

Clem Labine's

TRADITIONAL BUILDING

Historical Products For Today's Professional

M A Y / J U N E 1 9 9 1 V O L . 4 / N O . 3 \$ 3 . 0 0

Inside This Issue

- Interior Molded Ornament .7
- Traditional Roofing21
- Architectural Carvings ...31
- Cupolas & Steeples39
- Weathervanes & Finials ...45

REHABILITATE & REFINISH
FORGED IRON, ZINC CLAD
WEATHERVANE IN 23
KARAT GOLD LEAF.

CARVED WOOD OR SPUN
COPPER FINIAL

MORTISE & TENON TIM-
BER FRAME BELFRY & SPIRE
STRUCTURE IN WHITE
OAK OR STEEL TO
MATCH ORIGINAL

REPLACE SPIRE & BEL-
FRY FASCIA MOULDINGS
& BRACKETS W/CHVG
RED WOOD & STAINLESS
FASTENERS. 2 COATS
ALKYD PAINT.

16 OZ. LEADED COPPER,
STANDING SEAM, SKIRTS
& DECKS

REHABILITATE BELL CARR-
IAGE & BELL WHEEL IN
WHITE OAK. REPAIR BEAR-
INGS. REHAB BELL YOKE
W/EPOXY SATURATES

MATCH LINE

REBUILD CLOCK MECH-
ANISM. REBUILD HANDS
IN RED WOOD & GOLD LEAF.
NUMERALS IN 20 OZ LEAD-
ED COPPER & GOLD LEAF

REPAIR MOULDINGS &
BRACKETS ELSEWHERE
AS NEEDED

GENERAL NOTES

MATCH EXACTLY ALL
SIZES & PROFILES
OF ORIGINAL BELFRY
& SPIRE.

ALL WORK ON SPIRE
& BELFRY TO BE DONE
IN SHOP. REMOVE FROM
BELL DECK UP. TAKE
3 DIMENSIONAL TEM-
PLATE TO FIT STRUC-
TURE TO EXISTING.

Bulk Rate
U.S. Postage
PAID
Permit No. 1
Manchester, N.H.

Traditional Building
69A Seventh Avenue, Brooklyn, N.Y. 11217

Address correction requested.

04/01/99
Merle Easton
Alameda County Public Works
1132 Broderick Street
San Francisco CA 94115

CONTENTS

All editorial and advertising material in Traditional Building is organized according to the industry-standard MASTERFORMAT divisions published by the Construction Specifications Institute (CSI).

SