, one a study of landscape as art, the other a practical guide.

Historic Places 99

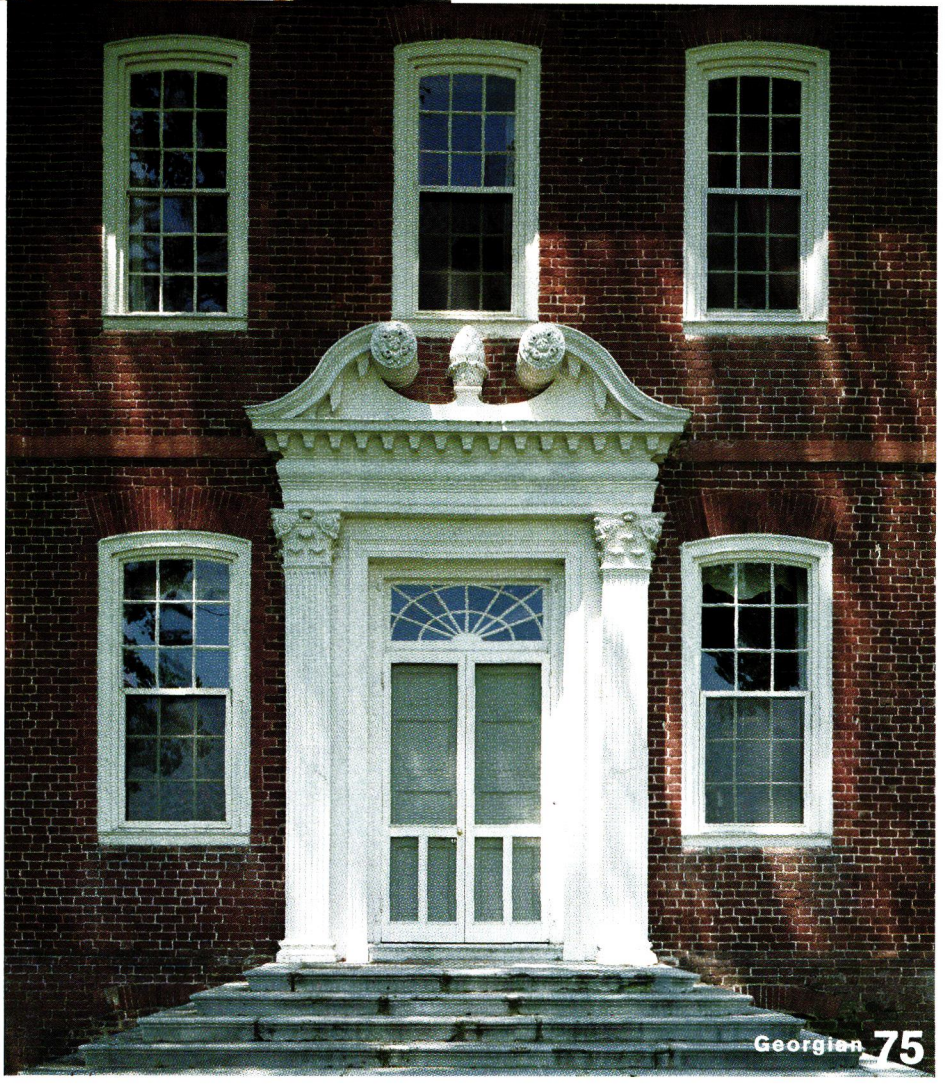
BY THOMAS SHESS

Pasadena, home of the Rose Bowl, is a happy hunting ground for unparalled early-20th-century architecture.

Swaps & Sales 124

Resource Network 132

Remuddling 146



How a rainbow trout hooked Chad Harris.

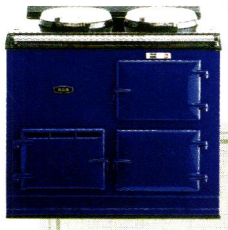
After just one bite, Chad knew he was tasting food like he had never tasted it before.

Based on a true story.

Chad Harris couldn't understand it. He liked fish, but this was incredible, almost as if he had never really tasted trout before. With every bite, Chad became more convinced that this was how food should taste — and more determined to find out what made this particular fish so different.

The secret to mouth-watering flavor.

Chad discovered that his trout was grilled in an AGA Cooker.



A jewel for your kitchen.

Each AGA is hand crafted at a 300-year-old English foundry. Available in your choice of 12 rich enamels, an AGA will bring a warm and soothing presence to your home for many years to come.

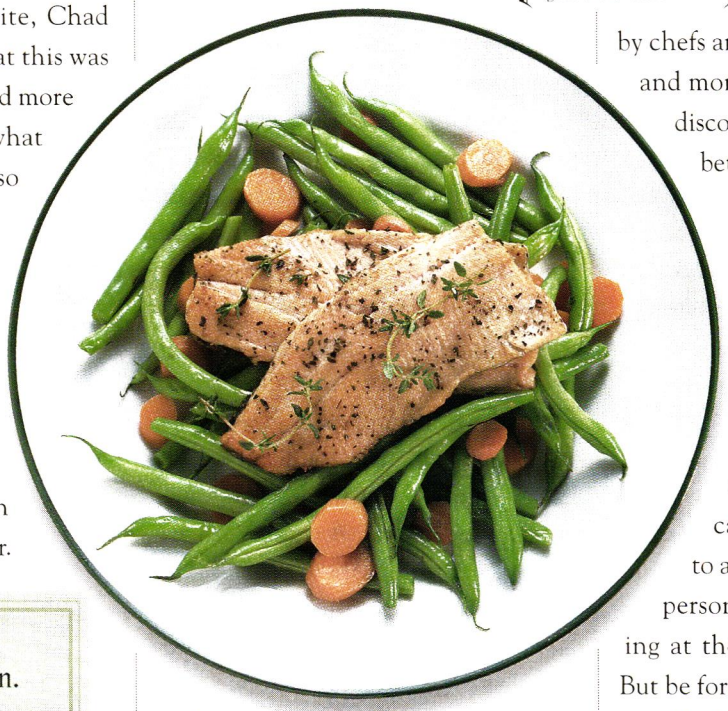
An AGA can roast, bake, steam, simmer, fry, stew, grill, boil and broil — all at once. And whether you choose a 2 or 4 oven model, your AGA will hold a 28-pound turkey and all the trimmings...in each oven.

Where an ordinary oven cooks with hot air — a process which dries out food and robs it of its flavor — an AGA oven radiates constant, even heat from its top, bottom and sides, so juices, nutrients and flavor are sealed in.

An AGA boils water almost instantly, yet keeps food tender and flavorful, even if your guests are hours late.

Prized by chefs for 3 generations.

Since it was first designed in Sweden over 75 years ago, the AGA has been treasured by chefs around the world. Now, more and more Americans like Chad are discovering the secret: food tastes better from an AGA.



If you'd like to taste what you've been missing, call now to arrange a personal tasting at the AGA dealer nearest you. But be forewarned: after one bite, you could be hooked, too.

Available in 12 enamel colors.

- Golden Yellow
- Cream
- Claret
- Black
- White
- Wedgwood Blue
- Royal Blue
- Dark Blue
- Jade
- Hunter Green
- British Racing Green
- Pewter

Taste the AGA difference yourself.

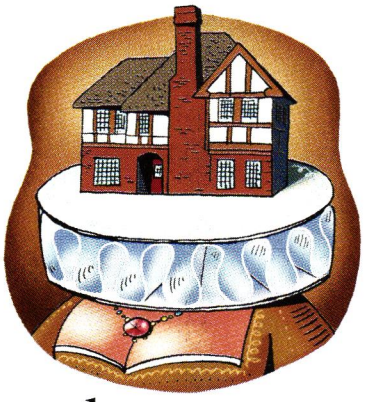
1-800-633-9200

AGA

www.AGA-cookers.com

More than 100 dealers nationwide. Call for the dealer nearest you.

Circle no. 460



Of Splanches and Sporks

ANYONE WHO'S SHOPPED for an old house—or pretty much any house—knows that reading listings and other written descriptions can be a semantic funhouse. No matter what the building's age or style, if it has a central door and hall, it's sure to be summed up as a "Colonial." Such one-size-fits-all handles raise a knowing eyebrow with OHJ readers. However, I get an even bigger kick out of the unofficial, but still very real house names that are the unlikely matings of established terms.

My favorite is *splanch*, a mid-20th-century hybrid of the split-level house and the ranch house. Though the term does not appear in any of the official real estate guides that I can find, it's a regular part of the newspaper-listing lexicon—and I think it's great. Splanch gives an identity to those dwellings with the low roofs and deep eaves of a ranch house, but living space on more than one floor. What better moniker for a house spawned by the same era that gave us the *spork*—that cross between a spoon and a fork you sometimes see on airlines?

Hybridized terms are by no means limited to realtorspeak of course. Students of suburban architecture have long identified buildings that are best described as *Tudorbethean*. In the mix-and-match architecture of 1920s English Revival houses, the carefree cross-pollination of Tudor, Elizabethan, and Jacobean elements produced a new strain of the English Revival style. The Tudorbethean is a medieval-looking house that took root in suburbs all across North America, but never existed in the British Isles. Historian Alan Gowans finds Tudorbethean a "ponderously cute name . . . so well deserved."

Our own synergy-obsessed age has no monopoly on this kind of wordplay either. Nearly a century ago when that new house type, the bungalow, promised both better living for homeowners, and bigger profits for developers, the building trade was giddy with creative spins on the basic house. Architects and critics alike promoted head-scratching combinations like the *semi-bungalow* and the *bungalowette*. When marketing people realized the word itself would sell a building, suddenly there were *Colonial bungalows*, *Italian bungalows*, and *Spanish bungalows*. Stretching the concept even further, an apartment building penthouse was magically a *roof bungalow*. Perhaps the best was a garage grafted to a bungalow to yield the legendary *garlow*.

Over time, many such mongrel terms become commonplace—even approved terminology. What fun reading them until they do.

DAVID KLUG

OLD HOUSE JOURNAL®

EDITOR-IN-CHIEF Patricia Poore
EDITOR Gordon H. Bock
ART DIRECTOR Inga Soderberg

SENIOR EDITOR Mary Ellen Polson
ASSOCIATE ART DIRECTOR Claire MacMaster
PRODUCTION ASSOCIATE Betsy Gammons
CONTRIBUTING EDITORS James C. Massey and Shirley Maxwell, Laura Marshall Alavosus, Steve Jordan, John Leeke

EDITORIAL OFFICES Two Main Street, Gloucester, MA 01930
TEL (978) 283-3200
FAX (978) 283-4629
SUBSCRIPTION INQUIRIES (800) 234-3797

PUBLISHER John A. Pagliaro
PRODUCTION MANAGER Sarah O'Keefe
DIRECTOR OF RETAIL SALES Chuck Tripp
AD TRAFFIC MANAGER Katie Peyton
CIRCULATION MANAGEMENT ProCirc Inc.
READER SERVICE SUPERVISOR Clare Sullivan
MARKETING MANAGER Alison Goldfind

BUSINESS OFFICES Hanley–Wood, LLC, One Thomas Circle, NW, Washington, DC 20005
TEL (202) 736-3409

PUBLISHED BY HANLEY–WOOD, LLC

SENIOR VICE PRESIDENT John M. Brannigan
V.P., EDITORIAL DIRECTOR Paul Kitzke
V.P., PRODUCTION Joanne Harap
V.P., CIRCULATION Maxx MacConnachie
V.P., MARKETING Ann Seltz
V.P., FINANCE Cynthia Gordon-Nicks
V.P., HUMAN RESOURCES Leslie Elsner
V.P., INFORMATION TECHNOLOGY Adriaan Bouten

CHIEF EXECUTIVE OFFICER Michael M. Wood
PRESIDENT Frank Anton
CHIEF FINANCIAL OFFICER Jim Zielinski

FOR MORE INFORMATION:
Subscription Sales & Service: (800) 234-3797
Back Copy Sales & Service: (800) 931-2931
Bookshop Sales: (800) 931-2931
The Restoration Directory: (800) 931-2931
Historic House Plans: (800) 931-2931
Reprint Sales (bulk): (202) 736-3447
Editorial Inquiries: Betsy Gammons, (978) 283-3200

© Copyright 2000 by Hanley–Wood, LLC
All rights reserved.

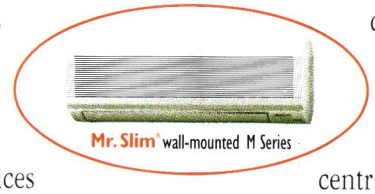
PRINTED IN U.S.A.

Privacy of Mailing List: We rent our subscriber list to reputable companies. If you do not wish to receive promotional material from other companies, please call us, toll free, at 800-234-3797.

WE'RE NOT SAYING YOU SHOULDN'T KEEP MEMENTOS OF YOUR LEAN YEARS.

WE'RE JUST SAYING YOU SHOULDN'T USE THEM TO COOL YOUR LIVING ROOM.

It's time your old window air conditioners found their rightful place among your beaded curtains and bean bag chairs. Now you can afford better. Mr. Slim Ductless Air Conditioners and Heat Pumps from Mitsubishi Electronics. The permanent solution to home and business "hot spots" like kitchens, back offices – any room with a temperature control problem. Mr. Slim won't sacrifice the beauty of your windows. Its indoor air handler is so streamlined it mounts on walls or floors without the need for ductwork.



And its compact outdoor compressor connects to the indoor unit via a single refrigerant line through a small opening in the wall. Mr. Slim is whisper quiet. All you'll notice is its awesome cooling power. It installs in a few hours. It's built to last for years. And Mr. Slim is yours for less money than central air conditioning. Call today about Mr. Slim Ductless Air Conditioners, and save your windows for something of real value – like lava lamps.

Call 1-888-4-MR-SLIM
4 6 7 - 7 5 4 6

www.mitsubishi.com/hvac

MITSUBISHI ELECTRONICS

Circle no. 99

RUBBER THATCH

I READ WITH MUCH INTEREST your article "Thatch in America," April 2000, which featured our company's cedar-shingle, thatch-effect roofs. I was intrigued by the last sentence, which asked: "Does North America hold a metal or rubber version of thatch?—maybe, just waiting to be found."

In answer, our company is now marketing our patent-pending premium thatch roofing, called Endureed™, made of a PVC compound. It is extremely authentic in its thatch-like appearance, yet is fire retardant, rot and UV resistant, and has excellent wind uplift resistance. It is currently being used on a large project for Disney's Animal Kingdom Lodge in Orlando.

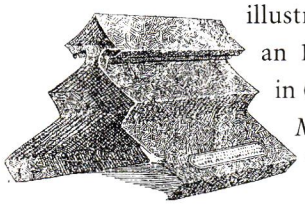
We are well aware of the drawbacks of natural thatch, having been trained in England by master traditional thatchers. Our goal in creating this product was to develop a material that first and foremost would install quickly, and also fulfill the need in the marketplace for a fire- and rot-resistant thatch.

Whether it's steamed and bent wood shingles or PVC reeds, it seems America's love affair with thatched roofing is still alive and well!

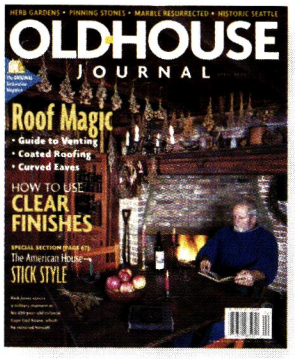
—GARY COOKE
C&H ROOFING PROFESSIONALS, INC.
Lake City, Florida
www.chroofing.com

VINTAGE VENT

RIDGE VENTING is nothing new, you know [see "Ventilating an Attic," April 2000]. This illustration accompanied an 1898 announcement in *Carpentry & Building Magazine* that began: "... the Globe ventilated ridging, recently patented and now being introduced to the trade ... is designed to exhaust the heat from attics and ventilate residences [etc.] without breaking the sky line or disturbing the artistic appearance of the building."



—GERALD F. BURTON
Hudson, N.H.



BACK IN SEATTLE

YOUR APRIL ISSUE seemed aimed at us! The article on the Mother's Day Tour in Monrovia, California ["Monrovia on Mothers Day," Journal, April '00] brought back the thrill of showing off our Painted Lady on the 1986 tour. People would stop by and ask what paint we'd used, and soon the same color scheme popped up all over the foothills. One brazen woman banged on the door demand[ing] to know the exact paint numbers we'd used!

An interesting facet of Monrovia that you might want to explore is the casual frequency with which houses were moved in the 1920s.

Our move from Monrovia to Seattle was job-forced and, as much as we loved our Queen Anne house in California, we longed to get back to Seattle. Little did we know how trendy Seattle would become after we succeeded in returning in 1988. With real estate soaring, we realize how lucky we were to get a big Arts and Crafts house overlooking Lake Washington.

We hope our Monrovia house is as happy with its current owners was we are to be in Seattle once more.

—MARGARET AND HAM CARSON
Seattle, Washington

SORRY ROOF

FOR YEARS I'VE WALKED and biked past an unkempt house with what I thought was the ugliest roof in America. It has beat-up,

OLDHOUSE JOURNAL®

ADVERTISING SALES OFFICES

HEADQUARTERS
PUBLISHER John A. Pagliaro
AD CONTRACTS COOR. Stephanie Blyskal
One Thomas Circle N.W., Suite 600
Washington, DC 20005
TEL (202)452-0800 FAX (202)785-1974

NEW YORK
George F. Penz
Interactive Communications Group
18 Drexel Court, New City, NY 10956
TEL (914)425-0234 FAX (914)425-3430

CHICAGO
106 Wilmot Road, Suite 110
Deerfield, IL 60015
TEL (847)267-1080 FAX (847)267-1088

ATLANTA
Clare Stefan
Regional Sales Manager
PMB 232, 4401 Shallowford Road, Suite 192
Roswell, GA 30075
TEL (770)998-6328 FAX (770)998-1289

DETROIT
Bruce Wynkoop
Wynkoop Associates, Inc.
2685 Lapeer Rd.
Auburn Hills, MI 48326
TEL (248)373-1026 FAX (248)373-0600

WEST COAST
Carol Weinman
Regional Sales Manager
395 Del Monte Center, Suite 317
Monterey, CA 93940
TEL (831)373-6125 FAX (831)373-6069

NEW ENGLAND
Toby Bronstein
Publisher's Edge
393 Totten Pond Road, Suite 204
Waltham, MA 02451
TEL (781)890-4420 FAX (781)890-4422

CANADA
John Magner/Colleen T. Curran
York Media Services
99 John Aselford Drive
Kanata, ONT K2W 1A8
TEL (613)839-3749 FAX (613)839-2555

MAIL ORDER/CLASSIFIED
Barbara Jones
Mail Order Sales Manager
181-20 140TH Avenue
Springfield Gardens, NY 11413
TEL (718)712-0757 FAX (718)712-1061

Shown: Bucks County Southern Ledgestone. In background: Lakeshore River Rock

Stone speaks volumes about the quality of a home. Cultured Stone® veneers look and feel like stone and are made from stone, yet install for a fraction of the cost—facts that explain Cultured Stone's worldwide acceptance. For a catalog or information about StoneCAD®, the interactive CD-ROM design tool, visit www.culturedstone.com or call 800-644-4487.

NAPA, CALIFORNIA MADE IN U.S.A.

CULTURED STONE®

Circle no. 179 for free brochure

Circle no. 183 for $5.00 catalog

OWENS CORNING

© 1999 CULTURED STONE CORPORATION

red asphalt shingles laid with too much exposure for each shingle and clumsily wrapped around all the eaves. Good lord, I've always thought, the roofer must have been drunk. He couldn't see the edge to stop shingling. Must've shingled gutters and all!

Now, however, I know what this house is all about, thanks to your eye-opener on "Thatch in America." [This feature in the April 2000 issue describes steambent and wrapped wood shingles, a romantic device popular during the 1920s. —EDITORS] I spent a good quarter-hour last Saturday really studying the house. Yep, it's pseudo-Elizabethan—with tiny-paned casement windows and a few dark timbers. I imagined the stucco (now filthy and portland-patched) its original dark ochre. And the roof! It should have wood shingles (or even asphalt) tightly laid in a wave pattern. American thatch!

Isn't it amazing what neglect can do? This house (unique in the neighborhood) was once artfully medieval, cozy rather than dingy. I'm going to leave your issue on the doorstep. The owners probably don't even know what they have.

—KERRY MASTERSON
via e-mail

OH THE THRILL

IT WAS SHEER DELIGHT to see the wonderful spread about our house in the February issue. ["Old-House Living," page 14] Peter's cousin in Iowa, whose wedding present had introduced us to OHJ, said that she couldn't help but scream with excitement as she stood at the magazine rack in the bookstore. The Old Northside neighborhood association passed the magazine around at their monthly meeting.

We continue to be busy working on the house. Since you were here, we have stained and polyurethaned the woodwork in the family room. Shutters have been ordered. The library is scheduled to be papered in March.

—PETER AND DONNA MICHAEL
Indianapolis, Indiana

OLD-HOUSE MAGS

MAYBE YOU CAN HELP me locate a magazine I believe is related to *Old-House Journal.* I am about to tackle my second restoration and decorating project and need design tips. I've been an off-and-on subscriber to OHJ since the late 1970s, and have watched its evolution through various incarnations with interest. I thoroughly

enjoy the current format—beautiful job.

The other magazine I'm seeking is called *Old-House Interiors.* I saw an issue a year or two ago but cannot locate it on the newsstand. I recall that it had a similar feeling to OHJ, but featured period rooms and advice on paint color, rugs, furniture, etc. Is it available through your company?

—MICHAEL GUIDRY
Montreal, Quebec

Although they now have separate owners, the two magazines are indeed related. Old-House Interiors *was launched five years ago by the editors of OHJ, and many of the same writers and editors contribute to both publications. You can order* Old-House Interiors *by calling (800) 462-0211.*

—PATRICIA POORE

GUARANTY'D WRONG

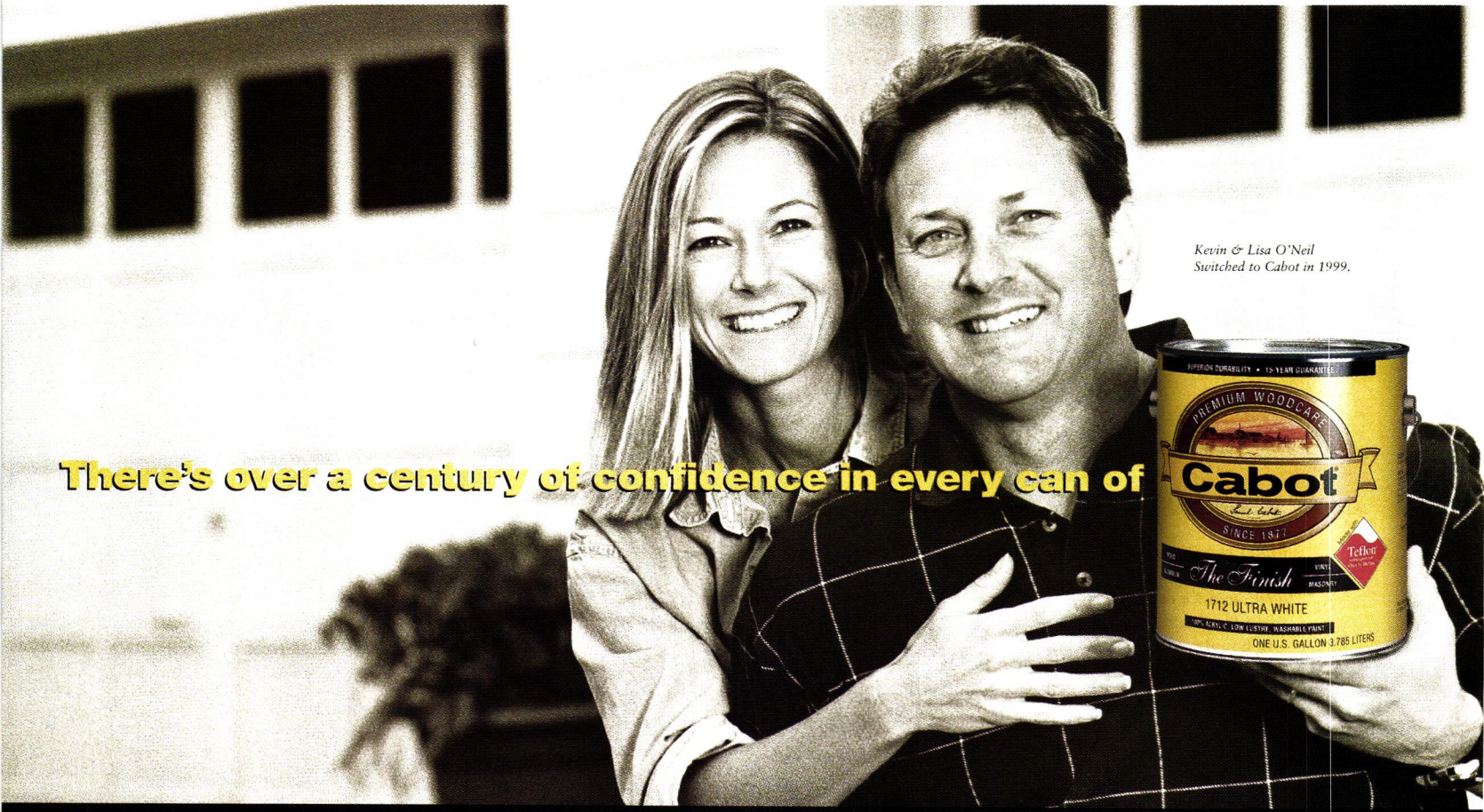
THE SHORT PIECE on Louis Sullivan ["Who They Were," April 2000] does a great job of introducing your readers to this visionary but oft-overlooked architect. Those seeking to view firsthand the beautiful office building pictured at the top left of page 42 should, however, go to Buffalo, New York, and not to St. Louis, Missouri. The building in question is the Guaranty (now know as the Prudential) Building, and not the Wainwright Building.

—ROBERT W. HILTONSMITH
Radford, Virginia

All I can say is Ouch! I hate making mistakes this embarrassing, and you're kind

to note that the point of the caption still holds. The buildings are indeed much alike architecturally (especially when seen in b&w proofs). But of course we noticed the gaffe, too late, as soon as the issue arrived from the printer.

—GORDON BOCK

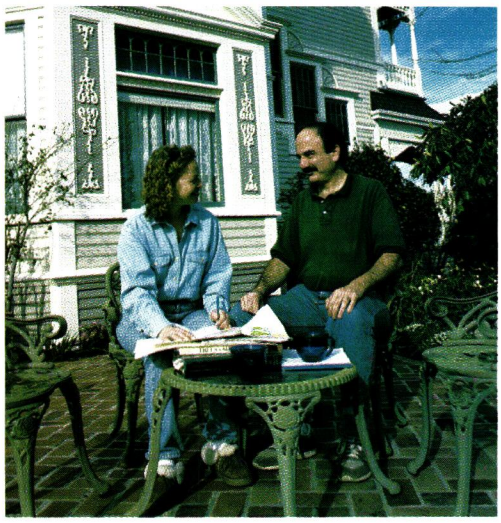


Circle no. 86

To locate the retailer nearest you, call 1-800-US-STAIN ext. 416.

Radiant in Ferndale *by Mary Ellen Polson*

WHERE DO YOU GO when you've just sold a successful software business, and you can live anywhere you want? Glenn and Gail Giaimo enjoyed a 180-degree view of the Cascade Mountains north of Seattle, but they dreamed of small-town life in the country, as seen through the rosy glow of Queen Anne windows.

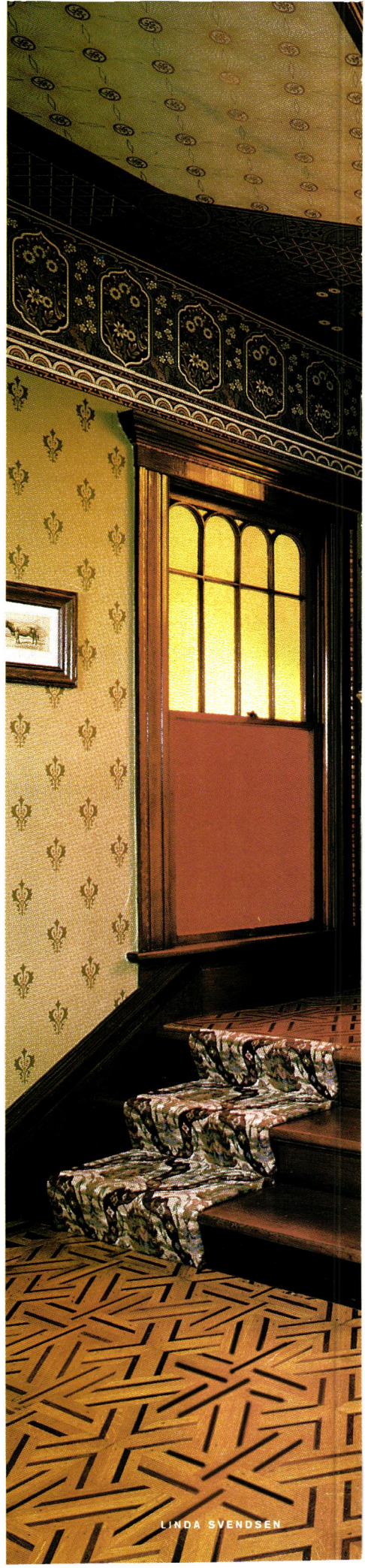


Glenn and Gail Giaimo traded one kind of challenge for another when they sold a busines and bought a 1901 Queen Anne on 20 acres.

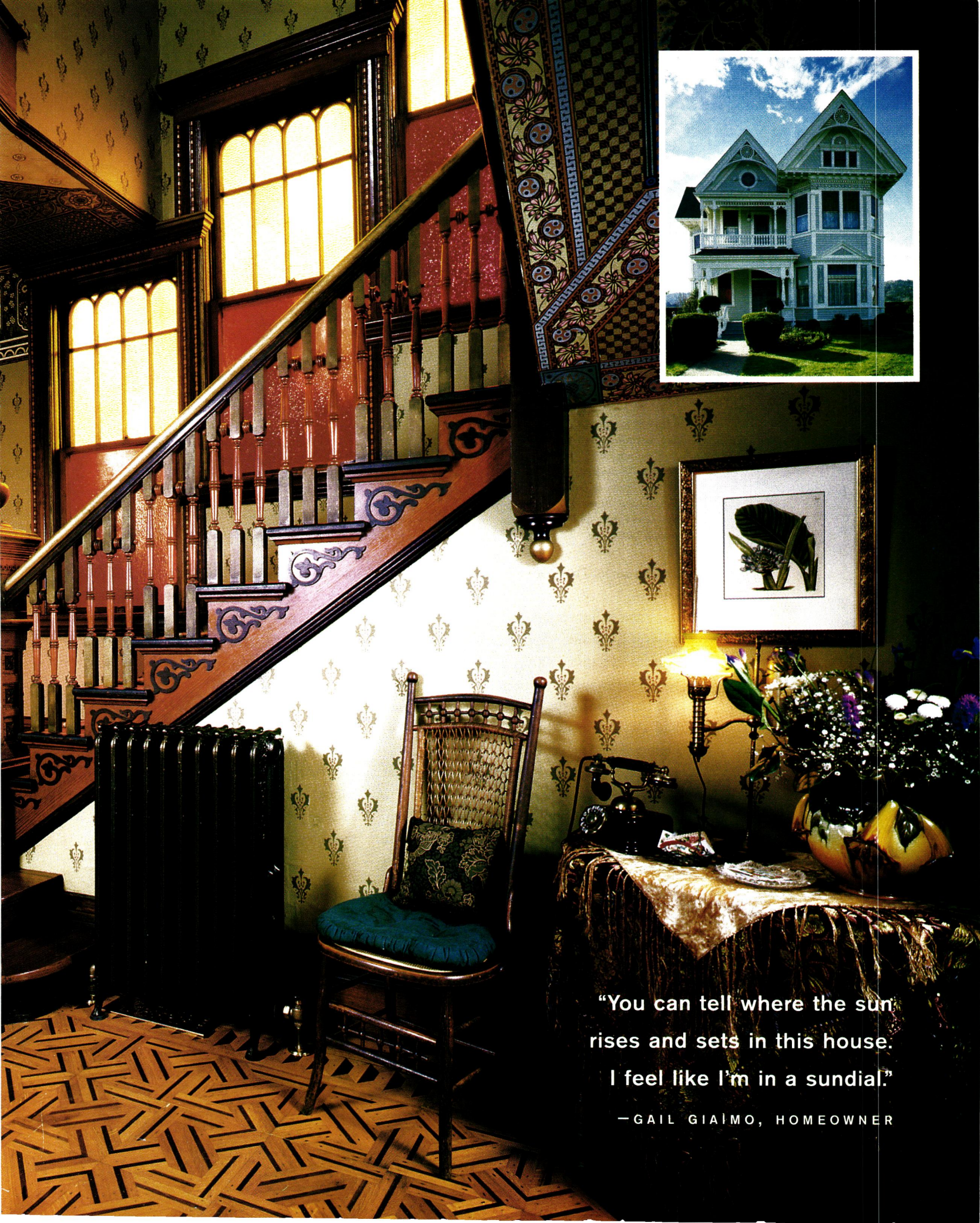
Worn out by urban congestion and smog, the Giaimos were tired of timing their lives to the rhythms of the rush-hour commute rather than the seasons.

"I think we wanted to live in a rural area for several years," says Gail as a vintage clock softly chimes in the background. "We wanted to find a community that isn't going to change overnight, like what's happening all across America. Ferndale is one of those little jewels that I hope will stay the way it is."

Gail and Glenn didn't find Ferndale right away. At first they searched for an old house with acreage in Oregon and Washington state. By the time they reached a bed & breakfast in the San Juan Islands, they were thoroughly frustrated. "There was a man at the breakfast table who overheard me whining about not finding what I wanted," Gail says. "He asked us if we'd checked out Humboldt County. It's in true northern California. 'You've got to look at Ferndale,' he told us. 'You are describ-

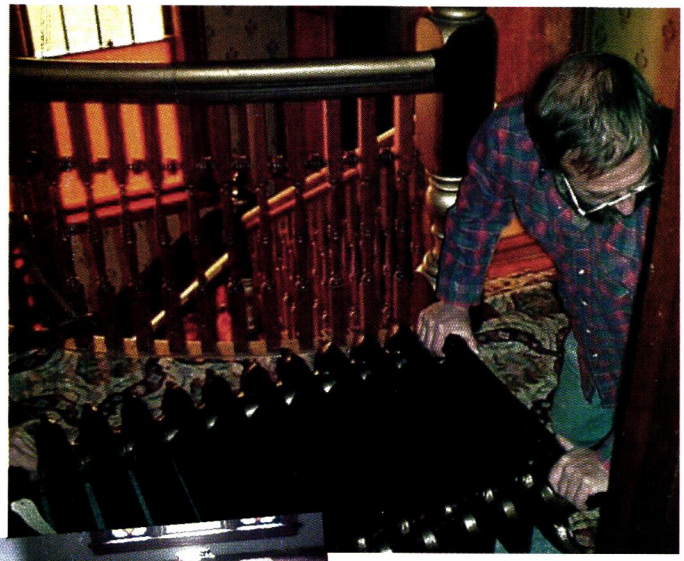


LINDA SVENDSEN



"You can tell where the sun rises and sets in this house. I feel like I'm in a sundial."

—GAIL GIAIMO, HOMEOWNER



Top, left to right: Polyethylene tubing ready to go under the floorboards. A workman slides a radiator through the upper hall, while a crane delivers another to the second storey. Bottom: Glenn and Gail found time to do up a period bathroom.

QUEEN ANNE

OWNERS: Glenn & Gail Giaimo

LOCATION: Ferndale, California

DATE OF HOUSE: 1901

ON-GOING PROJECTS: Completing the barn, which features matched sets of vintage hardware restored by Glenn and adaptations of period entry and roll-up doors designed by Gail.

OF INTEREST: Gail designed the walkway on the east side of the house, using a combination of old and new bricks, and agates "from 15 years of agate hunting on the Oregon coast with Glenn."

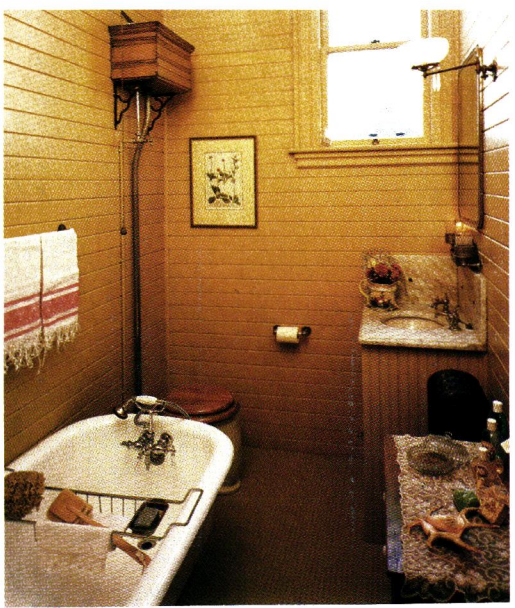
ing Ferndale. They call it behind the redwood curtain.' "

Quiet little Ferndale, a pristine Victorian town of 1,400 souls 300 miles north of San Francisco, is certainly remote. The only road into town crosses a narrow bridge. Despite the physical limitations—the town sits in a floodplain and also lies in earthquake country—the Giaimos fell hard for Ferndale. "It's really the townsfolk that attracted us," Glenn says. "Ferndale is a very friendly community."

Once the Giaimos found the right town, they waited for the right house. Ironically, the 1901 Queen Anne they ultimately bought had been on the market for months, billed as a potential bed & breakfast. The house had all the elements Glenn and Gail were looking for: it was beautiful and historic, surrounded by rural countryside, and most of the interior work is period. "When our realtor faxed us the listing, we got so excited we flew down that day," Gail says.

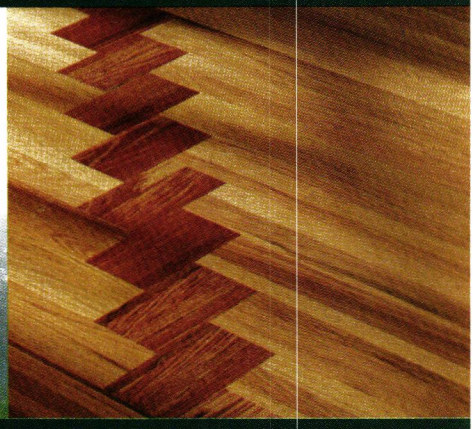
"In the spring and summer, it is extraordinarily beautiful here," says Gail, as birdsong mingles with the sound of wind chimes on the protected east side of the house. To the south is a grandmother's garden with flowers timed to bloom in waves with the seasons, and in one corner, a gazebo trellised with roses. "I made the gazebo extra fanciful, because once the roses start growing they're going to cover three-quarters of it. When you walk underneath, it will be like a Japanese lantern."

Since moving in two years ago, Glenn and Gail have diverted the energy they once poured into their business into the property. The couple left no stone unturned—and no window unwashed—in a mammoth restoration focused primarily on the house's exterior. When they chemically stripped the exterior paint (a



GLENN AND GAIL GIAIMO (TOP)
LINDA SVENDSEN (RIGHT)

IF YOU COULD BE A TREE, WHAT KIND OF TREE WOULD YOU BE?



Would you be an oak? Your surface full of character. Tradition ingrained in your roots. Classic and timeless. Standing tall and proud.

Maybe a maple, smooth and simple both inside and out. Relaxed and refined. Colorful, sweet and cool.

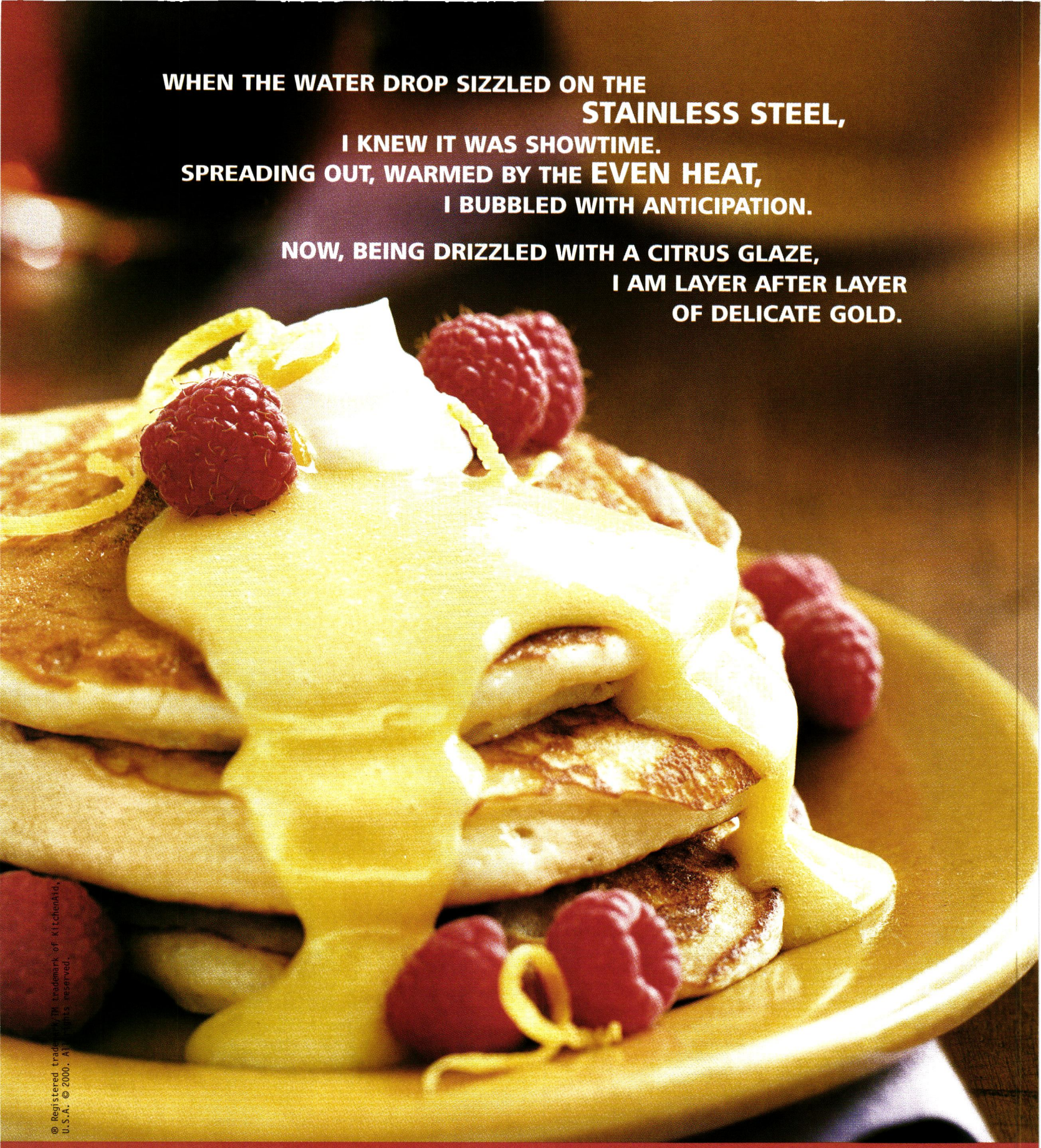
Or would you be an entire forest? A symphony of diverse styles, colors and experiences intertwined into one.

What kind of tree would you be? Hartco — patterns to suit every tree.

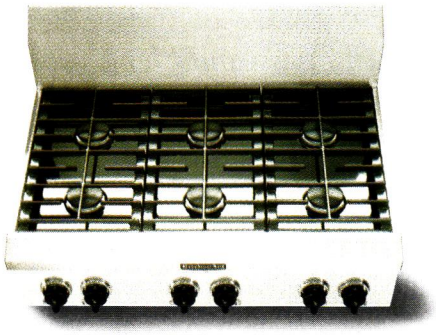
For an Elite dealer near you call 1-800-442-7826, or visit us on the web at www.hartcoflooring.com

Hartco®
Quality Wood Flooring
an Armstrong company

Circle no. 456



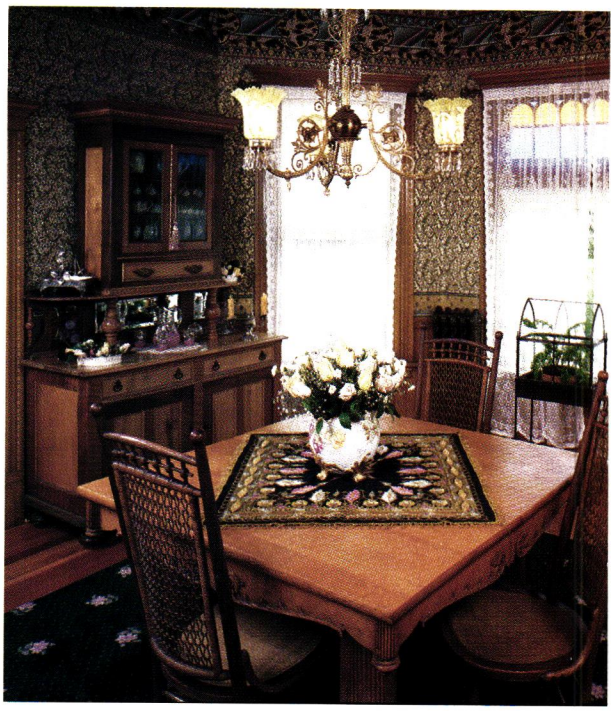
® Registered trade/TM trademark of KitchenAid,
U.S.A. © 2000. All rights reserved.



Introducing the 36" Pro Line™ Cooktop with the cooking power of 15,000 BTUs. Combine it with five-ply Stainless Steel Cookware and the legendary Stand Mixer, and you'll never want to sleep in again. For our Lemon Soufflé Pancakes recipe, and to view the entire KitchenAid® line, visit www.KitchenAid.com, or call 1.800.422.1230.

KitchenAid™

FOR THE WAY IT'S MADE.™



Top left: The west parlor, furnished with Victorian antiques and collectibles. Top right: The table set and sideboard are original to the dining room. Below: Gail designed and helped lay the walkway on the east side of the house.

Placing the radiators "was like a three-dimensional puzzle. I figured out which ones would look good in the same room."—Gail Giaimo

procedure they don't recommend), they discovered rot everywhere. The Giaimos enlisted a team of carpenters to repair or rebuild every stick of millwork on the lavishly decorated three-storey house, listed on the National Register of Historic Places.

"Two-thirds of the bottom window sashes had to be rebuilt," Gail says. "We have 775 individual panes of glass here. Every one was pulled out. Whenever it was glass day, which was about two or three times a week, Glenn and I would wash them in the kitchen, hand them back to the glazier, and then cut into his backbed glazing and clean every single pane individually."

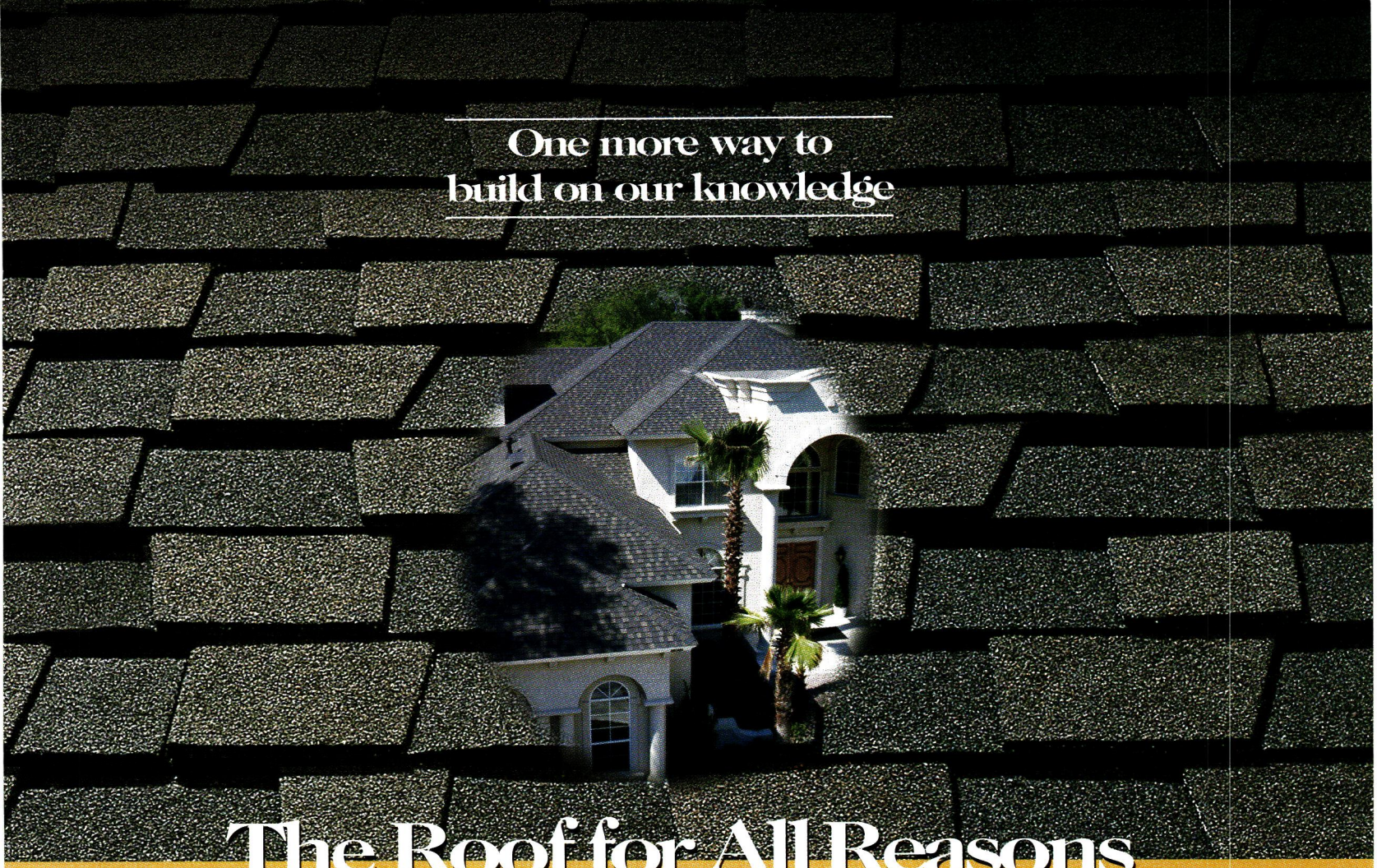
With the exterior carefully repaired and painted, Gail and Glenn turned their attention to another project: the house's decidedly awkward forced hot air heating system, supplemented by pellet stoves. "We hauled in 160 pounds of pellets every day just to heat this house during the winter, and ran the forced air heat on top of that," Glenn says. "We were spending over $600 a month on heat."

The Giaimos wanted a more efficient system that would also look appropriate in the house's high Victorian interior. They decided on hot water radiators. Hot water systems tend to be more efficient than steam systems, and with vintage radiators, look just as appropriate in a 100-year-old house. A local company calculated the BTUs required, then converted that figure to give them a count of radiators of a certain size.

Now all they needed were enough vintage hot-water radiators to heat the 4,000-square-foot house. Glenn bought the first batch from

LINDA SVENDSEN (TOP)
GLENN GIAIMO (RIGHT)

One more way to
build on our knowledge



The Roof for All Reasons

Another triumph of knowledge over Mother Nature.

Wind...fire...algae. No match for our **Ambassador Shake™ Shingles** with the ***Highest UL Class "A" Fire*** and ***UL wind rating***, the coveted ***Good Housekeeping Seal***, and a ***Lifetime Transferable Warranty***. We commend our engineers and designers for making Ambassadors ***thick***, casting beautiful shadow effects. Plus 3M™ Algae Block™ keeps them from turning dark and dingy from algae build-up. But don't think their beauty is only skin deep, they are engineered tough, ***three layers deep***. Ambassadors are another example of the knowledge we have to share with you and your roofing contractor. To learn more about Celotex roofing, visit our learning center, Celotex Tech, at www.celotex.com or call *1-800-CELOTEX* "We're the company you can talk to."

Good Housekeeping Promises

"Celotex® Tri-Laminate Shingles have earned the prestigious GOOD HOUSEKEEPING Seal which means GOOD HOUSEKEEPING stands behind this product."

3M Algae Block™
Copper Roofing Granule System

Celotex

Build On Our Knowledge™

CEILING TILES / SHINGLES / GYPSUM BOARD / RIGID FOAM INSULATION

Circle no. 83

© Celotex Corporation, 1/00

- Ace Royal Interior Paint
- Ace Royal Exterior Paint
- Ace Wood Stain
- 6' Aluminum Stepladder
- All-Purpose Dropcloth
- Masking Tape
- Paint Thinner
- 2" Stain Brush
- Roller and Tray Set
- Ace Water Sealant
- Ace Polyurethane Spray
- Texture Roller Covers

Your one-stop paint shop.

ACE®
acehardware.com
or OurHouse.com

Glenn and Gail put old quilts to good use in the master bedroom. The Giaimos began collecting Victorian antiques before they bought the house, then added more after they moved in.

an old hotel in Eureka. "I'd get them home and half of them would leak," he says. "You have to spend hours pressure-testing them."

Then he found a Massachusetts company—A-1 New & Used Plumbing & Heating Supplies in Somerville—that would do the testing for him. The Giaimos ordered 34 radiators—totaling 7,500 pounds—and had them shipped across country. The radiators are all different. For example, one has an asparagus motif, another is patriotically decorated with stars and stripes. Each radiator was powder-coated: electrically charged, sprayed with fine gold powder, then fired at about 600 degrees F. The results are beautiful to behold.

Gail knew how many cubic feet of radiators she needed in each room, but because the radiators varied in size and style, placing them was a challenge. "It was fun—like a three-dimensional jigsaw puzzle. I figured out which radiators would look good in the same room."

A team of plumbers and helpers spent more than 600 hours routing polyethylene cross-link tubing through baseboards and under floorboards to link the system. A high-efficiency hot water heater pumps water heated to 180 degrees F through the tubing to radiators on all three floors. The result is a pleasant, even heat. "It's working wonderfully," Glenn says. "A-1 deserves some credit here, because there's no way we could have figured this out on our own. We've had people walk into the house and say the radiators look like they've always been here."

Now the Giaimos are immersed in an even bigger project: creating and enlarging an old dairy barn on the property. Sympathetic to the original design, the new structure incorporates hundreds of board feet of salvaged old-growth redwood, matched sets of Eastlake hardware refurbished by Glenn, and windows glazed with vintage glass. It will house Gail's studio, an auto restoration workshop for Glenn, and a memorabilia room, complete with an 1892 soda fountain.

"We've got the old ice cream bins that go in here, strawberry and chocolate and all the different flavors," Glenn says. "There are 10 of them, and we hope to use them again."

"Oh boy," says Gail. "Another adventure."

LINDA SVENDSEN

First, we capture nature's

endless palette of colors

in our quality paint.

Then we help you bring those colors

right into your very own home.

Shop at acehardware.com or OurHouse.com

ACE®

Circle no. 426

©2000 Ace Hardware Corporation

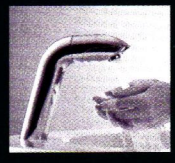
www.kwcfaucets.com

KWC VESUNO

SOLID STAINLESS STEEL SPLENDURE™ POLISHED NICKEL SPLENDURE™ POLISHED BRASS POLISHED CHROME

introducing the world's first integral single lever wall & deck faucets designed for above-the-counter bowls

from KWC FAUCETS, the leader in Swiss innovation & quality for over 125 years



THE DREAM STREAM
FOR OVER 125 YEARS

KWC
FAUCETS

Circle no. 452

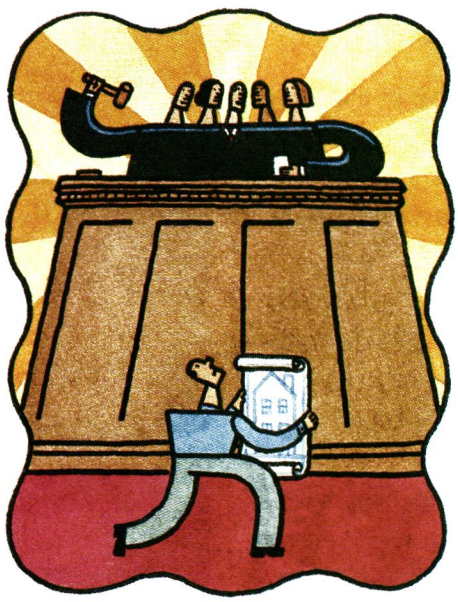
KWC LIFETIME warranty
Ask your dealer for details.

888.KWC.FCTS (888.592.3287)

Selling a Historic Review Board

MELANIE WERLING of Park City, Utah, had a successful track record with her town's historic district commission. After all, she and her husband had restored their 108-year-old home with matching grants from the city, a process that required the preservation board's approval for each phase of the project.

So Werling was surprised when her application for an 1,800-square-foot rear addition was turned down by the same board. In a year's time, the makeup of the commission had changed, and so had its attitudes about additions. The Werlings had stumbled on a common problem facing homeowners in historic districts: no matter how closely you follow the rules and guidelines, approval is never a foregone conclusion.



Local historic review boards have unrivaled power in many historic neighborhoods. Whether the moniker is architectural review board, historic preservation commission, or historic district commission, the bottom line is the same. The board—usually made up of volunteers— reviews anything from the width of the siding you propose to the color you intend to paint your shutters. If you fail to make a strong case for your proposal, this citizens' board may turn down your application, derailing your plans.

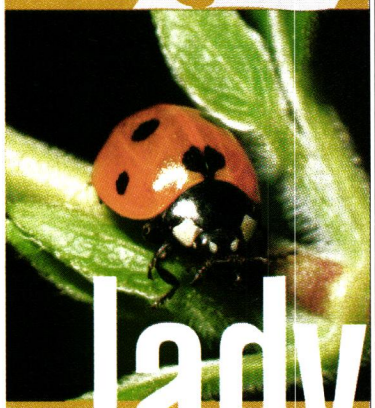
While the Werlings certainly don't fall into this category, the most common mistake homeowners make is failing to consult review boards and support staff *before* they finalize plans with an architect or contractor.

When you're dealing with an agency that's the only game in town, it pays to be prepared—and to keep in touch, if that's what it takes to win approval. Here are some suggestions for getting your act together before you face the music.

- Begin working with permitting boards and agencies early and proactively. Before you even apply, attend a couple of board meetings and watch the proceedings. Meet with the key people and survey the lay of the land. Are there issues that traditionally bother the board members?
- If there are standards, what are they? Get a copy of the most recent review guidelines, and discuss how they may effect your plans with review board staff members.
- Talk to the neighbors about your plans. People like to hear the news straight from the source. It puts them in a sympathetic frame of mind. If the folks most likely to be affected by the change don't object, gather signed statements from them.
- Understand what you're asking for and be able to justify your request. If you're asking the board to bend a well-

[*continued on page 28*]

Lady bugs



fly away home more often than ever these days. Spring weather now brings record numbers of the Asian species, which swarm on sunny surfaces such as windows and doors. Scientists believe the bug boom tracks an explosion in aphids, their favorite food. (The aphid excess, in turn, is linked to that all-purpose ecological whipping boy, El Niño.) Whatever their source the bugs are benign as child's verse; they don't bite humans or eat building materials. In fact, ladybugs are beneficial to agriculture and should not be harmed. The best evicting tool is a vacuum cleaner. Hold a piece of cloth over the nozzle to gather them alive, then release the bugs outdoors.

JAMES KACZMAN (ILLUSTRATION)
©RALPH A. CLEVENGER/CORBIS (TOP RIGHT)
©ROBERT PICKETT/CORBIS (RIGHT)

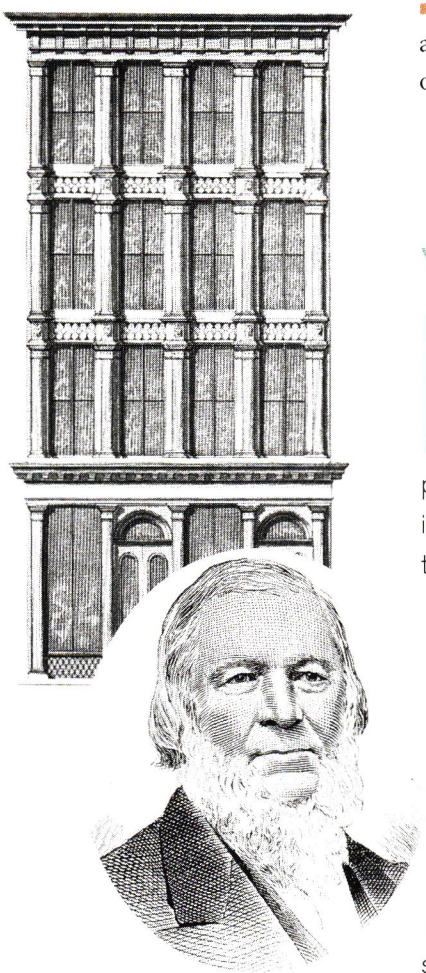
[REVIEW BOARD *continued from page 27*] established rule or guideline, be able to explain why you can't comply and why it's in the best interest of all concerned that you be granted a waiver.

1,800-square-foot

Werling was surprised when her application for an rear addition was turned down by the same board. In a year's time, the makeup of the commission had changed, and so had its attitudes about additions.

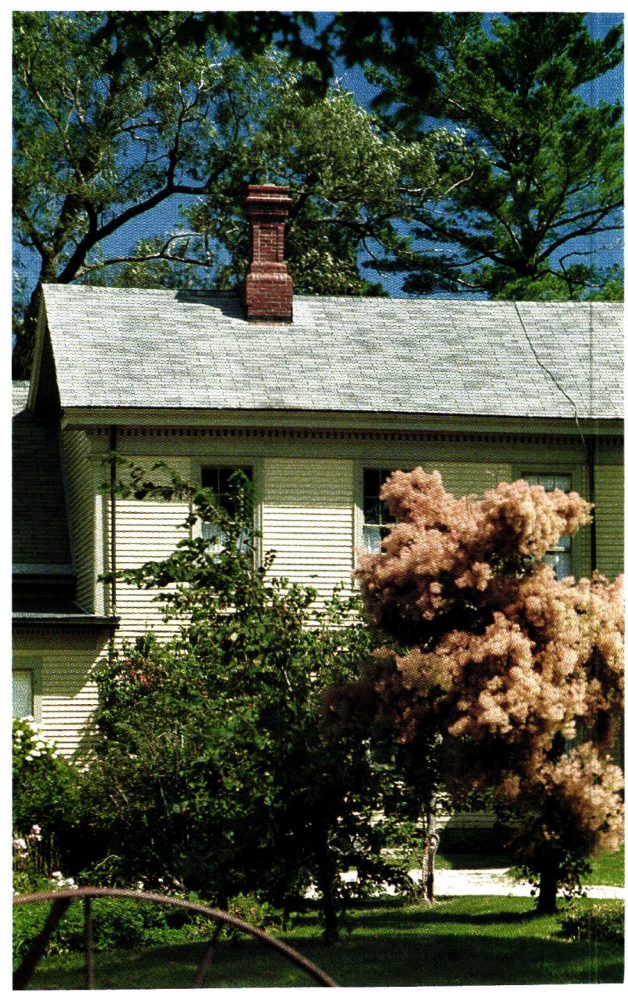
- When you're ready to face the board, prepare a strong case for your project. Include pictures of your home and the project area, drawings and elevations, relevant specifications, samples of proposed materials, and supporting documents—especially pictures of homes with similar renovations. Explanatory materials should be highly graphic; make the package available, in advance, to anyone who asks. Last but not least, be sure your proposal complies with all application requirements.
- Prepare the information in a way that makes it simple for board members to explain to others why they voted the way they did. Even if the board members like the project, these volunteers have to be able to answer challenges from neighbors.
- If all else fails, appeal—a strategy that ultimately worked for Werling, but only after her town review board once again changed its membership. Don't expect an appeal to be easy or cheap, though. At this point, you need the best legal advice you can find.

— CELIA K. LEHRMAN WITH JENNIE L. PHIPPS

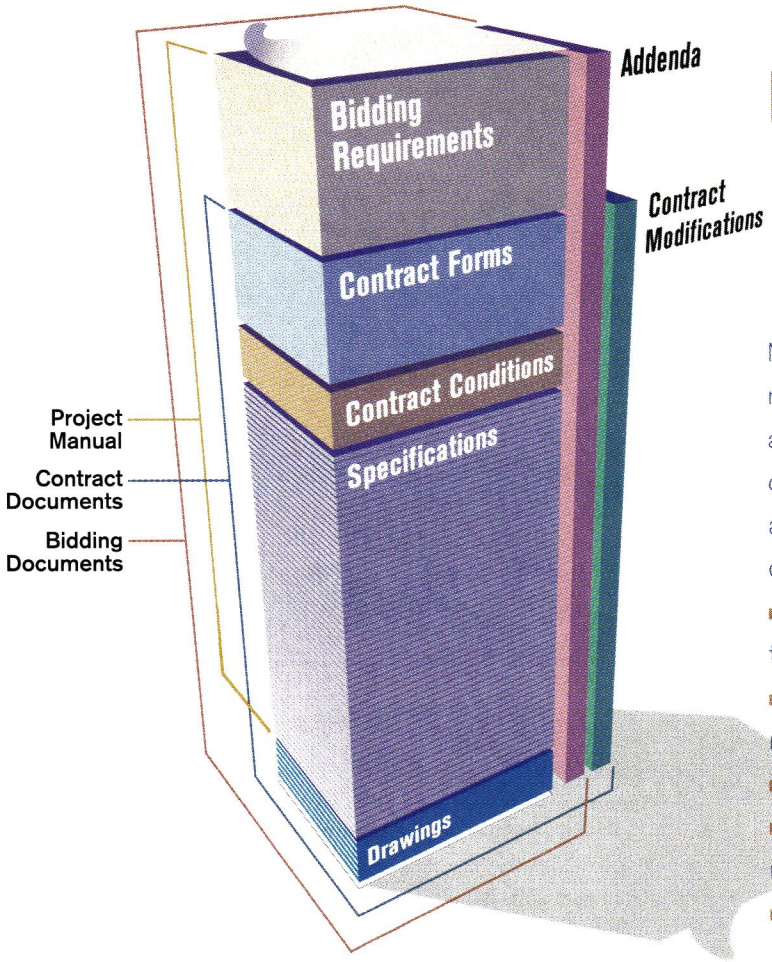


who they were . . .

If cast iron was the marble of the Industrial Revolution, then Bogardus was its Michelangelo. Trained as a watchmaker, **James Bogardus (1800-1874)** soon expanded into inventions of all ilks, from grinding mills to printing and textile machinery. By the late 1840s he was an expert ironmaster with his own foundry in New York and a genius for exploiting the metal. Early on, Bogardus grasped iron's plastic potential beyond the mechanical needs of locomotives and bridges, or decorative uses like fencing. Calling himself an **"Architect in Iron,"** he pioneered a system of modular, cast-iron building fronts that could be mass-produced in a factory, then bolted together on-site. Bogardus-style storefronts still stand in cities across the continent, and his concept led the way to skycrapers of the 20th century.



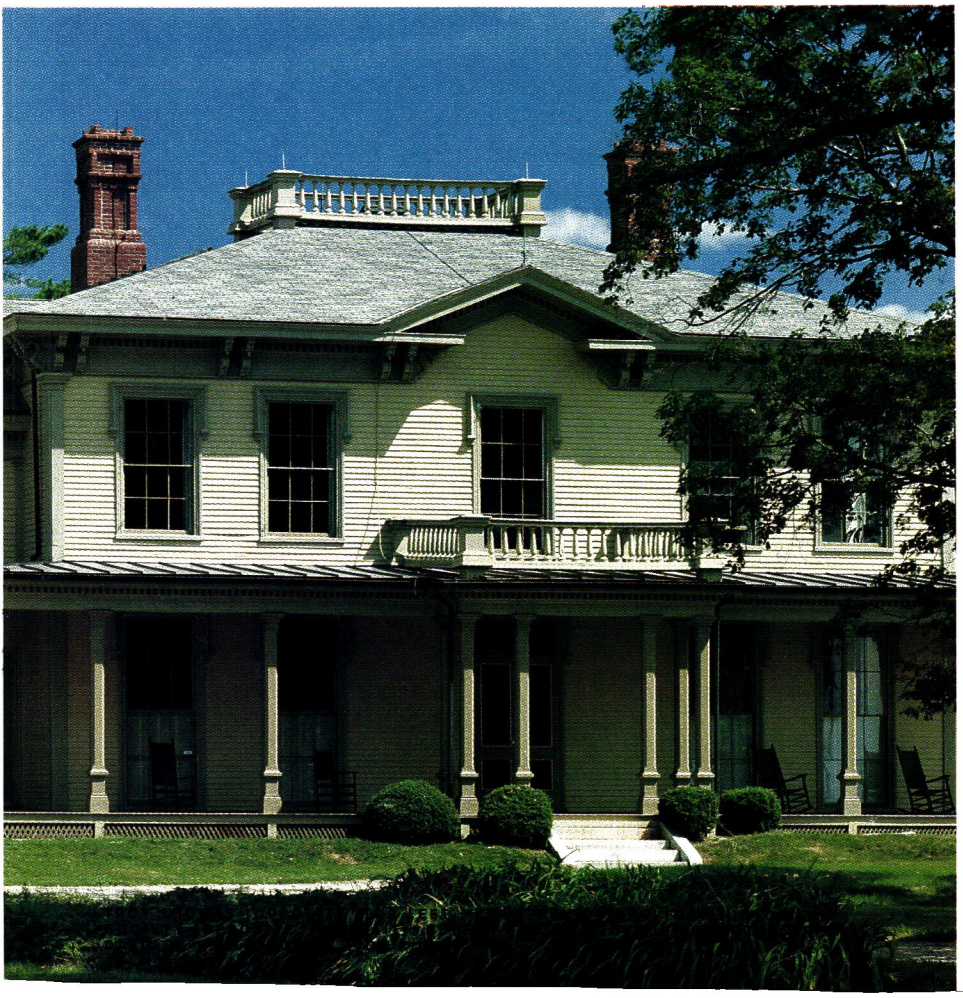
©COLLECTION OF THE NEW-YORK HISTORICAL SOCIETY (PORTRAIT)
JOHN VAN PELT (ILLUSTRATION OPPOSITE)
BRIAN VANDEN BRINK (RIGHT)



Deconstructing Construction Documents

More than a stack of papers, construction documents are the records and similar items that form a contract for a construction project. The exact contents may vary according to the type of work and the local requirements, but most construction documents will include:

- **OWNER-CONTRACTOR AGREEMENT** (essential terms of the construction contract)
- **CONTRACT CONDITIONS** (contract terminology, responsibilities of parties)
- **PLANS AND DRAWINGS** (project graphics)
- **SPECIFICATIONS** (written descriptions of materials, workmanship, etc.)
- **CHANGES TO THE ABOVE**



Wither the Widow's Walk?

Unmistakable among the features topping many old houses is the widow's walk. A narrow platform or walkway corralled by a railing, the origin of the widow's walk is hard to pin down. The term itself of course is romantic, painting the image of a rooftop wife scanning the horizon for a seaman who will never come home.

More down-to-earth are the practical facts. Though widow's walks are popular on the New England coast, they appear far from the shores of any sea. In the 1880s they were the height of fashion for Colonial Revival houses. They have clear ancestors in the top railings of flat-roofed Adam houses of the 18th-century, where the grille of the railing rides like a crown. Or maybe the widow's walk is closer to its Victorian cousin: cast iron roof cresting. Here the perforated band of building material becomes fencing for the roof, for the simple purpose of softening the line between house and sky.

Summer School for Old Houses

THIS JUNE, James Massey and Shirley Maxwell, OHJ's longtime Contributing Editors, will present their annual intensive short course, "The Restoration and Preservation of Historic Houses and Buildings," at Drew University in Madison, New Jersey. The course can be taken as a credit-bearing part of the Certificate Program in Historic Preservation at Drew, or simply for personal education.

As in the past, Jim and Shirley will supplement their engaging lectures and readings with a hands-on study of a building on the Drew campus. This year's "living laboratory" will be Sycamore Cottage, an early house that was once part of the local Gibbons estate. During the study, the class will break into teams to measure, photograph, and record the building to produce a mini Historic Structures Report. Students will also make recommendations to the University for the preservation of this historic property.

The course starts June 6, 2000 and continues on a rolling schedule to accommodate classroom and field study: June 8 (7 to 9 pm); June 10 (9am to 4 pm); June 13 (9am to 2pm), and June 14 and 15 (7 to 9pm). For more information on the course or the Certificate Program, contact Pat Peek at Continuing Education (973-408-3185).

VERNACULAR HOUSES

SOUTHCOTT HOUSES

Two great fires and a family of builders gave St. John's, Newfoundland, its characteristic house. Builders John and James Southcott arrived in the capital city to help rebuild soon after the first fire, in 1846. By the time of the second conflagration, in 1892, the brothers' version of the Second Empire style was so popular that most residential streets were rebuilt with Southcott houses. Southcotts usually feature two bay windows on the first storey and a bell-cast, mansard roof with three bonnet-topped dormers. The most unusual feature is the lack of a front door; the main entrance is at the side. Southcotts remain popular in St. John's today.

— Katherine Ashenburg, Toronto, Ont.

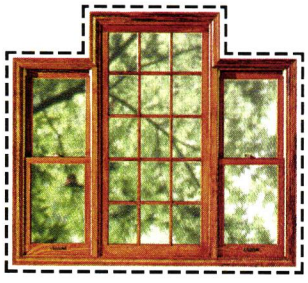
B&B FOCUS

THE INN AT 410, FLAGSTAFF, ARIZONA

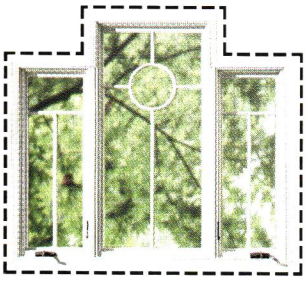
Just over 100 years old, the Inn at 410 has been through a lot of changes. It began life as a Folk Victorian farmhouse in 1894, then went big time when a millionaire banker gave it an Arts & Crafts makeover in 1907. By the 1970s, it was a fraternity house. "After the frat left, the house was turned into student apartments, so it had been pretty roundly neglected," says Howard Krueger, who bought the inn with his wife, Sally, in 1993. "We're just so happy that the common areas have historic character." **4 suites, 5 rooms, $125–175, 410 N. Leroux St., Flagstaff, AZ 86001, (800) 774-2008, www.inn410.com**

NED PRATT (TOP)

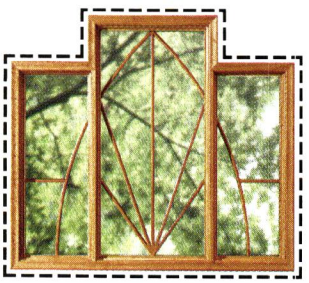
Think of the possibilities.



Whether it's a single window or a major remodel, we can help. Because at Marvin, we make more wood windows and doors in more sizes, shapes and styles than anyone.



And when you add our optional, exterior aluminum cladding, you can lower your home's maintenance requirements and increase its value at the same time. See? Change is good.



For a free brochure, call 1-800-268-7644.

MARVIN
Windows and Doors

(In Canada, 1-800-263-6161) www.marvin.com

"Think of the possibilities" is a registered trademark of Marvin Windows and Doors

Made for you.

6800005A

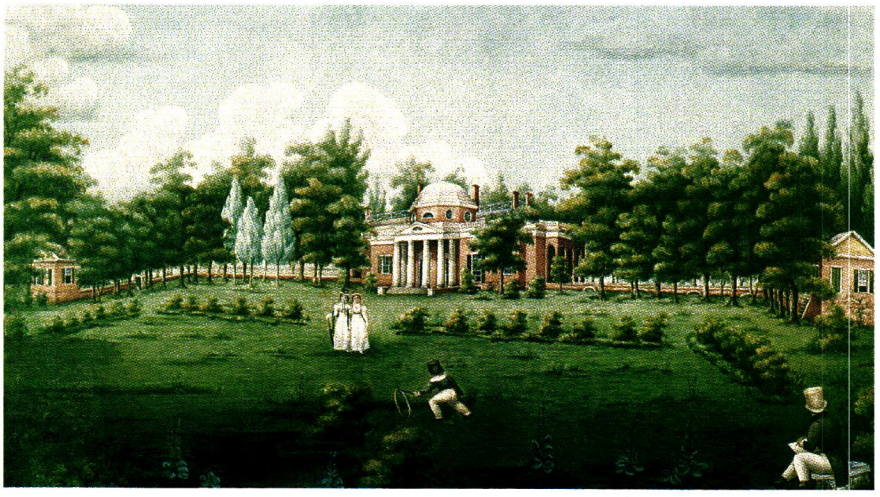
Circle no. 232

The Culture of Grass *by Nina A. Koziol*

IN ALL ITS LUSH GREEN, velvety splendor, the lawn sets the stage for the American residential landscape. Often manicured to perfection and free from weeds, thanks to doting homeowners and landscape services, the lawn provides an attractive setting where children play and adults enjoy park-like vistas that sweep across property lines. What would summer be without the familiar buzz of lawnmowers and the constant "shushing" of sprinklers?

Surprisingly, the lawn as we know it is a relatively recent phenomenon. Before the close of the Civil War, only the wealthy had lawns. Enamored of the rolling turf of English manor houses, George Washington and Thomas Jefferson sowed seas of green around their estates. One 19th-century visitor to Monticello recalled a "beautiful lawn of two or three acres, where his grandchildren used to play a great deal." Most early Americans, however, were too busy maintaining their households and farms to think about creating lawns for pleasure.

In colonial times, "mowing the lawn" meant setting livestock on the tangle of wild grasses and native flowers that comprised the home landscape, or infrequent shearings with a sharp scythe. Since it took three skilled workmen a full day to scythe an acre of ground in the 19th century, the manicured lawn remained a fallow idea until about 1870, when the first push-type, reel mowers were introduced. Coincidentally, that



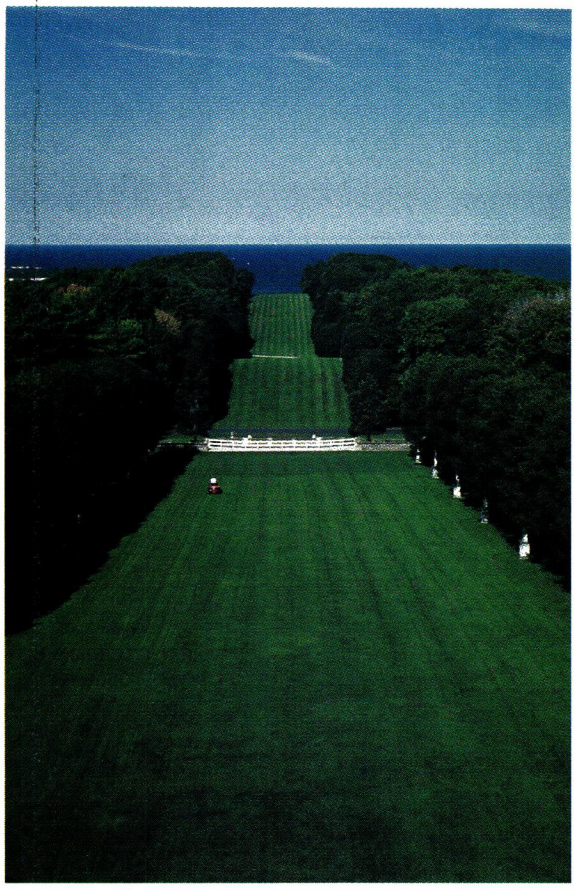
was also the year that Frank J. Scott advocated the lawnmower in his seminal book, *The Art of Beautifying Suburban Home Grounds.* Advertisements touted the Excelsior lawnmower as "so simple and safe a child can use it."

Armed with more leisure time, homes in suburban settings, and disposable cash, Victorian homeowners quickly embraced the lawn for its aesthetic and practical virtues. Well-tended turf became a status symbol and the perfect frame for properties small or large. Servants hauled tables and chairs outdoors and placed them on the living green carpet in what became the "outdoor parlor." Later, mass-produced iron chairs and settees and rough-hewn rustic benches replaced hastily moved indoor furniture, and the lawn became a refuge where homeowners played cro-

In colonial times, "mowing the lawn" meant setting livestock on the tangle of wild grasses and native flowers that comprised the home landscape.

Opposite: Maintaining a manicured lawn at Drayton Hall, an 18th-century plantation near Charleston, S.C., would have required intensive labor. Top: Jefferson's grandchildren played on the lawn at Monticello.

PAUL ROCHELEAU (OPPOSITE)
COURTESY OF THE THOMAS JEFFERSON MEMORIAL FOUNDATION, INC.



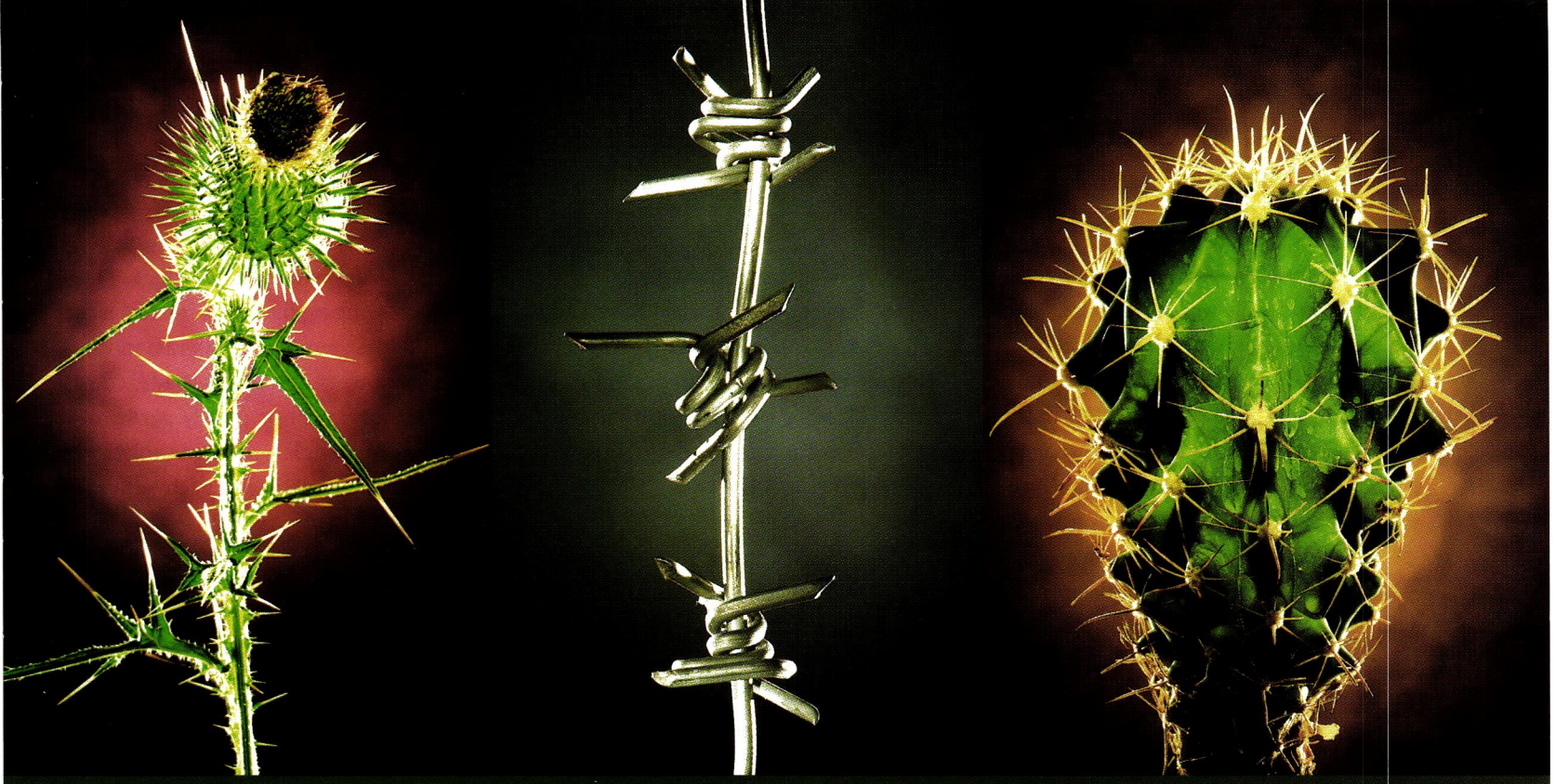
Clockwise from top left: The Grand Allee cuts a green swath to the sea at the Crane Estate in Ipswich, Massachusetts. Freshly mown grass was a status symbol to lawn-proud Victorians. Before the Civil War, rural lawns would likely have been scythed. A neatly kept circle of grass is the centerpiece for an early-20th-century driveway.

quet, badminton, or simply lolled on the grass.

In spite of watering and mowing, however, the lawns of yesteryear little resembled the uniform, green, pristine lawns we know today. Victorians sowed seeds of coarse pasture grasses to cushion the ground and prevent erosion. Sod, lifted from nearby meadows or prairies, contained numerous weeds and an assortment of tough native grasses. Homeowners overlooked the presence of dandelions, clover, plantain, and other invaders as long as they contributed to the illusion of a flat, verdant surface.

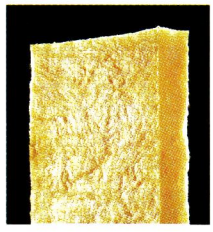
Enterprising homeowners achieved the effect of a sweeping green carpet by frequently rolling the lawn with cement rollers or metal cylinders filled with water for extra weight. A

TRUSTEES OF RESERVATIONS (TOP LEFT)
PAUL ROCHELEAU (TOP RIGHT); KEN DRUSE

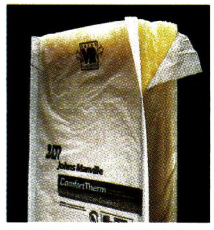


If the idea of installing insulation makes you think of these, you haven't heard of ComfortTherm.™

Installing insulation will never conjure up images of agony, misery or torture again, as long as you use ComfortTherm™ encapsulated insulation. ComfortTherm™ is wrapped in plastic, creating a barrier between you and the fiber glass. Which means there's less dust. And less dust means less itching. But ComfortTherm™ doesn't just make your remodeling project painless, it's also superior to ordinary insulation after it's installed. ComfortTherm™ has a built-in, poly vapor barrier which is twice as effective as Kraft facing. ComfortTherm™ can easily be installed in walls and between floors, and a wide range of R-values are available. Even getting information is easy. Call 1-800-654-3103 for a free ComfortTherm™ brochure or visit our website at www.jm.com/comforttherm.



Ordinary Insulation
produces dust that makes installation messy and uncomfortable.



ComfortTherm™ Insulation
is poly-wrapped, so there's less itch and dust during installation.

JM Johns Manville

© 1999 Johns Manville Corporation, Insulation Group

Circle no. 309

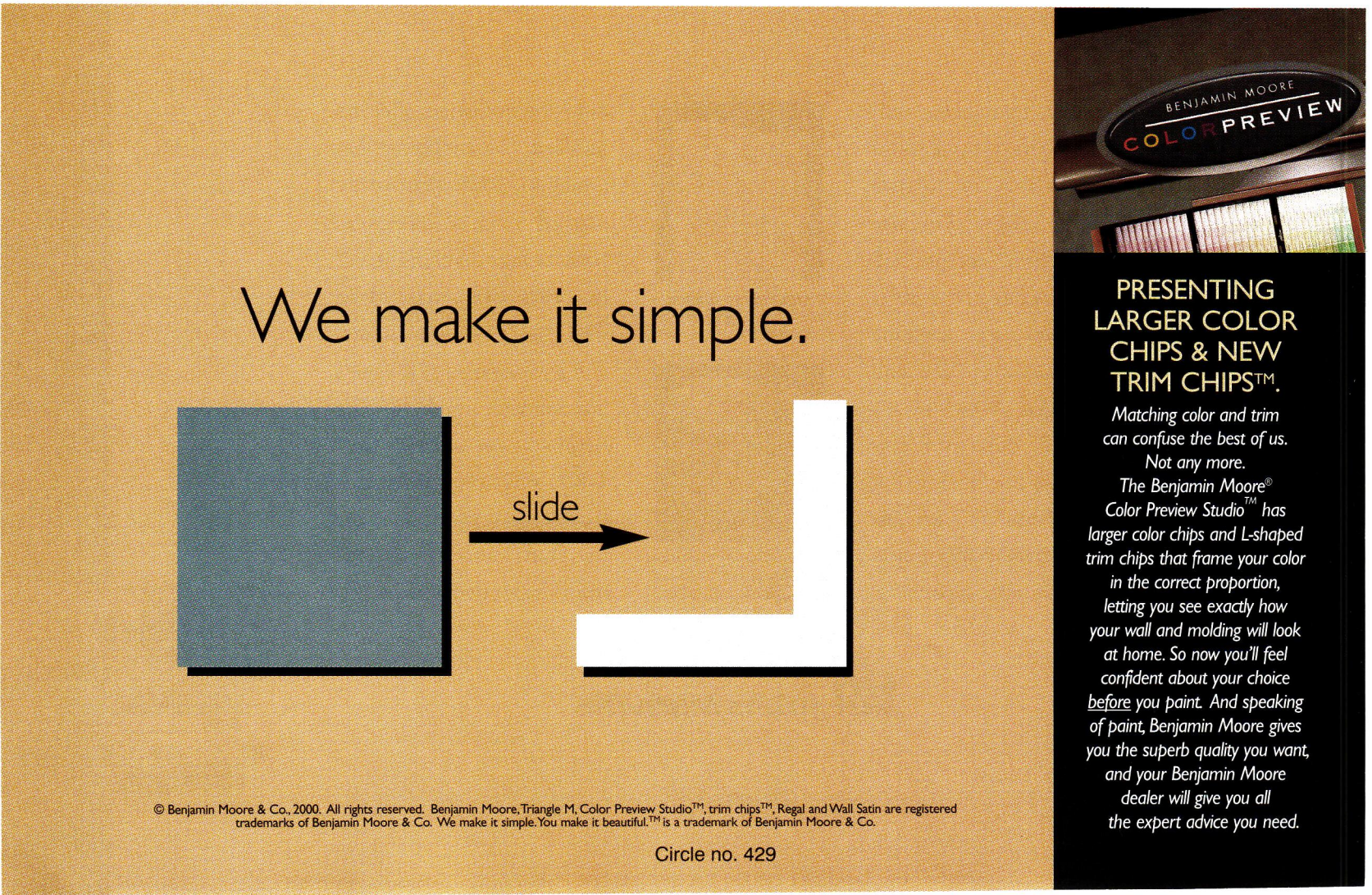
"The smooth, closely shaven surface of grass is by far the most essential element of beauty on the grounds of the suburban home." —FRANK J. SCOTT, 1870

well-kept lawn, in Frank J. Scott's view, was as important as a well-kept house. "Neatness and order are as essential to the pleasing effect of ground furniture as of house furniture," he wrote. By the 1920s, homeowners pitted lawn as well as house against their neighbors' in "home beautiful" competitions.

After World War II, the well-manicured lawn became a fact of life in America. The quintessential post-war suburb, Levittown, required tenants to cut the lawn at least once a week during the growing season. Meanwhile, the popularity of golf led to the development of fine-textured varieties of Kentucky bluegrass, fescue, and ryegrass, cultivated for uniformity of color, shape, durability, and hardiness.

A far cry from the roughly cut lawns of the colonial past, the 20th-century lawn is a truly artificial creation, dependent on the lawnmower for its health and good looks. Here are a few tips to keep your grass green as a dollar bill.

- Rake up leaves, debris, and dead grass before the first spring mowing.
- Select grass seed suited to local conditions to reseed bare areas. Most grasses require full sun to maintain a rich green hue.
- Set your mower blades so that the grass remains about 2" to 2 ½" tall. Cutting grass too short will stress it and encourage weeds. Aim to cut not more than ⅓ the height of the grass blades with each mowing.
- Grass growing in shade requires less fertilizer and less mowing than grass in full sun. Where trees cast dense shade, consider replacing thin or poorly performing grass with mulch or shade-tolerant ground covers, such as ivy, pachysandra, or periwinkle.
- Vary your mowing pattern once a month. Running the mower in the same direction each time can compact the soil in the wheel tracks. Sharpen mower blades regularly for crisp cutting.
- Leave grass clippings where they fall to help return nitrogen to the soil.
- Lawn rolling in the spring can help push grass roots heaved upward by freezing and



thawing back into place. Roll when the ground is moist, but not soggy.

- Water thoroughly to develop strong, deep root systems. Avoid occasional light sprinklings, which causes shallow roots and can make the grass more susceptible to disease, insects, and drought. Water early in the day rather than at night. Night-time watering can encourage fungal disease.
- If there is no rain, provide 1" of water each week. Use a small bowl in the center of the lawn to help measure. When the weather is hot and sunny, apply 1" of water every three days.
- Use a de-thatching or aerating machine in spring or fall, when the lawn has time to recover. The dead, spongy layer of grass at the base of the blades can prevent water from reaching the roots.
- Diseased lawns are often the result of poor drainage and over-fertilization. If insects are causing the problem, the local cooperative extension service or garden supply can help you identify the pest and suggest a control method.
- Take it easy with chemicals. Avoid "all-purpose" pesticides that can be toxic to many beneficial creatures, such as earthworms. Take a cue from the Victorians — lawns don't have to be perfectly weed-free and green year round. Use spot applications of herbicides to treat specific weeds, and avoid using pesticides on drought-stressed lawns.
- Fertilize and seed lawns in late summer or early fall when they face less competition from weeds. A soil test kit will help you determine what nutrients to add to the lawn.
- Renovate an existing lawn by mowing it to about half its normal height. Use a metal rake to remove clippings and thatch, and to expose soil and pull up weeds. Sow seeds, rake the entire area and spread with a thin layer of topsoil. Water newly seeded areas frequently.

ROGER FOLEY PHOTO

Once shunned as an invader, clover is making a comeback.

NINA KOZIOL *is a garden designer in Palos Park, Illinois.*

REAL WOOD PLYWOOD. DON'T SETTLE FOR SUBSTITUTES.

Quality You Can See

- G-P *Plus*™ plywood Sturd-I-Floor® has a fully sanded panel face and provides a smoother surface for finish floor materials.
- See and feel the difference of real wood veneer.

Versatility

- Ideal for use under a wide variety of floor coverings-carpet, vinyl tile, ceramic tile and hardwood floors.
- Don't limit your flooring options. G-P *Plus* plywood Sturd-I-Floor allows you the option to change your floor coverings later.

Performance You Can Depend On

- Plywood has been the preferred subfloor material for over 30 years.
- Superior stiffness and weatherability to alternative panels.
- Accept nothing less than plywood for the quality of your family's home.

Ask your builder for real wood plywood.

Call 1-800-BUILD G-P (1-800-284-5347)

Georgia-Pacific

visit our website at www.gp.com

STURD-I-FLOOR is a registered trademark of APA-The Engineered Wood Association. ©2000 Georgia-Pacific Corporation. All rights reserved. G-P Plus is a trademark of Georgia-Pacific Corporation.

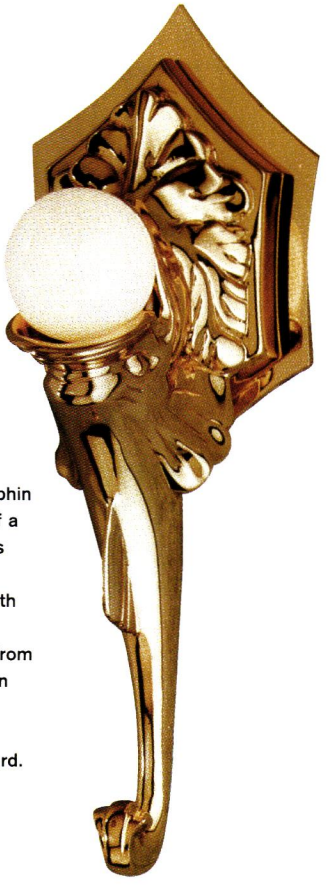
Circle no. 317

BY MARY ELLEN POLSON

GOTHIC COOKERY Play up the architecture of your Gothic Revival or Italianate home with custom cabinets designed to your specifications from Plain & Fancy Custom Cabinetry. They're available through kitchen and bath showrooms east of the Mississippi. Call (800) 447-9006 for a dealer near you. Circle 1 on the resource card.

FLASHBACK FINISH

The silvery warmth of nickel—common before chrome arrived in the 1920s—shines again on Delta's Neo Style faucet. The lever-handle set in Brillance pearl nickel finish begins at $300. Contact Delta, (800) 345-3358, www.deltafaucet.com. Circle 2 on the resource card.



SPOUTING FORTH

The 11 1/4" cast-brass dolphin sconce is a reproduction of a 1930s Art Deco original. It's available in polished brass, satin brass, polish brass with gold lacquer, and polished chrome. The price ranges from $350 to $450, depending on finish. Contact New Metal Crafts, (800) 621-3907. Circle 3 on the resource card.

RUSTIC COMFORT

Be at ease in the wilderness with the Grove Park Lounge Chair in supple leather. Constructed from sturdy hickory saplings by one of the oldest rustic furniture makers in the business, the chair sells for $1,733. Contact Old Hickory Furniture Co., (800) 232-2275, www.oldhickory.com. Circle 4 on the resource card.

WALL HIDE

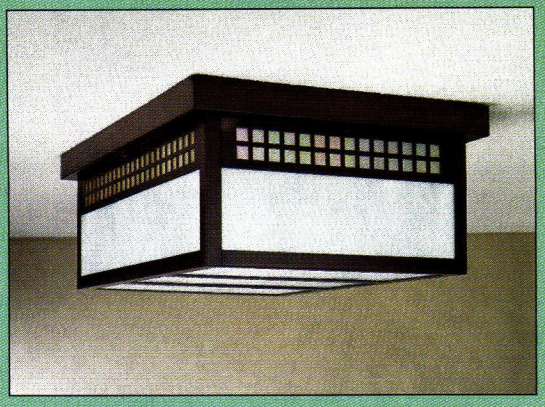
Here are three new ways to texture walls with Anaglypta, the first paintable wall covering. The non-crushable Armadillo patterns mimic checks, weaves, and natural plaster and wood effects. Easy to hang, match, and trim, the wall coverings retail for $22 per double roll. Contact Bentley Brothers, (800) 824-4777, or Crown Corp., (800) 422-2099.

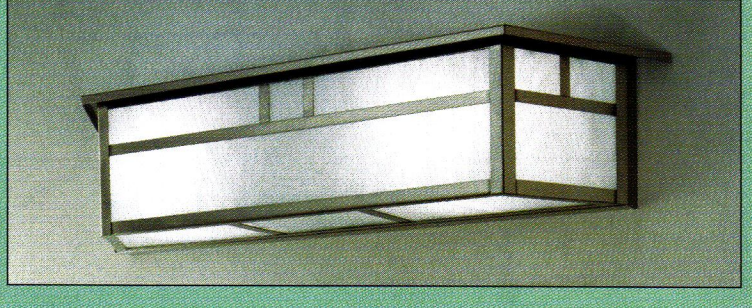
CHIC SHOWER

Shower in Belle Epoque splendor with the Calivari Rain Bath. The integral shower cage eliminates the need for a curtain, and the overhead, rain-effect shower also diverts to a hand-held sprayer. The tub, shower, and rain bath faucet trio sells for about $4,995 in chrome. Contact Absolute by American Standard, (800) 359-3261. Circle 5 on the resource card.

FEATHERWEIGHT POTTERY

Get the look of fine Italian terra-cotta at a fraction of the weight with American Designer Pottery by Fiskars. The Dogwood round pots are available in a sandstone or terra-cotta finish in 16", 20", and 24" sizes. Prices range from about $32 to $72. Contact Fiskars, (407) 889-5533, www.fiskars.com. Circle 6 on the resource card.





UNCOMPROMISING QUALITY

arroyo craftsman®

Circle no. 82

For catalog and showroom information, please call 888-227-7696

4509 Littlejohn St. Baldwin Park, CA 91706 Ph 626 - 960 - 9411 • Fax 626 - 960 - 9521

REVIVAL TILE
Walker Zanger's D Line offers a cornucopia of field and decorative ceramic tiles with classical motifs. There are four sizes of field tiles and more than 20 mouldings and decoratives, all in 16 standard colors. Prices begin at $1.50 per piece for field tile, and $9.60 each for decoratives. For a distributor, call (800) 540-0235. Circle 7 on the resource card.

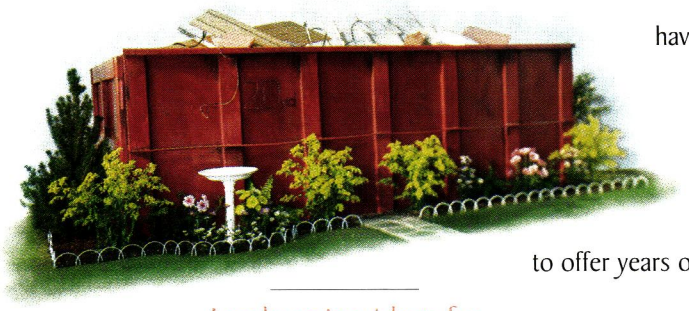
CHANDELIER DU JOUR **The Artemis chandelier fuses historical lighting elements—crystals, shades, and yes, candles—with semi-precious lapis lazuli and black onyx, the chandelier starts at $10,000 on a limited-edition basis. Contact Schonbek Worldwide Lighting. (800) 836-1892, www.schonbek.com. Circle 8 on the resource card.**

JOINERY IN A JIFFY **Paneled wood wainscots are the 18th- and 19th-century means to functional yet graceful interior finishes. New England Classics' Raised Panel System is made of furniture-grade veneers over MDF core in standard panel heights (23", 31", 47"), and priced by the linear foot ($30 to $50). Call (888) 880-6324, www.newenglandclassic.com. Circle 9 on the resource card.**

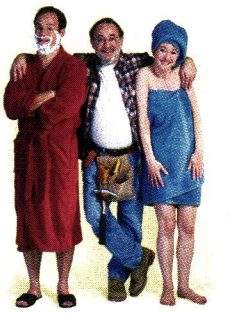
TRIPLE SEATERS
Should your taste in seating run strong for stools, Jefferson Mack Metal makes three durable designs out of mild steel. Above left to right are the diamond plate, bar, and milking stools. Prices start at $190. Contact (415) 550-9328, wwwmackmetal.com. Circle 10 on resource card.

Construction projects can be overwhelming.

But choosing the right roofing, siding, insulation, windows, fencing and ventilation products doesn't have to be. Because at CertainTeed, our products are designed and manufactured to offer years of unmatched style, durability and comfort.



Landscaping ideas for around a dumpster.

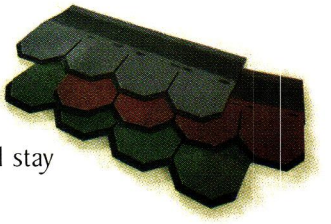


How to share a bathroom with your contractor.

To reduce your stress even further, all of our products are backed by CertainTeed's

We've taken the anxiety out of choosing building materials. We haven't, however, solved every construction problem.

exclusive SureStart™ warranty. The non-prorated SureStart feature covers both labor and material replacement costs.* So, you can be confident that your home will stay beautiful and virtually maintenance free for years. If you'd like less to worry about, give us a call at 1-800-782-8777. Or visit www.certainteed.com



CertainTeed

Quality made certain.
Satisfaction guaranteed.

Making peace with your builder's hours.

See how our products look on your home with cMyVision at www.certainteed.com
CertainTeed is a Custom Vision Partner of cMyVision.com

A Quality Brand of CertainTeed Corporation

© CertainTeed Corporation 2000 *See actual warranties for specific details and limitations.

Circle no. 284

Stonehenge, Wiltshire, England

Jacuzzi® WHIRLPOOL BATH®

INTRODUCES SINKS THAT WILL OUTLAST THE KITCHEN

Jacuzzi®durability and beauty take a new shape: Astracast® kitchen sinks. Astracast is a Jacuzzi composite material that's even harder than cast iron. Red hot 400° pans can't scorch it. Blades can't scratch it. Virtually nothing can stain it. And unlike other sinks whose colors are skin deep, Astracast is solid color throughout. So colors never chip or flake away. Choose from single and double bowl sinks in lustrous solid and granite colors, all backed by Jacuzzi reliability and strength. It all leads to what you want most – quality that lasts.

Call or click for more information and a free catalog 1-800-288-4002 • www.jacuzzi.com

Circle no. 453

ASTRACAST by JACUZZI®

For Fans of Attic Fans

by William T. Cox Jr.

BEFORE REFRIGERANT air conditioning grew common in houses, when you flipped a switch to "turn on the air" that's just what you got. An attic fan circulates outdoor air—be it dry, humid, dusty, or all of the above—throughout the living space, while purging the upper floors of hot, stale atmosphere. Even on a tropical night, the power of an attic fan pulling a breeze through the bedroom window can drive you under the covers. Attic fans—or whole house ventilation systems as they are called today—are original fixtures in many pre-1950s houses. They can still be effective once you become familiar with their needs and ways.

To Air Is Human

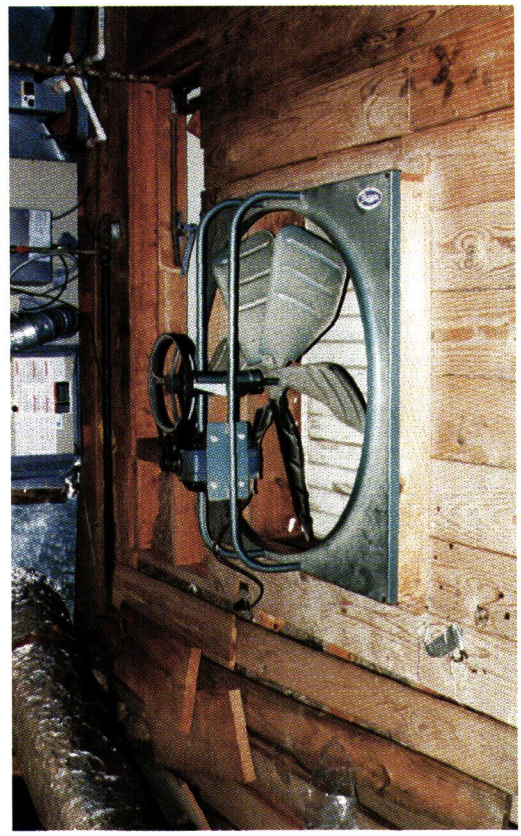
AN ATTIC FAN should circulate at least one complete air exchange through the house very two minutes. By doing so, it can lower the indoor temperature an average of 7 degrees F, depending upon the outdoor air temperature. In addition, the movement of air over skin aids the body's own cooling system, perspiration. An attic fan also helps extend the life span of the roof by keeping its underside cooler

Generally, an attic fan is economical—about a nickel an hour to run compared to 50 cents for an air conditioner. (Check your local rates.) In northern areas, a $300 attic fan investment may eliminate the need for air conditioning altogether. It may even save you money if you try this trick. Close off the house, then run the fan briefly to search for drafty windows and gaps in the building envelope that leak heat during the winter months.

Get Familiar with Your Fan

ATTIC FANS RANGE in size from 22" in diameter up to . . . well, the biggest I've ever seen was a little over 6' across. Look for a name plate on the motor or frame stamped with the specifications: speed (RPM), power output (HP), power consumption (AMPS or WATTS), and even the cor-

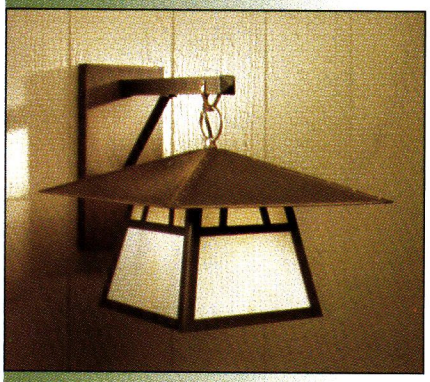
Attic fans vary widely, but they are such simple devices it only takes a little mechanical dexterity to fix or maintain them.

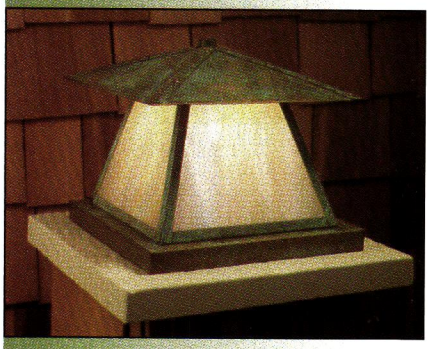


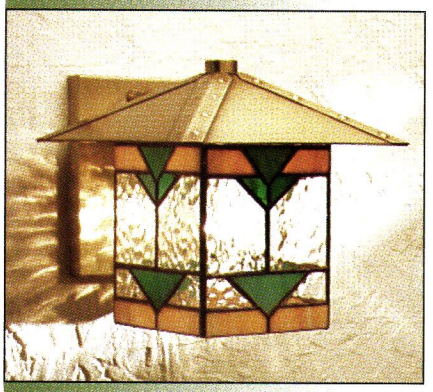
The typical attic fan is a simple assembly of blades, belt, and motor mounted in a gable end. The free vent area is the wall opening minus the exterior louvers.

WILLIAM T. COX

THE PASADENA SERIES







Where History & Architecture Come to Light....

Old California Lantern Co.

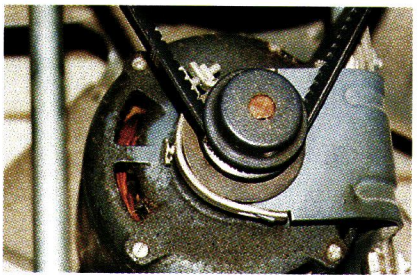
975 N. Enterprise St.
Orange, Ca. 92867
800-577-6679 fax 714-771-4714
www.oldcalifornia.com

Circle no. 404

Using an attic fan, you'll learn what doors to crack or windows to open—Should it be the top sashes in the morning or bottom sashes at night?

rect direction of rotation. Yes, I've seen fans running backwards because someone tinkered with the wiring. Older, larger fans should spin at around 700 rpm or lower, moving air at 8 to 10 mph. Most pre-1970 fans are belt-driven; today there are more direct-drive models.

Before you get anywhere near an attic fan, be sure to cut the power at the circuit panel. This way the motor will be de-energized, and no one will unknowingly start the fan while you're working on it.



Top: Look for oil caps near the motor bearings (center in photo) and on the blade shaft. Above: Plywood or insulation blocks heat loss through the vent in winter.

CHECK THE BEARINGS Rotate the blades by hand, being careful not to place your fingers between the belt and the pulleys. If the fan is difficult to turn, the bearings may need lubrication. Look for oil cups on the fan shaft and the ends of the motor casing. They should have spring loaded caps on little cups. Add a drop or two of all-purpose oil, no more. Newer motors have sealed bearings and can't be lubricated. Very old motors may have grease cups that require bearing grease—not oil.

CHECK THE BELT Look for fraying, cracking, and splitting—all signs of fatigue. Also, check the pulley rims for rough or sharp edges and groove wear. If the belt is on the way out, take it to an auto parts store for an exact replacement. Belt tension should be similar to that for an automotive fan belt—about ½" of deflection when you push the belt midway between pulleys. Many fans have self-adjusting motor mounts, but if the old or new belt needs tightening, loosen the motor mount bolts and reposition the motor accordingly.

CHECK THE BLADES If the shaft, bracing, and blades are covered with a thick coat of gunk (oil plus many years' worth of dust), it's a good idea to clean everything. Cleaning will remove the extra weight that can unbalance the blades and strain the motor. Unless the oil is excessive, don't worry. Years of use often produce a slight leak in the fan shaft that will require more frequent oiling.

CHECK THE OPERATION Turn the electricity on and flick the switch. If all you get is a hum, the starting capacitor or the motor may be burned out. These parts can be rebuilt by an electric motor shop (check the Yellow Pages) or replaced by an electrician. The only way to check for blade balance is to run the fan. If the fan vibrates to the point of rattling the windows throughout the house, a blade or bearing could be defective, and you may want to replace the entire unit. When in doubt, let an electrician look the fan over.

Attic fans are sized to the living space. The net free vent area must also be correct to prevent back pressure. If the fan cannot exhaust properly, it will run as noisy

WHEN IT COMES TO HOME IMPROVEMENT, INFORMATION IS A PRETTY POWERFUL TOOL.

buying guides product reviews how-to guides

THE AMAZON.COM HOME IMPROVEMENT STORE IS NOW OPEN.

WITH TONS OF TOOLS AND INFORMATION, WE CAN HELP YOU DO JUST ABOUT ANYTHING AROUND THE HOUSE.

EARTH'S BIGGEST SELECTION.

books dvd video music auctions toys electronics software home improvement zShops

amazon.com

©2000 Amazon.com, Inc. All rights reserved. Amazon.com is the registered trademark of Amazon.com, Inc.

Circle no. 424

Clear Protection, Clear Defense
A CLEAR CHOICE!

When it comes to protecting concrete and masonry in and around the home, DRYLOK Concrete Protector is the *Clear Choice.* DRYLOK Concrete Protector provides invisible protection against the damaging effects of road salts, acid rain, household cleaners and weathering. So, arm yourself against the elements today with DRYLOK Concrete Protector.

UGL®

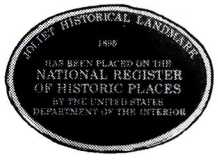
Protection for Concrete, Brick, Terrazzo and Slate.

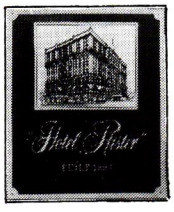
For a free brochure and the name of your nearest dealer call **1-800-272-3235,** or visit us at www.ugl.com.

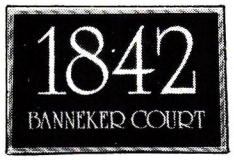
Circle no. 395

Smith · Cornell *impressions*

Call or write for a:
• **FREE** brochure
• **FREE** quote



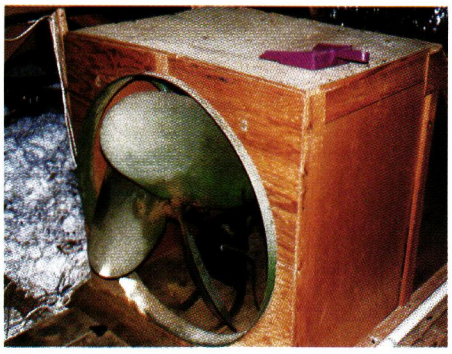




We specialize in:
• Sand cast plaques in Bronze & Aluminum
• GraphicsPlus-Smooth Surface Plaques and Markers
• Combination of cast with a GraphicsPlus insert
• OldStandard National Register Plaques

S·C
1545 Holland Rd. • Suite K
Maumee, Ohio 43537
419.891.4335 • 800.325.0248

Circle no. 255



Shrouds and cowlings are common. This fan draws from a second-floor ceiling register.

as a helicopter and strain the motor. Use a loose, simple formula to calculate both. Take the square footage of the living space to be cooled and multiply by three (four in warm, humid climates) to determine the fan capacity in CFM (Cubic Feet per Minute). Dividing the CFM by 750 gives you the required vent area in square feet, minus any obstructions.

Safety First, Always

SEVERAL SAFETY DEVICES should always be installed with an attic fan. In the event of a fire, a fan can act like a blast furnace before it stops. Louvers on the exterior of the building are supposed to have fusible links that close the vent in case of fire. The motor should be wired with a thermostatically controlled switch and firestat (rated for 204°F) to interrupt power. Consult the local building codes or building inspector for the requirements in your area.

When winter comes, you'll probably want to disconnect the power and insulate the fan vent opening to avoid giving those summer savings back to the weather gods. Till then, try the old attic fan for one summer. You may forget the icy world of ducts and filters, and find yourself living in a warmer atmosphere while feeling cooler.

SUPPLIERS TAMARACK TECHNOLOGIES, INC. P.O. Box 490, West Wareham, MA 02576 (800) 222-5932. Circle 21 on resource card. ▪ **LESLIE LOCK** P.O. Box 723727, Atlanta, GA 31139 (800) 755-9392. Circle 22 on resource card.

DUROCK® Cement Board

Strength beneath the surface.™

The best way to protect your tile investment from water damage is to back it with Durock® Cement Board. Water can't destroy it, which means it's ideal for bathrooms, kitchens, countertops and floors. Plus, it's covered by a 30-year limited warranty. So before you install tile, insist on Durock Cement Board. Your tile would.

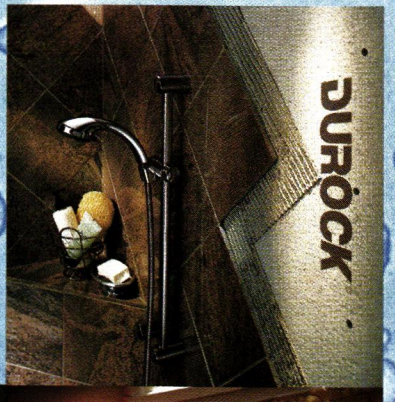
For more information, call 1-800-USG-4YOU (874-4968).

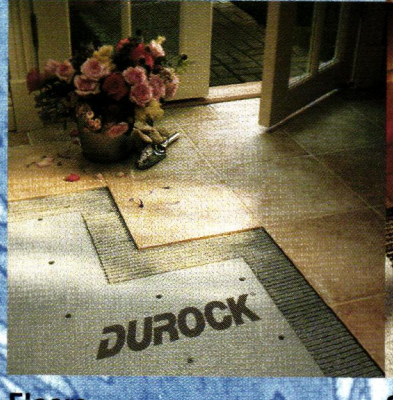
USG

www.usg.com Circle no. 303

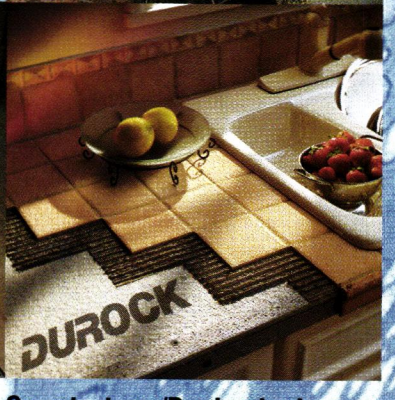
©1998, United States Gypsum Company
P.O. Box 806278, Chicago IL 60680-4124
Durock is a registered trademark of United States Gypsum Company.

Walls and Ceilings





Floors



Countertops/Backsplashes

BUILD A BETTER PORCH

Today's home designs incorporate the porch as a natural extension of the family's living space.

Southern Pine lumber has enjoyed a long history in porch construction. It's the superior choice for both the structural framing and flooring. Properly installed and maintained, pressure-treated Southern Pine lumber builds in protection against decay and termite attack.

Contact us for complete product details and some helpful installation tips.

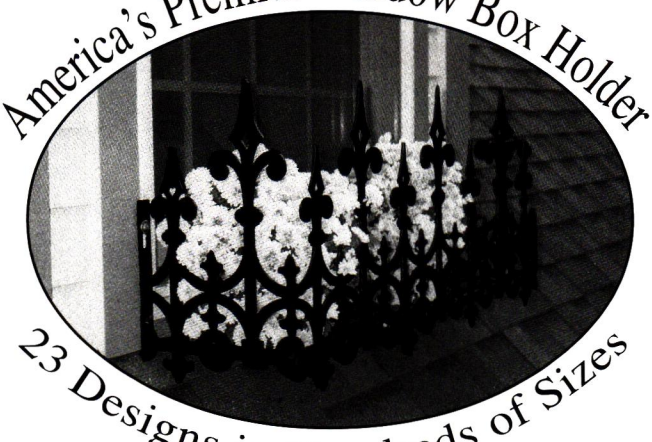
SOUTHERN PINE COUNCIL

504/443-4464 FAX 504/443-6612
Box 641700 Kenner, LA 70064
www.southernpine.com

Circle no. 197

Capital Balconette™

America's Premier Window Box Holder



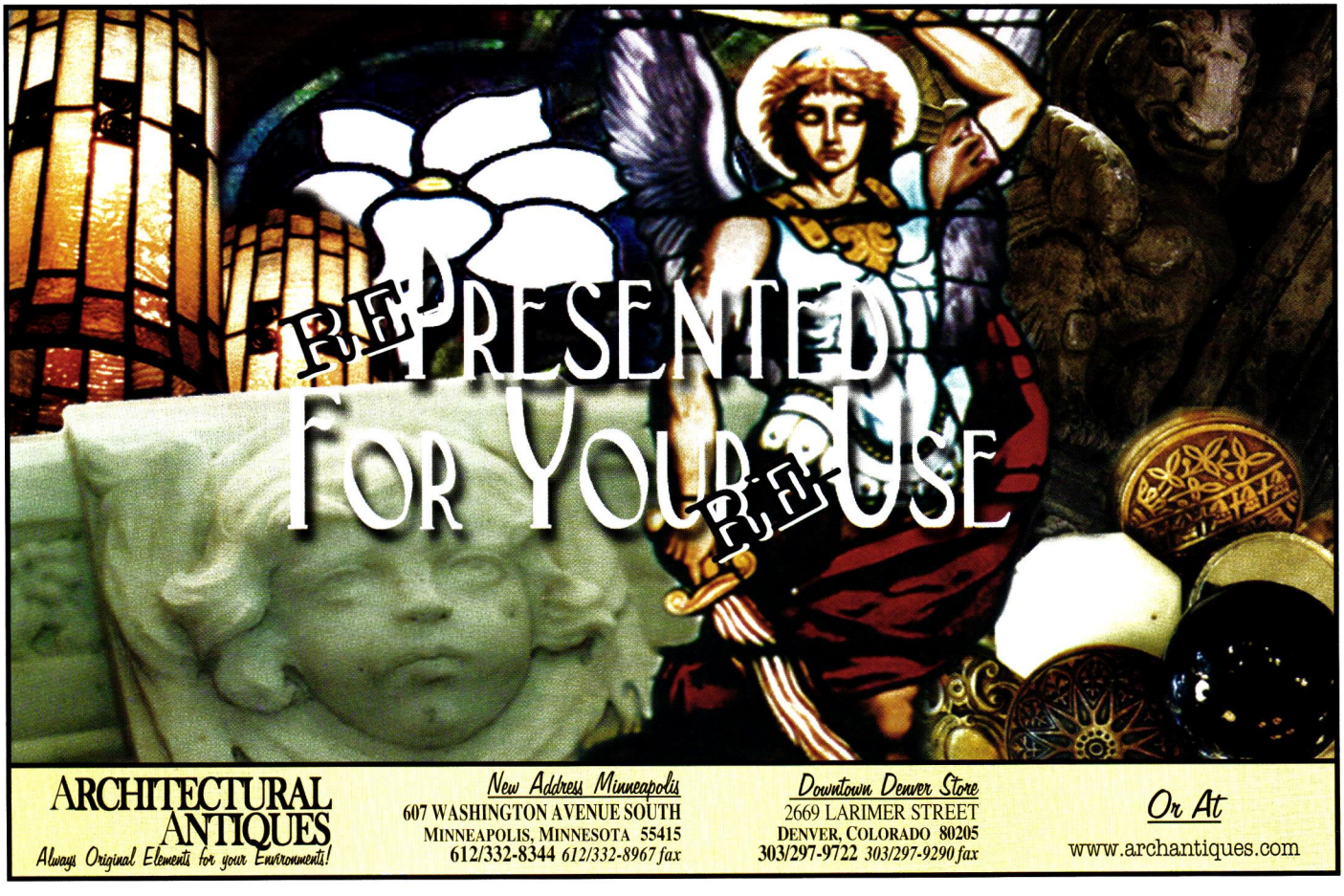
23 Designs in Hundreds of Sizes

Fully assembled • U.S. made of U.S. materials
– Priced from $179.00 –

Another Capital Idea from Architectural Iron Company
Makers of Capital Crestings & Finials

for more information and a free brochure call
800-442-4766/IRON

Circle no. 81



ARCHITECTURAL ANTIQUES
Always Original Elements for your Environments!

New Address Minneapolis
607 WASHINGTON AVENUE SOUTH
MINNEAPOLIS, MINNESOTA 55415
612/332-8344 *612/332-8967 fax*

Downtown Denver Store
2669 LARIMER STREET
DENVER, COLORADO 80205
303/297-9722 *303/297-9290 fax*

Or At
www.archantiques.com

Circle no. 436

Mechanical Doorbells

by Brian D. Coleman and H. Weber Wilson

FIRST IMPRESSIONS MEAN a lot and a mechanical doorbell can be a charming first contact with an old house. Like vintage buildings, however, most vintage doorbells need attention. Here's a quick course in how the various types operate, and what to look for if you find an old doorbell that needs repairs.

Mechanical doorbells came into fashion in the 1870s, before the dawn of the ubiquitous electric doorbell, but after the heyday of exterior pulls that operate a bell on a spring. Typically an iron case with a flat back and two screw tabs, mechanical bells mount on the interior side of the front door. A mechanism of springs and levers rings the bell via one of several types of exterior activators.

CRANK BELLS—Early bells from the 1870s have a fancy crank handle of decorated bronze, sometimes topped with a large, white porcelain knob. The crank extends through the door to the bell, like a door knob spindle through a lock. It turns in either direction to set off a series of short, sharp rings.

T-LEVER BELLS—These bells are activated by T-shaped levers cast with a long post that extends through the door. When you pull the lever, it trips the bell springs, causing the hammer to strike the bell—usually on both the down and up strokes. Visitors of the past often confused these bells with twist types, so it is unusual to find them without a slightly wrenched profile.

TWIST BELLS—Popular at the turn of this century, twist bells use clockworks to spin two or three tiny, iron nuggets against the bell's gong. Visitors would work the thumb twist back and forth, creating a long, multi-noted jangle.

The mechanics of crank and T-lever bells are basically the same. Remove the gong and you will see a straightforward set-up of levers, springs, and trip hammers. The cast parts are invariably iron, and while they may show wear, usually don't break. Springs, however, can break. You can replace springs with needle nose pliers. Look for substitutes in the assortments at good hardware stores or auto parts suppliers.

The gong rarely exhibits any problems beyond overpaint, which can be stripped with commercial products or softened by soaking in a solution of hot water and TSP. Gongs are usually brass and often nickel-plated—a popular pre-1920 finish that requires infrequent polishing. Nickel should be preserved or replated, not stripped.

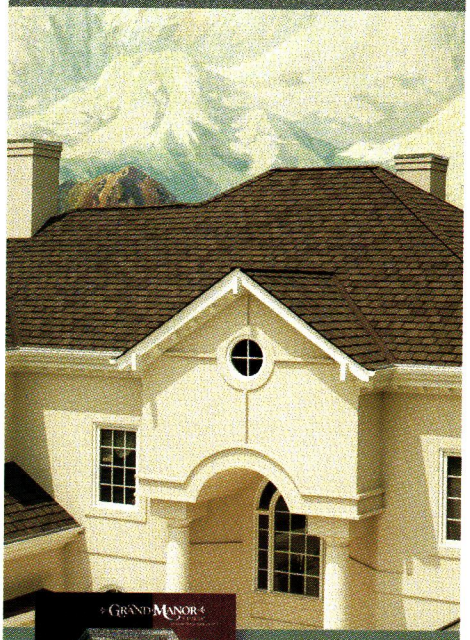
Gongs mount to the mechanical base with either a small, threaded rod soldered to the underside, or with a threaded nut that extends through a square hole. Unfortunately, these specially threaded bolts were often replaced with modern bolts that use different threads, often damaging the tapped hole in the base. Make sure the nut is original; only another old doorbell will yield a replacement.

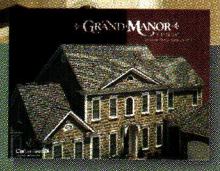
When buying a vintage doorbell start with a complete unit. Open it up and study the parts to make sure they are intact and properly functioning.

Top: This fancy T-lever gong from 1879 sits on a threaded cast iron post—a part that is often stripped. The acorn bolt has special flats that fit the square hole. Right: A T-lever actuator in the Aesthetic style.

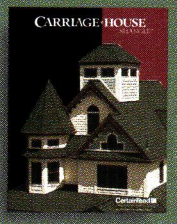
H. WEBER WILSON

INSPIRATION FROM ABOVE.

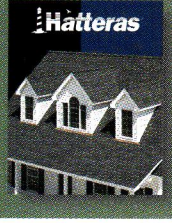




WITH GRAND MANOR, CARRIAGE HOUSE AND HATTERAS, CERTAINTEED HAS ELEVATED THE DESIGN OF ROOFING MATERIALS TO AN ART.



FOR A FREE BROCHURE, CALL THE CERTAINTEED HOME INSTITUTE AT 800-782-8777 OR VISIT US ON THE INTERNET AT WWW.CERTAINTEED.COM



THE ROOFING COLLECTION™

CertainTeed

© 2000, CertainTeed Corporation

Circle no. 138

Left: Note the missing washers (arrow on ringer arm) in this clockwork bell. Above: Poor gong seating muffles the bell. Right: Allen wrenches will fit the thumbturn post socket.

Note that when the gong is poorly seated it may touch other parts of the mechanism, damping the rings. It is also not unusual to find antique doorbells with mismatched gongs that do not allow the hammer to hit the bell. Moreover, when an antique bell doesn't function properly it's often because you have a Frankenstein of components from other bells—the typical source of spare parts.

The steel hammer head is the one part that can be welded. In fact, it pays to see if it already has been repaired; the bell's value will be lower. Cast iron is more difficult to weld, so be prepared to live with most damage. Cracks or chips in the base may not be obvious once the bell is mounted, and they often don't affect the function of the bell. Broken mounting screw tabs may make it difficult to mount.

Crank-type bell, 1871.

Twisted T-levers should be heated by a professional to bend the bronze back into shape. You may also find that in the past someone trimmed the trip rod that extends through the door. It is difficult to extend the length of a trip rod, so be sure to measure the thickness of your door or wall before you cut holes for the bell.

The biggest problems in clockwork bells are overworked gears that strip or jam. These gears, usually made from soft brass, are nearly impossible to repair and equally hard to replace. If the gears turn smoothly, but the bell doesn't ring properly, remove the gong and see if the ringer is complete. This mechanism is a little arm with tiny washers at each end that spin around and hit the gong. Missing washers can be replaced with patience and ingenuity.

The key component of any clockwork bell system is the thin, square rod that connects the outside thumb twist and the inside bell works. Without this rod the bell will not operate. Fortunately, you can fashion a new rod from an Allen (hex) wrench. Just find the wrench size that fits and hack saw it to the proper length.

It is relatively easy to find good examples of T-lever bells at antique shows and salvage shops. In fact, many bells and T-levers can be mixed and matched. Reproduction twist and T-lever bells are usually undecorated brass and much lighter in weight than the originals, but even easier to obtain.

SUPPLIERS **WEB WILSON'S ANTIQUE HARDWARE AUCTION** (800) 508-0022, Call to get on the mailing list for the next auction. Circle 12 on resource card. ▪ **SEATTLE BUILDING SALVAGE** 202 Bell, Seattle, WA 98121, (206) 448-3453. Circle 13 on resource card. ▪ **URBAN ARCHAEOLOGY** 285 Lafayette, New York, NY, (212) 431-6969. Circle 14 on resource card. ▪ **OMEGA TWO** 2204 San Pablo Ave., Berkeley, CA 94702, (510) 843-3636. Circle 15 on resource card. ▪ **1874 HOUSE** 8070 S.E. 13th Ave., Portland, OR 97202, (503) 233-1874. Circle 16 on resource card.

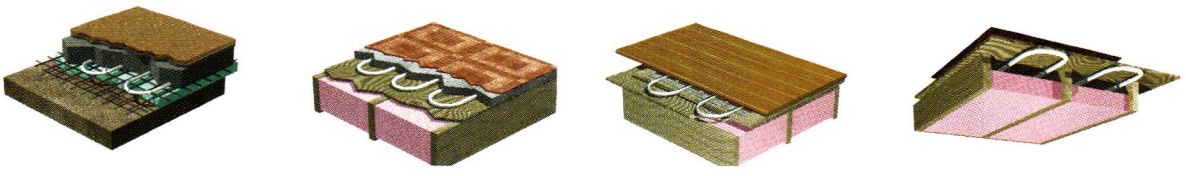
WELCOME HOME TO COMFORT

Homeowners choose Wirsbo Radiant Floor Heating because they love warm and cozy kitchen and bathroom floors. They appreciate clean, quiet and even heat throughout their home.

Comfort begins with warm water circulating through flexible PEX tubing installed beneath the floor. The floor becomes an efficient, low temperature radiator and the warmth stays where it is needed - near the floor surrounding the people.

Stone, tile, carpet and hardwood floor coverings are consistently barefoot comfortable. Radiant floor heating does not create drafts or spread dust, dirt or allergens. Warm floors make people feel comfortable at a lower thermostat setting. This can result in energy savings of 20 to 40 percent.

With over two million installations worldwide, a Wirsbo Radiant Floor Heating system is a reliable investment in comfort for you and your family.



Great for both new construction and remodeling projects. Wirsbo systems can use a variety of energy sources, and can be designed to heat the whole house or a single room.

WARM FRIENDLY FLOORS

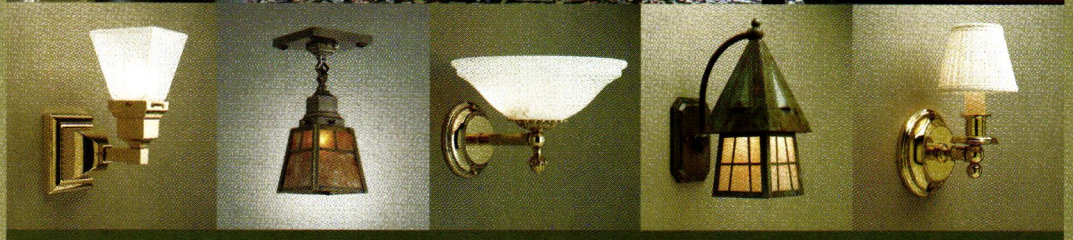
WIRSBO®

1-800-321-4739

www.wirsbo.com

Circle no. 421

5925 148th STREET WEST • APPLE VALLEY, MN 55124



Designers and Manufacturers of
Architectural Lighting Since 1974

Neo-Classic Alabaster • Arts & Crafts • Mission • Prairie School
Traditional • Classic Exteriors • Vintage Prismatics

BRASS LIGHT GALLERY
MILWAUKEE

To order direct call
1-800-243-9595
www.brasslight.com

Circle no. 85

OLD HOUSE
JOURNAL

"You should always keep resale in mind when restoring your house, even if you intend to live in your dream bungalow or Queen Anne forever."

—page 56

May/June 2000

"By the door a graceful, partially enclosed staircase wound up to the second floor. Every room could be warmed by a fireplace—every room save one. The lack of one fireplace and a few important stones in the south foundation became latent defects in this otherwise solidly built brick house. Nearly 200 years later these long-term time bombs would bring one wall close to collapsing and threaten the entire house."

—page 68

" 'The whole surface of your body may be gone over with one wash bowl full of water,' admonished Eliza Rotch Farrar in The Young Lady's Friend *(1837). 'By practice you will become so expert as not to make any slop on the carpet.' "*

—page 66

Restoring an old house may be a labor of love, but that doesn't mean you should ever lose sight of the bottom line.

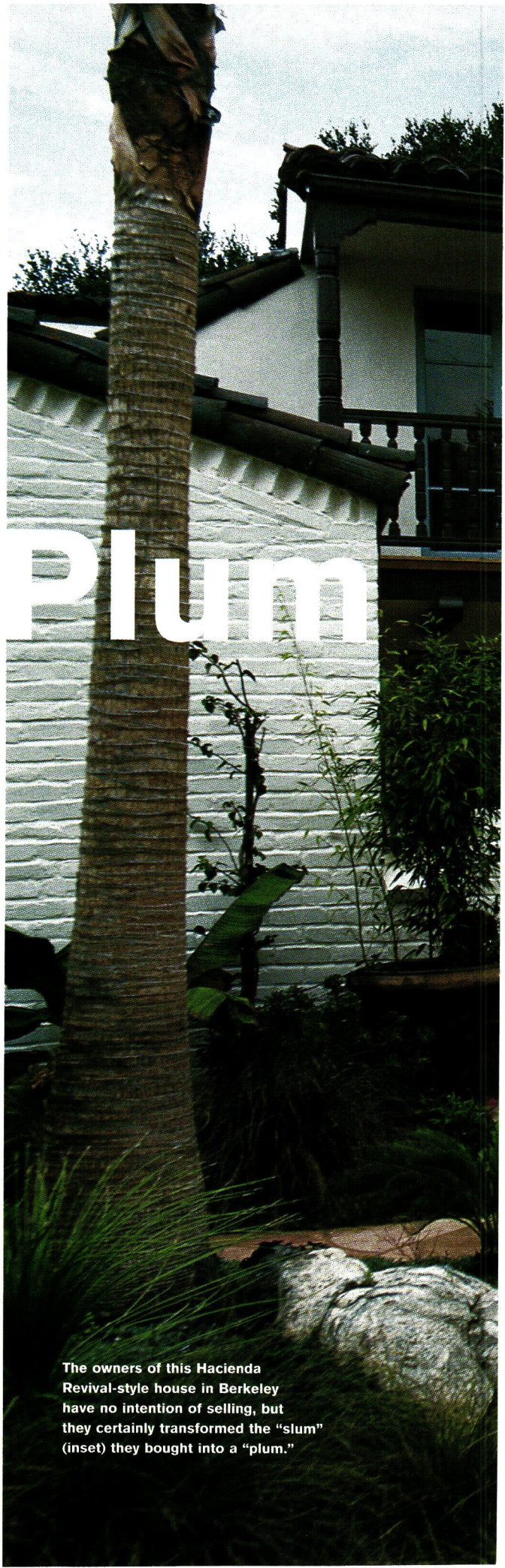
From Slum to Plum

By Jane Powell | Photographs by Linda Svendsen

ALL MY LIFE I've had this weakness for run-down old houses. It's like taking in stray animals; I want to save them. To make my addiction socially acceptable, I started fixing up bungalows and reselling them for profit. Since I suspect that there are more people out there like me, and since I can't save every old house in America, I want to encourage others to do the same by sharing some of the things I've learned. You should always keep resale in mind when restoring your house, even if you intend to live in your dream bungalow or Queen Anne forever. Circumstances change, and you might have to sell. Most of the rules I've formulated in a decade of renovating for resale make good sense whether you plan to turn the place over immediately or live there happily ever after. Here's my punch list.

BUY THE RIGHT HOUSE AT THE RIGHT PRICE. All of the real estate clichés about location are true: Buy the worst house in the best neighborhood; avoid houses on busy streets and other undesirable locations; don't buy in a run-down neighborhood unless it has started to turn around.

Some additional rules apply to old houses. Don't buy a house with an awkward floor plan, and there's no such thing as a cosmetic fixer-upper. Because charm is expensive to put back, I only buy houses where most of the architectural elements are intact. Contrary to the advice of many real estate experts, it's OK to buy a house with structural problems, but only at the right price. Granted, there's no profit in rebuilding the foundation, but if you can get $25,000 off the price to cover the cost of repairs,



The owners of this Hacienda Revival-style house in Berkeley have no intention of selling, but they certainly transformed the "slum" (inset) they bought into a "plum."

140

How much should you pay?

First, research the potential selling price for the house you intend to fix up. Ask the real estate agent for an estimate, or look at "comparables"—similar properties in good condition that have recently sold in the area. Decide how much profit you'd like to make (I try for $25,000 per house), then figure out the cost of needed repairs. If you're not going to live on site, calculate the carrying costs for the time it will take to renovate the house. Here's my formula:

$250,000	Sales price of renovated house
–$17,500	Real estate commission plus closing costs (7%)
–$25,000	Desired profit
–$50,000	Fix-up costs
–$7,800	Carrying costs at 6 months principle, taxes, and interest
$152,700	**Maximum price to pay**

Obviously, the tricky part is determining how much the renovation will set you back. You can get an estimate from a contractor, but it helps to have an idea of the dollar value for specific jobs and fittings. Here are some items that usually have to be included as part of the renovation. (*Starred items add value above their cost.)

- Exterior paint*
- Interior paint*

Reglazing the windows will more than repay the cost of labor and materials.

- New electric service/adding wiring
- Floor refinishing*
- Window repair/sash replacement*
- Structural repairs/rot
- Bathroom re-do*
- Kitchen re-do*
- New deck or porch*
- Plaster patching*

The following items won't be needed in every house, but some fixer-uppers will need them:

- New roof
- New foundation
- New central heat/AC
- Fireplace repair
- New plumbing
- Drainage

you may come out ahead. Try to avoid houses with significant drainage problems, however; these can be complex and expensive to resolve.

IF IT AIN'T BROKE, DON'T FIX IT. Many home renovators have a misguided tendency to rip out the old and do it all new—new plumbing, new wiring, new windows, and new drywall. These improvements may be well and good, but they do not add value to the house. My advice is to repair what is repairable, replace what is not, and spend your extra money on the kitchen.

PATCH ALL THE PLASTER CRACKS. Prospective home buyers believe that every plaster crack represents a huge structural problem—even though most plaster cracks are cosmetic. A few plaster washers, tape, and deft application of spackling compound or putty will work wonders on superficial cracks and holes.

ENHANCE THE ARCHITECTURE. Each style of residential architecture has its own vocabulary of design elements and materials. These details are what make the house "read" as Greek Revival, Arts & Crafts, or Shingle style. As you renovate, let the house be what it is. Don't try to turn a bungalow into a Queen Anne by adding spindle work. If the house is stucco, don't cover it with wood siding, or vice versa. Maintain the original window configurations and patterns. Since the roof is a major character-defining feature of the house, avoid any alterations that affect the roofline.

THERE'S NO PROFIT IN STRIPPING PAINT. On the exterior, scrape off loose paint, then prime and re-coat. On the interior, just refresh the paint if the woodwork is painted. (If it's clear finished, don't paint over varnish or shellac in an attempt to make the house "light and bright.") The only surfaces worth stripping are hardware or other metals—they're small and easy to strip, and polished hardware is like jewelry for the house.

Spend your money on details with impact. Potential buyers respond positively to gleaming wood floors, an attractive fireplace, polished hardware, appropriate light fixtures, and most important, color. All are relatively inexpensive to add to a house, and when done well, they create a more favorable impression than a $5,000 kitchen refrigerator.

THE MOST IMPORTANT ROOM IS THE KITCHEN. People want the following amenities in a kitchen: a built-in dishwasher (you don't need an expensive European model), disposal, frost-free refrigerator, gas stove, and sufficient cabinets and electrical outlets. As long as these elements are present, I've always found that the house sells quickly,

even when the kitchen looks as old as the rest of the house.

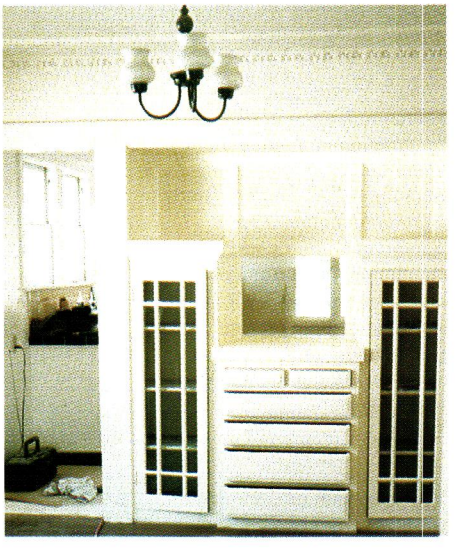
This doesn't mean you should overspend. Period-appropriate cabinetry and countertops have more impact than expensive appliances. Unfinished, custom or semi-custom cabinets that you paint are not terribly expensive if you find the right cabinetmaker. Finish the counters with inexpensive tile ($5 per square foot). Appropriate drawer pulls and cabinet knobs are also relatively inexpensive if you buy them at builder's supply stores. A nice-looking faucet shouldn't cost more than $150. Simple light fixtures with brass canopies and glass shades are appropriate to most house styles, since old-house kitchens tend to be fairly utilitarian.

BATHROOMS PAY YOU BACK. A single bathroom is usually adequate for a two-bedroom house, but a house with three or more bedrooms should have at least a bath-and-a-half or two full baths. Adding a second bath to a three-bedroom house will more than pay for itself in the next sale.

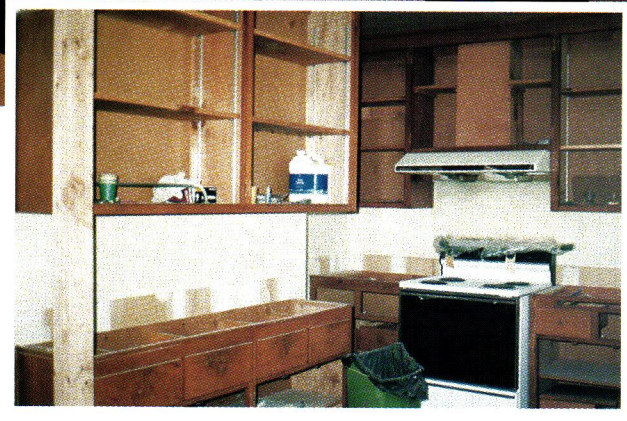
Bathrooms need a shower, tub (or shower-tub combination), sink, toilet, and some storage space. With old houses, it's important to make bathrooms look like they belong in the house. A bath with a hexagonal tile floor, tile or beadboard wainscotting, clawfoot tub (with shower), wall-hung or pedestal sink with porcelain-handled faucets, and a simple wooden medicine cabinet would fit into any house built up until about 1930. (Obviously, houses built in 1820 did not have indoor plumbing, but in that case, the idea is to put in a bathroom that could have been added in 1885.) Houses from the 1920s or '30s can have fabulous combinations of colored tile: lavender and green, peach and black, and so forth.

PAINT IS YOUR FRIEND. Nothing else improves the house so much and yet costs so little—only 4 cents per square foot. I use the same interior color scheme on every house I restore. I paint the formal rooms and bedrooms a color I call "nebulous peach." The peach color has more warmth than the typical off-white that experts recommend, yet it is neutral enough to go with most decors. I use a lighter tint of the wall color above the picture moulding and on the ceiling. If the woodwork is painted, give it a fresh coat of cream-colored semi-gloss. I paint kitchens and bathrooms a creamy off-white or vanilla.

A good coat of exterior paint is extremely important for curb appeal. Since it's impossible to make a good choice from a paint chip, buy test paints in quart or



All it took to revive the charm of this bungalow dining room with original built-ins was a little fresh paint and an appropriate light fixture.



Keeping old kitchen casework (inset), but adding newly milled flat-panel doors, tile countertops, and fresh paint enhances value at low cost. Moulding patterns for the glazed upper cabinets come from originals in the dining room (previous page).

sample sizes and experiment with different colors. In my experience, the body color should be darker than the trim, and sashes and doors should be a dark or deep color. The trim should be lighter than the body color, or a different color with the same value. (Two different colors with similar values will appear in roughly the same position on the strip paint chips you get at the paint store.)

Generally, warm and muted colors work best. Avoid blue, which is difficult to get right. Other choices to shun are bright primary colors, clear pastels (pastels need to be greyed), and drab colors like olive or mustard. Don't use white or beige with brown trim—every other house on the street will be that color, and you want yours to stand out. Here are a few tried-and-true combinations, arranged by 1) body color, 2) trim color, and 3) sash or accent color):

- chamois, cream, and maroon
- terra-cotta, cream, and eggplant
- terra-cotta, sage green, and burgundy
- straw, pale yellow, dark green
- gray-brown, rust, and dark green
- gray, white, and maroon
- rust, chamois, and teal blue.

PLANT FLOWERS IN THE FRONT YARD. Use as many as you can reasonably fit around

the foundation or in planting beds. Flowers are colorful, welcoming, and add to the curb appeal. I buy my flowers entirely by size because I don't have time for the landscape to mature; whether your restoration takes six months or two years, it's a good bet that landscaping will be the last item you address. I buy specimens that take up a lot of visual space for $3 or $4 a piece: cosmos, euryops, marguerites, snapdragons, salvia (sage), coreopsis, agapanthus (lilies-of-the-Nile), alyssum, petunias, and geraniums. While you can use my list as a guide, always choose flowers that grow best in your part of the country.

STAGE THE HOUSE FOR SALE. First of all, the house should be spotless. Wash the windows and get rid of excess junk. The house should look spacious. Pack up everything personal: family photos, refrigerator magnets, political posters—these make people uncomfortable in subtle ways. Contrary to the fresh-baked-bread school of thought, give up cooking. The only universally acceptable smell is lemon. The house needs to look homey and inviting, but not like you live there. Like a nice hotel room, the house should be welcoming, but neutral. Put away all the detritus of daily life: hair dryers, newspapers, dirty dishes. Even in a Victorian-era house, the decor should be simple. If you've already moved out, leave a few pieces of furniture and some rugs behind. Since most people can't figure out whether or not their bed will fit in the bedroom unless there is a bed present for comparison, a furnished house usually sells better.

COMPROMISES. If you want to sell your house for profit, a museum-level restoration is probably out of the question. Keep in mind that the house doesn't have to be perfect, just good. Choose the right places to compromise. For instance, I never hide the dishwasher, and I often use inexpensive tile, reproduction light fixtures, and used appliances. On the other hand, if there's millwork missing, I would spend $350 to have a knife made so that I could match the existing moulding profiles with the new millwork. Some choices can be difficult; for instance, should you spend $850 to replace missing shades for the original Art Deco chandeliers, or should you take them out and put in reproduction chandeliers at $250 each? Ultimately, such decisions are up to you.

In the end, renovating a house in a respectful way is a public service. We are the caretakers of these houses. They were here before us, and they will be here after we're gone. Restoring a house to useful life will not only improve your neighborhood and your community, but it can also improve your bank balance.

JANE POWELL *is the author of* Bungalow Kitchens *(Photographs by Linda Svendsen, Gibbs–Smith, 2000). She lives in Oakland, California, with her four cats.*

Color Correction

When exterior colors are properly balanced, paint becomes a device for enhancing architectural detail. New colors of grey, terra-cotta, and dark green accentuate the back-to-nature theme you would expect to find in a California bungalow (top). Here, the terra-cotta trim brings out the full structural effect of the handsome rafter tails and gable cross-brace, while the dark-green sash color plays up the cottage pattern Arts & Crafts windows and sidelights. Before sensitive renovation (above), the Arts & Crafts lines of this hipped-roof Oakland bungalow were all but buried under a monochromatic blanket of drab blue paint.

Resurrecting a Tile Shower

For an Oakland couple, bringing a magnificient sunken tub back to life meant finding a craftsman willing to save the tile.

by Mary Ellen Polson

As soon as Mike and Marilyn McConnell saw the master bathroom in the 1930 *hacienda* in the Oakland hills, they knew they had to buy the house. With its step-down, sunken tub, the bath was a floor-to-ceiling shrine to California art tile of the 1920s, from the bisque field tile to the large, richly colored bas relief scenics lavished over the walls. There was only one problem: the shower leaked. "The tub hadn't worked in 10 years," says Mike McConnell. "It was completely unusable."

The McConnells bought the house anyway, deciding to find someone willing to restore the sunken tub without destroying the irreplaceable tile. Their search led them to Riley Doty of Doty Tile in Oakland, who specializes in projects involving art tile. Since restoring the bath for use as a tub would have meant ripping out most of the tile, the McConnells quickly agreed to convert the sunken portion into a stall shower, leaving the majority of the tilework intact.

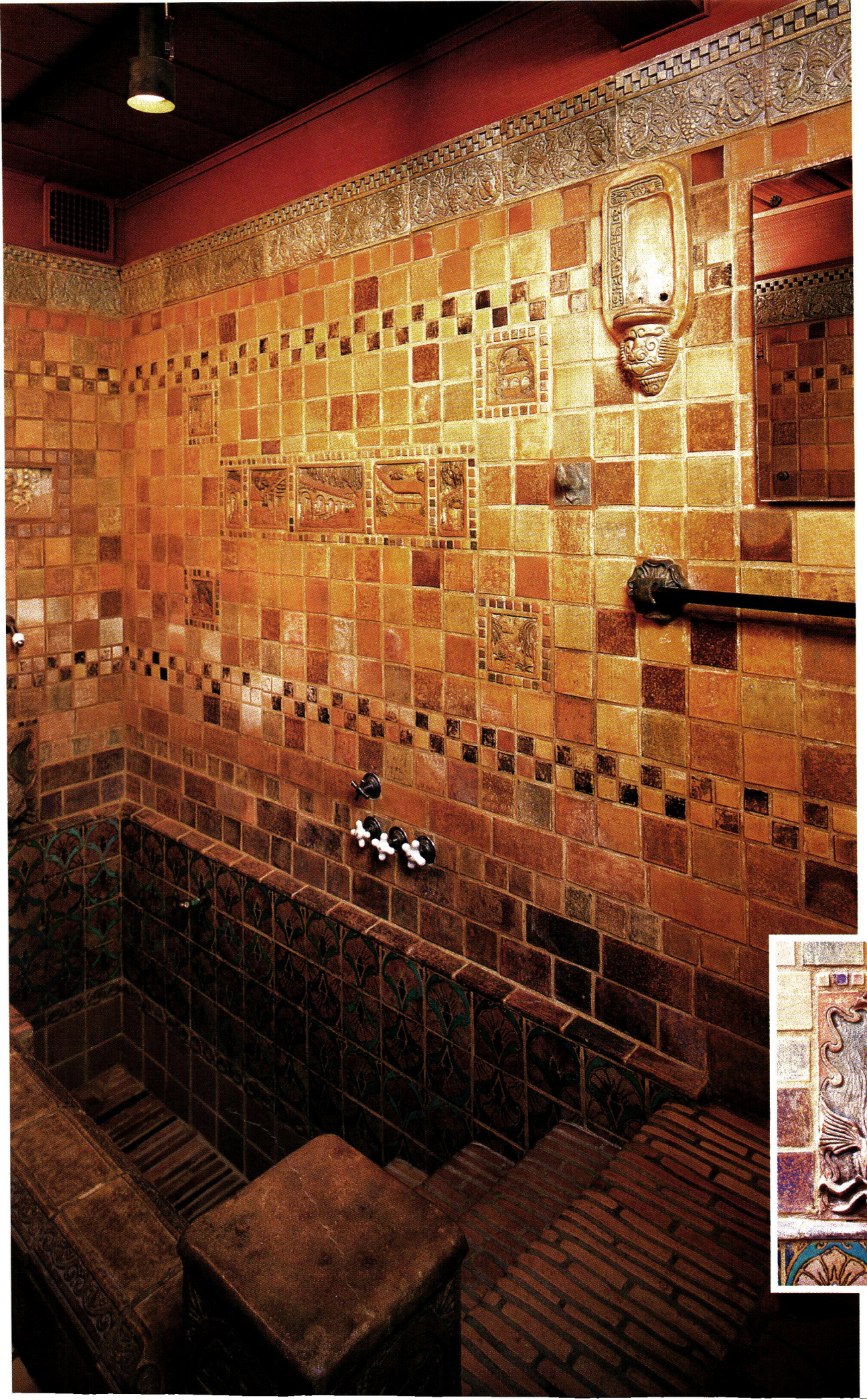
Rebuilding the failed shower bed—a 5"-thick layer of mortar with a tarpaper liner—was the most straightforward part of the job. Much more intricate was selecting replacement tile to blend with the old, and re-creating the original floor pattern out of mostly new tile.

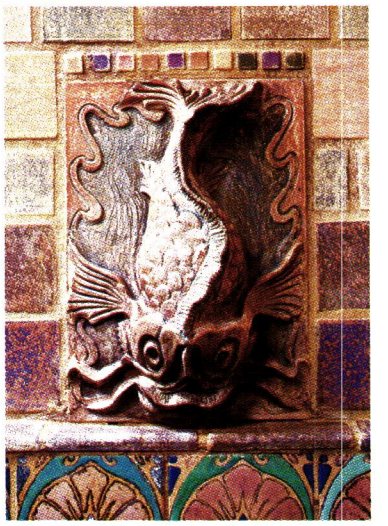
"My approach is to decide which tiles are going to be lost," Doty says. "Like a surgeon, I carefully mark out where that will be. But I don't like to cut until I have the replacement tile picked out."

Most of the tiles in the McConnell's bath-

Top: Mike and Marilyn McConnell fell for their 1930 *hacienda* with one glance at the bathroom (opposite). Had they been unable to repair the shower, they would have kept the room intact "as a beautiful thing."

LINDA SVENDSEN





Muresque Tiles manufactured the fantasy tiles in the McConnell bathroom not long before the company went bust in the 1930s.

Clockwise from left: Two score marks on the tile wall separate what's to be sacrificed from what's to be saved. The new shower pan, an impervious membrane, gets the water test. Diamond lath sets the stage for the scratch coat and dry-pack mud bed.

room—one of four so decorated in the house—were manufactured by Muresque Tiles, an Oakland company that produced handmade art tiles for only a brief period in the 1920s and '30s. The floor tiles in particular "have a wonderful gradation of color," Doty says. "They're a mix of buff and red clays, with some burning from the kiln."

Since Muresque was long gone, finding replacement tile meant picking over the "boneyards" of different tile companies. For this job, Doty found simple but workable replacements at Handcraft Tile in Milpitas, a company that's been producing handmade art tile since the 1920s. None of the dimensions matched, however, so Doty and his team cut the new tiles down to roughly the correct dimensions. To recreate the round-edged look of the originals, the crew shapes and contours the new tile with an alpha grinder, a tool used to polish marble.

With the replacement tile stacked and ready, Doty makes his first cut, working slightly below the edge of the top row of tile he plans to remove. He uses a high-speed 4½" mini-grinder mounted with a dry-cutting diamond blade. "Then we cut a second kerf about ½" below that line," he says. "We cut it twice, then pop the narrow band out between the two cuts. That leaves a ¾" kerf, and we're on our way to successfully isolating the part we're going to destroy from the part we're going to save."

With the wall tile removed, Doty takes up the floor tile. "I did this for years by hand, but it's actually faster and gentler with an electric chipping hammer."

Because the shower bed will be sealed to a depth of 10", he installs a two-part drain with an extra-long flange. Next comes the liner, an impervious membrane made of chlorinated polyetheylene. Doty sandwiches the membrane in between the two-part drain, then bolts the mechanism in place. The drain has three small weep holes that allow water to drain, but it's also sealed to keep water from penetrating to any permeable surfaces or materials.

After water-testing the membrane

for 48 hours—a plumbing code requirement—Doty attaches diamond lath to support the first scratch coat of mortar. Doty trowels "deck mud"—4½ parts sand, 1 part cement and just enough water to hold it together—to a depth of 3½".

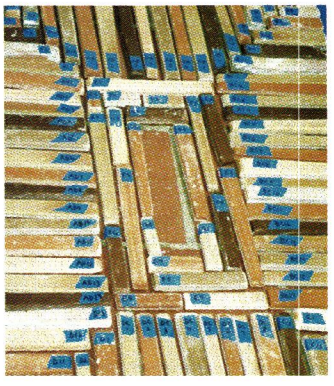
Since he'd already created the replacement tiles for the shower floor, relaying the pattern is a matter of copying the original design as closely as possible. The narrow tiles around the perimeter mesh in a herringbone pattern at the corners, so that part of the job is fairly predictable. The tiles around the drain, however, were pieced together in haphazard and asymmetrical fashion. "The new pattern may not be identical, but it's the same in spirit," Doty says.

Unable to find anything approaching the blue, pink, and lavender fleur-de-lis tiles lost around the base of the shower, Doty sets two rows of neutral, bisque-colored field tile. As a transition between the new tiles and the fantastic originals, he adds a band of scalloped tile—a complimentary nod to the large bas relief fish tile at the head of the shower.

Another trick was spacing the replacement tiles in a style reminiscent of period installation. California art tiles of the 1920s and '30s were undulating and irregular, laid with grout joints of ¼" or more. "If you simply space industrial tiles ¼" apart, you've gone about halfway towards convincing the eye that the new tile is actually old," he says. "In that case, the color of the mortar is the only giveaway."

While the McConnell's shower restoration isn't museum-level, the couple gained a working shower without sacrificing the unique qualities of the bathroom that drew them to the house in the first place. "If you can keep 85% to 95% of the original tilework, you get to the point where the new material doesn't stand out," Doty says. "It allows the original to be what it is."

That's a trade-off the McConnells are more than happy to make.



Top: Although the glazed floral tiles on the shower risers had to be replaced with plain, bisque-colored tile, the more visible tile on the treads mimics the original look. Above: Doty lays out the pattern and numbers each tile. Left: The new shower floor is a dead ringer for the old one (opposite, far left).

LINDA SVENDSEN (TOP)
RILEY DOTY

Return of the ARTFUL BASIN

by mary ellen polson

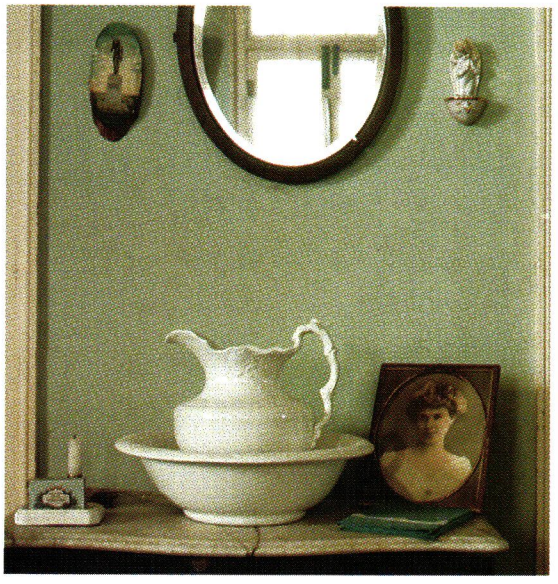
Before bone white became a bathroom basic, Americans splashed their hands and faces with water from freestanding basins brimming with delicate color and floral design. The sparkling white bath fixtures of the early-20th-century Sanitary Movement would eventually take the country by storm, but for much of the 19th century, the humble bowl and pitcher was the only way to wash.

As early as 1837, Eliza Rotch Farrar advised young Victorian women to bathe daily in her etiquette book, *The Young Lady's Friend*. "The whole surface of your body may be gone over with one large wash bowl full of water," she admonished. "By practice you will become so expert as not to make any slop on the carpet."

The Victorians soon made a thing of beauty out of a basic necessity, creating matched bowl and pitcher sets in fine china. The wash-bowl set rested conveniently on a marble-topped dresser or washstand in one corner of the bedroom or dressing area. While bowls tended to be plainly shaped, with occasional fluting, pitchers and ewers ranged from the sturdy and utilitarian to gorgeously sculpted works of art. In any case, both bowl and pitcher bore a strong decorative resemblance to the fine china dinnerware, porcelain vases, and ceramic knicknacks displayed throughout the house.

Many of these basins were probably hand-decorated, especially after the 1876 Centennial Exposition in Philadelphia gave hand-painted ceramics a boost. Others were transferware, a decorative glazing method first produced in 19th-century England.

Transferware was the preferred means of producing scenics and pastorals on dishware. To create a piece of transferware, a factory worker would transfer a pattern from a copperplate engraving to tissue paper, and then apply the paper to the ceramic surface of a pitcher or bowl. Transferware patterns could be underglazed or overglazed, and typically appear in a single color—light blue, mulberry, brown, and "Flow" blue were favorites. While transferware patterns were usually finely detailed, overglazing produced a sharper, crisper pattern; underglazing (the method used to create the much-admired smeared look of Flow blue pieces) tended to blur the design.



Above: Victorian bathroom basins often resembled fine china, like this design from the 1888 J.L. Mott Iron Works catalog. Top: Before the advent of piped-in water for washing, the wash bowl and pitcher kept things clean in Victorian bedrooms.

As soon as bowl and pitcher sets reached the apex of style, the advent of indoor plumbing in the late-19th century eliminated the need for a pitcher. The next logical step was to drop the basin into the marble-topped washstand. Drop-in basins didn't immediately lose their pretty colors, though. The 1888 J.L. Mott Ironworks catalog, for example, features page after page of decorated porcelain wash basins. Most of these English imports sport a broad, finely patterned band with a floral or fruit motif just below the interior rim. Since most feature more than one color, they may have been hand-painted, although

STEVE GROSS & SUSAN DALEY

By 1913, artfully decorated porcelains were headed out the door, along with other Victorian clutter. The white porcelain pedestal was ascendant.

some of the checked and flower-sprigged patterns suggest transferware. Mott's basins came in two oval sizes familiar today (19" x 15" and 17" x 14"), plus a 14" round bowl.

The run of the decorated basin would soon to come to an end, however. Hand-decorated china fell out of favor as an art form with the turn of the new century. In 1901, the Paris World's Fair barred American hand-painted china from competition. By 1913, the year Elsie de Wolfe published her influential volume, *The House in Good Taste*, artfully decorated porcelains for the bath were headed out the door, along with the other Victorian clutter. Sleek, elegant, and easier to keep clean, the white porcelain pedestal sink was ascendant. The next year, Mott's 1914 catalog offered not a single decorated sink, instead favoring pedestal and wall-hung sinks in ivory-white imperial and vitreous china. Not until the late 1920s would color reappear in American bathroom fixtures.

Clockwise from top left: A botanical study by Kohler. The classic white pedestal sink, like this one by Toto, became the standard as early as 1914. Ann Sacks' earthy Ramela, and Kallista's take on Chinese porcelain

Today's decorated lavatories meld the best ideas from the porcelains of the past with modern, high-fired ceramic technology. It's no coincidence that Kallista's Blue Dynasty basin (below, left) resembles fine Chinese porcelain, or that Ann Sacks' Ramela (center) is a take on the look of hand-thrown pottery from the Arts & Crafts Movement. No longer merely white, these basins are as clean as the Sanitary Movement fixtures of the teens and '20s, and as artful as the hand-decorated porcelains of the Victorian Age.

SUPPLIERS **A-BALL PLUMBING SUPPLY** (800) 228-0134, www.a-ball.com Circle no. 11 on resource card. • **ADDKISON HARDWARE** (800) 821-2750 Circle no. 36 on resource card. • **AFFORDABLE ANTIQUE BATH & MORE** (888) 303-2284, www.bathandmore.com Circle no. 37 on resource card. • **AMERICAN STANDARD** (800) 524-9797, www.us.amstd.com Circle no. 38 on resource card. • **ABSOLUTE BY AMERICAN STANDARD/AMERICAN CHINA** (800) 359-3261 Circle no. 5 on resource card. • **ANN SACKS** (503) 281-7751 Circle no. 26 on resource card. • **ANTIQUE HARDWARE & HOME** (800) 422-9982, www.antiquehardware.com Circle no. 27 on resource card. • **BATHROOM MACHINERIES** (800) 255-4426, www.deabath.com Circle no. 28 on resource card. • **GERBER PLUMBING FIXTURES** (847) 675-6570, www.gerberonline.com Circle no. 29 on resource card. • **KALLISTA** (888) 452-5547, www.kallistainc.com Circle no. 30 on resource card. • **KOHLER** (920) 457-4441, www.kohlerco.com Circle no. 31 on resource card. • **MAC THE ANTIQUE PLUMBER** (800) 916-2284, www.antiqueplumber.com Circle no. 32 on resource card. • **RENOVATOR'S SUPPLY** (800) 659-0203. Circle no. 33 on resource card. • **TOTO** (800) 350-8686, www.totousa Circle no. 34 on resource card. • **URBAN ARCHAEOLOGY** (212) 371-4646 Circle no. 14 on resource card. • **WATERWORKS** (800) 927-2120, www.waterworks.com Circle no. 35 on resource card.

A Case History in Masonry Reconstruction

Saving the Structurally Challenged

by Douglass C. Reed

AROUND 1815, a prospering farmer selected a site for his new two-storey house in a valley of south central Pennsylvania. On an exquisitely dressed-and-laid blue limestone foundation, tucked into a hillside north of a spring, he built a fine, five-bay brick house. Inside, he trimmed the first floor in the latest styles of mouldings. By the door a graceful, partially enclosed staircase wound up to the second floor. Every room could be warmed by a fireplace—every room save one.

Deep shadows on the stone foundation show how far the wall had bellied by April of 1999—fractions of an inch away from total collapse.

The lack of one fireplace and a few important stones in the south foundation became latent defects in this otherwise solidly built brick house. Nearly 200 years later these long-term time bombs would bring one wall close to collapsing and threaten the entire house. Engineering a way to keep this "structurally challenged" building intact, while correcting the inherent flaws became a challenge of its own for our company. Here are a few of the methods we devised to carefully and economically repair the building. They are a good example of why it's valuable to analyze the chain of causes behind most structural problems, and what is possible in the reconstruction of historic masonry.

SERIOUS SYMPTOMS

In April of 1998, I had a phone call from the owners who were concerned about a bulge in one of their walls. As soon as I saw the major protrusion extending over a large portion of the south gable, I called an engineer colleague, Merle Saville. Though we've worked on many historic structures together over 15 years, neither one of us could fully explain why the end wall was still standing. The "belly" protruded 12" to 13" out of plumb—a distance equal to the thickness of the brick wall. Moreover, there was no obvious reason why the wall had moved in the first place.

We started to find answers to these questions as we began to work on the house (see sidebar page

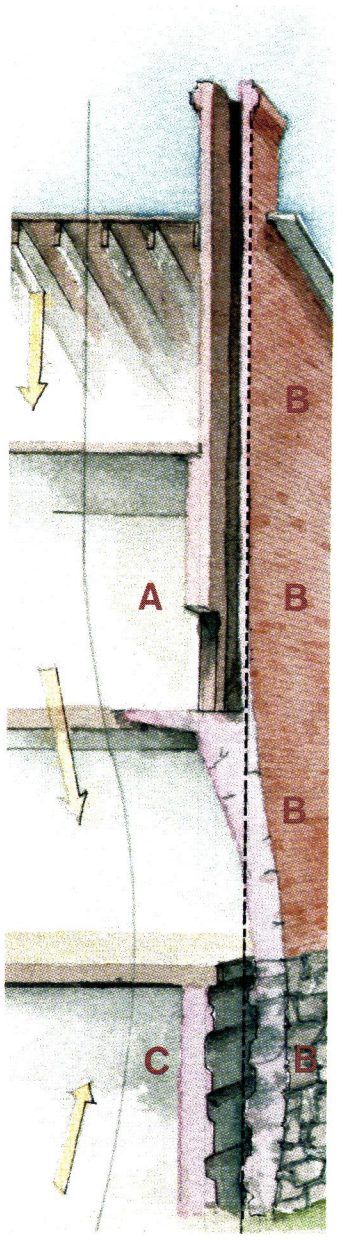
70). Evidence suggested that the bulge appeared very slowly, and continued to grow over the life of the building. When the current owners purchased the property in 1974, they partially remodeled the gable end rooms to hide the gaps already showing between baseboards and flooring. As we removed the hardboard paneling in the first floor, it became clear that the weight of a cantilevered chimney put more load on the wall than it could handle. Later, when we partially dismantled the brick and stone walls, we noticed the lack of tie rocks in the foundation. Not good signs, but why was the wall still standing at all? Looking further, we realized that the central masonry mass of the south gable wall rested on the ends of the second floor and attic floor summer beams. Had the masonry rolled past its last bearing on the summer beams, the wall would have collapsed.

STABILIZING THE GABLE

Before we could start extensive work, it was essential to relocate one family member out of the south end of the house and move all belongings to safer areas. Engineer Saville and I believed that if the south gable wall did collapse, it would not destroy the remainder of this large dwelling. However, the wall failure would most certainly damage the room interiors

Across the second storey, heavy plank whalers hold in the upper gable—with its decorative burned bricks in the peak—while the crew rebuilds the American bond masonry. The outermost window edges became the reference point for the undistorted wall.

BRIAN MCNEIL



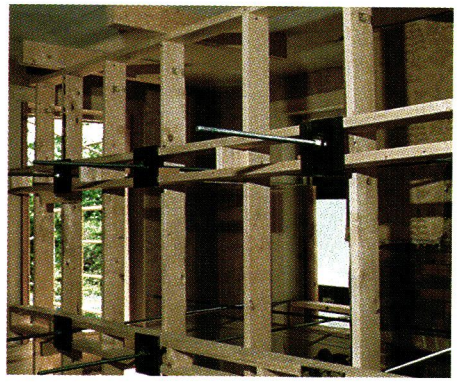
Behind the Bulging Bricks

Three shortcomings in the original masonry act together to slowly force the gable end into a severe bulge.

A Directly above the rear first floor room—which never had a built-in heat source—sits a fireplace in a second-floor bedroom. This fireplace rests on brick corbelling that starts a few feet below the ceiling of the first floor, and rises up through the attic to join the main flue. This cantilevered mass of masonry is, in effect, a lopsided weight hanging on the interior side of the brick gable wall.

B Immediately adjacent to the second floor chimney stack, and where a chimney would have been on the first floor, is a four-storey set of vertically aligned windows with jambs only 30" off the corners of the building. The small basement windows, two large first and second floor windows, and the small attic windows create weak points near the corners, allowing the center portion of the gable wall to roll outward.

C The third factor contributing to the bulge is a poorly tied together foundation wall. With finely chiseled and laid-up stone on both exterior and interior faces, but only stone chips and weak bedding mortar in between, the foundation is actually two stone walls built back-to-back. It doesn't help that the 12" thick brick wall sits on the outside half of the 20" to 22" thick foundation wall.



Above: Outside, timber shores and an earthmover stabilize the bulge while dismantling begins. Below: Inside, stud-walls and rods carry the floor and roof loads.

immediately adjacent to the bulge.

Our next task was to design and install a system to stabilize the building. More than a set of shores, this system would have to fill three requirements: 1) support from inside the building; 2) prevent the endangered wall from collapsing; and 3) carry the gable wall, floor, and roof loads as various sections of the wall were dismantled and rebuilt. Our solution was to install a system of posts, beams, and 2 x 6 stud frame running from the basement floor to the attic floor—in essence, a new interior wall 6' back from the failing gable wall.

In addition to vertical support, we also designed the post-and-stud walls to stabilize the bulging gable wall. By taking advantage of all the existing window openings, then carefully boring a few strategic holes in the masonry, we were able to pass threaded rods from the stud wall through the masonry wall, then anchor them on the outside with wall washers and 2 x 6 whalers. Later we added through-bolts across the width of the house, to keep the front and back walls from spreading. Hanging rolls of clear plastic on the temporary stud wall kept dust under control, while sheets of drywall protected all finished floors in the work areas.

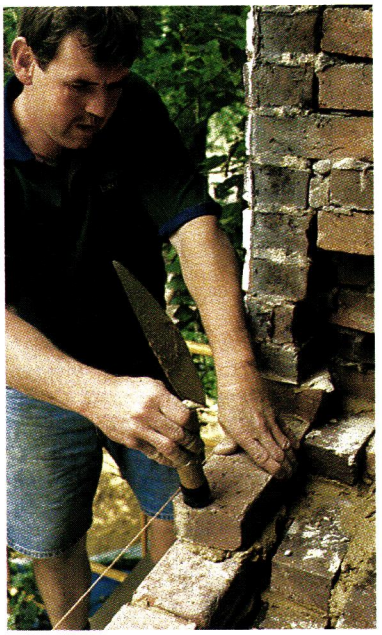
With the indoor stabilization system in place, we moved outdoors. On the right half of the gable end we set up a pair of shores: 20' posts set into holes a yard deep and aligned vertically on the exterior. Then we heeled a pair of 6" x 6" props into the ground and braced them with pinned 6" x 6" posts. To add a little psychological safety net, we moved a bulldozer in front of the left side, maneuvering its large bucket up against the worst area of the bulge.

BRICK BY BRICK

After taking all possible precautions, we began the slow process of dismantling one half of the south gable wall. No one was permitted to work from the scaffold. If the wall did collapse, we felt the men would fare better on the interior side of the wall than on the exterior side.

Over the years we've found that reciprocating saws are ideal for dismantling historic brickwork. When chucked with an 8" woodcutting blade, you can start a hole

ROB LEANNA (ILLUSTRATION); DOUGLASS REED



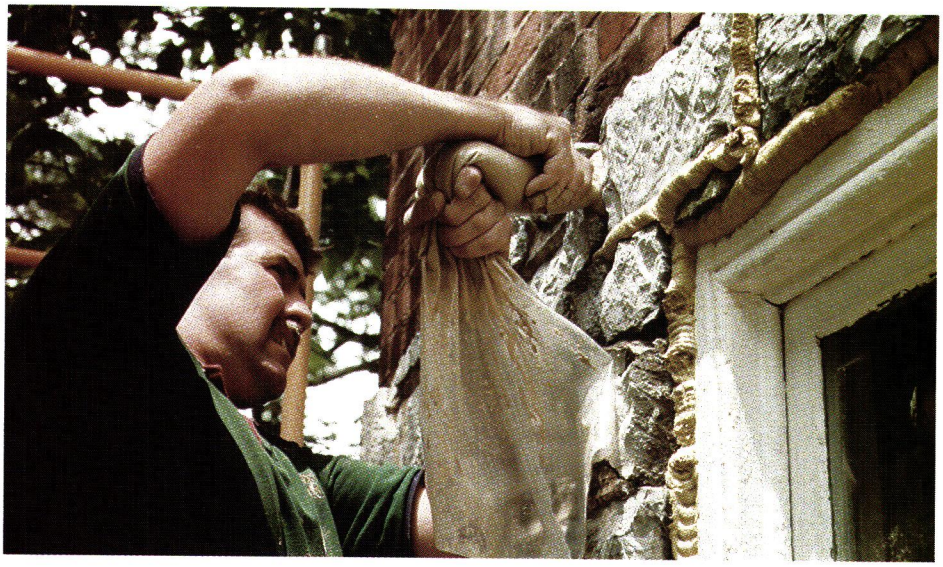
Above: Paul Wade prepares to set a brick with one hand as he "butters-up" the course with mortar using his other. Left: He taps each brick flush with a string line that marks correct wall position. Far left: Steve Fox adjusts each mortar joint so new brickwork will meet the old without resorting to partial bricks. In the background, note the massive gap between the plaster lath and bulging masonry—nearly equal to the thickness of the three-brick wall.

with the saw, then literally slice through the soft mortar with minimal shock to the wall or loss of brick. (The dust is hard on electric motors, however, so we ultimately sacrifice the saw.) With this method we can recover 75% to 85% of the historic brick in re-usable condition.

As each brick comes loose, a man picks it off the wall, then carefully knocks it clean of old mortar with a trowel before stacking neatly nearby. It's important to keep the different types of brick separate. Face brick is fired in the hottest part of the kiln, making it hard enough to withstand exposure on the outside of the wall. Fill brick (also called salmon brick) is fired in a cooler part of the kiln, leaving it softer and only usable for protected parts of the wall.

We dismantled the west half of the south gable wall from the headers of the second floor window down to ground level, just below the basement floor. As the wall came down around each window, we took it to the shop to restore and ready for reinstallation. Tarps covered the large hole in the wall to protect the interiors.

Immediately after we finished all dismantling, a crew of three to four men started relaying the stone foundation. We laid the exterior and interior wythes of stone flush, plumb, and in their original positions, but with one major exception. We laced the wall with new tie rocks, staggered 4' to 5' apart. These rocks span the full 20" to 22" width and hold the two faces of the wall together. In addition, we modernized the bedding mortar. For almost all our historic masonry projects we start with



Top: Using a mason's "pastry bag" Paul Wade fills joints in the dressed-limestone foundation with finish mortar. Above: To match the inverted-V pointing, he sculpts the mortar with a small trowel. The new mortar will weather to historic colors. Left: A stock item, the bag is faster for filling irregular joints than pushing mortar off a trowel.

premixed mason's mortar (50% lime, 50% portland cement) Then we combine 1 part of the mason's mortar with ¼ part mason's hydrated lime, and 3 parts sand. We find this mortar is a good match with historic masonry units, and has a higher tensile strength to better bond the stones.

After topping off or leveling the stone foundation, we used the same strategy to rebuild the first storey brick wall: one half at a time. Using the cleaned original brick we relaid the firebox and chimney flue system in all the original sizes. Here our mortar mix for the softer bricks is 1 part mason's mortar, ¼ part lime, and 3½ to 4 parts sand. We tied the brick wall with header courses the same as the original three-brick-thick wall. The restored windows were reset into their original locations.

CLOSING THE GAP

Even after the west half of the gable wall had been completely rebuilt, there still remained areas of badly sheared brick joints in the east half. As a result, there were two small collapses—one of about 80 bricks and another close to 250 bricks—while the east half of the wall was carefully dismantled. In each case the men sensed the problem and managed to move out of the way in time. Since the floors were protected with drywall, there was no damage to the surfaces.

Except for the west firebox and flue that cantilevered to the interior side of the wall, we also rebuilt the second floor as originally constructed. However, as we restored the east half chimney system from the basement to the attic, we took the time to key and tooth it to the rebuilt south gable wall. This way the chimney now acts as a stabilizing masonry stack for the wall.

Throughout the masonry reconstruction we left all the original closets and doors in place. We reset all baseboards, chairrails, window jambs, and casings that had to be removed. Once we restored all the finish woodwork and reapplied it to the exterior gable wall, the interior brick was plastered to a smooth white finish coat. The ceilings in the rooms were also refinished.

DOLLARS AND SENSE

Only after dismantling and rebuilding both halves of the south gable masonry were we sure the wall could be salvaged. The two-stage process allowed us to retain a higher percentage of good wall components than wholesale demolition. For example, the entire brick gable end at the attic level was not rebuilt but left in place. Much interior woodwork—notably the four narrow closets—was salvaged untouched. Had we chosen to dismantle the full gable end, we would have been free to rebuild without working around some of the support structure needed to keep the gable in place. Ultimately, however, we feel we saved the client some $15,000. The other value, of course, is that more of the house remains original.

The entire project cost roughly $83,000. Divided over the entire useful floor plan of the dwelling, the cost of this dangerous wall and four-room restoration was $13.65 per square foot of finished floor space. If the house had been bulldozed, and then reconstructed on the original site, the new house with some 6,290 finished square feet would cost nearly $865,000. Even so it would never match the priceless quality of the original structure.

BRIAN MCNEIL

Above: The exterior shores are triangles planted deeply in the soil. Right: Working half a wall at a time, the crew knits new stone and brick masonry seamlessly into old while using all historic materials. Below: The difference between fill or salmon brick (center in photo) is clear when compared with face brick (left) and modern brick. The fireplace lintel iron is made from a wagon wheel tire.

It takes comparisons to decide whether or not a structurally challenged older building is worth saving. First calculate the total net livable square footage of the building, then determine the costs for comparable-sized new housing in your area. Also look at the construction values of a new house versus the quality of the older building.

The owners of the old brick house are very happy to remain in their beautiful 1815 home. After exploring all the alternatives, their choice to restore the south gable wall gave new life and usefulness to the dwelling. Do you face similar decisions with a structurally challenged old house? Believe it or not, a good building is usually cheaper to restore than to replace.

DOUGLASS REED *is President of Preservation Associates, Inc. specializing in restoration of log, stone, and brick structures across the country. (449 N. Prospect St., Hagerstown, MD 21740; 301-791-7880)*

Suppliers

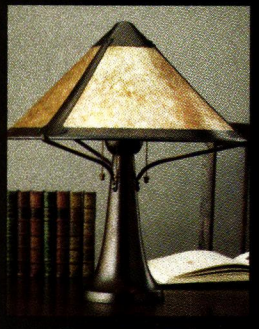
- **BON TOOL CO., 4430 Gibsonia Rd., Gibsonia, PA 15044 (800) 444-7060. Masonry tools. Circle 23 on resource card.**
- **GOLDBLATT/STANLEY, 100 Stanley Dr., New Britain, CT 06053 (800) STANLEY. Masonry tools. Circle 24 on resource card.**
- **MARSHALLTOWN TROWEL CO., 104 S. 8th Ave., Marshalltown, IA 50158 (515) 753-0127. Masonry tools. Circle 25 on resource card**

The Mica Lamp Company

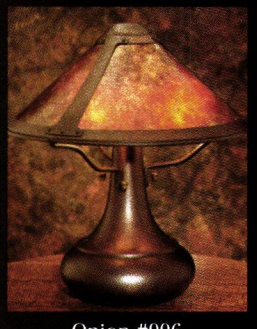
Milkcan #001

Authentic Copper Designs

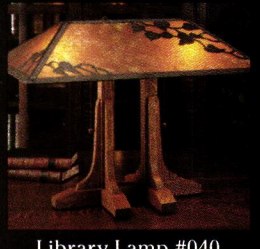
American Craftsmanship



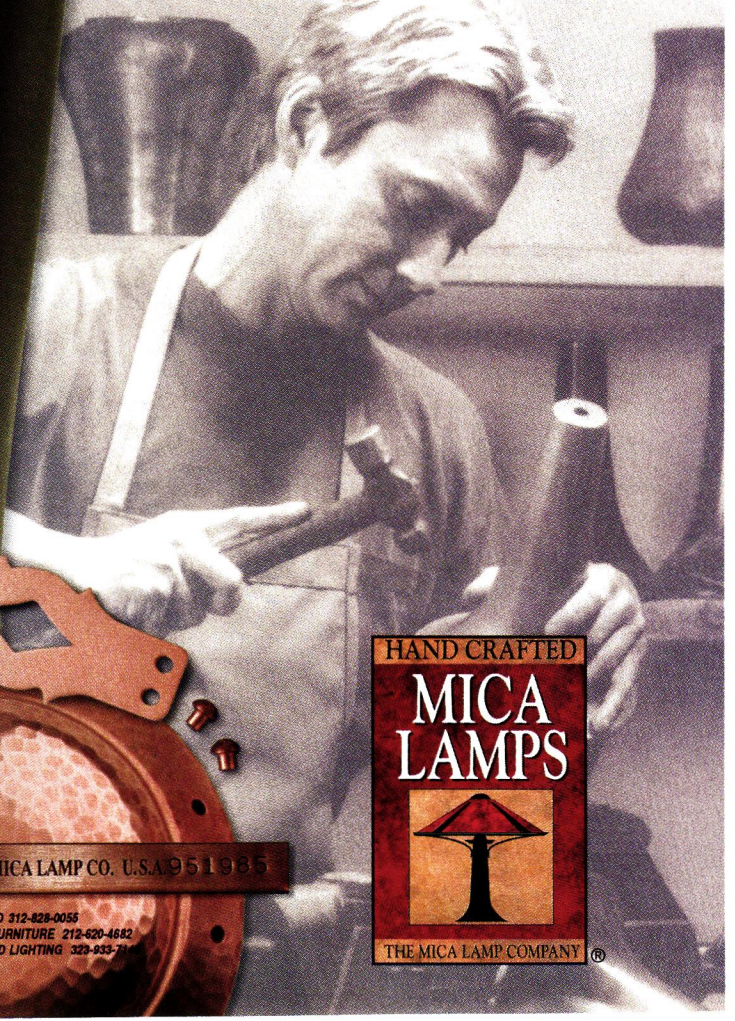
Trumpet #014



Onion #006



Library Lamp #040



HAND CRAFTED MICA LAMPS

THE MICA LAMP COMPANY®

517 State St. • Glendale, CA 91203
800-90-LAMPS • Fax: (818)241-7227
High Point C&D • Dallas TradeMart
New Catalog Available
Call for the Mica Lamp dealer nearest you.
www.micalamps.com

Circle no. 158

BASICS

Parting Ways

BY MARYLEE MACDONALD

No nail defies this 19th-century patent puller. You pound the slide handle to grab the head, then rock the tool to pull the nail (inset).

SOMETIMES THE HARDEST part of replacing cabinet hinges, repairing broken door hardware, or restoring interior trim mouldings is getting the darned things loose. Often layers of paint cover the screws or bolts, so you can barely see where they are, much less get a screwdriver on them. Or, they're frozen by rust and graced with those nasty spin marks from a stripped head.

Getting uncooperative screws, bolts, and nails to budge is not a pure science—it may take several methods to gain success—but you're not totally on your own either. Here are some time-tested methods for undoing typical old-house fasteners.

Pulling Common Nails

BECAUSE MOST COMMON nails have smooth shanks, they're undoubtedly the easiest fasteners to remove. When you're gutting a remuddled basement or attic, and you don't care about protecting the plaster walls or preserving existing

PHOTOGRAPHY BY ROB HUNTLEY/LIGHTSTREAM

Always remove finish nails from salvaged trim by pulling from the backside of the board. Grip the nails with a pincer nail puller or Vice-grip pliers, then pull by rocking the tool. (Sharp claw hammers also work.) The head will come clear through the wood leaving a neat, stackable piece of trim.

1950s trim, use the rough-and-ready approach of hammers, prybars, or cat's paws.

CLAW HAMMER Slide the claws of a hammer around the nail's head, then place a block of wood under the hammer's head to increase leverage. The pulling hammer I like is a 16 oz. rip or framing hammer. The straight claws slide like the tines of a fork around the nail head. The long handle also increases leverage. If you have a tough time grabbing the nail head, use another hammer as a striking tool to get the pulling hammer to grab. You can also use the straight claws of two hammers positioned head-to-head to pry apart 2x4s that are nailed together.

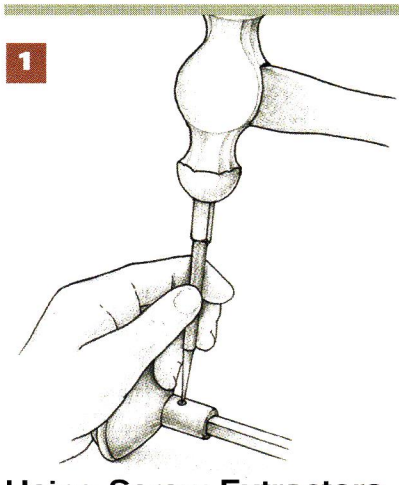
PRYBAR Every carpenter has a favorite prybar, and if you're into heavy demolition you'll rely on the wrecking bar. The hooked end is forked, but you may have to use your hammer or a cat's paw to pry up the nail head. A 3' or 4' wrecking bar pulls out big cut nails and spikes, and is long enough to let you work floors standing up. To remove lath, old cabinets, and the like, the best all-around tool is an 18" straight prybar with a round or hex, 1"-thick shank. It's nice and stiff, plus you can use either end to get under nails and pry them up.

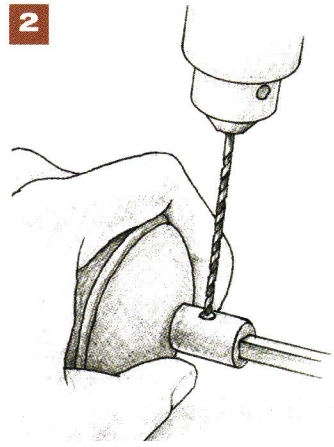
CAT'S PAW The first cat's paw I remember came out of my boss's nail apron when I was a carpenter's apprentice. I was astonished, as much by the name as by what this small, innocuous tool could accomplish. Cat's paws scoop the nail out of the wood, and they work even if the nail head comes off. When the inside, gripping wedge of a cat's paw slides around the nail, it carves a groove in the nail shank. There is literally no nail that a cat's paw cannot remove. It will also gouge the wood, but the nail will come out.

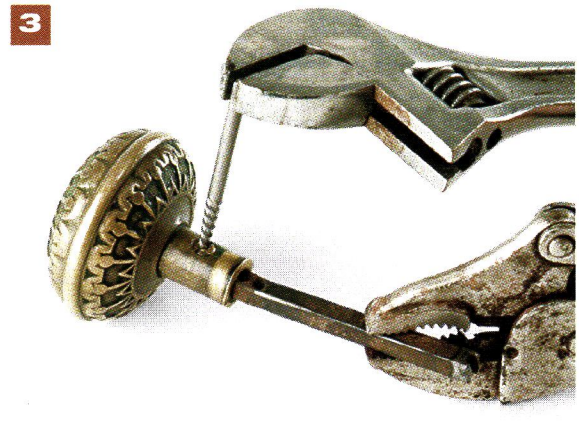
DECAPITATORS When it's critical not to put pressure on the material under the nail, you can grind off the head using a burr bit or rasp attachment chucked in a cordless drill or Dremel tool. Contractors who want to salvage roofing tiles or slates sometimes call on this technique. The brittle roofing material would break under any prying, so they grind away the nail heads, then simply lift the tiles off the headless nail shanks.

Finessing Finish Nails

WHEN YOU REMOVE trimwork you intend to replace, such as window stop mouldings or casings, you must use methods that protect the surfaces—both the wood and the walls. Never slide







Using Screw Extractors

Suppose you must remove a decorative doorknob, but a stripped grub screw holds it on the spindle. Saturate the threads with penetrating oil, then follow with these steps. 1) Prick a dimple in the precise center of the screw with a machinist's punch. This keeps the drill from wandering. 2) Choose a drill bit based on the size stamped on the screw extractor. Position your drill bit, using the guide provided in the extractor kit to keep your drill bit vertical, and bore. (Make sure you wear eye protection for close-quarters drilling.) 3) Insert the extractor in the hole and turn it counterclockwise to unthread the screw. If the screw still won't budge (extractors aren't foolproof), bore out its shaft.

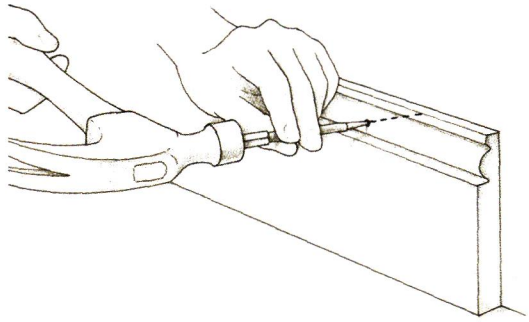
KATHY BRAY (ILLUSTRATIONS)

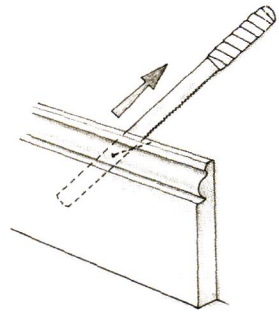
the claw of your hammer around a trim nail on the finish side of the woodwork, and never pry against a naked plaster wall.

THROUGH DRIVING Since finish nails have very small heads, if you can see their positions—as when the trim has a clear finish—you can drive the nails all the way through the wood with a hammer and nail set. For built-up mouldings, work from the outside in or the top down. The small, outer moulding sections won't be nailed every 16". They'll be fastened to the flat, 1x4s or 1x6s that frame the opening.

CUTTING FROM BEHIND When you can't see the nail heads because the trim is painted or the shellac has darkened, slide the blade of a 6" putty knife between the wall and trim. Next, slide another putty knife behind the first. Work the two knives until you open a slight crack between the wall and the woodwork. Then slide a hacksaw blade into the crack, and move it along the opening until you find the nails. Moving the free end, work the blade up and down until you sever the nails. After you've cut the first two or three nails, you can wiggle the board away from the wall for more room.

It's important not to let the nail heads pop above the finished surface. When the carpenter installed the trim, he set the nail heads below the wood's surface, and filled the holes. This hardened filler will lift splinters of wood if the nail head pops out the finished side, leaving a damaged surface that will be obvious under a new clear finish.





Tools for Nails

Left: A cat's paw bites below the wood's surface to clinch the heads of common nails. Most cat's paws have right-angled claws on one end to add pulling leverage. Below left: A nail set will drive finish nails right through most trimwork. Below right: Or you can cut the nails from behind with a hacksaw blade. Use a blade marked *hardened*, 10" or 12" long depending on the width of the trim. (Blades marked *tempered* have only hardened teeth.) Insert the blade in a handgrip made for holding hacksaw blades, or wrap one end with electrical tape. If the teeth point towards the handle, the blade will cut on the pull stroke—often easier for blind cutting.

Wayward Wood Screws

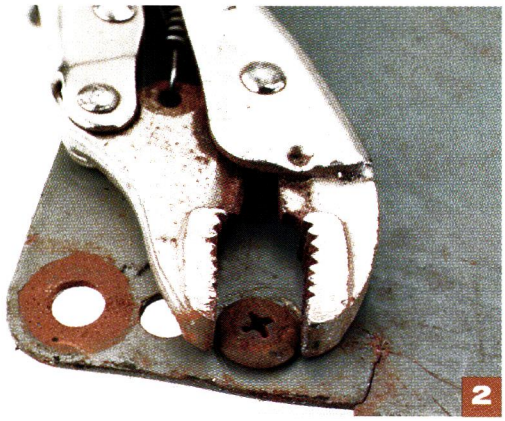
DON'T TRY PULLING OUT a stubborn screw with the claw of your hammer; you'll snap off the head, making removal even harder. Instead, get a proper grip on the head, but if that's impossible work on the shank.

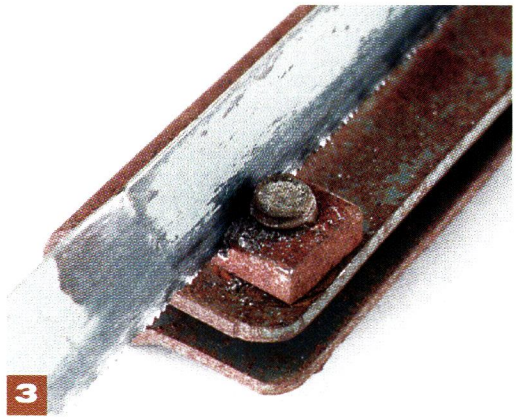
USE THE RIGHT TOOL Make sure your screwdriver blade is the proper size for the screw head or you will waste valuable turning power. The width of a slotted screwdriver blade must match the screw sided-to-side, and the blade thickness must fill the slot. The same is true for cross-pattern screws. The heads of Phillips screws look very similar to Reed and Prince screws, but Phillips screwdrivers are angled at 30 degrees, while Reed and Prince screws are angled at 45 degrees. That said, try giving the screwdriver a couple of good solid whacks with a rubber mallet (or a wood block to protect the screwdriver's handle) while you're turning and the screw should come out.

CLEAN OUT THE SLOT If the screw head is paint covered (often the case with door and cabinet hinges), daub it with paint stripper, then clean out the slot with a utility knife. When you remove the paint, you'll also remove its adhesive effect. If the slot is caked with rust, run a piece of hacksaw blade or an emory board (fingernail file) back and forth in the recess.

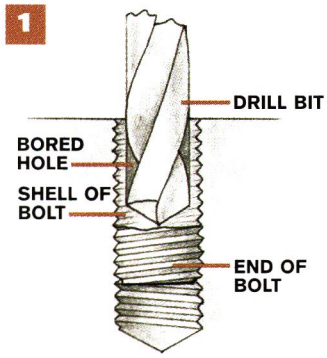
TURNING WITH A PUNCH A machinist's prick punch is made from tool steel, which means it will dent any other metal. For a screw or bolt with a stripped head, drive the punch into the center of the old slot to create a new hole. Place one corner of a screwdriver firmly in this new hole, and the blade on the undamaged half of the original slot, then turn.

DRILLING OFF THE HEAD Let's say you're pulling the original cabinets off the wall, but not plan-


2


3

4



Machinist's Methods

There's more than one way to conquer bolts and nuts. 1) When a head snaps off, you can bore away the shaft. Start with a punch-dimple in the center, followed by a pilot hole. Then increase bit sizes until the shell of threads comes free. 2) If you can get a grip on the head—because it's a pan-head or partly backed out—you can often turn the bolt or screw with a sharp pair of Vise-grip pliers. 3) Frozen nuts will free-up when you cut off one side just into the threads. 4) Sometimes you can back out a stripped stove bolt with a machinist's prick punch. Start with a sharp point, get a toe-hold on the the circumference of the head, then gently tap the bolt counter-clockwise.

SUPPLIERS

AMERICAN TOOL COS.
92 Grant St.
P.O. Box 829
Wilmington, OH 45177-0829
(800) 866-5740
Vice-Grip locking pliers.
Circle 17 on resource card.

GARRETT WADE CO. INC.
161 Ave. of the Americas
New York, NY 10013
(800) 221-2942
Hammers, nail pullers, prybars.
Circle 18 on resource card.

RADIATOR SPECIALTY CO.
1900 Wilkinson Blvd.
Charlotte, N.C. 28208
(704) 377-6555
Liquid Wrench penetrating oil.
Circle 19 on resource card.

WD-40 COMPANY
P.O. Box 80607
San Diego, CA 92138-0607
(619) 275-1400
WD-40 lubricant and penetrating oil.
Circle 20 on resource card.

ning to put them back in the same place. If you don't mind leaving part of the screw behind you can drill off the head of the screw.

Mastering Machine Bolts

RUSTY OR FROZEN threads holding bolts and nuts often loosen with heat, shock, or lubrication. When these forces fail, attack the fastener.

PENETRATING OIL Before advancing to tougher methods, soak the bolt or screw in penetrating oil, such as WD-40. Apply the oil several times, shooting in between the threads, and let it sit overnight. Don't be afraid to continue daily applications for a week. If you're trying to remove a nut, wire brush the threads clean, then oil.

IMPACT Sometimes a hard knock will break loose a bolt locked up by rust. Give the bolt shank—or the parts it fastens—a good whap with a brass hammer, being sure to protect threads or finished surfaces. You can also try an impact driver. This is a hammer-actuated screwdriver that shocks and turns the bolt at the same time.

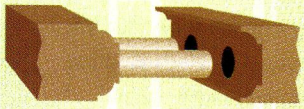
HEAT If you can heat the frozen bolt with a propane torch, the metal may expand enough to break the rusty bonds. Heat followed by impact will coax many a stuck bolt out of its hole.

SCREW EXTRACTORS If the head of your machine screw or large wood screw is too damaged to turn, you might have luck with a screw extractor. These little implements, sold at good hardware and auto parts stores, are made with a left-hand "thread" and in stepped sizes (see page 84).

DESTRUCTION If you work accurately with sharp tools, it's possible to bore the center out of a bolt. First, prick the center with a punch. Next bore a small diameter pilot hole. Then return with successively larger drill bits until you can dig out the thread fragments of the bolt. The same process works for rivets.

MARYLEE MACDONALD *is a building consultant in Evanston, Illinois.*

Introducing a door with a mission.



Solid dowel construction

Reminiscent of Prairie architecture, this simple mission pattern features double-bevels in the glass panel that mimic the raised panels below. All other glass pieces are of clear soft hammered and granite glass which offer privacy while allowing natural light to enter.

Available in 3'0" x 6'8" or 3'0" x 8'0" door sizes in meranti mahogany with matching sidelites, transom and frames.

Beveled Glass Designs

3185 North Shadeland Avenue • Indianapolis, Indiana 46226 • 317-547-5256 • 800-428-5746

www.beveledglassdesigns.com • Email: bgd@beveledglassdesigns.com

Circle no. 382

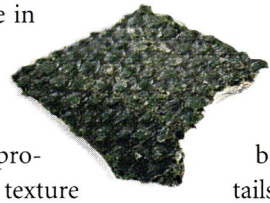
OLD HOUSE ADVISOR

A WEAVE APART

Do you recognize this wallcovering? It's from the living room of an 1893 house.

— Thomas Walters
Rochester, N.Y.

COARSE-WOVEN FABRICS became fashionable for walls starting in the 1890s, and were nothing short of *de rigueur* for Arts & Crafts houses up to World War I. Similar to grasscloth these textiles appeared frequently in conjunction with wainscots in halls, dining rooms, and dens—either to decorate the frieze in the top portion of the wall, or to fill panels in the bottom portion.



Most any fabric with a pronounced weave and rough texture filled the bill. Burlap was popular in several grades less liable to sag than the kind common today. Canvas, buckram (a linen or hemp fabric used in bookbinding), and linen union also came in wider selections. Plus, manufacturers such as Art Ko-Na and FABRIK-O-NA got into the business with their own versions. Burlap and jute might work fine in their natural state, or they could be dyed green or red. Check the Yellow Pages for industrial fabric suppliers of buckram, heavy canvas, and fine burlap; for linen union in colors contact Charles Rupert Designs (2004 Oak Bay Ave. Victoria, BC V8R 1E4 Canada; 250-592-4916).

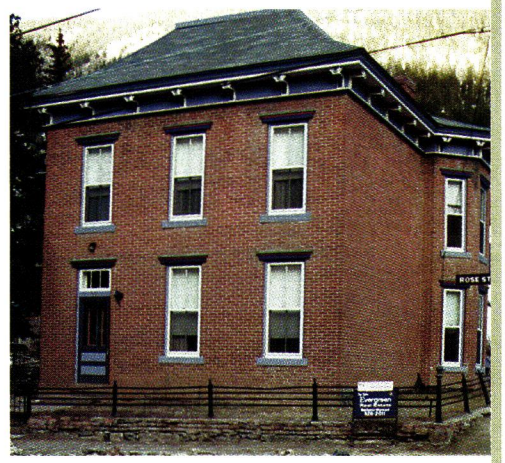
UNRESTRICTED ITALIANATE

I see many houses that look like our 1874 home in Colorado. Was it a catalog plan or is the similarity just coincidence?

— Joyce Pedlow
Newport Beach, Calif.

PERHAPS A LITTLE OF BOTH. Plan books with plates of designs and details for builders and homeowners alike were widely sold by the 1870s. Coupled with coast-to-coast rail service, they helped disseminate the popular house styles of the day—which begs the question of the style of your house.

The basic box massing and three-bay façade fit the mold of the Italianate style still popular at this time. Your house does not appear to have the round-top windows or window hoods that were common trimmings, but those eave brackets are right on target. So too is the rear bay window—a device to bring light into the back part of the house.



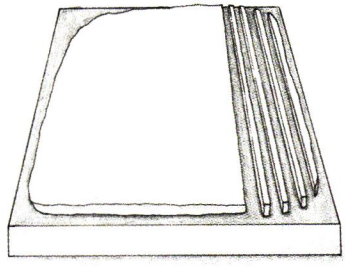
Roughly one-third of Italianates are simple two-storey cubes with three ranks of windows.

While your roof is not exactly hipped—the typical Italianate type—neither is it a true mansard. Research may reveal that the roof was rebuilt in the 1890s with those kicked eaves, or it once had a central cupola so characteristic of these houses.

POINTERS ON PUTTY

After restoring some 44 windows in our old house, I've come up with a few methods to share that increase efficiency and improve quality.

First, always work the glazing compound in your hands to soften it and homogenize the ingredients. Next, using the palm of your hand, press a large mound of compound into a 1/4" thick layer on a 12" x 12" ceramic tile or similar surface. Then, using a 5-in-1 tool or putty knife, cut the compound into 1/8" wide strips and lay them into the glazing rabbets for backputtying the glass. I find these strips work much better than forming the compound into a long "silly putty" rope.



Slice glazing compound into thin ribbons on a tile to speed backputting.

— Michael Thies
Cape Girardeau, Missouri

POST TIME

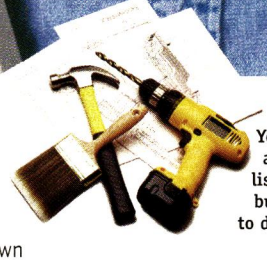
I searched for a center-bored wooden porch column to use as an outdoor electric lamp post. Unfortunately, such posts are getting difficult to find and increasingly expensive. So I purchased a solid-wood turned column for about $5, and cut a 1 1/2" deep dado running its length. (One method is to kerf away a dado by making repeated passes with a circular saw.)

Next I inserted exterior-rated electrical cable, then filled the channel with epoxy filler. After sanding, priming, and painting the channel, the $5 lampost looks great.

— Rob Lilieholm
Providence, Utah

KATHY BRAY (ILLUSTRATION)
ROB HUNTLEY/LIGHTSTREAM (FABRIC)

Custom design your project online and print out complete plans and materials list.



You'll receive a complete list of what to buy and how to do it yourself.

DIYonline.com is the only Web site that lets you custom design any home improvement project to your exact specifications - absolutely free! It's easy and fun. When you design your project at DIYonline.com, you get a complete printout of your project plans, step-by-step instructions, a list of every item you'll need down to the last nail, an estimated cost and recommendations on where to purchase all of your materials. And you can exchange ideas with other do-it-yourselfers online ... even have your questions answered by home improvement experts. So take the guesswork out of home improvement and log on to DIYonline.com now ... it's the only way to do it yourself.

DIY ONLINE.COM

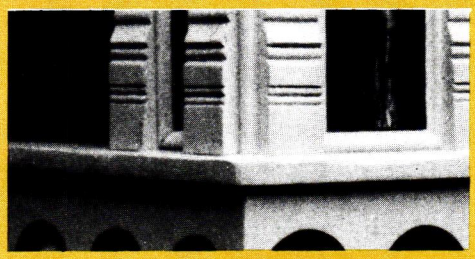
DESIGN IT YOURSELF. DO IT YOURSELF.™

www.DIYonline.com

Wood Restoration System

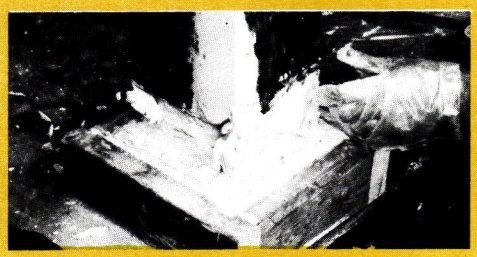
This rotted – and irreplaceable – woodwork...

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

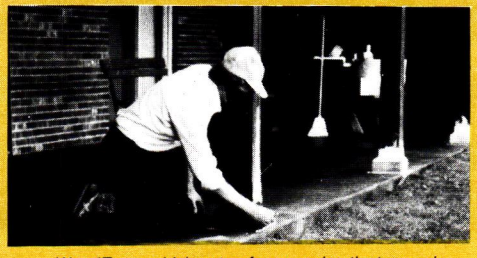


...sanded, nailed, stained or painted.

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



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

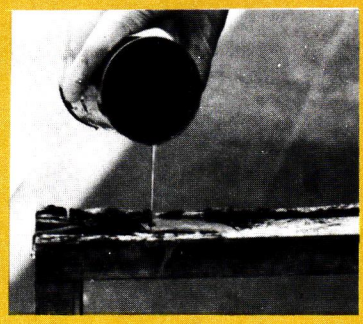


...WoodEpox, which outperforms and outlasts wood.

The New Standards To Restore & Replace Wood

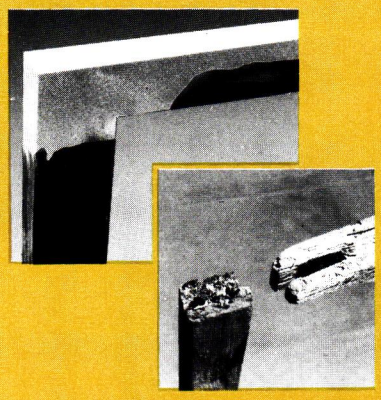
Specified by the U.S. Government, national restoration centers, museums, architects, contractors and other professionals, Abatron's restoration materials handle virtually any wood repair problem. Results are guaranteed by years of incredible performance and our service.

LiquidWood®

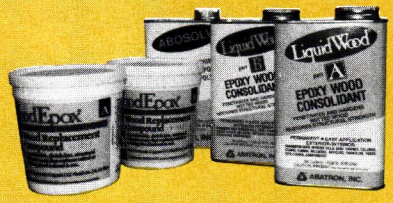


Deep penetrating wood consolidant. High-strength and strong adhesion, clear, transparent, low viscosity. Regenerates and waterproofs wood by hardening after penetrating. Can be brushed or poured on. Ideal for rotted windowsills and frames, columns, doors, furniture, sculptures structural and decorative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

WoodEpox®



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 **Wood Restoration Kit** contains **LiquidWood A** (resin) and **B** (hardener) and **WoodEpox A** and **B** and **Abosolv** solvent. Available in 5 pint, 5 quart and 5 gallon sizes.

Call (800) 445-1754

(262) 653-2000 • FAX (262) 653-2019

DISCOVER VISA MasterCard

ABATRON, INC.

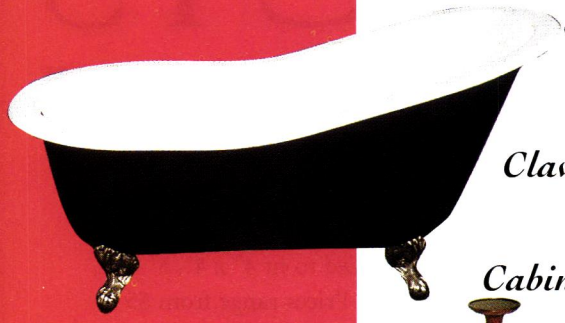
5501 - 95th Ave. Dept. OH Kenosha, WI 53144 USA
http://www.abatron.com.

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

Circle no. 254

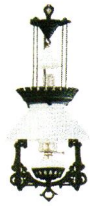
ANTIQUE & HOME hardware store

Guaranteed Lowest Prices for hard-to-find antique replicas!



Clawfoot Tubs

Doorstops



Lamps & Shades

Cabin Latches

Hand-Held Showers

Plant Stands

Specialty Prints & Indians

Mailboxes

Hardware

Tricycles

Clocks

Birdcages

Hooks

Weathervanes

Faucets

Tables

Toilets

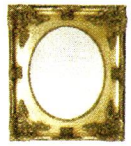
Doll Carriages

Horses

Chairs

Artwork

Mechanical Coin Banks



Mirrors

Address Plaques

Tin Ceilings

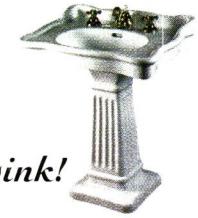
Umbrella Stands

Doorknockers

Library Steps

Agateware

Titanic Memorabilia



We carry everything for your home ~~except~~ including the bathroom sink!

Sale!

Hand-Held Shower

Solid Brass or
Chrome over Brass
2JN . . . only $389!

Full Shower Ring Assembly
2A . . . only $429!

Sale!

Folding Chair Library Steps

While supplies last . . . only $77.50!

ANTIQUE & HOME hardware store

MAIL TO:
Antique Hardware & Home Store
19 Buckingham Plantation Drive
Bluffton, SC 29910

OR CALL: **1-800-422-9982**
ask for catalog #6513

Wholesale inquiries invited.
Call 843-837-9796.

❒ *Yes! I'd like a FREE CATALOG for a complete product listing.*

Name _____

Address _____

City _____

State _____ Zip _____

Visit our website at www.antiquehardware.com

Circle no. 80

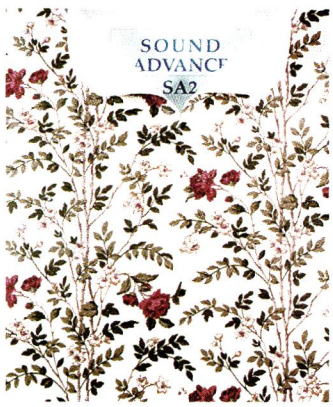
OLD HOUSE PRODUCTS

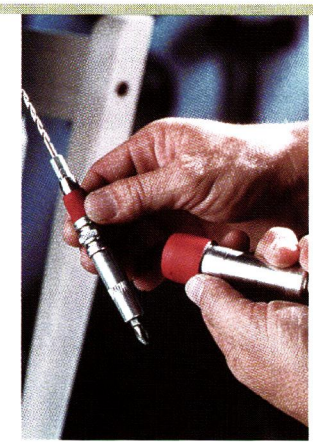
FINE CAP FOR A FENCE POST

WOODWAY POST CAPS will add the finished look of period millwork to just about any standard-size wooden fence post. They're available in nine styles, including flat-top, pyramid, and ball finial profiles. Some models are copper topped, and all are made of western red cedar. The protective caps are sized to fit 4" x 4", 5" x 5", and 6" x 6" posts and attach with weatherproof adhesive. Prices range from $5 to $20 each. Contact LWO Corp., (800) 459-8718, www.woodwayproducts.com. Circle 39 on the resource card.

HEARD, NOT SEEN

SPIN THE LATEST tunes without disturbing your period decor. The SA2 Invisible Flat Panel Loudspeaker installs into a wall or ceiling, then disappears under your choice of latex paint, fabric, wallpaper, or textured finish. (A seven-year warranty includes wall refinishing should failure occur.) Prices begin at $1,800 for a pair of speakers with backboxes and electronic circuitry; additional speakers cost about $1,400 per pair. Contact Sound Advance Systems, (714) 556-2378, www.soundadvance.com. Circle 40 on the resource card.



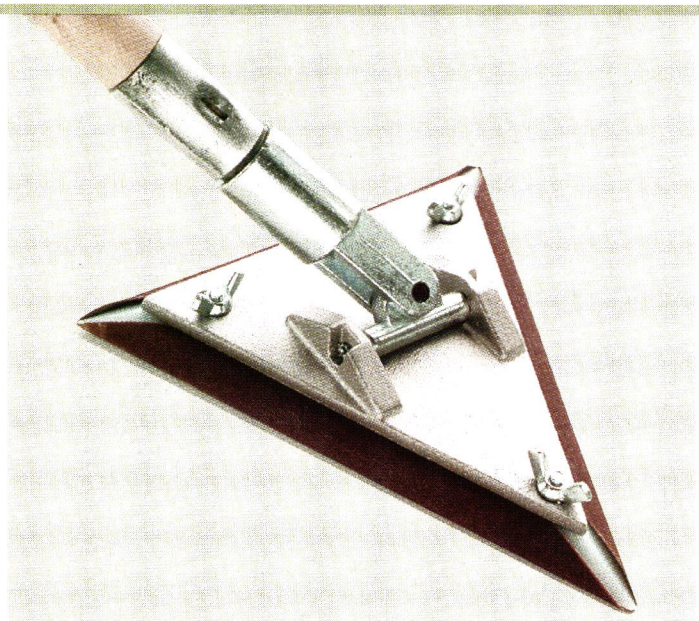


QUICK CHANGE

SWITCH FROM DRILL bits to drive bits swiftly and without an adapter with the Xchange Drill and Drive System. The modular design allows swift, keyless changing between functions, eliminating the need to re-chuck the drill when you switch from a screwdriver bit to a countersink, for instance. An integrated screw guide stabilizes screws up to 2" long. The system retails for about $15 to $25 in hardware and builders' stores. Contact Vermont American Tool Co., (502) 625-2000, www.vermontamerican.com. Circle 41 on the resource card.

SMOOTH TRIANGLE

SANDING PLASTER in tight corners just got a little easier with the Tri-Pad Drywall Sander. The edges of this triangular-shaped pad are tapered on all three sides, allowing you to finish-sand flush with ceiling edges, mouldings, and corners. The sander sells for about $16 in builders' specialty outlets. Contact Warner Manufacturing Co., (877) 927-6371, www.warnertool.com. Circle 42 on the resource card.



PERTINENT SPECS

- Sander comes in hand-held and pole-mounted styles.
- Usable edges are more than 6" long on each side.
- Hand sander features aluminum backing plate and handle.
- Pole sander fits any 3/4" standard thread pole.
- When mounted, head swivels 360 degrees without tipping or rocking.
- Wing nuts at corners loosen backing plate for quick paper replacement.

EASY TO INSTALL-JUST A FEW HOURS

COMPLETE "ROOF TO CEILING" SKYLIGHT

AFFORDABLE NATURAL SUN LIGHTING SYSTEM

LIGHTS KITCHENS, HALLWAYS, BATHROOMS

SEVEN YEAR WARRANTY

YOUR BEST CHOICE IN NATURAL SUN LIGHT

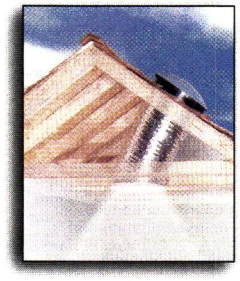
Add the beauty of natural sun light to your home in just two hours with Sun Tunnel Flexi-Tube Tubular skylights.

Sun Tunnel Systems, the nation's leading manufacturer and pioneer of flexible-tube skylights, now offers the largest, brightest, and most versatile tubular skylights on the market today!

The Sun Tunnel Lights up to 400 square-feet of natural sun light in your kitchen, bathroom or hallways. The Sun Tunnel Skylight is the only Skylight sold that flexes around attic obstructions for easy installation.

Available in both 14" and 22" diameter which fits neatly between standard framing. Call today for information on how to light your home with the natural beauty and efficiency of the sun.

The unique Sun Tunnel Flexi-Tube design system offers the flexibility to bend around attic obstructions.



THE SUN TUNNEL®

Call today to order: **(800) 369-3664**

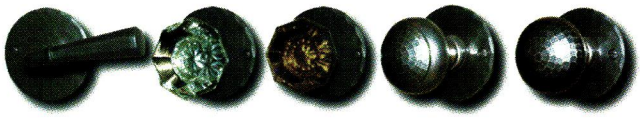
www.suntunnel.com

Circle no. 458

For a color catalog send $6.00 to:

CRAFTSMEN HARDWARE CO., LTD

PO Box 161, Marceline MO 64658
or call 660-376-2481
Mastercard & Visa welcome
www.craftsmenhardware.com



Circle no. 427

The Garden in History *reviewed by Patricia Poore*

Two books on gardening that couldn't be more different: One is "important," historical, largely European, and lavish with color, the other earnest, pragmatic, all-American—and black-and-white. I'll start with a review of the latter; the old-house crowd will probably want to own both.

For decades we've been looking to Rudy and Joy Favretti's books on historic landscape and garden practice to guide us toward style- and period-appropriate gardening. Their groundbreaking *Landscapes and Gardens for Historic Buildings* and *For Every House A Garden* (also b&w), kept in print by old-house owners since the 1970s, spoke to academic and amateur alike. But they are slim volumes, read and absorbed by now and . . . well, historical-sounding. Now we can move on to the next generation. *The New Traditional Garden* is historical but not stuffy; practical, comprehensive, and addressed to real questions we all have. Michael Weishan possesses formidable knowledge, plus good taste and common sense—and with them he wrote a useful, fun-to-read book.

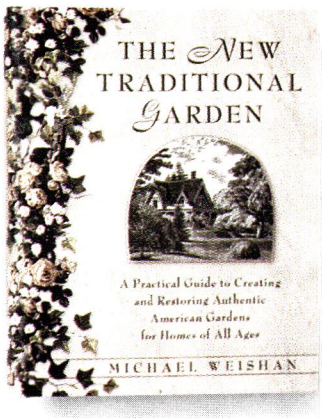
"We need beauty in our lives—whether the man-made beauty of a well designed home and garden; the natural beauty of meadows and woodlands; or the still-wild beauty of untouched nature."

In it, he describes the underlying principles for creating a domestic landscape, respectful of the past, that fits its purpose and its owner's personality. In clear language full of real-world examples, he tackles the basics: how to discover which type and style of garden is right for your house; how to analyze the archaeology of an old garden to re-create some of its past; how to work with front, side, and back yards and sight lines; how to embrace the concept of formality as it pertains to the structure of the garden; how to create colonial-period, Victorian, Arts and Crafts, and cottage gardens. Foundation plantings, flower borders, and period shrubbery are covered; so is the arrangement of appropriate walls and fences, and the layout of graceful walks and drives. There is even a section on mini-orchards and rediscovered fruit varieties.

The presentation of historic houses and gardens is especially successful in this book. Sprinkled thoughout—not as an academic tour but to illustrate specific arguments in the text—are plot plans and historical background on such sites as Monticello.

How does one produce a black-and-white gardening book? you may wonder. With superb organization, pithy advice, and 200 illustrations on salient points. I came to feel that the absence of color was the key to the book: it kept the how-to focus. All those beautiful, inspirational garden books have their place. But they present the finished project, not the means for getting there. Captions often describe flower names instead of

THE GARDEN
A HISTORY IN LANDSCAPE AND ART
BY FILIPPO PIZZONI
Rizzoli, 1999; 263 pages; hardbound, $50
Order through your bookstore.



THE NEW TRADITIONAL GARDEN
A PRACTICAL GUIDE . . . FOR HOMES OF ALL AGES
BY MICHAEL WEISHAN
Ballantine Books, 1999; 337 pages; hardbound, $35
Order through your bookstore.

ROB HUNTLEY/LIGHTSTREAM

Years Ago
ced the availability of
-fashioned solid wood
ectural Details!
ow our catalog overflows with an amazing variety of Victorian & Country trim and other romantic details - so buy direct & save from the largest supplier. Expert shipping and old-fashioned service from folks who care! Order your catalog now.
FREE
224 p. MASTER CATALOG
130 usage photos in full color! Extensive, valuable how-to info! Numerous detailed drawings! And it's entirely FREE!
Our 21st year!
Gable Decorations
were an instant success when we began offering designs to fit any standard roof pitch. Easy ordering is fully explained in our Catalogs.
Over the Kitchen Sink
is a choice location for our custom-length SPANDRELS. They will brighten all your rooms & porches!
Plain Doorways?
Not when you discover our vast array of BRACKETS!
And don't forget our elegant & functional SCREEN/STORM DOORS for lasting first impressions!
Bringing Back Yesterday in Quality & Service!
PORCHES
How to Design, Build & Decorate
Also– our 208 page
Porch Design Book
How to design, build, and decorate your dream porch! Order your copy today. $6.95
Optional Priority Mail $3
VINTAGE WOOD WORKS
Hwy 34 S • PO Box 39 MSC 3840
Quinlan, Texas 75474-0039
(903) 356-2158
www.vintagewoodworks.com
Circle no. 209

principles and rules-of-thumb. And—to me at least—they are daunting. I look at the pictures and think, "My garden will never look like that." With Weishan's book, I found myself thinking, "Oh good—I did that right," and "Oops, never thought of that." Encouraged and corrected, I can take appropriate action.

The author is a man with a mission, though he's subtle about it: a man fed up with ugly development, a man who optimistically predicts that the dark age of gardens (which began during the war years) are over, that a revival of interest in both landscape preservation and personal gardening began ca. 1990 and is gathering steam right now.

Victorian front yard, before and after: the landscape has been restored to its original proportions and intent.

THE OTHER BOOK, MORE colorful and philosophical, has a lofty message: that garden design has historically been influenced by architecture and painting, theater design, poetry and philosophy—and as such is an art form as seen in landscape masterpieces all over the world. *The Garden: A History in Landscape and Art*, by Filippo Pizzoni, presents garden design century by century, beginning in the Middle Ages. You will encounter the grottoes of the 16th century, the 18th century Arcadian ideal, English garden style as it emerged in Russia, Scandinavian naturalism, and Luis Barragan's architectural landscapes in Mexico.

Two different threads run through this volume: the gardens themselves, and also their artistic depiction through time. Illustrations go beyond photographs to illuminated manuscripts, watercolors, engravings, and more. It is as much an art book as a garden book, a provocative departure from the garden genre. The text is clear and educational. It focuses not on design or plants, but on what garden design and the depiction of gardens has to say about a culture, and the evolution of man's relationship with the natural world. It's often fascinating reading.

This is a survey, of course, and in no way a guide. Still, several sections illuminate the impact of historic gardens on the American landscape. The descriptions of Italian and English garden design have application. In addition, one chapter covers the Americas; here you'll find A.J. Downing, the interpreted gardens at Colonial Williamsburg, John Paul Getty's reconstruction of the original garden at Herculaneum in Malibu, the Italian garden at Vizcaya, Beatrix Farrand's work at Dumbarton Oaks, and Thomas Church's California Style. The chapter on the 20th century is eerily historic.

Both of these garden books, I've decided, belong in my permanent library. *The Garden: A History* now shares a shelf with books about famous painters and architects. Michael Weishan's book *The New Traditional Garden*, already dog-eared, currently resides not far from the kitchen table. I'm taking notes.

MICHAEL WEISHAN, *host of public radio's* The Cultivated Gardener *and a contributor to* Old-House Journal, *also publishes the quarterly* Traditional Gardening *for those interested in historical gardens and heirloom plants. $24 per year; preview and subscribe at www.traditionalgardening.com*

HARTFORD CONSERVATORIES

The Original, Hardwood Conservatory.

Elegant

The graceful Victorian (photo), the contemporary Windsor or the classic Georgian add beauty and charm to any style home.

Versatile

Perfect for entertaining or just sit back and relax! Our numerous design options fit your life-style needs - breakfast nook, family room, dining room or den, bedroom or studio, hot tub...

Unique

The quality of our hardwood conservatories and the affordability of our price cannot be matched.

Do-It-Yourself Kits Available.

DEALERS WANTED

HARTFORD CONSERVATORIES, INC.®

Circle no. 279

For a free brochure call 1-800-963-8700 or visit our WEB SITE http://www.hartford-con.com

CUSTOM LETTERED HISTORIC PLAQUES

- Cast bronze or aluminum
- All sizes from medallion to road signs
- Graphics and logos
- Discounts to Historical Societies
- Time Capsules
- Custom wording from $78
- National Register plaques from $35

Rush service available • Satisfaction Guaranteed

FREE BROCHURE
Call: 800-874-7848
Fax: 703-758-2574
Erie e-mail:
erielc@aol.com

Visit our Internet site at
http://www.erielandmark.com

ERIE LANDMARK COMPANY
14110 Sullyfield Circle, Suite 100
Chantilly, VA 20151-1681

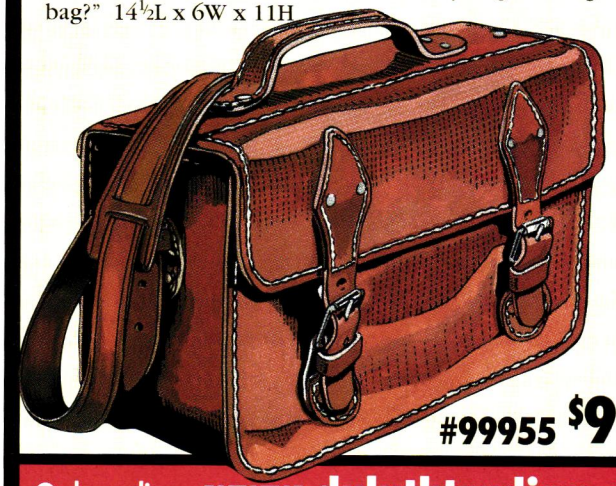
Circle no. 149

CZECH MATE.

Czech Plumber's Bag™

You say you want a revolution.

Direct from the Czech republic, we offer you the traditional plumbers bag. Luggage-like and roomy, yet perfect for books, legal papers, camera equipment or laptops. And yes, you can also throw in wrenchs, pliers, clamps or saws. Get ready for the inevitable—"Where did you get that great bag?" 14½L x 6W x 11H



#99955 $99.99

Order online: **www.duluthtrading.com**
OHJ0500 Free catalog: **1-800-505-8888**

Circle no. 92

Circle no. 78

Architectural Grille

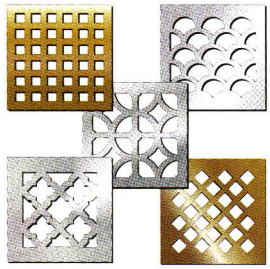
Custom Designed Fabricated & Finished

- Perforated Grilles
- Bar Grilles
- Curved Grilles
- Custom Gratings & Logos with Waterjet

STOCK SIZES AVAILABLE

Materials : Aluminum, Brass, Bronze, Steel and Stainless Steel

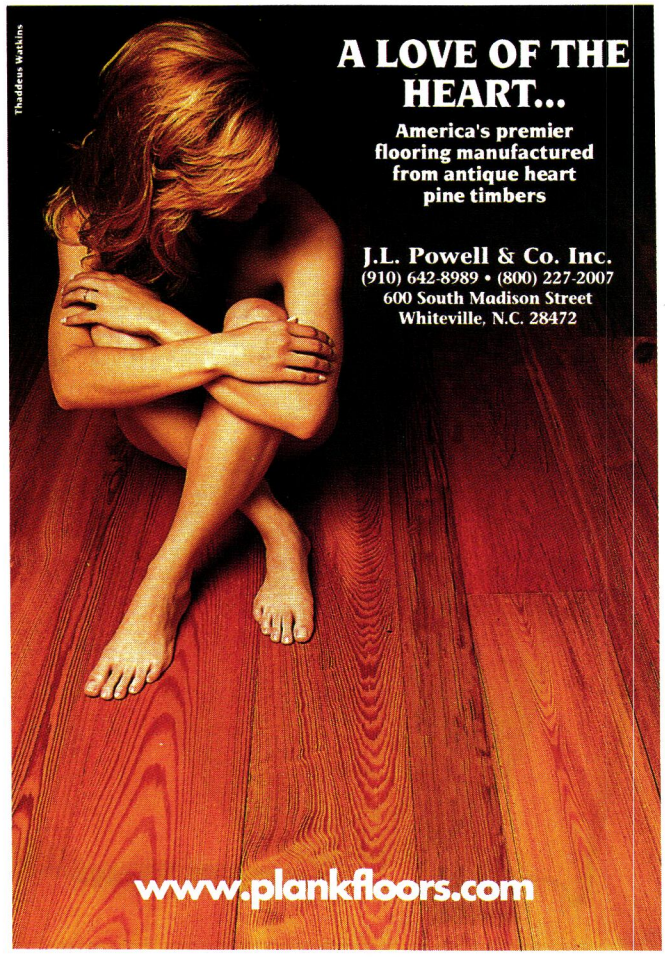
Finishes : Mirror Polish, Satin, Statuary Bronze, Primed, Anodized Colors and Baked Enamel Colors



Call for FREE Catalog!!

Division of Giumenta Corporation
77 14th Street, Brooklyn, New York 11215
Tel: 718-832-1200 / Fax: 718-832-1390 / 1-800-387-6267 (outside NY only)
Web: www.archgrille.com / E-Mail : ag@archgrille.com

Circle no. 76



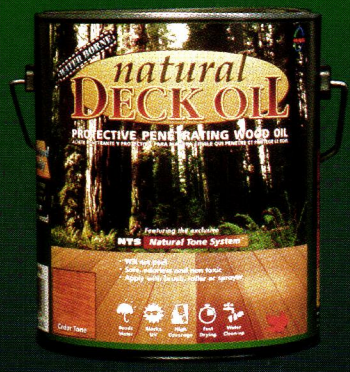
Circle no. 169

The One Day Deck™

START & FINISH YOUR PROJECT THE SAME DAY!

Restore or Prepare with the appropriate Bio-Wash® Product...

Protect the same day with Wet-wood Friendly™ Natural Deck Oil™



Enjoy!

manufacturing products our children can live with®

BIO-WASH

www.biowash.com
1-800-663-9274

Circle no. 449

TO ARMS, TO ARMS, TO ARMS!

VOLUNTEERS

WANTED
TO VISIT THE STORIED STREETS OF HISTORIC CORINTH, MISSISSIPPI

Revel in the architectural splendor of Queen Anne, Victorian and Antebellum-style bed and breakfasts. Find in Corinth treelined boulevards, unique shopping, tasty restaurants, and excellent area attractions.

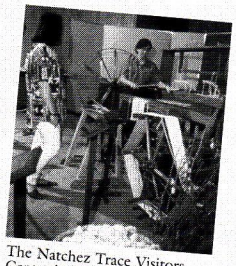
Call for complete B & B / Lodging Details.

800-748-9048

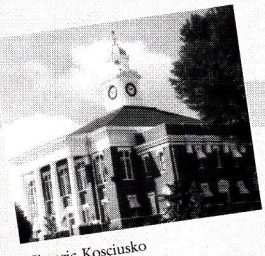
CORINTH AREA TOURISM PROMOTION COUNCIL
P.O. BOX 1089, CORINTH, MS 38835-1089
www.corinth.net

For statewide travel information call 1-800-WARMEST
The South's Warmest Welcome MISSISSIPPI

Natchez Trace Parkway



The Natchez Trace Visitors Center in Tupelo



Historic Kosciusko

Ridgeland is the home of the Natchez Trace Crafts Center

Explore the Natchez Trace... *Discover* America!

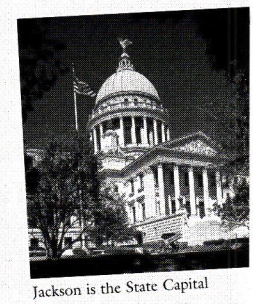
A Unique Mississippi Adventure!

From Tupelo to Natchez, this historic route offers travelers an unhurried view of some of Mississippi's most beautiful terrain. A colorful panorama of forests, farmlands, cypress swamps, and open prairie preserve important examples of our nation's natural and cultural heritage.

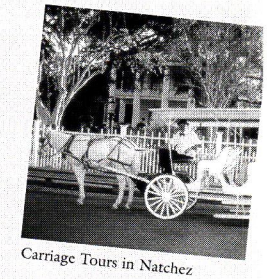
The 429-mile Parkway, which links Nashville with Natchez, is one of America's most famous frontier trails, with its history vividly detailed for modern day explorers through numerous exhibits and displays. In addition, there are hiking trails, self-guided trails, picnic areas and water recreation facilities. As you travel the Trace, you'll see wild turkey at almost every turn, and white-tailed deer are so numerous, you may have to give them the right-of-way.

As a national scenic byway and an All American Road, the Trace is a unique experience for travelers looking for a sense of history and a sense of place. Along each side of the Parkway are communities with comfortable places to stay, excellent places to eat and lots to see and do. Travel itineraries full of fun and adventure for everyone in the family are as close as the phone.

Call Tupelo, Kosciusko, Ridgeland, Jackson or Natchez today and start planning your Mississippi adventure.



Jackson is the State Capital



Carriage Tours in Natchez

The South's Warmest Welcome MISSISSIPPI
For statewide travel information Call 1-800-WARMEST

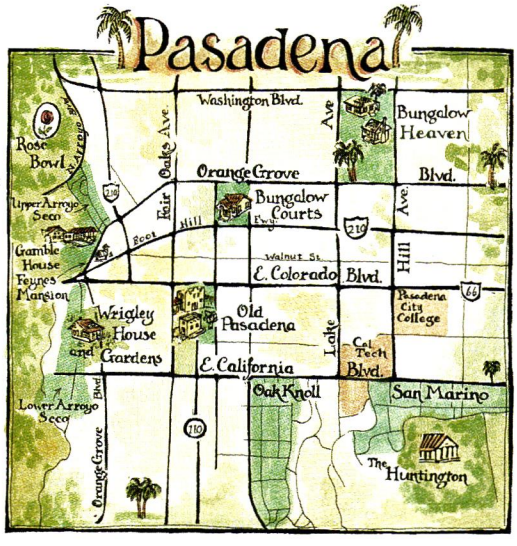
For complete travel information contact the organizations listed below:

TUPELO	KOSCIUSKO	RIDGELAND	JACKSON	NATCHEZ
Convention & Visitors Bureau	Tourist Promotion Council	Tourism Commission	Convention & Visitors Bureau	Convention & Visitors Bureau
P.O. Drawer 47	P.O. Box 696	P.O. Drawer 2358	921 N. President St.	640 South Canal, Box C
Tupelo, MS 38802	Kosciusko, MS 39090	Ridgeland, MS 39158	Jackson, MS 39202	Natchez, MS 39120
1-800-533-0611	1-662-289-2981	1-800-468-6078	1-800-354-7695	1-800-647-6724
www.tupelo.net	www.kosciuskotourism.com	www.visitridgeland.org	www.visitjackson.com	www.natchez.ms.us

Bungalow Heaven and Beyond

THIS IS AN EXPOSÉ of sorts—no, not the mystery type that writer Raymond Chandler penned when he made Pasadena the setting in *The High Window*, but rather, an aficionado's guide to the epicenter of all things Arts & Crafts in southern California. After all, this is where Ernest Batchelder molded his famous art tiles, and where Greene & Greene built their ultimate bungalows. The Gamble, Blacker, and Duncan-Irwin Houses are all here in Pasadena, as is Charles Greene's own Oakholme.

In spite of its modest size (134,824 residents), Pasadena is Big League. Beyond being the home of the famed Rose Bowl and its annual parade, Pasadena also enjoys a reputation as keeper of the flame for much of Southern California's cultural and architectural heritage. That said, a visit to the city requires a certain organizational discipline apart from the *mañana* attitude practiced elsewhere in California. In Pasadena, advance reservations are a way of life, whether you need hotel rooms, meals, tickets to a show at the Pasadena Playhouse, or simply want to go on a house tour. That's not to say the locals aren't spontaneous; it's just that so much of what Pasadena has to offer is popular far beyond the town's borders.

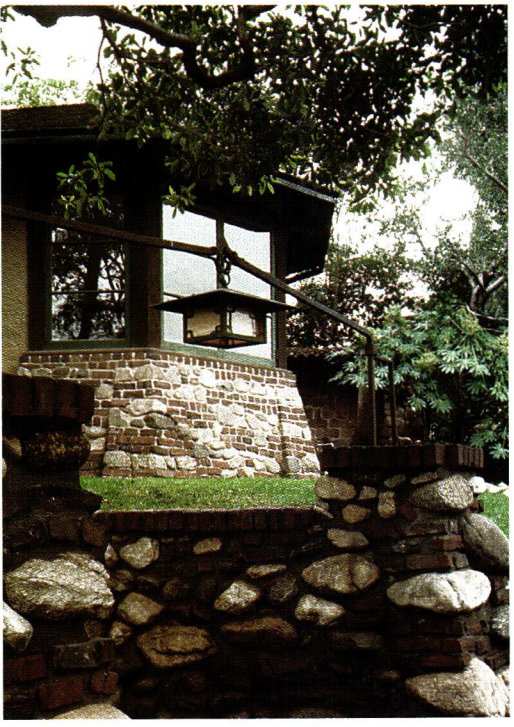


A visit to Pasadena requires a certain organizational discipline that's apart from the mañana *attitude elsewhere in California.*

BY THOMAS SHESS

No longer a sleepy suburb of LA nestled among orange groves, Pasadena is a destination in its own right. Its collection of "ultimate bungalows" is world-class. Above: The Renaissance Revival-style Pasadena City Hall and Public Library complex is arguably the crowning glory of this small city full of architectural wonders.

ROBERT HOLMES/CORBIS
BARBARA EMMONS (MAP)



Clockwise from top: The Duncan-Irwin House is considered a Greene & Greene masterpiece, even though the original house wasn't designed by the two brothers. The annual Rose Bowl Parade is a Pasadena tradition. A strong Japanese influence is evident in the Austin House, built in the Lower Arroyo Seco in 1909. (Note the Elizabethan diamond-paned windows.) Charles Greene kept enlarging and embellishing his home in Pasadena, begun in 1901, until he moved to Carmel in 1916.

Speaking of house tours, Pasadena has more of these than writer Raymond Chandler had mystery plots. Seemingly, there's a significant tour every month, with the dates, times, and featured houses in constant flux. That's part of the charm. To keep track, contact Pasadena Heritage (626-441-6333) or the Pasadena Office of Historic Preservation and Design Section (175 N. Garfield, Room 111, 626-744-4228). Two major events are the Spring Home Tour, held in March, and Craftsman Weekend, held this year in October. Pasadena Heritage also sponsors a walking tour every second Saturday at 9 a.m. Tickets are only $5, but if you don't make reservations in advance (626-441-6333), remember you were warned.

▪ **OLD PASADENA** Pasadena did things right in the early 1990s when the city's mamas and papas preserved the original merchant quarter along West Colorado Boulevard between Pasadena Avenue and Arroyo Parkway. There are enough antique shops on South Fair Oaks Street alone to sate an Arts & Crafts lover for a weekend. Because traffic can be absurd, do yourself a favor: call a taxi or hop on the free ARTS bus.

▪ **UPPER ARROYO SECO** North and west of Interstate 210—along the dry bed of what was once the Los Angeles River—is an extraordinary enclave of Arts & Crafts architecture. Although architectural icons Henry and Charles Greene designed half a dozen houses in the Upper Arroyo Seco, the brothers' crowning achievement is undoubtedly the Gamble House, built in 1908 for a scion of the Proctor and Gamble empire. Now a house museum (626-793-3334), it encompasses an entire block on Westmoreland Place. Also in the neighborhood is La Miniatura, a privately owned, 1923 Frank Lloyd Wright design on Prospect Crescent, and the Beaux Arts-style Fenyes Mansion, built about 1910 and now the home of the Pasadena Historical Museum (470 W. Walnut St., 626-577-1660).

ALEXANDER VERTIKOFF/*GREENE & GREENE MASTERWORKS* (TOP, LEFT CENTER)
PASADENA CONVENTION & VISITORS BUREAU
DOUG KEISTER (BOTTOM)

Experience the Olde Century Colors Difference

Acrylic Latex or Oil

Woodtone Stain in gel and clear gel varnish.

Simulated milk-paint

Notice: Due to variations in lithographic publishing, colors as represented, may vary slightly from actual product.

Rich colors thoughtfully selected for the careful restoration of historic architecture, furniture and craft projects. Literature at $5.00 available through:

Olde Century Colors, Inc.
54445 Rose Road
South Bend, IN 46628
Phone: 219-234-6728
Toll Free: 800-222-3092
Fax: 219-234-1138

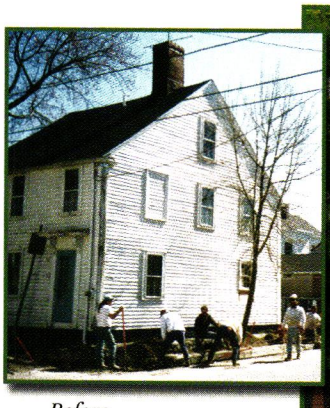
EXCLUSIVE DISTRIBUTORS:

■ *U.S. East Coast*
Charleston House Distributing
Wellsboro, PA 16901
570-724-4217
Toll Free 877-724-4217
Fax 570-724-8028

■ *Canada*
Country At Heart Inc.
519-664-1440
Toll Free 800-725-9971
Fax 519-664-1071

Keep the charm alive and recapture the glow of the past with the quality and selection of the present – clearly Olde Century Colors

E-mail: barb@oldecenturycolors.com
Visit our web site:
www.oldecenturycolors.com



Before

After

Photos courtesy of Liz Courtney

Circle no. 186

The Arts & Crafts influence percolates through a large Foursquare (top left) and a half-timbered Tudor (below left). Top right: One of Pasadena's bungalow courts. Inset: A signpost on the way to Bungalow Heaven.

Historic Lodging PASADENA

For additional lodging and information, contact the Pasadena Convention & Visitors Bureau, 171 S. Los Robles Ave., (626) 795-9311, www.pasadenacal.com

RITZ-CARLTON HUNTINGTON HOTEL & SPA 1401 Oak Knoll St., (626) 568-3900. Built in 1906, this 387-room glamour spot is unmatched on the West Coast. The original wing is a visual cousin of the Raffles Hotel in Singapore.

THE PASADENA HOTEL BED & BREAKFAST 76 N. Fair Oaks Ave., (800) 653-8886. One of the oldest hotels in Old Pasadena, this 12-room bed & breakfast is done in Edwardian decor. It's close to shops and the entirely cool but noisy late night restaurants along Colorado Boulevard.

BISSELL HOUSE BED & BREAKFAST 201 Orange Grove Ave., (626) 441-3535. Surrounded by tall hedges amid the mansions of Millionaires' Row, this antique-filled, 1887 Victorian mansion was once the home of vacuum-cleaner heiress Anna Bissell McCay.

▪ **LOWER ARROYO SECO** South of the Ventura Freeway is the Lower Arroyo Seco, the neighborhood where Ernest Batchelder chose to build his house (now privately owned) in 1909. To the west is Highland Park and the historic Garvanza neighborhood. To the east is Millionaires' Row, a promenade of late 19th- and early 20th-century homes along South Orange Grove Boulevard. Don't miss the Italian Renaissance-style Wrigley Mansion (391 S. Orange Grove Blvd., 626-449-4100, call ahead for tour times). Completed in 1914, it's now the headquarters for the Tournament of Roses Association.

▪ **BUNGALOW HEAVEN** This 29-square-block landmark district is Bungalow Central in America's most famous bungalow community. As you would expect, virtually every house in the neighborhood between Washington and Orange Grove Boulevards is a bungalow.

▪ **BUNGALOW COURTS** Pasadena has a huge selection of historically designated California bungalow courts. You'll find many of these in the colorful South Marengo Historic District. The most famous is probably Bowen Court (North Oakland Avenue at Villa Street), enclosed with a "peanut brittle" (river rock and clinker brick) wall.

▪ **OAK KNOLL** Originally platted in the 1880s, this East Pasadena neighborhood didn't begin to develop until after 1905, when a trio of developers (including Henry Huntington) revived the Frederick Law Olmsted-inspired plans. Imposing mansions, including the privately owned Blacker and Culbertson Houses on Hillcrest Avenue, were built along curvilinear streets that follow the canyon rims.

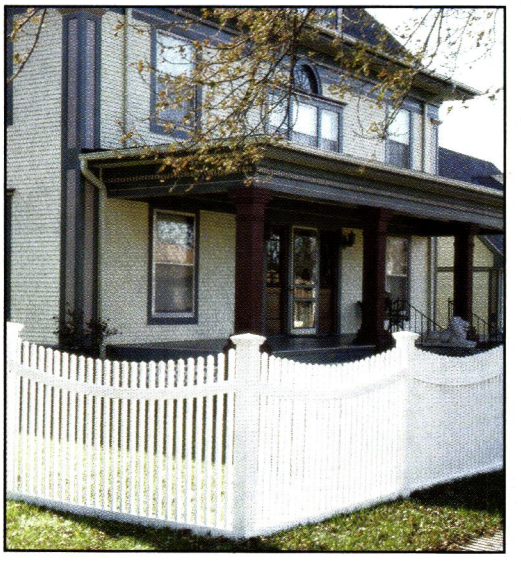
▪ **SAN MARINO** Technically a separate town, San Marino was once part of a 550-acre spread owned by railroad tycoon and land baron Henry E. Huntington. In 1910, Huntington built an impressive Beaux Arts mansion here, which he filled with an extensive art collection and a 4 million-volume library (now the Huntington Library and Botanical Gardens, 1151 Oxford Road, 626-405-2100).

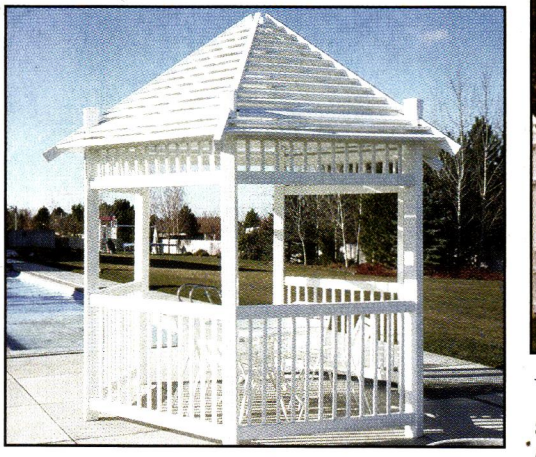
THOMAS SHESS *lives in San Diego's historic North Park and edits* San Diego Home/Garden Lifestyles Magazine.

AMY DANFORTH STOVER (TOP LEFT)
DOUG KEISTER

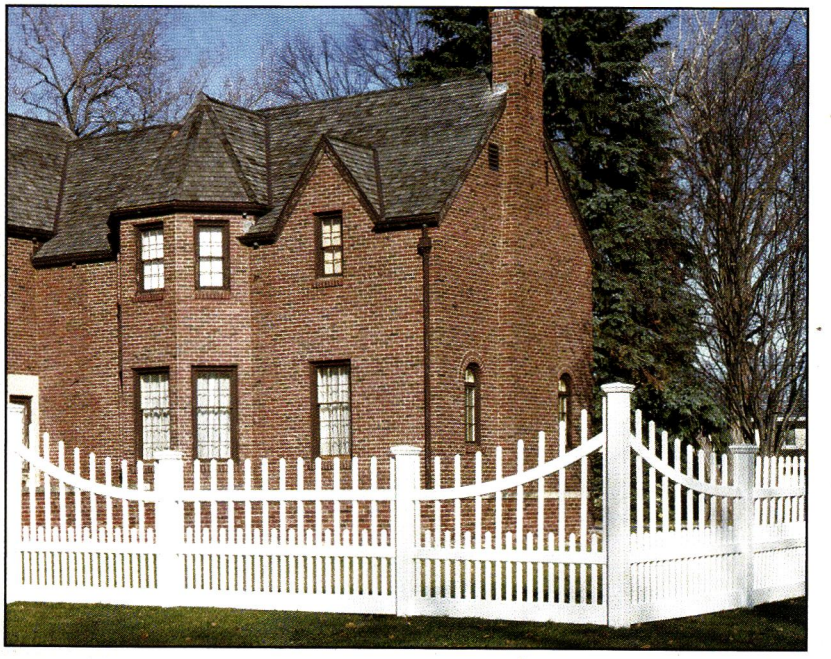
Traditional Style Without Traditional Maintenance

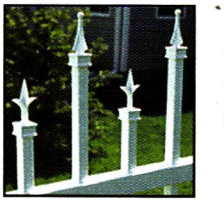
Vinyl Picket, Ornamental & Classic Manor™ Fence • Deck & Handrail • Pergolas • Gazebos

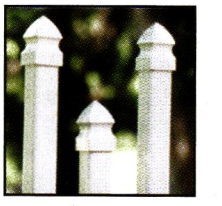




Whether your architectural style is Victorian, Queen Ann, Cape Cod or Colonial, licensed Kroy fabricators can manufacture a custom vinyl fence, porch, gazebo or pergola to compliment your buildings.







Kroy

Building Products, Inc.

(800)933-KROY

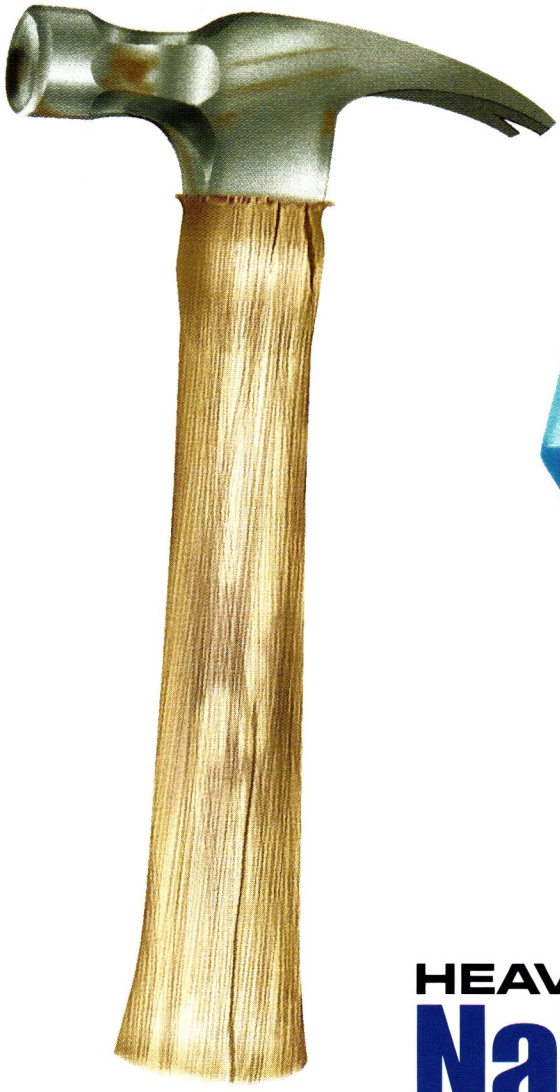
P.O. Box 636
York, Nebraska 68467
Fax: (888)BUY-KROY
www.kroybp.com

Circle no. 314

ARROW® ELECTRO-MATIC

New!

Prototype



Finished Product

HEAVY DUTY ET100™

Nail Master™

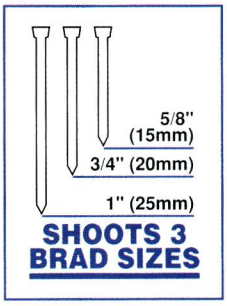
ELECTRIC BRAD GUN

Grab hold of the all-new ARROW ET100™ and experience the beauty of **ergonomically designed** comfort. Its **non-slip cushioned grip** and superb balance assures effortless work, even during long jobs.

In addition to performing routine nailing jobs, this **powerful 10 amp** brad nailer is **specially angled** to handle difficult corner, edging and framing jobs. No scratched or damaged surfaces.

The ET100™ provides nail driving muscle without the burden of an air compressor. **It shoots 3 different size brads.**

Solid state circuitry, a hardened **carbon steel delivery system** for **jam-proof performance**, and both **trigger and surface contact safety locks** combine to offer increased years of safe, accurate, trouble-free service.



The ET100™ is available wherever fine tools are sold.

ARROW® Celebrating our 70th Anniversary

Arrow Fastener Co., Inc., 271 Mayhill Street, Saddle Brook, New Jersey 07663
Canada: Jardel Distributors, Inc., 6505 Metropolitan Blvd. East, Montreal, Quebec H1P 1X9
United Kingdom: Arrow Fastener (U.K.) Ltd., 14 Barclay Road, Croydon, Surrey CR0 1JN
www.arrowfastener.com

© 1999 Arrow Fastener Company, Inc.

Baths From The Past Collection

Creative custom design solutions for the bath & kitchen

BUY DIRECT FROM THE MANUFACTURER AND SAVE!

Special Pricing on

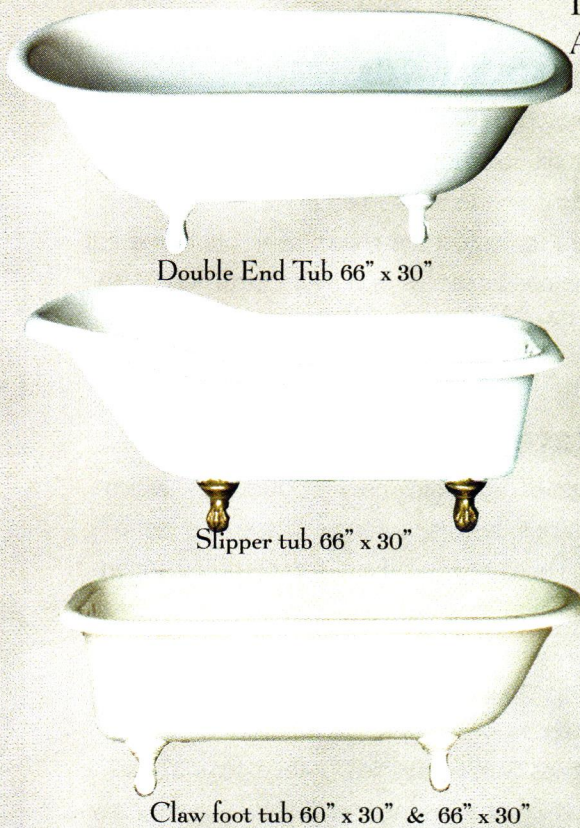
Bathtubs shown in this ad $650 to $850 (fiberglass)

Many More Great Deals and Designs !

All Brass Heavy Duty Shower Systems
CREATE YOUR OWN!

JT 17 JT 171 JT 3

Comfortable Oversize Claw Foot,
Double End Tubs and Skirt Tubs

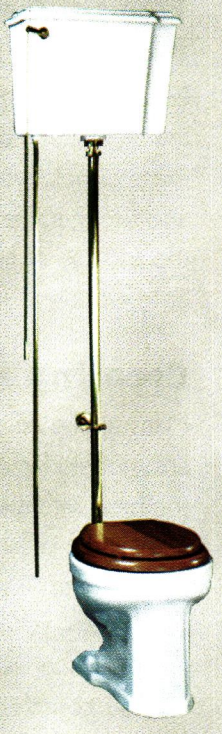


Double End Tub 66" x 30"

Slipper tub 66" x 30"

Claw foot tub 60" x 30" & 66" x 30"

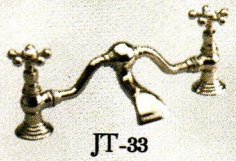
Toilet/Tank Systems to Give
Any Bath an Antique Look



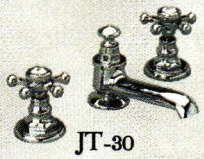
2-412

Classic Designs Faucets, choice of handle & trim. Made to size for old & new marble tops.

V-166

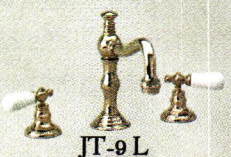


JT-33

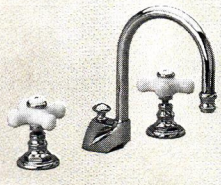


JT-30

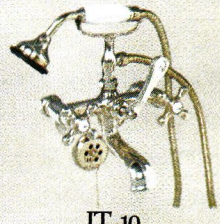
JT-14 B



JT-9 L



JT-31 X



JT-10

JP-W 199 K

JP-194 K G L P

To order our FREE 52-page color catalog and for more information call

1-800-697-3871 or fax 1-781-871-8533

Baths From The Past .83 East Water street,Rockland,Ma 02370

Circle no. 259

New Appliances for Old Homes

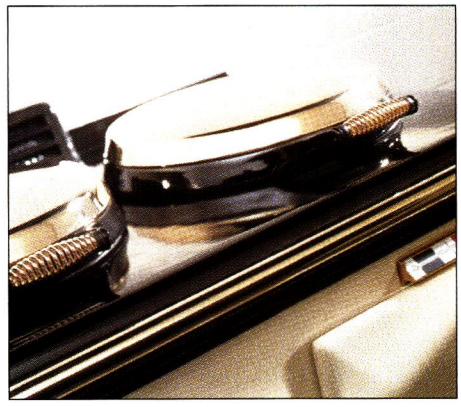
The Best of Both Worlds

This is a time of tear-down construction where many homeowners are destroying beautiful old homes to have their builder create the biggest and best thing on the block. Yet, there is hope for those people who want to protect the charm of an old home but also desire some of the conveniences of new construction. With the addition of new appliances it is possible to have the best of both worlds.

KitchenAid Architect Series

Creating a State-of-the-Art Kitchen

Many appliance companies are adding new product lines, which are modeled after previous designs, making it possible to blend the new with the old. These new products also come equipped with all the latest features creating a state-of-the art kitchen for any homeowner. Ranges are now available with gas-flame broiler technology, self-cleaning capabilities, wok attachments, griddles, and touch control panels. New refrigerators are also available in popular commercial styles with full stainless steel exteriors, and many are flush-fitting which enables them to blend easily into any kitchen design. Perhaps the biggest advance in appliance technology has been with dishwashers. The latest versions have the ability to hold fine china and still clean thoroughly with triple spray systems. Most companies are also offering extremely quiet units.

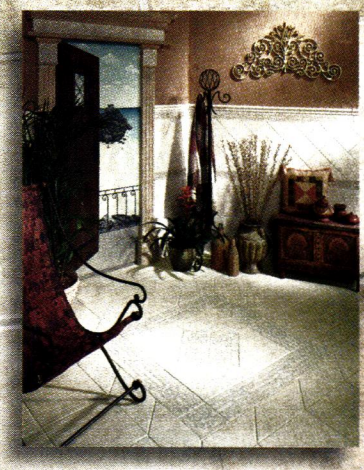


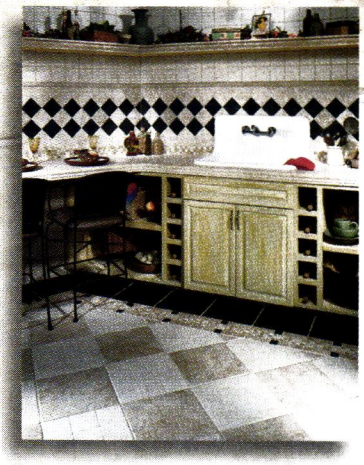
AGA Cookers

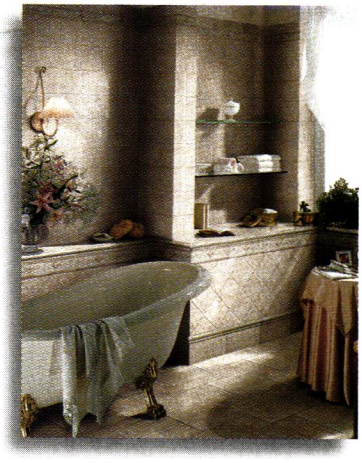
Homeowners Benefit From Latest Technology

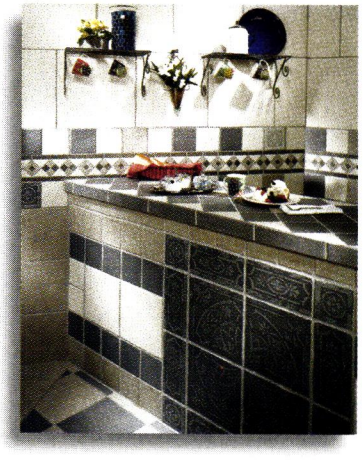
Products such as these have the potential to change the functionality of a home without altering the look and feel. Cooking and cleaning do not have to be a chore if homeowners take advantage of the latest offerings from leading appliance manufacturers all over the world. For more ideas on how to update your home with new appliances, look through the following special section.

KitchenAid Architect Series









Explore the World

WITH FLORIDA TILE

Florida Tile introduces five new products reminiscent of some of the world's most incredible places. Architectural wonders, primitive artistry and rustic terrain of far-away regions inspired these extraordinary tiles. Unique textures and colors are prominent in Ankara, Tulum and Templi, our latest floor and wall Portfolio Collections. Meteor porcelain and Ural glazed floor tile are also new and truly magnificent. Explore them all at a Florida Tile dealer near you.

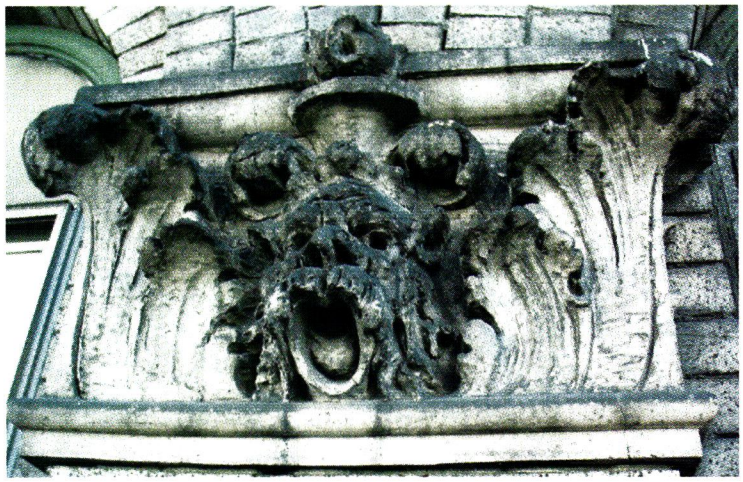
florida tile®

Circle no. 444

1 800 FLA TILE | WWW.FLTILE.COM

Olde Good Things

The Place of the Architecturologist



Great for a fountain - Terracotta capital from 92nd St, NY, NY

Stained glass skylight

NEW YORK LOCATIONS:

124 West 24th Street
New York, NY 10011
(212) 989-8401

400 Atlantic Avenue
Brooklyn, NY 11217
(718) 935-9742

NATIONAL WAREHOUSE:

400 Gilligan St
Scranton, PA 18508
(570) 341-7668

Open daily

SPECIALIZING IN THE HARD TO FIND:

Over 20,000 doorknobs in stock
Vintage plumbing supplies
Claw foot tubs & pedestal sinks

*Check us out at our **red hot** website @*
www.oldegoodthings.com

Or email to:
info@oldegoodthings.com

Call for more directions and information.

Leaders in Architectural salvage from historic buildings in NYC

Come to Him all you who are heavy laden...His yoke is easy and His burden is light...Matt 11:28-30

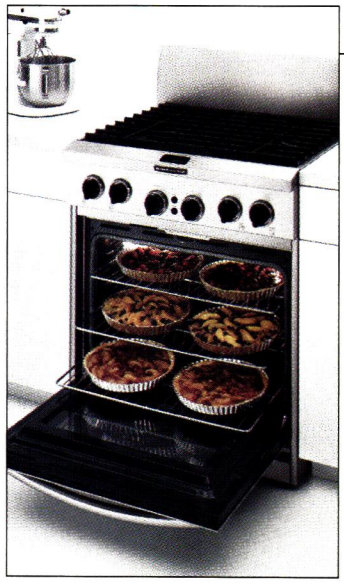
Circle no. 384

AGA COOKERS

Renowned throughout the world, the beautiful, cast-iron British AGA Cooker is the only radiant heat multi-function stove available. Choose from twelve gorgeous colors of durable enamel and three sizes. Cooking on a self-cleaning AGA simplifies your life and cooking. And radiant heat enhances flavors so much that one taste at a cooking demonstration has sold many AGAs. For more information or to locate your local dealer, call 800-633-9200 or visit www.aga-cookers.com. Circle no. 457

KitchenAid®
FOR THE WAY IT'S MADE.®

Also part of the newly expanded Architect™ Series from KitchenAid is a 27" Crisp Built-In Microwave Convection Oven that combines traditional microwave capabilities with exclusive Crispwave® technology and convection to provide superior results. Call 1-800-422-1230 or visit www.kitchenaid.com for more information. Circle no. 459



KitchenAid®
FOR THE WAY IT'S MADE.®

KitchenAid has expanded its premium Architect™ Series stylish, stainless steel appliances to include a dual fuel range offering performance worthy of professional chefs. This new Pro Line™ range ensures accurate, even temperatures every time, whether cooking for two or for a crowd. Call 1-800-422-1230 or visit www.kitchenaid.com for more information. Circle no.458

OLD-HOUSE JOURNAL

Appliances Special Advertising Section

To request information or brochures from the advertisers in this special section, please fill out this coupon, circle the advertiser number(s), and mail to the address below, or fax to 1-856-488-6188.

Please send me the items circled below. I understand the information will come directly from the advertiser(s).

457 458 459

Name

Address

City State Zip

Cut out coupon and send to: OLD-HOUSE JOURNAL
P.O. Box 99690
Collingswood, NJ 08180-9857

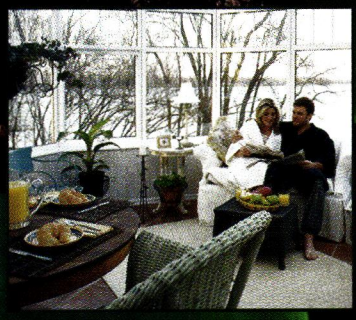
Valid through 7/31/2000

If love makes a house a home,

doesn't it deserve its own room?

Elegant. Livable. Romantic. A Royal Conservatory is the perfect harmony of architectural elegance, functional livability and romance for nearly every home. Ideal for lazy Sundays reading the paper, morning coffee, winter gardening and romantic starlit evenings. It's the place to regroup and unwind while surrounded in a lush outdoor environment... with all the comfort of indoors.

No one understands the subtleties of conservatory design and construction quite like Royal Conservatories. Having designed thousands of unique rooms, they have acquired a knack for creating conservatories that fit their surroundings perfectly, as well as the lifestyles of their owners. As virtually every owner agrees – it's the one room they love to live in.



For a free video on conservatory design and construction, send $5.95 shipping and handling to the address below or call **800-892-4225.**

Visit our online showroom at **www.roycon.com.**

ROYAL
CONSERVATORIES
OF AMERICA, INC.

2767 Highway 55 • Eagan, MN 55121

Circle no. 431

SYSTEMTHREE

Are you put off by the high cost of epoxy restoration products?

We've done something about it!

THE ROT REPAIR KIT

for only $10.00!

You don't even ha/e to take our word for it!

Use these products everywhere you've used the old expensive epoxy rot repair products. Our ten dollar Rot Repair Kit will get you started. It contains Rot Fix (liquid epoxy), Sculpwood (kneadable putty) and a price list, of course.

Phone **800-333-5514** and use your credit card!

Circle no. 313

Legendary Antique Heart Pine flooring in dozens of varieties. Extra long, thick and wide, raised grain beauties in many exciting colors, grain patterns and easy care finishes. Send $5 for a catalog or call anytime for the finest in authentic antique flooring and superb craftsmanship.

Circle no. 97

HARDWARE PLUS

RESTORATION & RENOVATION HARDWARE

VISIT OUR NEW ON-LINE COMMERCE SITE AT www.oldtyme.com

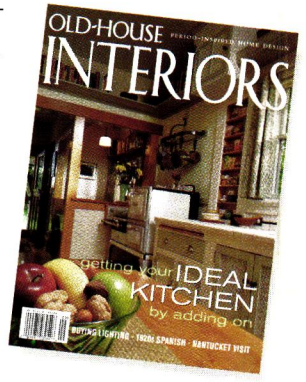
OR CALL 888-OLD-TYME FOR A FREE HARDWARE PLUS CATALOG

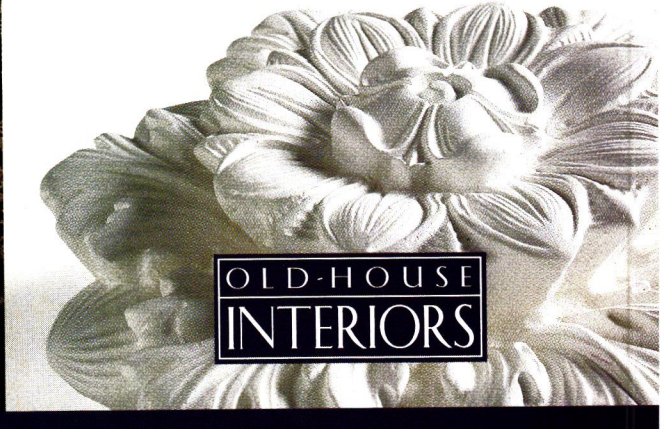
Circle no. 90

YOU ASKED FOR IT: MORE!

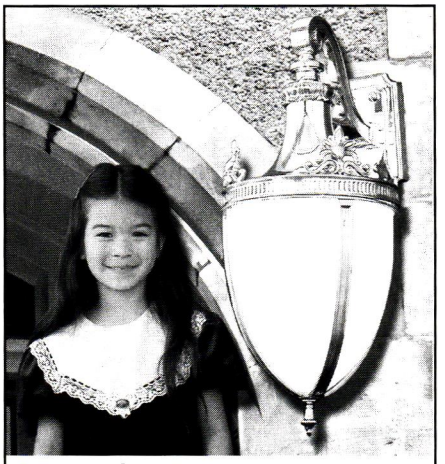
MORE ISSUES, EXPANDED EDITORIAL.

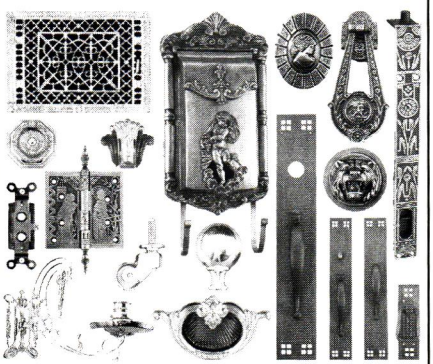
OLD-HOUSE INTERIORS is now a bi-monthly, with more pages and brand new features devoted to great old houses and period-inspired decorating. Lavish photos and poignant stories, authentic reproductions, and decorating know-how are now accompanied by even more helpful advice: source lists, style savvy, hardware and lighting, kitchen design and more. No fads, just a classic, personal approach with an emphasis on quality. Learn to bring out the best in your Federal, Victorian, Bungalow or Ranch! **TO ORDER:** Use the postpaid order cards opposite, or call **800-462-0211** and charge to MC or VISA. **GIFTS:** Your thoughtfulness remembered all year—fill out the gift card opposite or call the number above; we'll even send a card to announce your gift.





Experience the Style and Inspiration of Old-House Interiors.



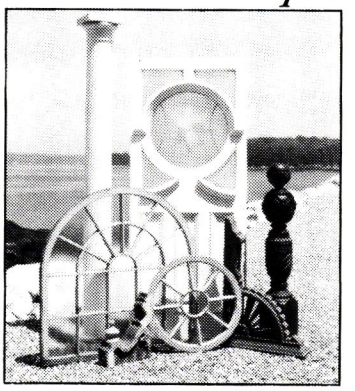


New 80 pg color catalog, #213, available:
250 recreated antique lights; 1,000's pieces of reproduction hardware...Catalog $ 4.00

American Home Supply
191 Lost Lake Lane
Campbell, CA. 95008
Phone: 408-246-1962

Circle no. 116

Architectural Antiques



Premier source for salvage items nationwide.

- Doors, windows, stained glass
- Brass lighting fixtures
- Victorian plumbing fixtures & accessories
- Fireplace mantles and accessories

Visit our picturesque Maine oceanfront location, where Yankee value is still important. Select from thousands of quality architectural items.

Architectural Antiquities
Harborside, ME 04642 (207) 326-4938
Call to order video or to receive free brochure

Circle no. 118

OLDHOUSE JOURNAL
The Original

The original historic home renovation resource. Every issue delivers detailed, accurate how-to information, restoration and renovation products, creative period decorating ideas and imaginative solutions

Call 1.800.234.3797 to start your subscription to OLD-HOUSE JOURNAL.
www.oldhousejournal.com

MADAWASKA DOORS INC.
"ANY SIZE, ANY DESIGN, ANY WOOD, ANY TIME"
Let us build on your imagination...

P.O. BOX 850, BOLTON, ONTARIO, L7E 5T5, CANADA
CANADA AND U.S.A. ORDER DESK TEL: 1-800-263-2358 FAX: 1-800-263-1584
HEAD OFFICE & OVERSEAS ORDER DESK TEL: +1-905-859-4622 FAX: +1-905-859-4654
www.madawaska-doors.com mdi@madawaska-doors.com

Circle no. 310

New & Historical Slate & Clay Tile Roofing

- Historical Slate™
- Salvaged Clay Tile
- Glazed Roofing Tile
- Chimney Pots

The Largest Salvaged Ludowici® Inventory In America!

Most Tile In Stock! We Buy/We Sell

Over a 90% Success Rate In Matching Existing Historical Tiles

THE ROOF TILE AND SLATE CO.

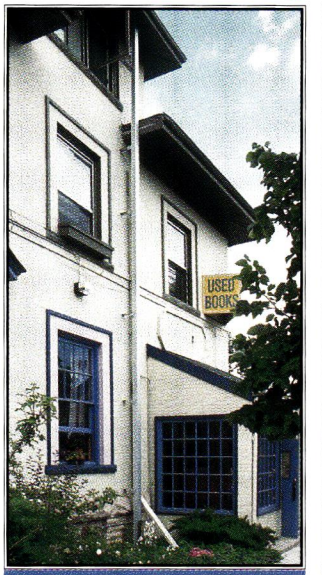
1209 CARROLL • CARROLLTON TEXAS 75006

(800) 446-0220 • FAX (972) 242-1923

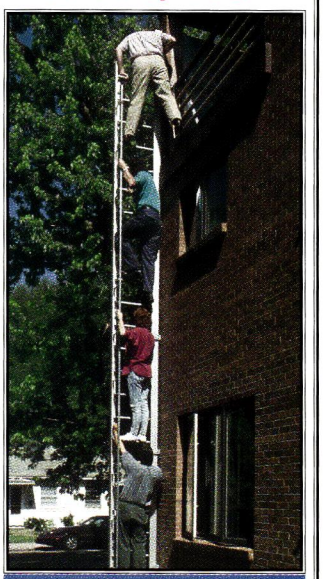
WWW.CLAYTILE.COM

Circle no. 194

JOMY® Safety Products, Inc.



Looks like a drainpipe!

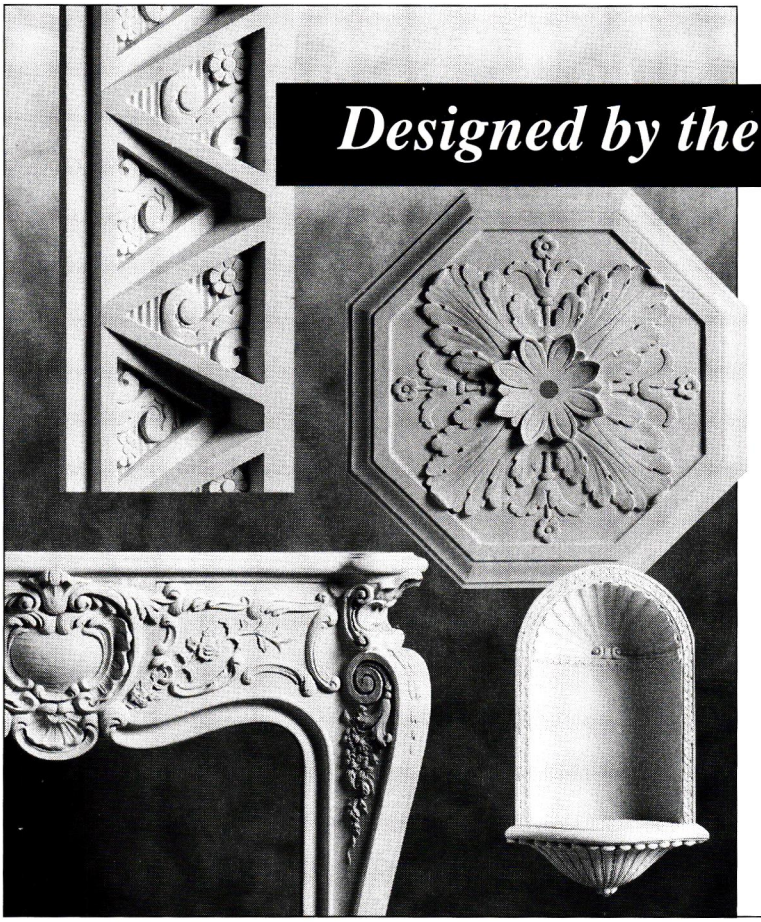


Opens easily!

For burglar–proof egress and escape, JOMY® is the ideal solution for virtually invisible retractable and collapsible ladders, staircases, and balconies of the highest quality, lightest weight, with exceptional strength and durability.

For additional information please contact us at 800-255-2591 or find us at www.jomy.com

Circle no. 358



Designed by the ages. Crafted by hand.

Fischer & Jirouch has been hand-crafting plaster ornaments by the same methods for nearly 100 years. We use only traditional plaster in replicas of our 1,500 designs from a variety of periods. Architects, tradespeople, and do-it-yourselfers rely on our pieces to enhance their exterior and interior projects. We also offer custom reproduction.

Hand-crafted Fischer & Jirouch ornaments are as easy to work with as wood and authentic throughout. *Send for our 144-page catalog ($10 US, $15 Canadian).*

No credit cards.
We ship UPS only (no P.O. boxes)
Canadian orders in U.S. dollars

THE FISCHER & JIROUCH CO.
4821 Superior Ave. • Cleveland, Ohio 44103
Tel. (216) 361-3840 FAX (216) 361-0650

Circle no. 91

THE ONE SOURCE

for all of your RENOVATION & BUILDING needs.

solid brass drawer and door hardware

floor and wall coverings

sinks, tubs, basins

lav sets, kitchen and tub faucets

solid brass lighting

over 2,000 building and renovating essentials

free catalog

1-800-659-0203

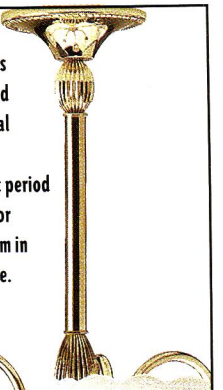
(Mailed third class • First class $2)

Ask for Dept. 2467, or write

RENOVATOR'S

Renovator's Old Mill, Dept. 2467, Millers Falls, MA 01349

Lav Sets and Faucets. Ceramic washerless design surrounded by solid brass.



Solid Brass Formal and Traditional Lighting. Authentic period designs for every room in your home.

Ceiling Medallions, Corner Medallions and Pediments. Add the period look of plaster without the mess or cost.

Authentic Oriental Style Rugs and Runners. Enjoy the look, feel and quality of fine Orientals at a fraction of the cost!

Solid Brass Door and Drawer and Cabinet Hardware. The best and widest selection anywhere, treated with our exclusive RSF no tarnish finish.

FIRST QUALITY ★★★ GUARANTEED ★★★ LOWEST PRICE

Classically styled Cast Iron Tubs. Create a relaxing retreat and pamper yourself in authentic period style.

Pedestal Sinks and Basins. Crafted of grade "A" vitreous china. We've got the look you want!

Circle no. 106

SCHWERD'S

Quality Wood Columns since 1860

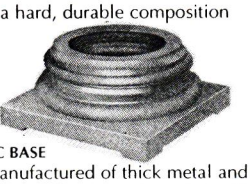
A.F. Schwerd Manufacturing Co. has been producing wood columns and pilasters for over 135 years. The wood is thoroughly seasoned pine for exterior use; additional lumber species available for interior. Production begins with a minimum 2" shaft wall thickness using solid piece lumber (no finger joints) resulting in a quality, durable column. Columns are available in diameters from 4" to 50" and in the length required for your specific installation up to 35'. To assist in your restoration projects, we can manufacture columns to match your existing design. Capitals, shafts, bases and plinths can be purchased separately.

No. 140 Scamozzi

No. 150 Roman Corinthian

No. 142 Greek Ionic

Our ornamental capitals are made of a hard, durable composition suitable to withstand the elements. Additional styles are available.



#130 ATTIC BASE

Our complete aluminum bases are manufactured of thick metal and are recommended for exterior columns for a seamless base that will last a lifetime. The aluminum plinths are ventilated for air circulation through the column shaft. Complete aluminum bases are available in three architecturally-correct styles for even diameter columns from 8" to 30".

Call or write for our free catalog.

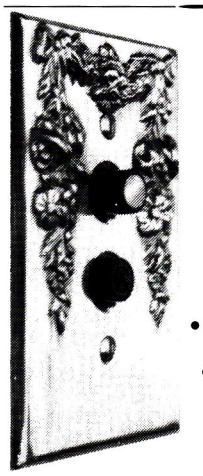
A.F. SCHWERD MANUFACTURING COMPANY

3215 McClure Avenue, Dept. OHJ • Pittsburgh, PA 15212

Telephone: (412) 766-6322 • Fax: (412) 766-2262

Push Button Light Switches

DIMMER & SINGLE & 3-WAY



DECORATIVE & PLAIN SOLID BRASS WALL PLATES

- **MOULDING HOOKS**
- **EDISON BULBS**
- **TASSEL KITS**
- **& MORE**

For Catalog Send $2.00 to:

Classic Accents

13631 Brest St. Box 1181 Dept OH

Brownstown, Twp, MI 48174

(734) 941-8011

e-mail: classic_accents @ ameritech.net

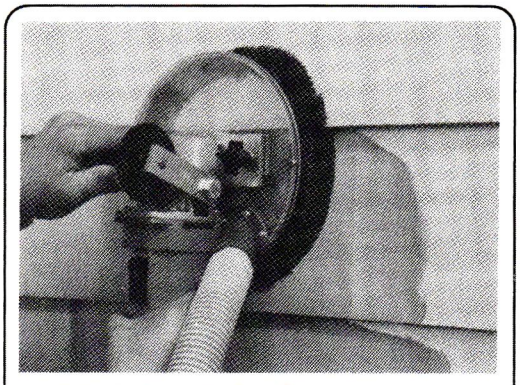
www.classicaccents.net

Circle no. 134

We Can Solve Your Paint Removal Problems!

PAINTSHAVER™

The Most Effective,Efficient and Ecologically Safe Paint Stripping System Available Today for Cracking and Peeling Paint on Shingles and Clapboards

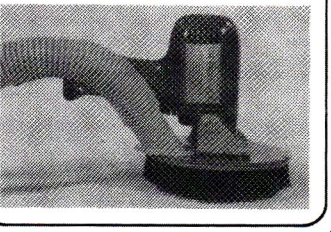


Paint Shaver with Dust Collector Accessory

- *Strips one square foot of paint in 15 seconds,*
- *Retrieves stripped debris into vacuum systems.* ***Can also be used for lead paint removal.,***
- *Eliminates the need for chemicals, sandblasting or heat removal.*

SANDER VAC™

Dust-free sanding for all surfaces indoor and out.



AMERICAN INTERNATIONAL TOOL INDUSTRIES, INC.

129-B Fletcher Ave.

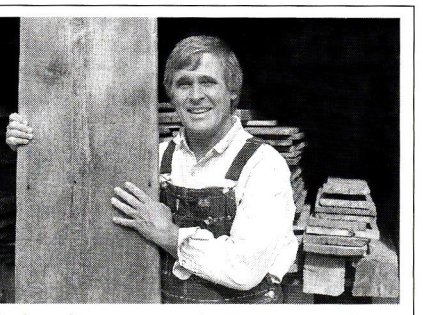
Cranston, Rhode Island 02920

(401) 942-7855

1-800-932-5872

Please visit our website–www.aittool.com

Circle no. 117



Joe Rizzo, Proprietor — Country Road Associates Ltd.

"AUTHENTIC 19th C. BARNWOOD IS MY BUSINESS"

- FLOORING: Chestnut, Pine, Oak & Heart Pine
- Random widths from 3" - 20"
- BARNSIDING: faded red, silver-gray & brown
- HAND-HEWN BEAMS: up to 13" wide, Random Lengths

Large quantities available

Deliveries throughout the USA

COUNTRY ROAD ASSOCIATES, LTD.

Open Tues.-Sat. 10 AM - 4 PM

Sun. & Mon. by appointment 914-677-6041

Fax 914-677-6532 www.countryroadassociates.com

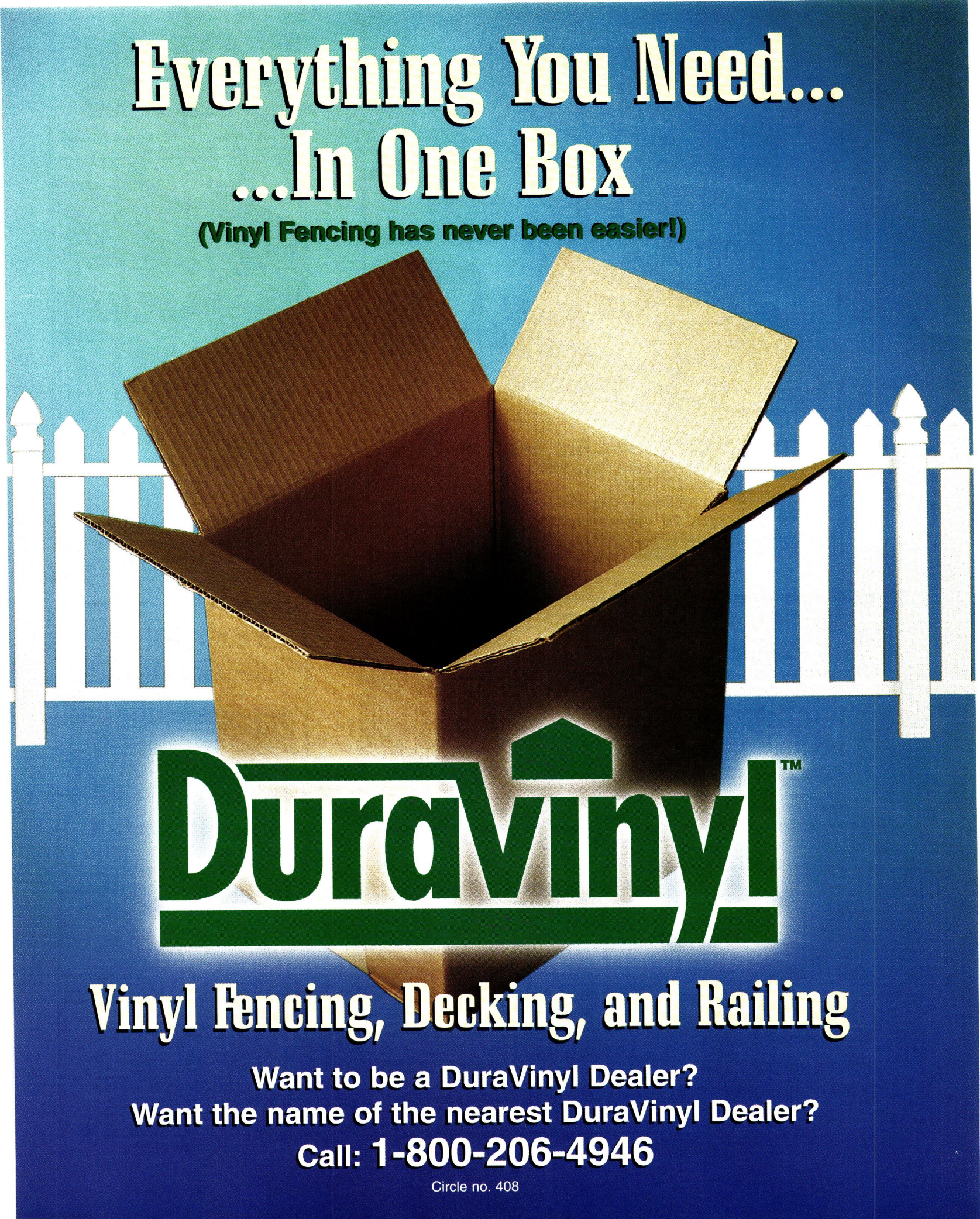
We have moved just around the corner to

63 Front Street, Millbrook, NY

Circle no. 139

Everything You Need... ...In One Box

(Vinyl Fencing has never been easier!)



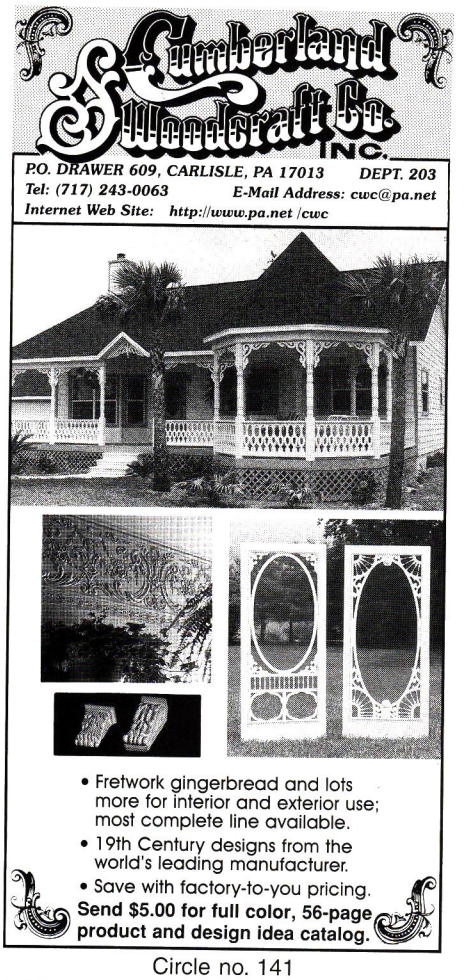
DuraVinyl™

Vinyl Fencing, Decking, and Railing

Want to be a DuraVinyl Dealer?
Want the name of the nearest DuraVinyl Dealer?
Call: 1-800-206-4946

Circle no. 408

Circle no. 108



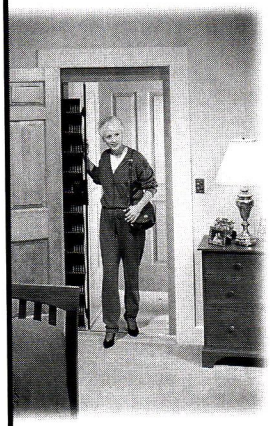
Circle no. 141

Circle no. 120

Circle no. 163

EVEN OLDER HOMES CAN HAVE MODERN CONVENIENCES.

An **Elevette**® fits easily into restorations or renovations. It's convenient yet elegant.



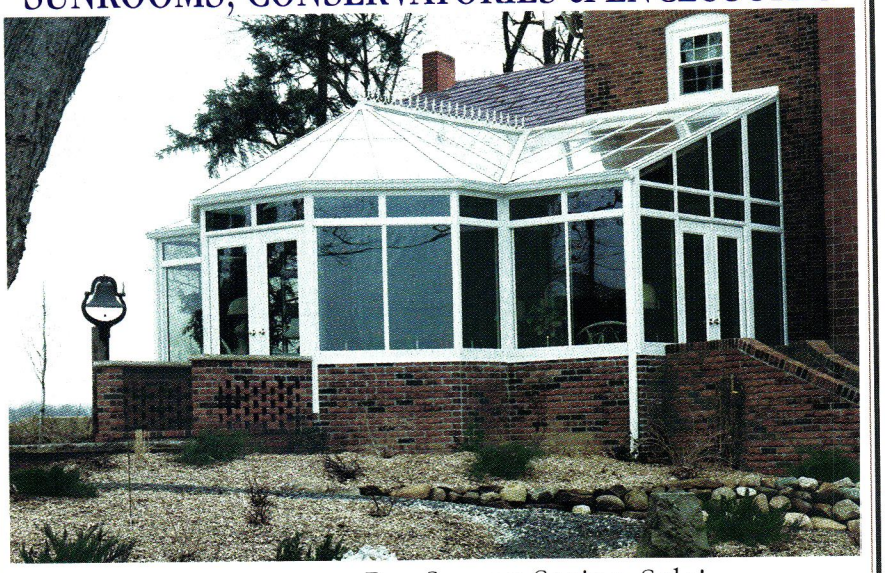
Safe yet sophisticated. Reliable yet refined. So if you're thinking of adding an elevator, don't compromise. Get a custom-built Elevette to complement the unique style of your older home. Tax-deductible when doctor recommended. For more information call **1-800-456-1329**.

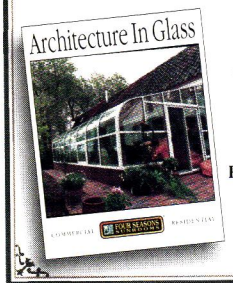
INCLINATOR
COMPANY OF AMERICA®
Dept. 21, PO Box 1557
Harrisburg, PA 17105-1557
E-mail us at **isales@inclinator.com**

Circle no. 234

AMERICA'S LARGEST SUNROOM COMPANY

SUNROOMS, CONSERVATORIES & ENCLOSURES





Pre-Season Spring Sale!

Factory Savings Up To 35%* And More. Limited Time Offer!
Enclose your patio or deck or expand your home with a full scale sunroom addition. In either case a Four Seasons room is fully insulated with exclusive MC Wonderglass™ at prices our competitors charge for single glazing.

Superior Quality...Unexpected Low Price!

Free 32 Page Color Catalog

FOUR SEASONS SUNROOMS®
SUNROOMS · CONSERVATORIES · PATIO ROOMS
PATIO & DECK ENCLOSURES · SKYLIGHTS
Outdoor Living...Indoors™

For Free Catalog And Showroom Locations
Call: 1-800-FOUR-SEASONS
1-800-368-7732 or write:
Four Seasons Sunrooms, Dept. OHJ005
5005 Veterans Hwy., Holbrook, NY 11741
Online- www.four-seasons-sunrooms.com

©2000 Four Seasons Solar Products Corp. *Dealer Franchise Territories Available Please Call: 1-800-521-0179*

Circle no. 154

Birds Take Flight From.. NIXALITE®

Protect your home from pest birds and animals with Nixalite Stainless Steel Needle Strips. With Nixalite, you get the most effective and humane bird control available. Call today!

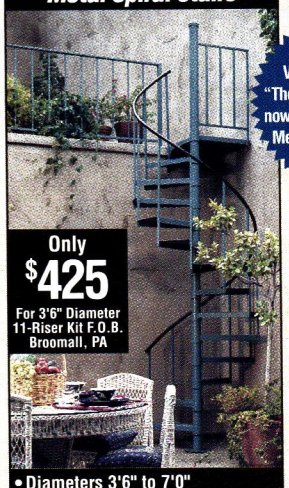
Ph: 800-624-1189
Fax: 800-624-1196
E-mail: birdcontrol@nixalite.com
Web: http://www.nixalite.com

Nixalite of America Inc
1025 16th Avenue OHJ
East Moline, IL. 61244
Ph:309-755-8771 **Fax:**309-755-0077

Circle no. 178

The best quality & value since 1931.

Metal Spiral Stairs



Only **$425** For 3'6" Diameter 11-Riser Kit F.O.B. Broomall, PA

- Diameters 3'6" to 7'0"
- Kits or Custom Welded Units

Oak Spiral Stairs

Installation Video featuring "The Furniture Guys" now included with all Metal & Oak Spiral Stair Kits.

Only **$1575** For 4'0" Diameter 11-Riser Kit F.O.B. Broomall, PA

- Diameters 4'0" to 6'0"
- All Red Oak Construction

Victorian One® Spirals

Only **$3300** For 4'0" Diameter 11-Riser Kit F.O.B. Broomall, PA

- Diameters 4'0" to 6'0"
- Weight Saving Cast Aluminum

All Kits available in any floor-to-floor height and BOCA / UBC code models. *Made in the U.S.A.*

Call for the FREE color Catalog & Price List:
1-800-523-7427 Ext. OHJ-ØØ
or visit our Web Site at www.TheIronShop.com

Showroom / Warehouse Locations:

Broomall, PA	(610) 544-7100	Houston, TX	(713) 789-0648
Ontario, CA	(909) 605-1000	Chicago, IL	(847) 952-9010
Sarasota, FL	(941) 923-1479	Stamford, CT	(203) 325-8466

http://www.TheIronShop.com • e-mail: info@TheIronShop.com

*Please send me the **FREE** color Catalog & Price List:*
Name_____
Address_____
City_____State____Zip_____
Mail to: The Iron Shop, Dept. OHJ-ØØ, Box 547, 400 Reed Rd., Broomall, PA 19008

THE IRON SHOP® The Leading Manufacturer of Spiral Stair Kits™

©1999 THE IRON SHOP

GOOD TIME STOVE CO.

Genuine Antique Stoves

Restored With Love...

...for the warmth of your parlor

& the heart of your kitchen

Timeless Beauty · Superior Efficiency · Expert Restoration

Call 888-282-7506

Brochure & videos available.

stoveblack@goodtimestove.com http://www.goodtimestove.com

Circle no. 160

Distributors of the Famous Brillion Collection

VICTORIAN

Authentic Victorian Reproductions

1850 · RESTORATION WALLPAPER · 1915

COLLECTIBLES, LTD.

Victorian Collectibles Ltd. • 845 E. Glenbrook Rd. • Milwaukee, WI 53217
Phone (414) 352-6971 • FAX (414)352-7290 • 1 800/783-3829

Circle no. 304

Architectural Sheet Metal Ornaments

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

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

Circle no. 402

OLDHOUSE JOURNAL

The original historic home renovation resource.

Every issue delivers detailed, accurate how-to information, restoration and renovation products, creative period decorating ideas and imaginative solutions to difficult projects.

Call 1.800.234.3797

to start your subscription to OLD-HOUSE JOURNAL.

www.oldhousejournal.com

PLASTER REPAIR

THE ORIGINAL

DURHAM'S ROCK HARD WATER PUTTY STICKS, STAYS PUT WILL NOT SHRINK

Use genuine Durham's Rock Hard Water Putty to fill cracks, crevices, joints, and nail holes. You can saw, chisel, polish, color, and mold it too. Sticks and stays put – will not shrink. Only original Durham's offers lasting satisfaction.

Durham's 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, IA 50304

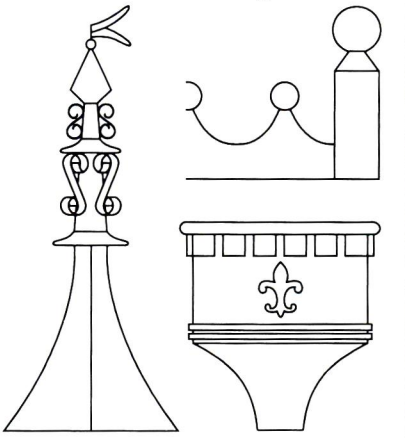
http://www.waterputty.com

Circle no. 147

Handcrafted

Copper Roof Ornaments

- Ridge Cresting
- Weathervanes
- Copper Cornice
- Finials
- Cupolas
- Leader Boxes
- Roof Vents & Plumbing Vent Covers



A unique selection of copper ornaments ready to install or customized to your needs. Catalog $3, refundable with your first order.

VULCAN SUPPLY CORP.

P.O. Box 100 Westford, Vermont 05494

Circle no. 210

OLDHOUSE JOURNAL

The original historic home renovation resource. Every issue delivers detailed, accurate how-to information, restoration and renovation products, creative period decorating ideas and imaginative solutions to difficult projects.

Call 1.800.234.3797

to start your subscription to

OLD-HOUSE JOURNAL

www.oldhousejournal.com

VAN DYKE'S RESTORERS®

SUPPLIES FOR WOODWORKERS AND ANTIQUE RESTORERS

Visit us at www.vandykes.com

Over 8,000 Items

Featuring the industry's most complete selection of:

- Period Furniture Hardware
- Reproduction Furniture Components
- Wood Appliques & Moldings
- Trunk Hardware
- Period Furniture Kits
- Finishing Supplies, Glues, Fasteners, & Much More!

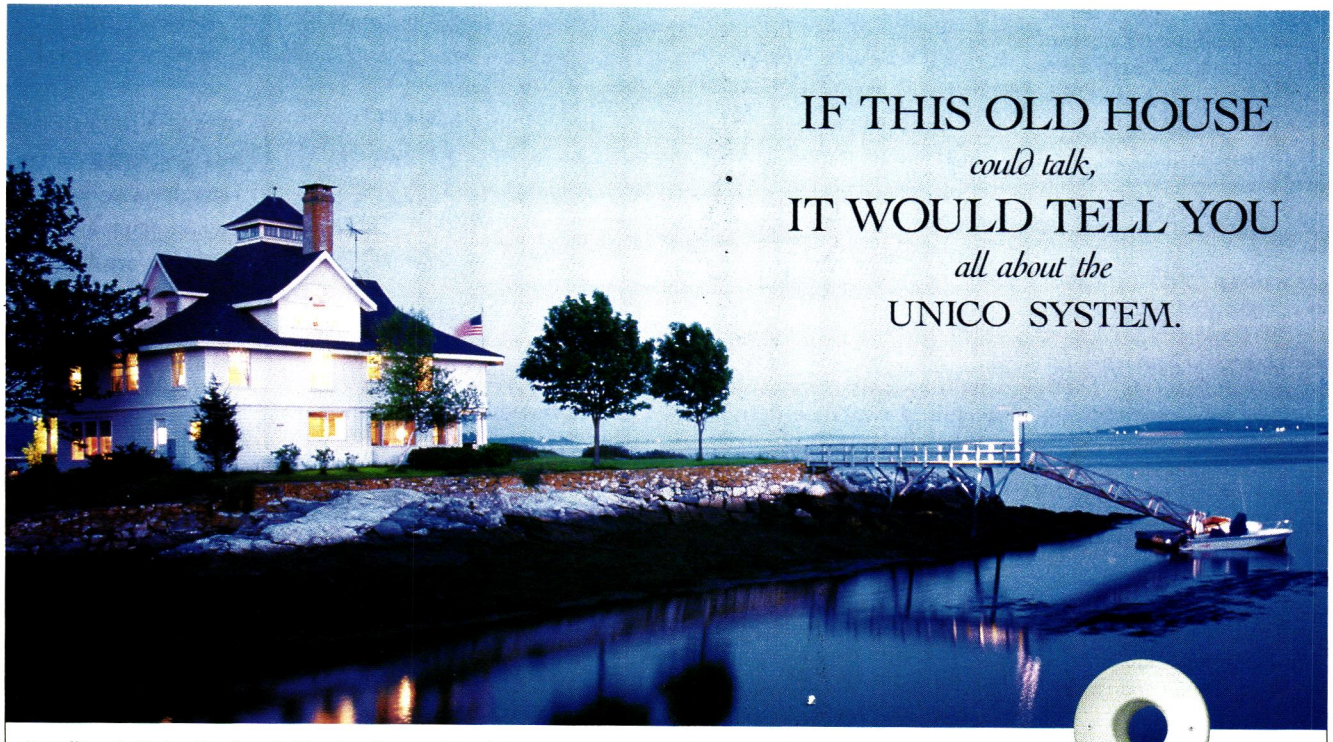
Free 320 Page Catalog!

Call 1-800-558-1234

Or Write

Dept. 60110 PO Box 278 Woonsocket, SD 57385

Circle no. 195



Installing A Unico Cooling & Heating System Won't Compromise Your Home's Architectural Integrity.

Now you can install a high performance cooling and heating system in your older home without affecting aesthetics. The Unico System's flexible mini-ducts fit easily behind walls and ceilings, eliminating the need for soffits. Outlets are small and subtle to match any décor. With the Unico System, you'll enjoy the superior performance of quiet, draft-free cooling and heating all year long.

To hear more about the finest cooling and heating system for older homes, call 1-800-527-0896 or visit us on the web at www.unicosystem.com.

The Unico System®

Circle no. 207

SWAPS & SALES

REAL ESTATE

LANCASTER, PA—Scott/Musser House c. 1775. Magnificent estate-style Penna. Limestone farmhouse situated on 15.9 acres with access to major highways. Meticulously restored, yet enhanced with all amenities demanded by today's homeowner. Five fireplaces, pumpkin pine floors, original moldings/hardware, 1897 bank barn, smokehouse, pool. Nearly 7,000 sq. ft. including in-home office. Zoned highway commercial. $1,295,000. Bill Rothermel, RE/MAX Associates of Lancaster, 1-800-572-2338 or email billr@redrose.net for information or brochure.

KASOTA, MN—Hewn log cabin, ca. 1865, hardwood logs with dovetail corners. 18' x 24' 2 story in excellent condition. Will dismantle and help erect framing for $20,000. 507-243-3382 or terrasol@mnlc.net

SPOTLIGHT HOUSE

LEESBURG, VA—Fleetwood Farm, c.1745, in Virginia Hunt Country. A Virginia Historic Landmark and on the National Registry of Historic Places, it was built by George Washington's doctor, The Rev. Dr. Charles Greene. Beautifully restored and maintained over 28 years; 5 bedrooms, 4 baths, 6 fireplaces, original woodwork, heartpine floors and exceptional detail throughout. Large trees, boxwoods and gardens. Restored c. 1800 3-level center-isle bank barn, stone smokehouse, heated workshop. Board fenced paddocks and pastures. Active spring and stream. Located on 11.12 acres; more land may be available. Close to metro area yet private and quiet. $998,000. For information and brochure (703) 327-4325. E-mail: Compuserve 102140.1542.

ITEMS WANTED

BRICKS WANTED-Old "Chicago" bricks, yellow. Produced between 1910 and 1925. Cleaned or not cleaned. Contact C. Eddleman, Auburn, GA. (770) 963-4385 or www.eddlema@bellsouth.net.

ANTIQUE HARP-Wanted, condition not important. Charles Sotir, 22 Nathan Hale Street, New London, CT 06320. (860) 444-0379.

RESTORATION SERVICES

ARCHITECTURAL SERVICES

ARCHITECTURAL SERVICES—Thoughtful and knowledgeable architectural preservation services that meet owners' needs and respect their buildings. Consultations and full services: building assessments, research, technical assistance, design, architectural services for restoration, conservation and addition. The Office of Allen Charles Hill, AIA, Historic Preservation & Architecture, 25 Englewood Rd., Winchester, MA 01890-1303. 781-729-0748. Web: http://home.att.net/~allen.hill.historic.preservation/

COLOR CONSULTING

EVERYONE DREAMS IN COLOR— For twenty years, our exterior color schemes have made dreams come true. The Color People, 2231 Larimer Street, Denver, CO 80205. (800) 541-7174. www.colorpeople.com.

SKYLIGHTS

COPPER SKYLIGHTS— Custom design and fabrication of historic copper frame reproduction skylights for sloped and flat roofs. Charles River Restoration, P.O. Box 390, Hopkinton, MA 01748. (508) 435-8540. E-mail: PMHCRR@aol.com.

STRUCTURAL REPAIR

STRUCTURAL REPAIR SPECIALIST—30 years experience in jacking, squaring, sill & timber replacement to Early American homes, barns and log cabins. Consulting services by appointment. We will travel anywhere. George Yonnone Restorations. (413)232-7060.

REAL ESTATE and RESTORATION SERVICES ad rates are $4.50 per word, 25 word minimum with $150 for a photograph. Deadline is the first of the month, two months prior to publication. The deadline for inclusion is the first of the month prior to publication. (January 1 for the March/April issue.) Submissions must be in writing and accompanied by a check. Mail to:

Barbara Jones
Old-House Journal
Swaps & Sales
181-20 140th Avenue
Springfield Garden, NY 11413
(718) 712-0757
(718) 712-1061 fax

SWAPS & SALES classified ads are FREE to current subscribers for one-of-a-kind or non-commercial items. Free ads are limited to a maximum of 40 words. Free ads are printed on a space-available basis. Deadline is the first of the month, two months prior to publication. For example, January 1 for the March/April issue. All submissions must be in writing and accompanied by a current mailing label for free ads. Mail to:

Swaps & Sales
c/o Ad Traffic Manager
Old-House Journal
One Thomas Circle, NW
Suite 600
Washington, DC 20005

Get Rid of Your Gutters!

RAINHANDLER®

Self-Cleans.
Unique louver design allows leaves and debris to blow or wash away.

Protects Property.
The Rainhandler self-cleaning system eliminates clogged, overflowing gutters and downspouts. No ground erosion. No more destructive ice dams from frozen gutters.

Protects You.
The Rainhandler self-cleaning system protects you from the need to climb ladders and roofs to clean clogged gutters.

Prevents Erosion.
Rainoff is converted to a 2 to 3 foot wide band of soft rain-sized droplets sprinkling the landscaping.

Maintains Itself.
The all-aluminum, never-rusting, maintenance-free Rainhandler louvers make messy, deteriorating gutters and downspouts history.

Beautifies.
The Rainhandler system is practically invisible. No gutters, downspouts, leaders or splash blocks to detract from the natural beauty of your home.

Installs Easily.
Each 5-foot section comes with 3 brackets & 6 screws. Do your entire home in 3 or 4 hours.

Guarantees.
Rainhandler comes with a 25-year manufacturer's warranty. Performance satisfaction is guaranteed for one full year.

Circle no. 213

Phone or Write for FREE Information

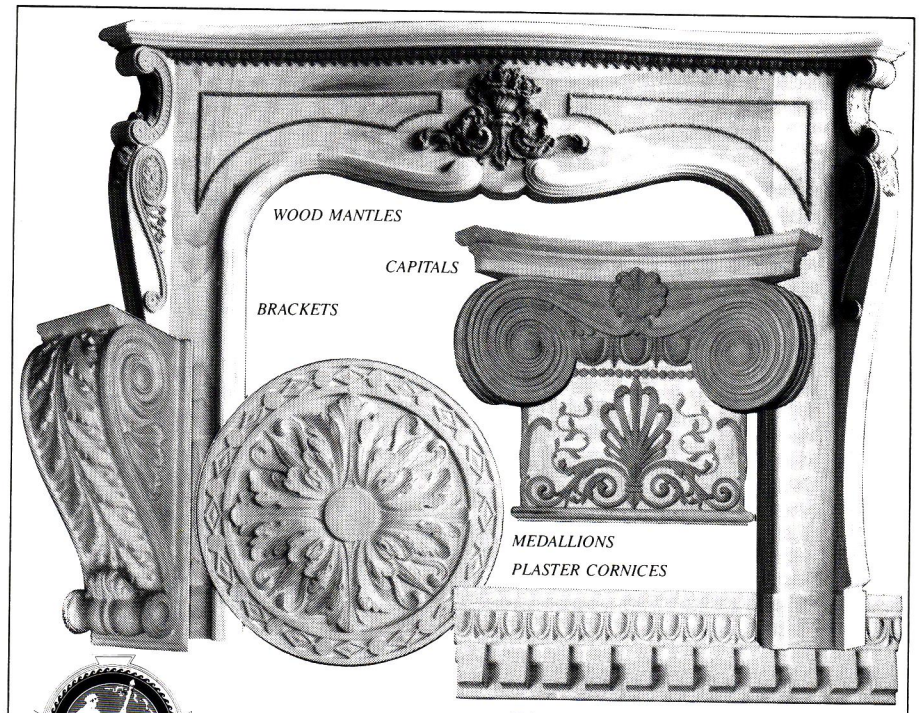
RAINHANDLER
from Savetime Corp.
Dept. OHO500
2710 North Avenue/Bridgeport, CT 06604
1-800-942-3004/Fax 1-800-606-2028

Name _____

Address _____

City _____ State _____

Zip _____ Phone ( ) _____



Established 1893 773/847-6300

DECORATORS SUPPLY CORPORATION

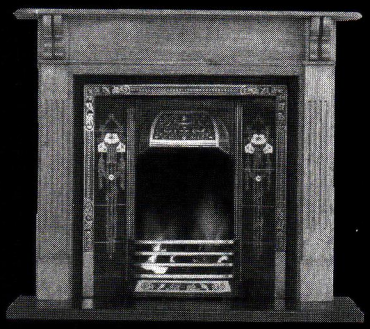
3610 S. MORGAN ST. • CHICAGO, IL 60609 http: www.decoratorssupply.com

Circle no. 110

Specialists in Classic English fires.

We carry a full range of fireplace tiles, cast iron inserts, and slate mantels.

In wood, gas, or electric applications
Renovations or new construction.



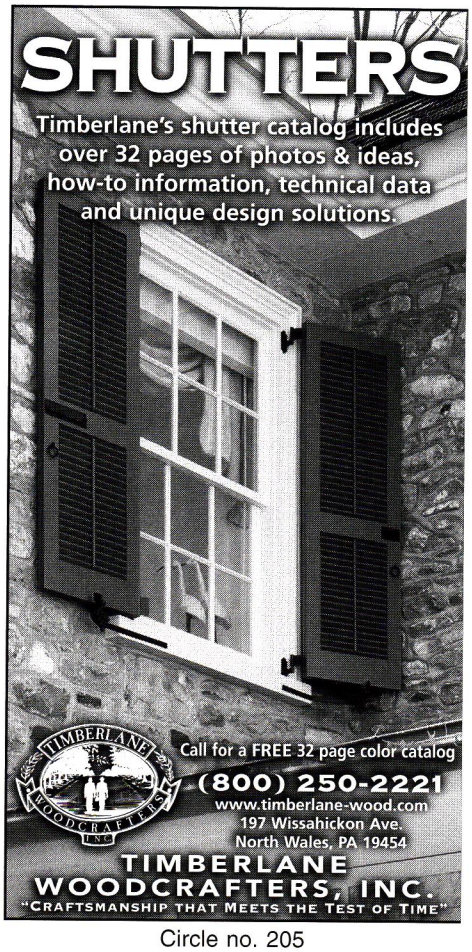
FIRES of Tradition

(905) 627-4147

Catalog $4.00

316 Brock Road Greensville, Ontario L9H 5H5

Circle no. 288



Circle no. 205

TILE RESTORATION CENTER

Specializing in the
Reproduction of American Arts & Crafts Tiles
Ernest Batchelder & Clay Craft Designs

Tiles for Fireplaces, Fountains, Floors, Wainscot, Kitchen & Bath

COLOR CATALOG: $10.00

Delia Tapp • Marie Glasse Tapp
(206) 633-4866
3511 Interlake North • Seattle, WA 98103
WEBSITE: tilerestorationcenter.com

Circle no. 430

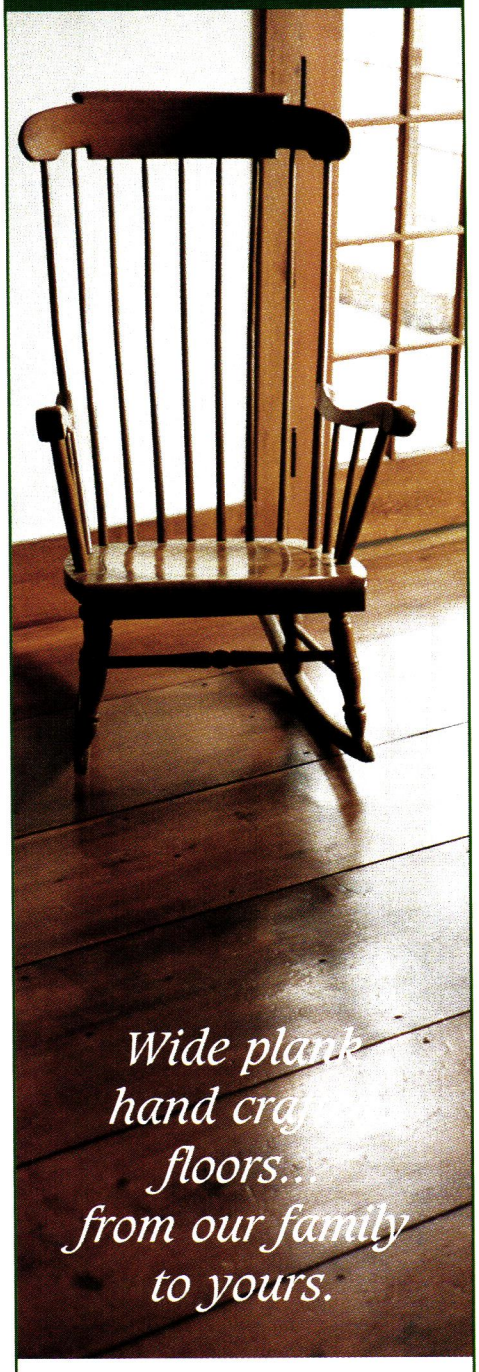
AMERICA'S OLDEST MAKERS OF COLONIAL AND EARLY AMERICAN LIGHTING FIXTURES

AUTHENTIC DESIGNS

42A The Mill Road
West Rupert, Vermont 05776
(802) 394-7713

Catalogue $3.00

A TRADITION
AS OLD AS AMERICA



Wide plank hand cra floors... from our family to yours.

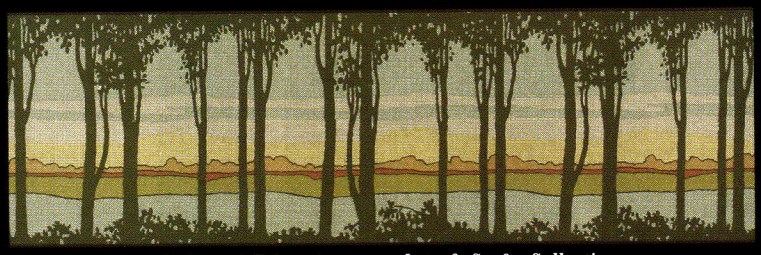
Traditional
New England floors
made from native woods.

Carlisle
RESTORATION LUMBER

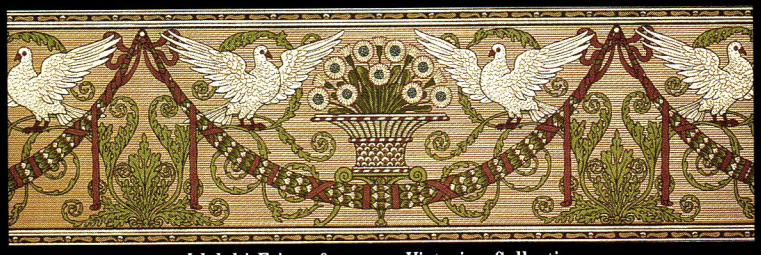
Call for your free brochure or sample kit
1-800-595-9663
STODDARD, NH • SINCE 1966
www.wideplankflooring.com

Circle no. 127

Hand Printed ART WALLPAPER



Birchwood Frieze from our Arts & Crafts Collection



Adelphi Frieze from our Victorian Collection

Available by Mail Order Complete Catalog: $12.00

BRADBURY & BRADBURY
P.O. Box 155-C3 Benicia, Ca. 94510 (707) 746-1900 bradbury.com

Circle no. 125

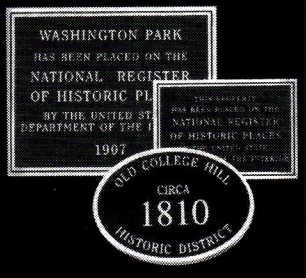
the TIN MAN

PRESSED-TIN CEILINGS & CORNICES
6", 12" & 24" PATTERNS
COMMERCIAL • RESIDENTIAL

Adds elegance to any room
SEND $1 FOR A BROCHURE
CHELSEA DECORATIVE METAL CO.
9603 MOONLIGHT DR., DEPT OH1
HOUSTON, TEXAS 77096
713/721-9200
FAX 713/776-8661
http://thetinman.com

Circle no. 131

Solid Bronze House Plaques
Foundry Direct



- Custom House Plaques
- Official National Register Plaques
- Quality that meets all historical guidelines
- Programs & Discounts for Historical Societies

Call for free catalog
1-800-626-3229
healysales@aol.com
Healy Brothers Foundry™

Circle no. 164

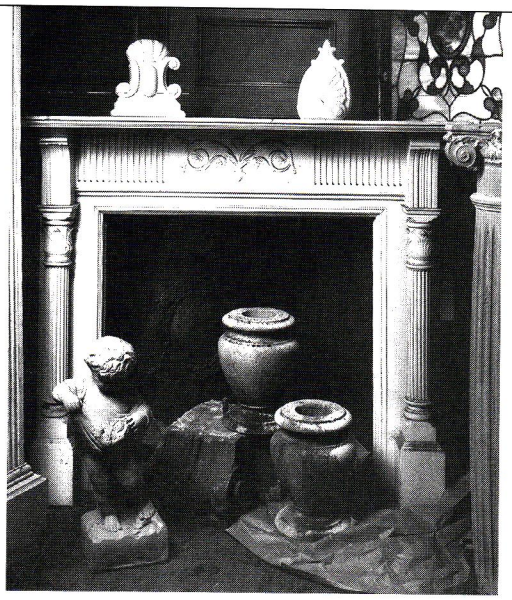
Mantels

Doors

Stained Glass

Ornaments

Hardware



Unique Architectural Decor

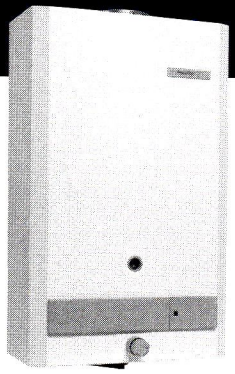
Restoration Resources, Inc

QUALITY ARCHITECTURAL ANTIQUES

31 Thayer St. in the "*Historic South End*" of Boston, MA
617-542-3033 Fax 617-542-3034
www.restorationresources.com

Circle no. 300

Circle no. 87



We've built a better water heater, so you can build a better home.

When it comes to efficiency and performance, nothing comes close to AquaStar tankless, gas water heaters. The tankless design means water is heated on demand, in an instant. And, since there's no need to continually heat and reheat water, the AquaStar delivers exceptional energy savings. Manufactured by Bosch, AquaStar water heaters are designed to last a lifetime. And when you're renovating or building a new home, settle for nothing less.

AOH-J0300

H: 29 3/4" W: 18 1/4" D: 8 3/4"

AquaStar by BOSCH
THE BETTER WATER HEATER

CONTROLLED ENERGY CORPORATION
800 • 642 • 3199
www.ControlledEnergy.com

Circle no. 136

Wood Restoration Made Easy and Safe...

STEP 1. REGENERATE, HARDEN AND STRENGTHEN ROTTED AREAS WITH **PC-PETRIFIER®**. THIS UNIQUE WATER BASE SYSTEM CAN BE POURED, BRUSHED AND EVEN SPRAYED ONTO AFFECTED AREAS. FOR USE ON WINDOW SILLS AND DECORATIVE AREAS. FOR SEVERELY DAMAGED AND STRUCTURAL COMPONENTS USE OUR NEW WATERPROOF **ROT-TERMINATOR® EPOXY WOOD CONSOLIDANT**. ZERO VOC'S AND NON-SOLVENT EPOXY BASED SYSTEM. USE WHERE STRUCTURAL INTEGRITY IS NEEDED. ***STEP 2.*** REBUILD MISSING PIECES OF WOOD WITH **PC-WOODY® WOOD EPOXY**. NON-SHRINKING EPOXY MADE FROM REAL WOOD. MAKE PERMANENT INTERIOR OR EXTERIOR REPAIRS TO STRUCTURAL STRENGTH. PAINT, STAIN, TOOL CURED PRODUCT.

AVAILABLE AT MOST LOCAL HARDWARE STORES OR CONTACT PROTECTIVE COATING CO.

PC-Products™ *PROTECTIVE COATING CO. (Since 1954)*
221 SOUTH THIRD STREET, ALLENTOWN, PA 18102 · PHONE (610) 432-3543 · FAX (610) 432-5043
http://www.pcepoxy.com · e-mail pcsales@ptd.net ***"The Impossible is Made Easy"™***

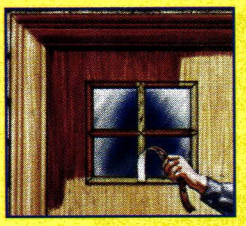
Circle no. 457

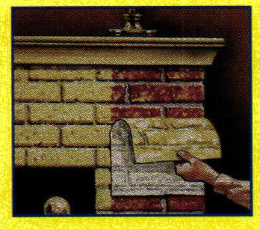
Circle no. 281

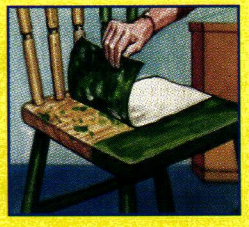
You Saw It On TV's "THIS OLD HOUSE"

LIFTS • PEELS • STRIPS AWAY UP TO 30 COATS OF PAINT AT A TIME!

- **NOW AVAILABLE IN COMMERCIAL PRE-MIX, simply apply - let set - and lift away paint in one single action.**
- **There are NO TOXIC FUMES and NO FLAMMABLE SOLVENTS!**
- **Amazing European discovery turns layers of paint into a single sheet, so it LIFTS AWAY INTACT!**
- **Ends sanding - scraping - spraying - chipping - steel wool virtually FOREVER!**







"PEEL-AWAY" WORKS WONDERS ON WINDOWS, WALLS, BRICKS AND FURNITURE

You've seen it on TV's "THIS OLD HOUSE." You've read about it in newspapers and magazines. Now here it is, the amazing wonder formula that starts to penetrate old paint (shellac and varnish, too) IN JUST MINUTES! Transforms it into a soft, plastic-like film. Then simply let set...lift, roll, strip up to 30 coats of paint away in a single lift-away action! Years of built-up paint, lift away quick and easy.
"PEEL-AWAY" will also remove painted or unpainted wall paper.

SIMPLY COAT IT ON-LET SET-SEE IT TURN PAINT TO "PAPER"-AND PEEL IT AWAY IN A SINGLE LIFT-OFF ACTION!

And now it's even easier than ever to apply, because easy to use, "PEEL-AWAY" comes in a NEW READY-MIX formula. Ready to use, just coat onto practically any painted surface, (except on factory baked finishes such as cars, washing machines, etc.) press down special "PEEL-AWAY" magic Liftex Strip away cloth...let formula set and adhere to surface and lift away old paint. It is as simple and easy as that!

SO ECONOMICAL TOO! REMOVES YEARS OF BUILT-UP PAINT...UP TO 30 LAYERS AT A TIME!

"PEEL-AWAY" is every home-owners dream come true. Ideal for indoors on walls, windows, furniture, etc.-Plus 101 outdoor uses too. And it's so economical too. Homeowner's size alone gives enough coverage to strip away as much as 50 to 80 feet of average wall and door trim, window frames, furniture, molding, stair railing, patio furniture, edging, roof gutters...its uses are almost endless!

SAVES WORK! SAVES TIME! SAVES MONEY! MAKES TAKING OFF PAINT ALMOST AS EASY AS PUTTING IT ON!

So for the new low-cost, super-fast way to lift away old paint...lift away old varnish and shellac...order your "PEEL-AWAY" today on a full money- back guarantee. REMEMBER: You must be able to simply coat...peel... lift and strip away up to 30 layers of old paint in a single lift-away action...without sanding, scraping, chipping or steel wool...or purchase price refunded in full. Order today!

EZ38

©2000 Dumond Chemicals, Sales Corp.

PROVEN WORLD WIDE:

WASHINGTON MONUMENT, Baltimore, MD
LIFTED AWAY **28 coats** of paint in a single application!

GREENWICH PALACE, London, England
LIFTED AWAY **32 coats** of paint from ornate plaster ceilings!

CAPITOL BUILDING, Indianapolis, IN
LIFTED AWAY **23 coats** of paint in a single application!

BRITISH MUSEUM, London, England
LIFTED AWAY **100 years** of paint from the museum's iron railings, in a single application!

PLUS...Texas A&M University, The American Hotel in Amsterdam, Holland, Royal Hospital, Chelsea, England, and other landmarks across the nation, and worldwide!

The Pros no longer chip, scrape, spray, or sand...why should you?

MAIL NO RISK COUPON TODAY

DUMOND CHEMICALS, DEPT. OHJ-01, 1501 BROADWAY, NY, NY 10036 Please RUSH the quantity of "PEEL-AWAY" (in commercial pre-mixed formula) checked below. If I am not completely satisfied, I may return for a full refund (less postage and handling, of course).

- ☐ Regular Size (1/2 Gallon) **only $14.95** plus $5 postage & handling.
- ☐ Homeowner Size (1 Gallon) **only $22.95** plus $7 postage & handling. **YOU SAVE $9.00!**
- ☐ Handyman's Super 5 Gallons Size **only $79.50** plus $20 postage & handling. **YOU SAVE $80.00!**
- ☐ PEEL-AWAY NATURAL (For surfaces NOT to be painted after stripping. use if you want a clear finish without paint.) 1Gallon only **$49.95** plus $ 5 postage & handing.
- ☐ SPECIAL PEEL-AWAY NATURAL. 2 Gallons only **$89.00** plus $ 10 postage & handing. **YOU SAVE $10.00!**

Amount Enc. $_____(NY residents add sales tax) No C.O.D's please.

NAME_____

ADDRESS_____

CITY_____ STATE_____ ZIP_____

Circle no. 461

OHJ RESOURCE NETWORK

To request information from our advertisers: PHONE: 1-888-398-2200 FAX: 1-865-488-6188
MAIL: Fill out the postage-paid card and drop in the mail. (If requesting literature with charge, put card and check in envelope and mail.)

Abatron, Inc. 254
See our ad on page 90
Rotted wood repair epoxies; concrete repair compounds; moldmaking and casting compounds; adhesives; strippers; crack-injection resins; stone maintenance products. Free Literature. 800-445-1754. www.abatron.com.

Ace Hardware 426
See our ad on pages 24 & 25
Of all the product brand names in the hardware and home improvement industry, one stands above all others for quality, value and selection—Ace Brand. Over 9,000 items available exclusively at Ace Hardware. Free brochure. 630-990-3613. www.acehardware.com.

Advanced Repair Technology 428
See our ad on page 136
Engineered for the movements of wood. ART's epoxy wood repair system provides unparalleled ease of use and long-term performance. Visit our on-line catalog at 222.advancerepair.com or call 607-264-9040. Free Literature.

AGA Cookers 460
See our ad on page 9
British cast-iron AGA Cookers handcrafted-to-order. 12 gorgeous colors of durable enamel. 3 sizes. Multiple self-cleaning ovens simplify cooking. 800-633-9200. www.aga-cookers.com. Free Literature.

Allied Windows 78
See our ad on page 98
Invisible Storm Windows-Match any window shape or color. Removable storm windows for the inside or outside. $2.25 color brochure. 800-445-5411. www.invisiblestorms.com.

Amazon.com 424
See our ad on page 47
Amazon.com Home improvement store now open. With tons of tools and information, we can help you do just about anything around the house. www.amazon.com.

Antique Hardware Store 80
See our ads on page 91
Renovation Hardware. Hard-to-find supplies: brass cabinet hardware, lighting, pedestal sinks, old-fashioned bathtub showers & fixtures. Free catalog. 800-422-9982. www.antiquehardware.com.

Architectural Antiques 436
See our ad on page 50
The nations leading integrator of antique architectural elements into your everyday environments. Free Literature. 612-332-8344. www.archantiques.com.

Arrow Fastener
See our ad on page 106
American Hand Tool Company. A wide range of staple guns & staples, nail guns & nails, rivet tools & rivets, glue guns & glues & steel rule tape measures for the serious do-it-yourselfer. Free literature. www.arrow-fastener.com.

Arroyo Craftsman Lighting, Inc. 82
See our ad on page 41
Arts & Crafts Lighting—Interior, exterior & landscape lighting. Multiple sizes, finishes & art-glass choices. Free color catalog. 888-227-7696.

Benjamin Moore 429
See our ad on pages 36 & 37
For the best paint and the best results, look no further than your local Benjamin Moore dealer. Call 800-6PAINT6 for your nearest dealer, or visit us on the web at www.benjaminmoore.com.

Besco Plumbing 259
See our ad on page 107
Solutions for bath and kitchen. Free catalog. 800-6973871.

Beveled Glass Design 235
See our ad on page 87
Beveled Glass Designs manufacturer of the world's finest entry systems. Superior design capabilities, wood, steel doors, fiberglass doors available. Free Literature. 800-428-5746. www.beveledglassdesigns.com.

Brass Light Gallery 85
See our ad on page 54
Order direct from the manufacturer for better quality interior and exterior lighting. Arts & Crafts, Prairie School, European, Traditional and other styles. Free Literature. 800-243-9595. www.brasslight.com.

Bruce Hardwood Floors 455
See our ad on page 6
The world's largest manufacturer of hardwood flooring, Bruce offers more than 200 different styles and colors of strip, plank and parquet. Three durable finishes: Dura-Luster, Plus Low Gloss Finish, Dura-Luster Textured Wax Finish and Permion‰ Finish for use in residential, DIY and commercial markets. Free Literature. 800-722-4647. www.brucehardwoodfloors.com.

Cabot 86
See our ad on pages 14 & 15
Woodcare. Manufacturers of premium-quality interior & exterior woodcare products. Unique product for virtually every application. Free literature. 800-US-STAIN. www.cabotstain.com.

Carlisle Restoration Lumber 127
See our ad on page 127
Traditional Wide Plank Flooring. In the tradition of our heritage we have been America's source for custom crafted flooring for over 30 years. Free Literature. 800-595-9663. www.wideplankflooring.com.

Celotex 83
See our ad on page 23
Celotex® Premium Laminated Shakes Learn more about the beauty, strength and warranty benefits in our 12 page Product Selector Guide. Free brochure. (813) 873-4115. www.celotex.com.

CertainTeed Corporation 284, 138
See our ad on pages 43 & 52
A full line of quality roofing, siding, insulation, windows, fencing and ventilation products that maximize style, comfort and durability. Call 1-800-782-8777. Free Literature. www.certainteed.com..

Craftsman Hardware 427
See our ad on page 94
Handcrafted Arts & Crafts hardware of uncompromising quality for today's discerning enthusiast. Made in the USA. $6.00 Literature. 660-376-2481. www.craftsmenhardware.com.

Crown City Hardware 88
See our ad on page 82
Hard-to-Find Hardware. From the 16th century through the 1930's; using brass, iron, pewter & crystal. Catalog includes informative text and high-quality restoration hardware. $6.50. 626-794-1188.

Cultured Stone Corp. 179, 183
See our ad on page 13
CULTURED STONE® Products add beauty and distinction to your home. They look and feel like natural stones, yet cost far less. Free 6-page all-products brochure (no. 179) or 64-page catalog filled with design ideas for $5 (no.183). 800-255-1727. www.culturedstone.com.

Decorator's Supply Corporation 110
See our ad on page 126
Manufactures 16,000 different ornaments in plaster, wood, composition. Established in 1893. Free literature available. 773-847-6300. www.decoratorssupply.com.

Designer Doors 144
See our ad on page 137
Designer Doors works with homeowners, architects and design-builders to create beautiful wood garage doors that complement vintage and designer homes. Call 800-241-0525 or visit www.designerdoors.com.

DIYonline.com
See our ad on page 89
Custom design your home improvement projects using our free project design software. You receive a print out of your project plan, complete materials list, instructions and information on where to buy. It's the only way to Do It Yourself. www.DIYonline.com.

Doubleday Select
See our insert
Indispensable reference at an unbeatable price.

DRYLOCK ® Concrete Protector Guide 395
See our ad on page 48
Full-color brochure that guides you through the process of cleaning, patching and protecting masonry surfaces from cracking, chipping and pockmarking. FREE from United Gilsonite Laboratories- www.ugl.com or 800-272-3235

Dumond Chemical 147
See our ad on page 129
Peel Away is an environmentally safe paint remover capable of removing thirty-two coats of paint with a single application. Free Literature. 212-869-6350. www.peelaway.com.

DuraVinyl 408
See our ad on page 119
Free Literature. 800-206-4946.

DUROCK ® Brand 303
See our ad on page 49
Cement Board. Ideal base for ceramic tile installations throughout the home. Free installation guide. 800-USG4YOU. www.usg.com.

HARDWARE *PLUS*

Elliott's Hardware Plus 90
See our ad on page 113
Hardware Plus. A restoration & renovation home & furniture hardware free catalog. 888-OLD-TYME. www.oldtyme.com.

FISCHER & JIROUCH CO.

Fischer & Jirouch 91
See our ad on page 116
Plaster Ornament. Restoration and reproduction with fiber-reinforced plaster. Complete catalog of 1500 items, $10. 216-361-3840.

Florida Tile 444
See our ad on page 109
Quality ceramic tile- A broad range of styles in ceramic, porcelain & stone accents for new construction and renovation. Rated #1 in brand and service. Free Literature. 1-800-FLA-TILE. www.fltile.com.

FOLLANSBEE

Follansbee Steel 93
See our ad on page 120
Metal Roofing Materials. RAPIDRI acrylic, water-based metal paint. Free catalog 800-624-6906. www.folrfg.lbcorp.com

Georgia Pacific. 317
See our ad on page 38
Georgia-Pacific, the Nation's leading manufacturer of building materials, provides a wide selection of reliable products through leading retailers throughout the U.S. Free Literature. 800-BUILD GP. www.gp.com.

Hartco Flooring 456
See our ad on page 19
Learn why Hartco Flooring Co. is a leading manufacturer of quality hardwood flooring. Harcto offers a variety of choices to fit any home's décor. Call 800-442-7826 for a free Hartco products brochure or visit www.hartcoflooring.com.

Hartford Conservatories 279
See our ad on page 97
The Hartford Conservatory is constructed of solid, select hardwood with safety tempered glass & has a lifetime warranty. Free literature. 781-937-9050. www.hartford.com.

The Iron Shop
See our ad on page 121
The highest quality and value since 1931. Spiral Stairs Kits available in Metal, Oak, Cast-Aluminum Victorian Designs Kits, and All-Welded Units. Free catalog 800-523-7427 ext. OHJ-E0. www.theironshop.com.

Jacuzzi Whirlpool Bath 453
See our ad on pages 4 & 5
Jacuzzi Whirlpool Bath features the Designer Collection, a distinctive offering of whirlpool baths, shower systems, toilets, bidets and lavatories. Free Literature. 800-288-4002. www.jacuzzi.com.

Johns Manville 309
See our ad on page 35
Consumer ComfortTherm. ComfortTherm poly-encapsulated batts and rolls produce high insulating performance with less dust & itching.. Free brochure, 800-654-3103. www.jm.com.

KitchenAid
See our ad on pages 20 & 21
KitchenAid offers a complete line of beautifully designed, professional-quality major and countertop appliances. For more information, plus recipes and entertaining tips visit www.KitchenAid.com, or call 800-422-1230.

Kroy Building Products 314
See our ad on page 105
Vinyl fence, deck, handrail & pergolas are the final touches to a maintenance free home and the perfect compliment to vinyl siding & windows. Free literature. 800-933-KROY. Fax: 888-BUY-KROY. WEB: www.kroybp.com

KWC Faucets 452
See our ad on page 26
Bringing Swiss quality faucets accessories to the world for over 125 ears. KWC has combined precision and function in sleek, stylish designs for the kitchen and bath. Free Literature. 877-592-3287. www.kwcfaucets.com.

MADAWASKA DOORS

Madawaska Doors Inc. 310
See our ad on page 115
Custom solid wood doors, "Any Size, Any Design, Any Wood, Any Time". Free literature. www.madawaska-doors.com.

Marvin Windows 232
See our ad on page 31
Marvin offers a 30-page catalog featuring their wood and clad wood windows and doors. Beautiful color photographs and information on Marvin's standard and custom products. Free. 888-537-8253. www.marvin.com.

MICA LAMPS

Mica Lamp 158
See our ad on page 74
Authentic lighting styles and Authentic materials from the American Arts & Crafts era, circa 1910. Made in USA of Authentic Mica Mineral and Copper and rivet construction. Free Literature. 818-241-7227. www.micalamps.com.

Mitsubishi 99
See our ad on page 11
Ductless Technology. Supplier of the Mr. Slim line of ductless air conditioners & heat pumps. Free catalog. 770-613-5825. www.mitsubishi.com/hvac.

OLDE GOOD THINGS

Olde Good Things 384
See our ad on page 110
212-989-8401 www.oldegoodthings.com info@oldegoodthings.com.

Pozzi
See our ad on the inside front cover and page 1
Wood Windows. Hand-crafted in Bend, Oregon, Pozzi Wood Windows ensure unsurpassed quality and custom beauty in every window and patio door. For product literature or a dealer near you, call 800-257-9663 ext. RSOHJ or visit www.pozzi.com.

OLDE CENTURY COLORS, INC.

Primrose Distributing 186
See our ad on page 103
Colors of the 18th & 19th Century suitable for all areas of restoration, interior or exterior, as well as furniture. $5.00 Literature (refundable on first order)219-234-6728. www.oldecenturycolors.com.

Rainhandler

Rainhandler 213
See our ad on page 125
Rainhandler-modern alternative to gutters. Converts roof runoff to rain sized drops. Spreads them 2 to 3 feet away from home. No cleaning, no maintenance, no ground erosion. Free Literature. 1-800-942-3014. www.rainhandler.com.

Rejuvenation Lamp & Fixture 105
See our ad on the back cover
Authentic Lighting Reproductions. Over 280 chandeliers, wall brackets, porch lights & lamps, Victorian, Arts & Crafts & Neoclassic styles. Free catalog. 888-343-8548. www.rejuvenation.com.

Renovator's Supply 106
See our ad on page 117
Bathroom Fixtures & Accessories. Door, window, cabinet hardware. Lighting fixtures. Free catalog. 800-659-0203.

Restoration Resources

Restoration Resources 300
See our ad on page 128
Boston's largest architectural antique dealer selling mantels, doors, hardware, lighting, bath and garden pieces-decorative objects and more. 617-542-3033. www.restorationresource.com.

ROYAL CONSERVATORIES

Royal Conservatories 431
See our ad on page 112
Royal Conservatories designs and manufactures the highest quality Old English style conservatories with modern materials and designs perfect for today. Free Literature. 651-454-9188. www.roycon.com.

Silver Line Windows 241
See our ad on cover 3
Vinyl Windows. A complete line of vinyl windows for new construction and renovation. Free color catalog.800-234-4228. www.silverlinewindow.com.

Specification Chemicals 108
See our ad on page 120
Wall Restoration- Repair cracked plaster walls and ceilings. Install easier than wallpaper; no need to remove woodwork. Stops air infiltration and creates a vapor barrier. Free Literature. 800-247-3932. www.spec-chem.com.

THE SUN TUNNEL

Sun Tunnel 458
See our ad on page 93
The Sun Tunnel is a complete roof to ceiling skylight system that installs in two hours. The unique reflective flexi-tube allows this the skylight to be used in any style house making the most versitle skylight of its kind. 800-369-3664.

Systems Three Resins 313
See our ad on page 113
System Three Resins formulates epoxy systems and coatings for building, restoring or repairing in wood fiberglass or composites. Free Literature. 206-782-0818. www.systemthree.com.

UnicoSystems, Inc. 207
See our ad on page 123
The mini-duct heating and colling system specifically designed to preserve the architectural integrity of older and historically significant homes. Free Literature. 800-527-0896. www.unicosystem.com.

Vixen Hill 109
See our ad on page 138
Superbly hand crafted Cedar Gazebos and Shutters by Vixen Hill have set the standard. Literature $4. 610-286-0909.www.vixenhill.com.

WIRSBO

Wirsbo 421
See our ad on page 53
Comfort for your new or remodeled home-Wirsbo systems turn beautiful floors into warm and cozy radiators. Clean, quiet heating that saves you money on your fuel bills. Free literature. 800-321-4739. www.wirsbo.com.

Wood Beautiful® 399
See our ad on page 69
Minwax® presents their all new Wood Beautiful® magazine, containing 36 pages filled with exciting home improvement projects, decorating ideas, and expert tips and techniques designed to bring the beauty of wood into your home. Free. www.minwax.com.

For more information use circle numbers in red when ordering by phone, fax, mail or e-mail.

AA Abbington Affiliates pg. 145 111
Tin Ceilings.$1 brochure. 718-258-8333.www.abbingdon.com

Acorn Manufacturing pg. 139 112
Forged Iron. Free literature. 800-835-0121.

Adams Architectural Wood Products pg. 141 176
Traditional wood storms, screens and sash individually handcrafted to your specifications. Free Literature. 888-285-8120. www.adamsarch.com

Al Bar- Wilmette Platers pg. 144 114
Specialists in restoration of door and window hardware, lighting fixtures, cabinet hardware, plumbing fixtures and other metal items. Large collection of antique hardware available. Free Literature. 847- 251-0187.

American Home Supply pg. 115 116
Reproduction Lighting & Hardware $4 catalog. 408-246-1962.

American International Tool Ind. Inc pg. 118 117
Manufacture and sell Paint Shaver and Sander Vac paint removal products for regular & lead paint. Free Literature. 800-932-5872. www.aittool.com

Architectural Antiquities pg. 115 118
Original architectural items. Brochure $1.75. 207-326-4938.

Architectural Grille pg. 99 76
Bar grilles & perforated grilles custom made in any material or finish for heating and ventilating. Free Literature. 718-832-1200. www.archgrille.com.

Architectural Iron. pg. 50 81
Roof crestings, balconettes, finials and snowguards in 23 designs. Available in aluminum or steel. Custom and reproduction work available. $1.00 brochure. 570-296-7722. www.capitalcrestings.com.

Architectural Timber & Millwork pg. 143 119
Architectural Millwork. Free literature. 800-430-5473.

ARSCO Manufacturing pg. 120 120
Radiator covers and enclosures for steam and hot water heating systems. Free Literature. 800-543-7040. www.arscomfg.com.

Bio-Wash Wood Restoration pg. 131 124
Restore and protect the natural beauty of your wood. BIO-WASH, -- manufacturing products our children can live with.

Bird-X pg. 131 124
End Bird Pollution. Free literature 312-ban-bird. www.bird-x.com.

Bobby King & Associates pg. 100 .....446, 450
601-842-5040.

Bradbury & Bradbury pg. 127 125
Art wallpapers. $12.00 catalog. 707-746-1900. www.bradbury.com.

Broad Axe Beam Co. pg. 137 320
Pine Flooring 802-257-0064. www.broad-axebeam.com.

Chadsworth's 1.800.Columns pg. 128 87
Wood, PolyStone™ and fiberglass columns. Free Flier. Idea book$15 includes product portfolio. 800-486-2118. www.columns.com.

Chelsea Decorative Metal pg. 127 131
Tin Ceilings. $1brochure. 713-721-9200. www.thetinman.com

Classic Accents pg. 118 134
Makers of push-button light switches, wall plates, fancy tassels, cord, moulding, Hook & Edison light bulbs, etc. $2 catalog. www.classicaccents.net.

Classic Gutter Systems pg. 138 135
Gutter Projects. Free literature. 616-382-2700.www.classicgutters.com.

Controlled Energy pg. 128 136
European Style Tankless Water Heater. Free literature.
800-642-3199. www.cechot.com.

Coppa Woodworking pg. 136 137
Wood screen doors. Free Catalog. 310-548-4142.

Country Road Associates, LTD pg. 118 139
Country Road sells 19th Century reclaimed wood for flooring in pine, chestnut, oak, heartpine and hemlock. Barnsiding and hand-hewn beams. $ 3.00 catalog. 914-677-6041. www.countryroadassociates.com.

Crown Point Cabinetry pgs. 135, 137, 139
Shaker & Early American cabinetry. Free color literature.
800-999-4994. www.crown-point.com.

Cumberland Woodcraft pg. 120 141
Victorian Millwork. $5 color catalog. 717-243-0063. www.cumberlandwoodcraft.com.

Custom Wood Turnings pg. 144 142
Manufacturer of custom balusters, newel posts, handrail, porch posts, finials, legs and bedposts. $5.50 catalog. 860-767-3236.

Dalton Pavilions pg. 135 343
We offer the finest pre-engineered pavilions and gazebos, shipped throughout the United States and Internationally. Call or write for free color catalog. 215-721-1492.

Deckorators pg. 139 398
Enjoy the classic look and charm of wrought iron without the high cost of maintenance. Same price as wood 2 x 2's. Free Literature. 314-770-0888. www.deckorators.com.

Design's In Tile. pg. 137 145
Custom Historic Tiles and Murals-Specialists in Victorian and English/American Arts & Crafts tile. 3"x6" subway tile/trim. Mosaic flooring.$3.50 color catalog.530-926-2629. www.designsintile.com.

Devenco Louver Products pg. 141 146
Shutters & Blinds. Free brochure. 800-269-5697. www.shutterblinds.com.

Donald Durham pg. 122 147
Rock-Hard Putty. Free literature. 515-243-0491. www.waterputty.com.

Duluth Trading Company pg. 98 92
A fine collection of storage and organization products for contractors, builders and do-it-yourselfers. Free Literature. 612-717-4400. www.duluthtrading.com.

Erie Landmark pg. 98 149
Custom-Made Plaques. Free brochure.800-874-7848. www.erielandmark.com.

Fires Of Tradition pg. 126 288
Complete line of English period fireplace castings. Ceramic tiles for wood, gas, electric applications. $4 brochure. 905-627-4147.

Four Seasons Sunrooms 121 154
America's Largest Selection of Sunrooms. Free literature. 800-368-7732.

Gates Moore pg. 141 155
Early American Design lighting fixtures. Handmade to the drip on the tapered candle. Copper lanterns, chandeliers, wall sconces and hall lights. $2 Literature. 203-847-3231. www.imox.com/gatesmoorelighting

Glass House pg. 143 445
Designs, fabricates and erects wood frame and insulated glass conservatories, solariums, glass roof systems, specialty skylights, ornamental metal work, variable trim enhancements. Free Literature. 800-222-3065.

Golden Flue pg. 140 159
Chimney Liners. Free information. 800-446-5354.

Good Time Stove pg. 122 160
Antique Stoves. Free literature. 888-282-7506. www.goodtimestove.com

Granville Manufacturing pg. 145 162
Quartersawn Clapboards. Free brochure. 802-767-4747.www.woodsiding.com

Grate Vents pg. 120 163
Manufacturer of wooden floor and wall mounted grates. Egg crate or Louver styles. From 2"x10" to 20"x32". Special orders welcome. $2.00 brochure. 815-459-4306.

H.T. Sales Company pg. 135 231
Decorative Hardware. Free literature. 877-Hardware.

Hammock Source pg. 139 318
The Original Pawleys Island Rope Hammock handcrafted since 1889 in the same tradition for comfort and relaxation. Free Literature. 800-643-3522. www.pawleys.com.

Healy Brothers Foundry pg. 127 164
National Register Plaques. Free brochure. 800-626-3229.

HomeSaver Chimney Liners pg. 143
Call for free brochure on restoring great old chimneys and get the name of an installer in your area. 800-437-6685. www.homesaver.com.

Inclinator Comapny of America pg. 121 234
Elevators. Free Brochure. 717-234-8065.

J.L. Powell & Co., Inc. pg. 99 169
Manufacturers of traditional wood floors and accessories featuring The Charleston, Savannah, Camden, Naily Heart, Ship's Plank Distressed and Wormy Mahogany plank floors. Free Literature. 800-227-2007. www.plankfloors.com.

JB Products pg. 140 168
J.B. Products offers unique 12-inch showerhead for new baths, remodeling. Brass or Stainless. Also offers compact dehumidifier for home, RV's, Boats. Free Literature

The Joinery & Co. pg. 113 97
Wide-plank flooring Antique heart pine. Other rare woods. Solids, engineered MultiLayer®. Beautiful, raised-grain, brushed and oiled woods. $5.00 brochure. 800-726-7463 www.joinery.com

Jomy Safety Products pg. 116 358
Retractable and collapsible ladders, staircases, and balconies. 800-255-2592. www.jomy.com.

King's Chandelier Company pg. 135 172
Victorian reproductions of hand polished brass and traditional crystal chandeliers and sconces. $5.00 color catalog. 336-623-6188. www.chandelier.com

Nixalite of America pg. 121 178
Pigeon Control. Free brochure. 800-624-1189. www.nixalite.com

Old California Lantern pg. 46 404
Californian history and architecture inspire our lantern designs. Pasadena series of Arts & Crafts Lanterns, Sutters Mill series of mid-1800's oil lanterns. $5 catalog. 800-577-6679. www.oldcalifornia.com.

Ole Fashion Things pg. 433
Supplier of clawfoot tub shower enclosures, handheld showers, tub fillers, drains, supply sets and accessories. Brass, chrome and nickel finishes. Free Literature. 337-234-4800.

Parkersville Collection pg. 144 261
16 page booklet of historic house plans featured in OHJ, Better Homes & Gardens, Builder and The Backroad Home. $16. 800-383-2677.

Pinch of the Past pg. 145 432
Free Brochure. 912-232-5563. www.pinchofthepast.com.

Preservation Products pg. 138 185
Preservation & Restoration. Free catalog.
800-553-0523.www.preservationproducts.com.

ProTech Systems pg. 144 187
Chimney Liners. Free catalog. 518-463-7284. www.hearth.com/pts.

Protective Coating pg. 128 457
PC-Products‰- Wood restoration products that make the impossible easy from the manufacturer of PC-7, epoxy. Free Literature. 610-432-3543. www.pcepoxy.com.

Recycling the Past pg. 143 405
Architectural Antiques and salvage building materials for the home and garden. Please visit our website www.recyclingthepast.com. Literature $1. 609-660-9790

Reggio Register pg. 141 189
Manufacturer of a complete line of elegant cast-brass, cast-iron, cast-aluminum and wooden decorative grilles and registers. Free Literature. 978-772-3493. www.reggioregister.com.

Roof Tile & Slate pg. 116 194
New & Historical Slate & Clay Tile. Free literature
800-446-0005. www.claytile.com.

Salter Industries pg. 136 193
Stairs. Free literature. 800-368-8280.

Smith-Cornell pg. 48 255
Free Literature. 800-325-0248. www.smith-cornell.com

Snelling's Thermo-Vac, Inc. pg. 140 196
Decorative Ceiling Tiles. Free literature.318-929-7398.

Southern Pine Council pg. 50 .....
Pressure-treated Wood – Free Literature. 504-443-4464.

Stairworld pg. 140 198
Staircases & Stair Parts. Free catalog. 800-387-7711.www.stairworld.com

Sylvan Brandt pg. 143 113
Antique Flooring, pine & oak random width flooring. Free literature. 717-626-4520. www.sylvanbrandt.com.

Texas Iron Gate & Fence pg. 128 281
Iron fences, gates, beds and garden borders. $4. brochure. 940-627-2718. www.texasironfence.com.

Tile Restoration Center pg. 126 430
206-633-4866. www.tilerestorationcenter.com.

Timberlane Woodcrafters pg. 126 205
Shutters. Free color catalog. 800-250-2221.www.timberlane-wood.com.

Van Dykes pg. 123 195
Period reproduction hardware, furniture and components, wood carvings, veener, nostalgic accessories and more. Over 8000 items! 328 page color catalog. 800-558-1234. Free literature. www.vandykes.com.

Victorian Collectibles pg. 122 304
Authentic Victorian restoration wallpapers, borders, friezes and ceiling treatments, dating from 1850 to 1915 from out exclusive "Brillion Collection". Catalog $10. refundable with order. 414-352-6971. www.victorianwallpaper.com.

Vintage Woodworks pg. 96 209
Architectural Details. Vast array of brackets, corbels, gable decorations, mouldings, porch parts, screen doors, shelves, stair parts, window cornices & more! Free 224 pg Master Catalog. 903-356-2158.

Vulcan Supply pg. 122 210
Various Hand Crafted Ornaments.$3 catalog. 802-878-4103.

Ward Clapboard Mill pg. 131 212
Quartersawn Clapboards. Free brochure. 802-496-3581.

W.F. Norman pg. 142, 122 .....211, 402
Tin Ceilings. $3 catalog. Architectural Sheet Metal Ornaments. $2.50 catalog.800-641-4038.

Wooden Radiator Cabinet pg. 138 434
Available in 3 styles, our elegant cabinets are heat efficient and durable: over 12,000 cabinets sold in the past ten years! Free Literature. 800-817-9110.

X-I-M pg. 141 218
When Ordinary Primers are Not Enough. Free Literature.
800-603-9956.

Yestertec Design Co pg. 141
American Country-Style Furniture. Free catalog. 800-659-0206.

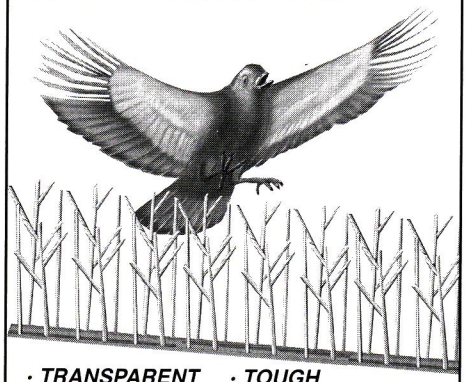
York Spiral Stair pg. 142 454
207-872-5558

PHOTO CREDIT

THE BIG DIPPER
www.NASA.gov
A DREAM HOME
FOR YOU TO ENJOY IT FROM
www.EPLANS.com
Somewhere out there, your dream home is waiting. It just hasn't been built yet. Chances are you'll find it at eplans.com. After all, over one million dream homes have been built from our house plans, created by the nation's best architects. Choose your plan, modify it, even take a virtual reality tour online. Your dream home is out there. But you'll never find it if you don't start looking.
eplans.com
Stop dreaming. Start building.

Block Pest Birds from Landing Strips!

SPIKES® NOTHING COMES CLOSE!



- TRANSPARENT
- TOUGH
- ECONOMICAL
- EASY TO INSTALL
- DENSE
- FLEXIBLE
- ENVIRONMENTALLY SAFE

800-662-5021 Get rid of birds, and the mess and diseases they bring. We guarantee we'll solve your bird problem.

BIRD-X INC

300 N. ELIZABETH ST. DEPT. OHJ • WWW.BIRD-X.COM
CHICAGO IL 60607 • 312-BAN-BIRD 312-226-2480 FAX

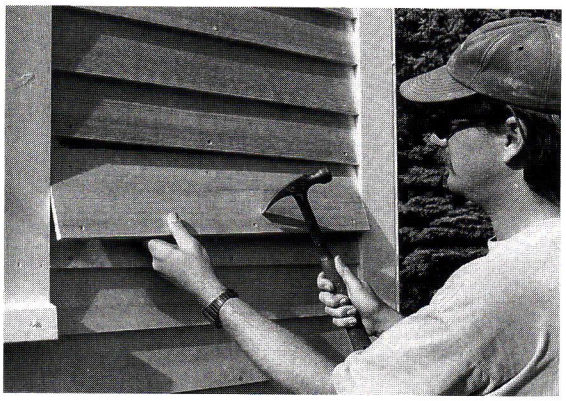
THE BIRD CONTROL "X-PERTS" SINCE 1964

Circle no. 124

WARD QUARTERSAWN

The Ward Quartersawn Clapboard

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.



"The clapboards were blemish-free, beautiful, even in a whole truck load. It was one of the few times we've bought something, not having seen it, and everything worked out well."
— Dan Crowley, contractor, Yarmouth, Maine

Ward Clapboard Mill

P.O. Box 1030
Waitsfield, VT 05673

Moretown, VT
(802) 496-3581
FAX 802-496-3294

Patten, Maine
(207) 528-2933

Circle no. 212

Your metal roof need painting?

Here's RAPIDRI®

a new, acrylic, water-based paint that can be applied by spray gun, roller or brush

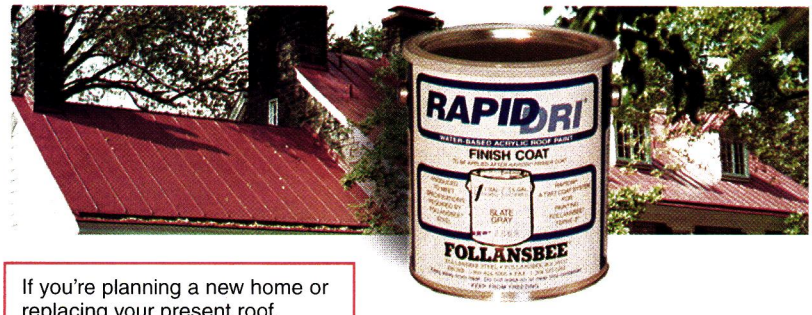
Repainting an old metal roof is never any fun, but Follansbee's new RAPIDRI acrylic, water-based metal roof paint will take most of the hard work out of the job.

First of all, RAPIDRI can be applied by spray gun or roller - no need for a brush - and it dries within a few hours after application. That means your finish coat can be applied the next day.

Best of all, RAPIDRI will protect your roof for many years. Proof of that - it's the same type of paint used to coat metal in heavy industrial areas where the corrosive conditions are severe.

RAPIDRI is available in 12 attractive colors and can be purchased through your local roofing materials distributor or direct from Follansbee.®

Make the job of painting your roof an easier one. Call us toll-free at 1-800-624-6906 and learn more about RAPIDRI.



If you're planning a new home or replacing your present roof, Follansbee's TERNE II® (you may remember it as "the old tin roof") will fit well with your roofing plans. It's charm is ageless, evidenced by its extensive use by architects and builders on modern homes and as a restoration material. The old tin roof has been part of our history since colonial days and TERNE II® carries that tradition into the next century.

For more information, call us toll-free
1-800-624-6906

FOLLANSBEE

FOLLANSBEE STEEL • FOLLANSBEE, WV 26037
FAX 304-527-1269

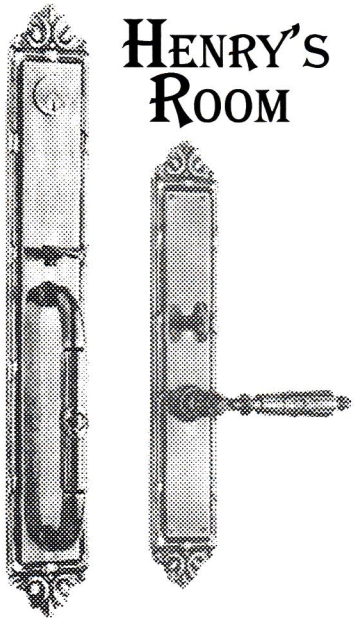
Visit us on the Website:
folrfg.lbcorp.com

Our E-Mail address:
folrfg©lbcorp.com

Circle no. 93

Architectural Hardware

HENRY'S ROOM



H.T.Sales Company
718 Tenth Avenue
New York, NY 10019
1-877-Hardware
EST. 1957
Circle no. 231

Simply Irresistible.

153 Charlestown Road • Claremont, NH • 03743
Phone: 800-999-4994 • Fax: 800-370-1218
http://www.crown-point.com

Allow yourself to be drawn in by the period-styled beauty of flush inset doors and drawers.

Period Styling.

Feel the satisfaction found in the marriage of hand-selected materials and furniture quality construction.

Furniture Quality.

Surrender to the handcrafted custom cabinetry of the finest quality.

Handcrafted.

CROWNPOINT CABINETRY
Period styling.
Handcrafted to the finest quality.

KING'S CHANDELIER

COLOR CATALOG SHOWING OVER 100 CHANDELIERS AND SCONCES - $5

PO BOX 667, DEPT OJ,
EDEN NC 27289
336-623-6188 CRYSTAL@VNET.NET
WWW.CHANDELIER.COM
Circle no. 172

We offer the finest pre-engineered pavilions and garden structures, prefabricated and shipped throughout the United States and internationally. Call for a complete catalog.

DALTON PAVILIONS, INC.
DESIGNERS OF THE FINEST GAZEBOS & GARDEN STRUCTURES
20 COMMERCE DR. TELFORD, PA 18969 TEL 215-721-1492 FAX 721-1501
Circle no. 343

SAVE YOUR ORIGINAL WOOD DETAILS

With Advanced Repair Technology's Wood Repair System
Engineered for the movements of wood

- Out-performs Conventional Epoxy Wood Fillers
- Superior Bonding Strength
- Will not slump or sag
- Designed to remain flexible and resilient
- Will not harden with age
- Requires no fillers or additives

Advanced Repair Technology
Methods and Materials for Building Conservation

P.O. Box 510, Cherry Valley, NY 13320 • 607-264-9040 • www.advancedrepair.com

Circle no. 428

Ole Fashion Things

PLUMBING SUPPLY

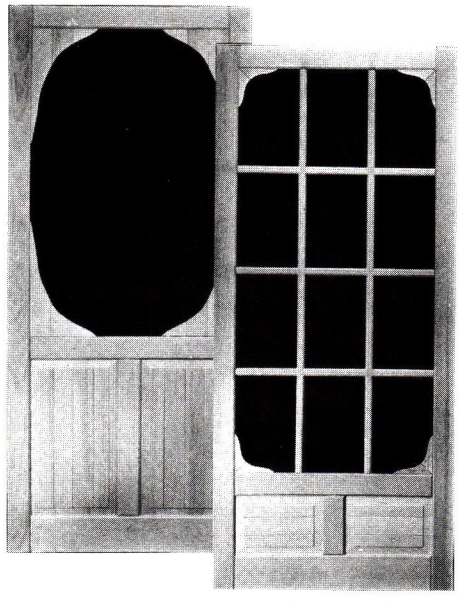
Bath-Shower Enclosures
Tub Faucets & Accessories
Plumbing Hardware for Clawfoot Tubs

Showroom Hours: Tues.-Sat. 10am-6pm CST
402 SW Evangeline Thrwy, Lafayette, LA 70501

Free Catalog 1.888.595.BATH (2284)

Circle no. 433

WOOD SCREEN DOORS



90 STYLES
ANY WOOD
ANY SIZE
ANY COLOR

FREE CATALOG

CIRO C. COPPA

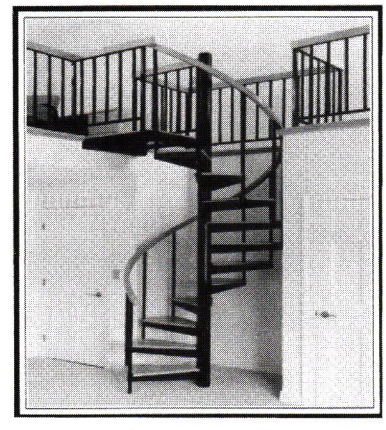
1231 Paraiso Ave.
San Pedro, CA 90731
310/548-4142

Circle no. 137

The Best Value in Spiral Stairs

Buy Factory Direct

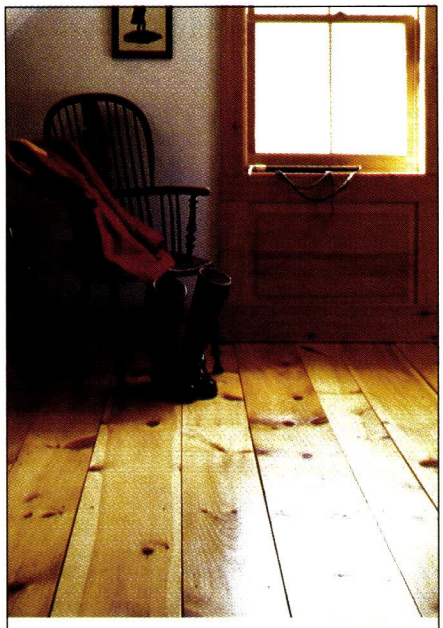
- Job Delivery Coast to Coast
- Save 30% to 50%
- Quick Ship on Stock Stairs
- Free Enclosed Tread Ends
- Diameters 3'6" to 7'
- Oak Treads & Handrail



CALL NOW
FREE BROCHURE
800-368-8280 or 610-631-1360
P.O. Box 183, Eagleville, PA 19408

Salter Industries

Circle no. 193



WIDE PINE FLOORING & HAND-HEWN BEAMS

BROAD-AXE BEAM Co.
1320 Lee Rd., Guilford, VT 05301
www.broad-axebeam.com
802·257·0064

Circle no. 320

Simply Delicious.

Premium material selection.
Full custom flexibility.
Furniture quality construction.

Fine Quality.

Custom cabinetry so tempting,
it's hard to resist.

Beautiful.

Top it off with Genuine
Old Fashioned Milk Paint.
Like frosting on a cake.

Milk Paint.

153 Charlestown Road • Claremont, NH • 03743
Phone: 800-999-4994 • Fax: 800-370-1218
http://www.crown-point.com

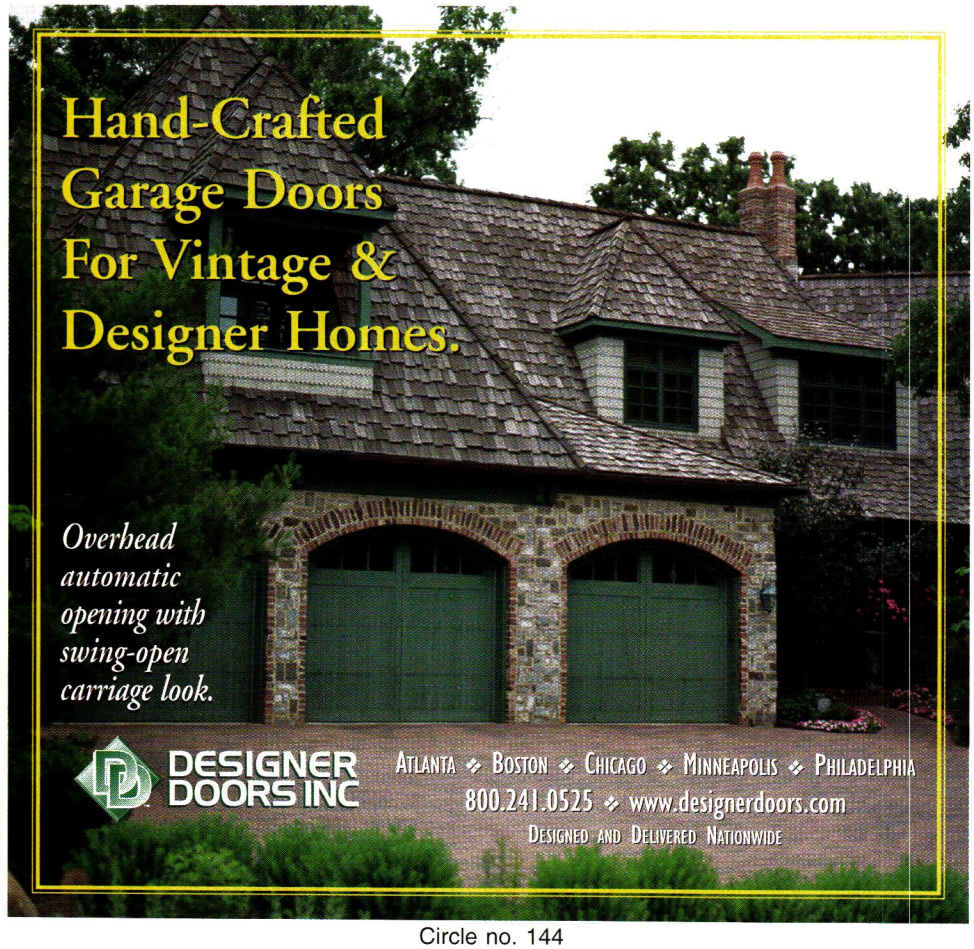
CROWNPOINT CABINETRY
Period styling.
Handcrafted to the finest quality.

California Arts & Crafts Tiles ■ Art Deco Tiles ■ Victorian Transfer Tiles in the Anglo-Japanese Style ■ Persian Revival Tiles ■ Art Nouveau Tiles ■ Victorian Foliate Tiles ■ William DeMorgan Style Tiles ■ Period Pavements ■ Spring Garden Tiles

Custom Ceramic Tiles & Murals
Historic Reproductions ■ Traditional Patterns
Coordinated borders ■ Quadrats ■ Corner blocks

Designs In Tile
Box 358 ◆ Dept J ◆ Mt Shasta ◆ CA ◆ 96067
530/926-2629 Color Brochure $3.
www.designsintile.com
Country Tiles ■ Custom Murals ■ Folk Tiles

Circle no. 145



Circle no. 144

Vixen Hill Shutters
Standing the Test of Time.

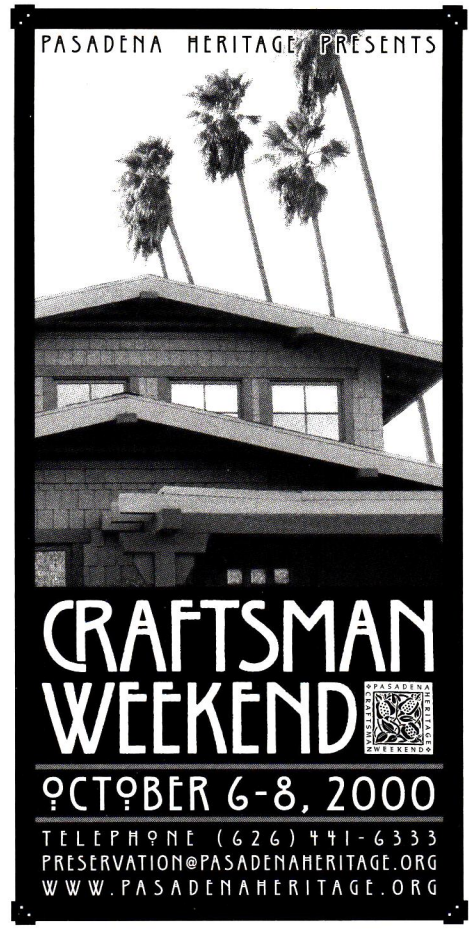
- Mortise & Tenon Construction
- Fine Grained Western Red Cedar
- Forged & Wrought Iron Hardware
- Decorative Panel Cut-Outs 10+ Styles
- Overlap Edge Rabbeting
- 18 Standard Styles Plus...
  Board & Batten and Arch Top
- Custom Rail Locations
- Copper or Aluminum Capping
- All Factory Direct Orders

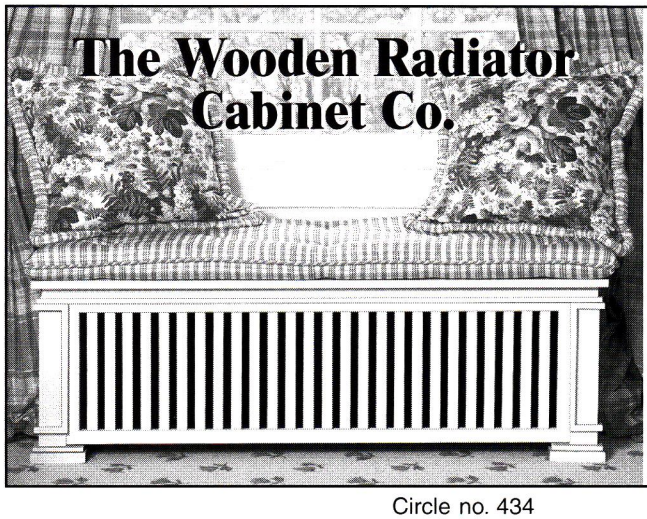
Call for your catalog. 800•423•2766

Vixen Hill • Dept # OHJ0 Main Street Ekerson, Pa. 19520

www.VixenHill.com

Circle no. 109





Elegant, Affordable, Heat-Efficient Wooden Radiator Cabinets. Hand-Crafted by Mennonite Cabinet-Makers!

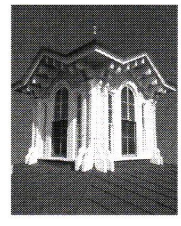
For a FREE brochure, call us at

800-817-9110

Circle no. 434

TIN ROOF RESTORATION

The Space Age Solution for Weatherproofing Historic Roofs



Acrymax® Coatings and Systems help you restore, beautify, and protect a variety of historic roof types, as well as masonry and stucco walls. A long-lasting, environmentally safer alternative to other systems. Acrymax systems are easy to apply and come in a variety of colors. Call today for a free brochure on the Acrylic system tough enough to stop leaks cold.

PRESERVATION PRODUCTS, INC.
Protecting America's heritage, one landmark at a time.

1-800-553-0523
221 Brooke Street • Media, PA 19063
610-565-5755 • Fax: 610-891-0834
www.preservationproducts.com

Circle no. 185

CLASSIC GUTTER SYSTEMS

For all your half-round needs
- Up to 26' shipped nationally
- Buy direct
- Heavy duty copper & aluminum

5 styles of cast facia brackets

Ph. (616) 382-2700 • Fax. (616) 343-3141
P.O. Box 2319 • Kalamazoo, MI 49003
www.classicgutters.com

Before You Consider Custom, Consider Country Curtains!

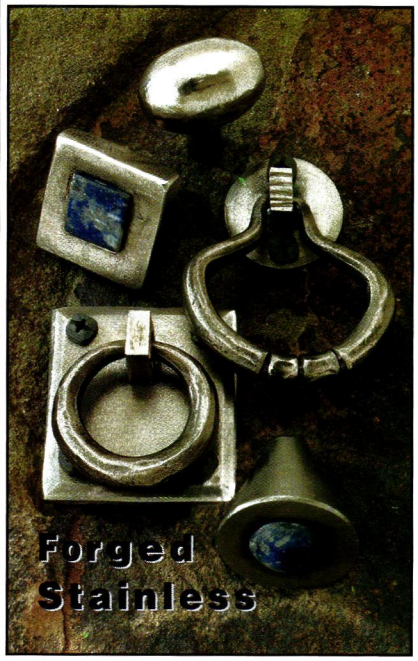
COUNTRY CURTAINS.

FREE COLOR CATALOG
1-800-876-6123
Ask for Dept. 27500

Hundreds of ready-made curtain styles, fabrics and colors to choose from ... plus a great selection of custom shades! Shop at home and enjoy the convenience of buying by mail or phone.

COUNTRY CURTAINS®
Dept. 27500, Stockbridge, MA 01262
www.sendcatalog.com (Dept. 27500)

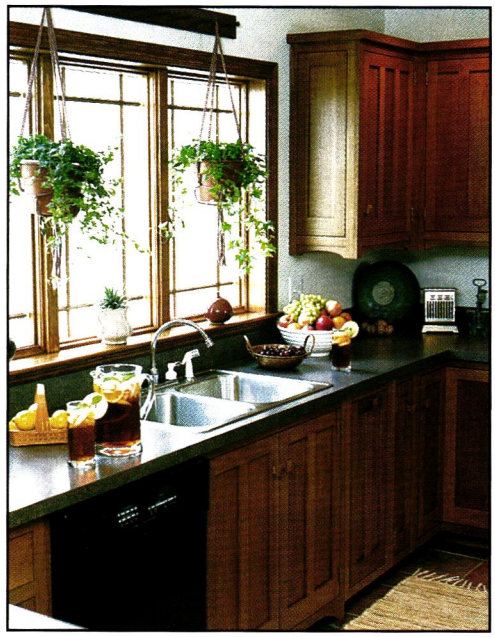
ACORN
Forged Iron



Exclusively by **ACORN**
P.O. Box 31
Mansfield, MA 02048
800-835-0121

Circle no. 112

Simply Well Done.



153 Charlestown Road • Claremont, NH • 03743
Phone: 800-999-4994 • Fax: 800-370-1218
http://www.crown-point.com

Arts & Crafts styling.
Mission Light Rails. Flush inset Craftsman doors.

Arts & Crafts.

Quartersawn White Oak.
Satin finish. All-wood construction.

Furniture Quality.

Handcrafted. Full custom.
The finest quality.

Full custom.

CROWNPOINT CABINETRY
Period styling.
Handcrafted to the finest quality.

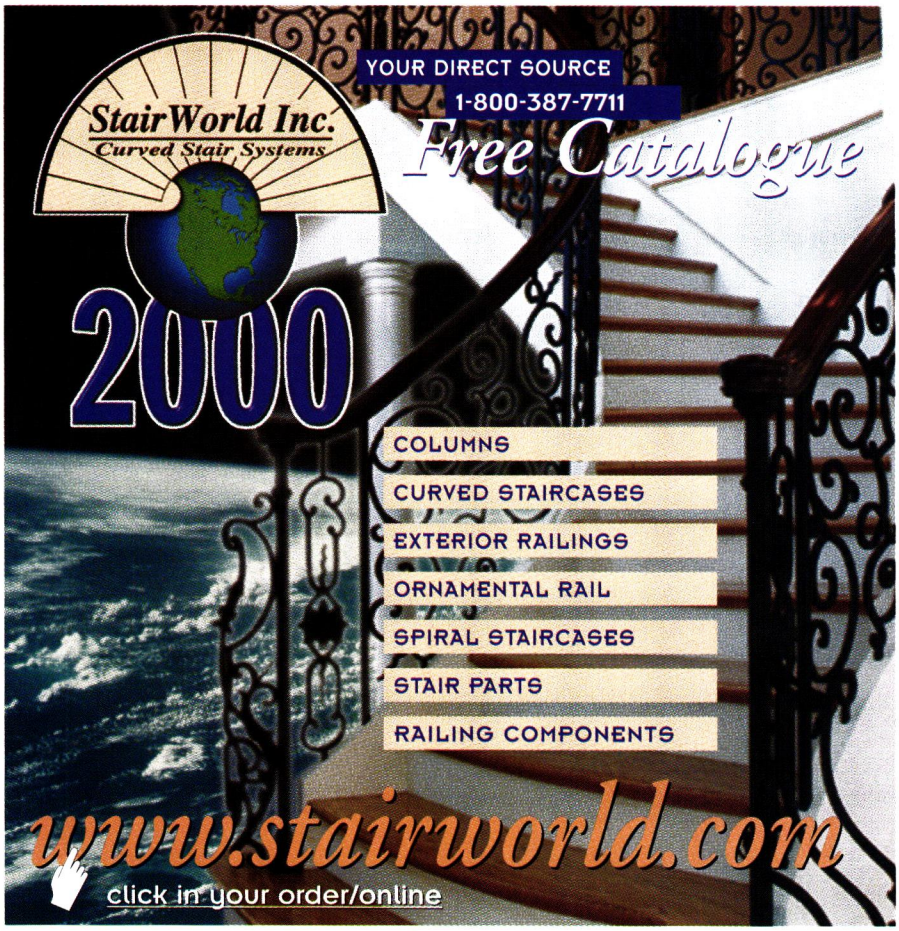
DECKorators™

Enjoy the nostalgic look and charm of wrought iron without the high cost. DECKorators produces maintenance-free balusters designed to replace plain-looking wood 2x2s. Each baluster retails for about the same cost as a 2x2. Additional accessories are available. All products are aluminum and come in four stylish baked-on colors.

1-888-662-DECK
www.deckorators.com

Circle no. 398

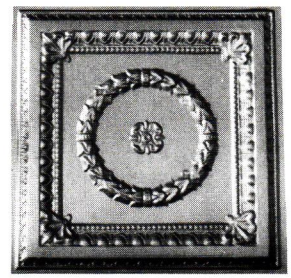
Circle no. 318



Circle no. 198

CEILINGS PLUS™

The Elegance and Beauty of Yesterday for Today!

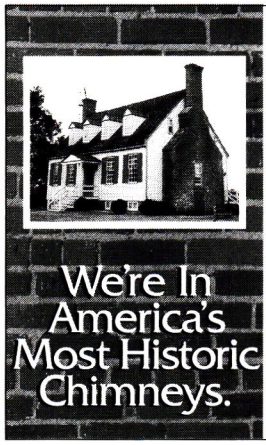


Exact replicas of the beautiful old tin ceilings are now available in durable, lightweight, high impact polymer plastic. They are easy to install, paintable and washable. Available in fire-rated materials and colors. Several patterns from which to choose. Please write or call:

Snelling's Thermo-Vac INC.

P.O. Box 210, Blanchard, LA 71009
Office (318) 929-7398
FAX (318) 929-3923
Website: www.ceilings-plus.com

Circle no. 448



NOT ALL CHIMNEY LINERS ARE CREATED EQUAL.

Home restoration experts know the difficulties involved in making old chimneys into safe and structurally sound chimneys, while maintaining their historic integrity.

That's why more and more people are calling on GOLDEN FLUE. We're the cast-in-place masonry liner experts with America's most fire retardant chimney lining mixture.

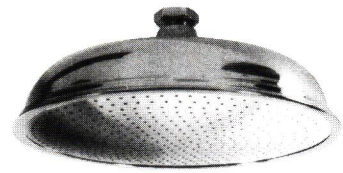
Poured and hardened right in the chimney, GOLDEN FLUE even increases the strength of the original structure.

Before you settle for a stainless steel liner, tile liner, or GOLDEN FLUE "look-a-like" call the experts who started it all for a free brochure and the name of an authorized GOLDEN FLUE dealer in your area.

GOLDEN FLUE
The Cure for the Flue

Call For A FREE Brochure Today. 800-446-5354

ANTIQUE REPRODUCTION SHOWERHEAD



12-Inch Diameter

The most luxurious and soothing shower imaginable will be yours with this decorative 12-inch diameter Country French-style showerhead. A unique self-contained reservoir neutralizes outlet water pressure and lets water fall rain-gentle through more than 450 openings in a pattern large enough to cover your entire body. The sensation can only be described as "incredible". Available in either polished brass or chrome reservoir with stainless faces. Installs to standard 1/2" piping quickly and easily with J. B. Adapter.

JB Products, Inc. 500 Oakwood Rd., Lake Zurich, IL 60047 (847) 438-4141

JB Products is a division of Arrow Pneumatics, Inc.

OLDHOUSE JOURNAL

The original historic home renovation resource.

Every issue delivers detailed, accurate how-to information, restoration and renovation products, creative period decorating ideas and imaginative solutions to difficult projects.

Call 1.800.234.3797

to start your subscription to OLD-HOUSE JOURNAL.

www.oldhousejournal.com

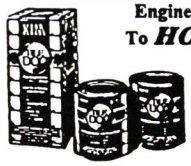
Copper & Brass
Restoration and Protection
XIM Copper DOC®

Unique 3-Step System

Stop The Endless Cleaning And Polishing!

Restore Once - Protect Forever!

Porcelain & Tile
Refinishing
XIM Tile DOC®



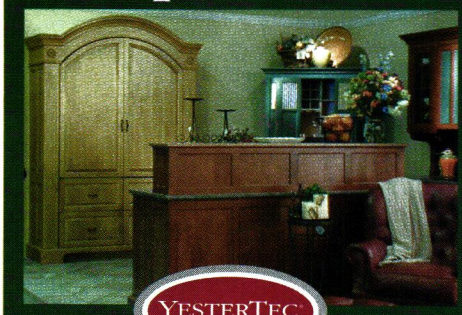
Engineered Finish Holds Up To *HOT* Water. For Tubs, Sinks, Showers. Unique 2-Part Epoxy Acrylic Blended Holds Color Longer.

Don't Replace - Just Refinish! Saves Thousands of $

See us on the Web at (ximbonder.com)
Products available at many local paint stores or order directly from Top Gun Distribution (topgundistribution.com) or call XIM Direct at (800) 262-8469

Circle no. 218

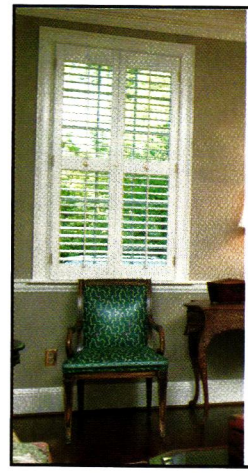
A Simple Idea... An Exciting Discovery!



Discover how *furniture* instead of cabinetry can create the ultimate kitchen that is also a beautiful, multi-functional living *room!* Discover YesterTec's Kitchen Workstation Furniture, a beautiful, classically styled collection of hard working, heirloom quality pieces of furniture for the kitchen. What's the difference? It's *space!* Fill the spaces between each *separate* piece with personal treasures, or add more light with full height windows, just like in your other rooms! Experience the enhanced efficiency of our deep countertops and storage systems! This innovative kitchen features our patented U.L. Listed Workstations that safely and conveniently conceal an oven, a microwave, a refrigerator, and a standard dishwasher. *No other company does what we do!* Use our extensive catalog to create *beautiful* furniture for the kitchen of your dreams. The possibilities are endless! Shipped Nationwide. Complimentary Brochure.
610-838-1194 www.yestertec.com

YESTERTEC KITCHEN WORKS

Inspired by the Ages *Innovative for Our Time*



***Authentic* 18th CENTURY WOODEN BLINDS**

New England Raised Panel Shutters

Operable Louver Shutters

FREE BROCHURE CUSTOM MANUFACTURE

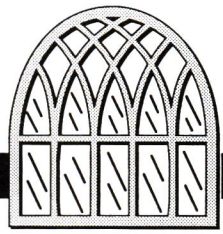
AMERICANA

2688 E. Ponce De Leon Ave
Decatur, Georgia 30030 6/00/OHJ

www.shutterblinds.com

1-800-269-5697

Circle no. 146



ADAMS
ARCHITECTURAL WOOD PRODUCTS

Traditional Storms, Screens and Sash; Mortise and Tenon—no finger jointing.

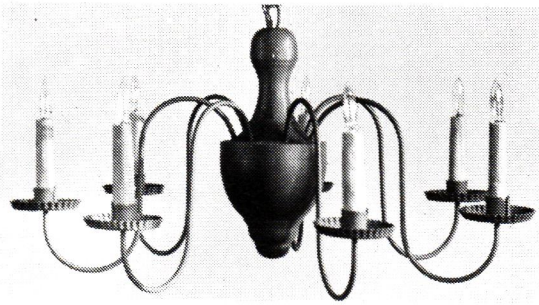
Individually handcrafted to your specifications.
Quick turnaround. Cost?
Less than you think.

Call **1-888-285-8120** to speak with one of our specialists.

300 Trails Road, Eldridge, IA 52748
www.adamsarch.com • fax 319-285-8003
Formerly Midwest Architectural Wood Products LTD.

Circle no. 176

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 Silvermine • Dept OHJ
Norwalk, CT 06850
Tel. (203) 847-3231

Circle no. 155

Enrich Your Home With Quality Grilles & Registers

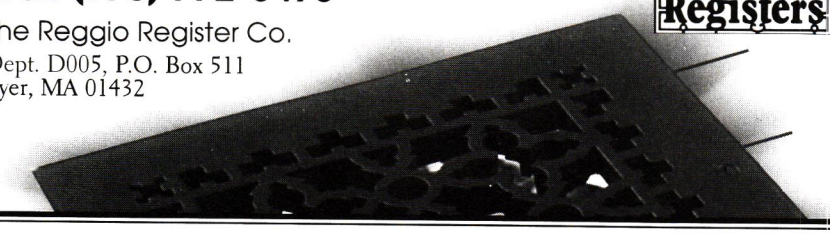
Cast Iron • Cast Brass • Cast Aluminum • Wood

Over 200 Sizes & Styles in Stock • 44 Page Color Catalog $1

Call (978) 772-3493

The Reggio Register Co.
Dept. D005, P.O. Box 511
Ayer, MA 01432

Reggio Registers



Circle no. 189

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

Circle no. 211

The WoodFactory

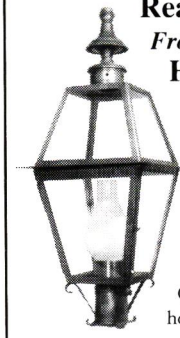
Authentic Victorian Millworks

111 Railroad St., Dept. OHJ
Navasota, TX 77868
936-825-7233

Moldings • Screen Doors • Porch Parts
Custom Woodwork • Ornamental Trim

Send $2.00 for a Catalog

Fine American Lighting
Real American Value
From Lighting by Hammerworks



Lanterns, Sconces, Chandeliers, and Hand-Forged Hardware

Send $5 for two full color catalogs and discover how you can enjoy the beauty and quality of our Colonial lighting in your home to:

Lighting by Hammerworks
6 Freemont Street, Dept. OHJ, Worcester, MA 01603, 508-755-3434
118 Main Street, Dept. OHJ, Meredith, NH 603-279-7352
http://www.hammerworks.com

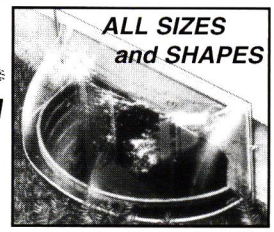
The YORK STAIR

For Full Descriptive Information write:
York Spiral Stair
Dept. CT
No. Vassalboro, ME 04952
(207) 872-5558

800-996-5558
www.yorkspiralstair.com

Circle no. 454

www.windowbubble.com



WINDOW BUBBLE

BUILT TO YOUR WELL MEASUREMENTS

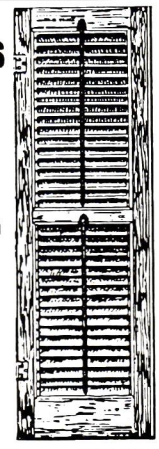
A complete line of covers for metal or masonry basement window wells. Insulate and protect with extra thick clear, rigid Plexiglas. For measuring instructions and brochure: **DILWORTH MFG. CO.** Box 158, Dept. J10-9, Honey Brook, PA 19344-0158
PHONE 717-354-8956 FAX 717-355-0511

Custom Shutters

Interior and Exterior
Wholesale to the Public

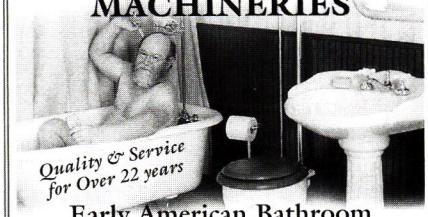
2 1/2" Moveable louver, raised panel and fixed louver shutters. Custom finished or unfinished. Complete selection of hardware.

$2.00 brochure



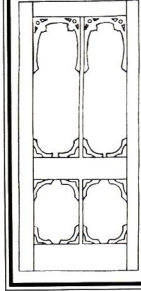
Shutter Depot
RT.2 Box 157
GREENVILLE, GA 30222
706 • 672 • 1214

BATHROOM MACHINERIES



Early American Bathroom
FIXTURES & ACCESSORIES
Brass Hardware • Hard-To-Find Parts
209-728-2031 • Tom@dcabath.com
495 Main St., Dept OHJ • Murphys, CA 95247
send $3 for 56 page color catalog

We Manufacture a Full Line of Custom-Made Victorian Screen and Storm Doors



At Victoriana East, each door we make is made to enhance the entry door behind it. You can choose from one of our many styles, or design your own unique door.

Victoriana EAST

CATALOGUE & NEWSLETTER $3.00
20 W. Nicholson Rd. Audubon, NJ 08106
856-546-1882 856-546-1883 (fax)
WWW.VICTORIANAEAST.COM

Antique Wide Plank Flooring

Heart Pine
Eastern White Pine
Red Pine
Chestnut
Oak

New Plank Flooring
Ash, Maple, Oak, Cherry, Eastern White Pine

Antique & Reproduction Beams & Timber Frames
Hand-hewn, Rough-sawn & Planed Surfaces
Mortise & Tenon, Dovetail Joinery

Architectural Timber & Millwork

49 Mt. Warner Road
P.O. Box 719, Hadley, MA 01035
FAX 413.586.3046
800.430.5473

Circle no. 119

381

RECYCLING THE PAST

Architectural Antiques for Home & Garden

Fireplace Mantels
Doors & Windows

Unique Garden Ornaments

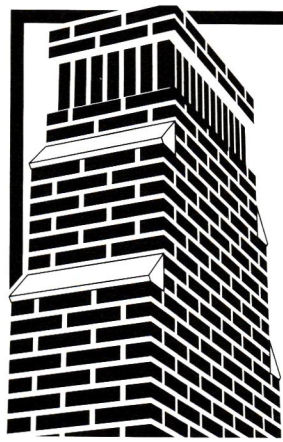
Iron Gates & Fencing

Kitchen & Bath
Fixtures • Sinks • Tubs

Building Materials

381 N. Main Street, Barnegat, NJ 08005
1.800.948.9998
www.recyclingthepast.com

Circle no. 405

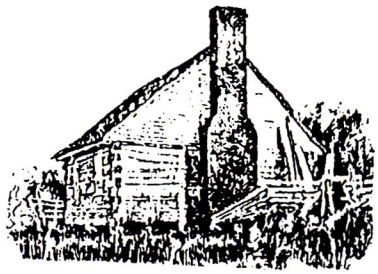


HOMESAVER® CHIMNEY LINERS

FOR RESTORING GREAT OLD CHIMNEYS IN GREAT OLD HOMES

New life for gas, oil, and woodburning chimneys. Our UL Listed, flexible, stainless steel liners are unsurpassed in strength and protection. Call or write for a **free** brochure and the name of an installer in your area. **(800) 437-6685.**

HomeSaver Chimney Liners • P.O. Box 664, Fairfield, IA 52556
www.homesaver.com



Antique Flooring... and other 18th & 19th century building materials salvaged from old houses, grist mills and barns; plus...

Resawn Long Leaf Yellow Pine & Oak Random Width Flooring up to 13"

Sylvan Brandt

www.sylvanbrandt.com

651 East Main St., Lititz, PA 17543
(717) 626-4520
Fax: (717) 626-5867

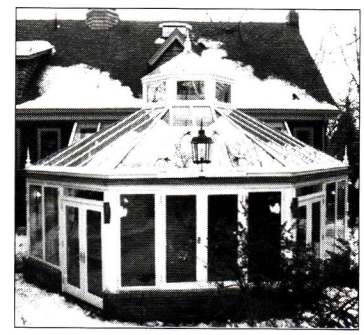
Circle no. 113

Glass House

Designers and Fabricators of:

- *Traditional Conservatories*
- *Solariums*
- *Specialty Skylights*

Quality Made in the USA



Far Hills, NJ
Pomfret, CT

1-800-222-3065

(860) 974-1665
FAX: (860) 974-1173

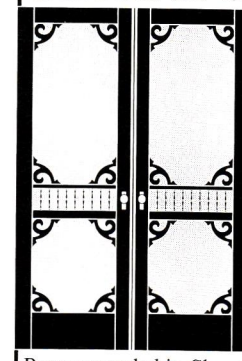
Circle no. 445

OLDHOUSE JOURNAL

The Original

Call 1.800.234.3797
to start your subscription to
OLD-HOUSE JOURNAL.
www.oldhousejournal.com

Screen & Storm Doors



- Mahogany
- Custom sizes
- Tempered glass
- 55 styles

Send $3 for our catalog

Touchstone Woodworks
PO Box 112
Dept OHJC
Ravenna OH 44266

(330) 297-1313

Recommended in *Shop Talk, The Boston Globe!*

Hardware Restoration

Brass, Bronze, Nickel, Pewter

We are specialists in the restoration of antique metal hardware including doorknobs, backplates, hinges, window pulls and locks, lighting fixtures, and other decorative pieces.

A Bar Wilmette Platers
Over 60 years experience in restoring antique metal.
Send us your hardware for free estimate.

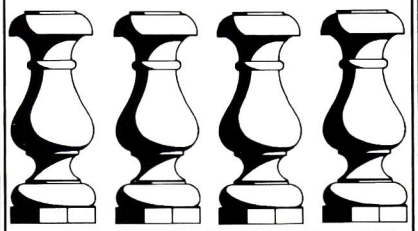
127 Green Bay Road
Wilmette, Illinois 60091
847.251.0187
FAX 847.251.0281

Circle no. 114

CUSTOM WOOD TURNINGS LLC

- **Hand rail & fittings**
- **Balusters**
- **Newel posts**
- **Porch posts**
- **Columns**
- **Fluting**
- **Spiral rope twist**
- **Finials**
- **Furniture parts**

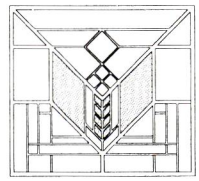
No minimum order
Ship nationwide
Send $5.50 for catalog



156 Main St., P.O. Box 338, Dept JHO
Ivoryton, CT 06442
(860) 767-3236 Fax (860) 767-3238

Circle no. 142

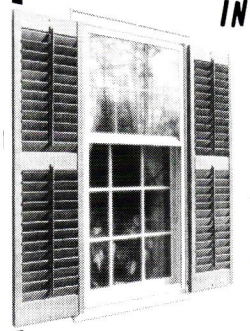
Prairie Style Glass Patterns
Windows and Lamps
from the houses of Frank Lloyd Wright



catalog $2.00

Prairie Designs of California
Box 886 Brisbane, CA 94005
phone:415-468-5319 fax:415-468-6634
email:prairiedesigns@att.net

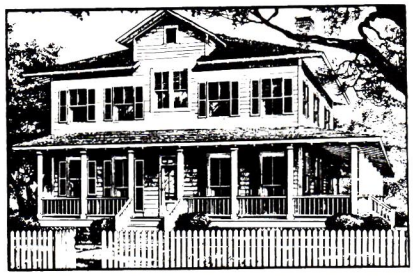
EXTERIOR SHUTTERS IN CEDAR



Shipped Anywhere
Moveable Louvers, fixed louvers or raised panel.
Custom curved tops.
Unfinished or painted in your brand & color.
Interior Plantations in 2⅜" and 3½" louvers.
Hinges and Holdbacks.

Brochures/Prices, call or write:
SHUTTERCRAFT, 282 Stepstone Hill
Guilford, CT 06437 **(203) 453-1973**

New Houses That Look Old!



The Parkersville Collection, award winning designs from a National Historic District, has been featured in *Better Homes & Gardens* and *Builder Magazine*. It has received the prestigious Design for Better Living Award from the American Wood Council and a Design Merit Award from the American Institute of Architects. Traditionally styled, comfortable floor plans range from 1260 to 3760 square feet. AIA architecturally drafted, builder tested, construction drawings are available. Write or call for our 36 page booklet for just $16. Visa and MasterCard accepted.

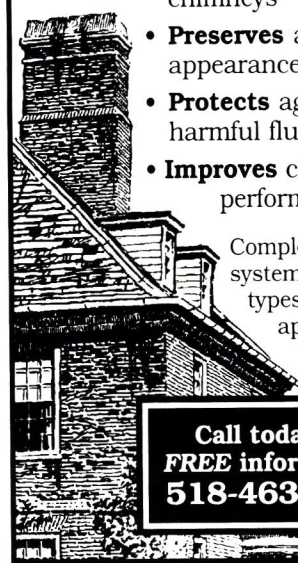
The Parkersville Collection
P.O. Box 4633
Whitefish, MT 59937
(800) 383-2677

Circle no. 261

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

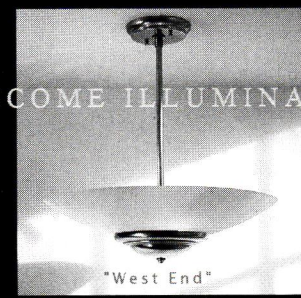
ProTech Systems, Inc.
26 Gansevoort St., Albany, NY 12202
Leaders In Chimney Technology

Circle no. 187

The Brickyard
P.O. Box A
Harrisonville, MO 64701
816-380-3366
Ask for Kevin

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.

888.605.8243 fax 609.397.3889



www.lucidlighting.com

Aluminum Lighting & Mailboxes

Great Prices & Selection
Quality Products!

8'6" Tall
$298
Mailboxes
Bevel glass wall lamps
8'0" Tall
$198

Brandon Industries
1601 Wilmeth Rd. Dept. OHJ
McKinney, TX 75069-8250
(972) 542-3000
Call or Write for Free Brochure!

THE LONDON BED COMPANY
A DIVISION OF CHELTENHAM, LTD.

Authentic Victorian style brass and iron beds. Handcrafted entirely in England with old world techniques. Exceptional quality, present-day heirlooms. Buy importer direct and save.

Twin, Full, Queen & King sizes
Toll Free Phone/Fax: 1-877-722-5049
FREE Full-Color Brochure
1112 Riverside Dr., Palmetto, FL 34221

ALL STEEL RADIATOR ENCLOSURES

FOR HOMES, OFFICES, CHURCHES, INSTITUTIONS

FROM THIS TO THIS

FROM $24.10

BUY FACTORY DIRECT & SAVE • EASY TO ASSEMBLE
MANY STYLES & COLORS • BAKED ENAMEL FINISH
Send $1.00 for Brochures. Refundable with Order.

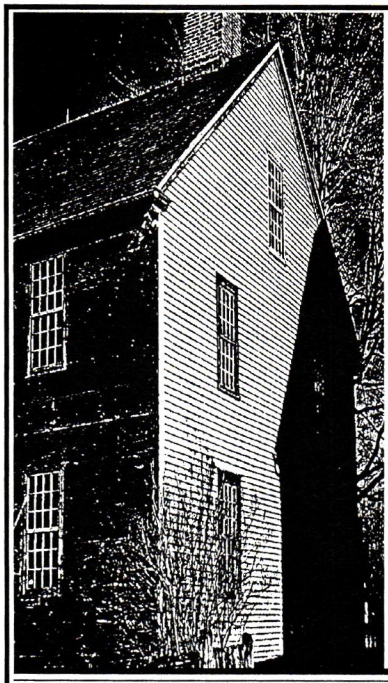
MONARCH Dept OHJ
P.O. Box 326, 111 Kero Rd.
Carlstadt, N.J. 07072 (201) 507-5551

Authentic Antique Hardware

- One of a Kind
- No Reproduction
- Door Hardware
- Furniture Hardware
- Door Knockers
- Curtain Tie-backs
- Twist Bells

Eugenia's

5370-72 Peachtree Road, Chamblee, GA 30341
800-337-1677 / Bus. (770) 458-1677 / Fax (770) 458-5966
Eugeniashardware@mindspring.com CATALOG $1



Quartersawn Clapboard Siding
and Building Materials

Including Wide Pine and Hardwood Floooring

Quartersawing
produces a vertical grain clapboard:
- Twists and warps less
- Wears more evenly
- Bonds paint and stain better

Also featuring...

Cabots Factory Finish™
Exterior Pre-Finish for all types of wood siding. Allows priming or finishing prior to installation
with 15 year warranty:
- Crack, peel and flake resistant
- Washable and non-yellowing
- No chalk washdown
- Paint film will not erode

Granville Manufacturing Company Inc.
• Established 1857 •
PO Box 15 Granville, Vermont 05747
Call, write or fax for Free Brochure
Tel: 802-767-4747 • Fax: 802-767-3107
E-Mail: woodsiding@madriver.com **Web Site:** www.woodsiding.com

Circle no. 162

PINCH OF THE PAST
Antiques & Architecturals

SPECIALIZES IN ARCHITECTURAL ANTIQUES, HARDWARE, LIGHTING & IRONWORKS • DOORS, MANTLES, GATES, WINDOWS, GARDEN PIECES, PLUMBING FIXTURES & COLUMNS • RESTORATION OF LIGHTING, HARDWARE, METALS & ANTIQUES • CATALOGUE LINE OF REPLICA IRON, CONCRETE, PLASTER & HARDWARE ITEMS AVAILABLE

109 W. BROUGHTON ST. • SAVANNAH, GA 31401
PHONE / FAX (912) 232-5563 **www.pinchofthepast.com**

Circle no. 432

aa-abbingdon affiliates, inc.
Dept. OHJ-HP 2149 Utica Ave. Bklyn NY 11234 718-258-8333 • Fax: 718-338-2739 • www.abbingdon.com

Circle no. 111

REMUDDLING

Opinion

OPEN WIDE and say "ah." This little procedure shouldn't take long. Just relax while the building dentist pries open your low sloping bungalow roof and fills in the gap with two shiny new rows of glass dentures. Funny, the neighboring house (at right) seems to look architecturally toothsome without any surgery at all.

WIN FAME AND $100.

If you spot a classic example of remuddling, send us clear color prints. We'll award you $100 if your photos are selected. The message is more dramatic if you send along a picture of a similar unremuddled building. (Original photography only, please; no clippings.) Remuddling Editor, Old-House Journal, 2 Main Street, Gloucester, MA 01930.

Old-House Journal [ISSN 0094-0178] VOL.XXVIII, NO. 3 is published bimonthly for $27 per year by Hanley-Wood, LLC, One Thomas Circle, NW, Suite 600, Washington, DC 20005. Telephone (202) 452-0800. Subscriptions in Canada $35 per year, payable in U.S. funds. Periodicals postage paid at Washington D.C. and at additional entries. Postmaster: Send address changes to *Old-House Journal*, P.O. Box 420235, Palm Coast, FL 32142-0235.

The Windows that Open Minds.

When you're trying to realize a vision, sometimes you have to look beyond the expected.

Silver Line makes high-style, solid vinyl windows with a multitude of design innovations. Compared to wood, they're less work to maintain and easier on the budget. An incredible variety of sizes, shapes and options help make Silver Line windows true building blocks for the imagination.

The best thing about selling or installing Silver Line windows is knowing that their quality will stand the test of time. Our QC and testing are so rigorous, you can be sure our windows will stand up to almost anything Mother Nature throws at them. In fact, we back every window with a lifetime warranty. For either new construction or replacement, Silver Line windows are always the best value. So the only customer call-backs you'll have will be for more windows.

With Silver Line, there is no limit to the exciting ways you can help your customers see the forest beyond the trees. Want to know more? Just ask us. **Visit us at www.silverlinewindow.com, or call toll-free 800-234-4228.**

Silver Line

Good As Gold

Silver LINE WINDOWS

Circle no. 241

"The Pursuit of Perfection, then, is the Pursuit of Sweetness & Light."

Matthew Arnold

We build authentically re-created lighting for period homes. Authentic details. Authentic materials. No shortcuts. Late Victorian. Arts & Crafts. Colonial Revival. Neoclassic. Art Deco. Atomic Age. Affordable fixtures finished and tailored to your specifications. Since 1977. Request our FREE 88-page catalogue.

REJUVENATION®

LAMP & FIXTURE CO.

2550 N.W. Nicolai Street, Portland, Oregon 97210

Toll-free: 1-888-3-GETLIT (888-343-8548) • www.rejuvenation.com

Circle no. 105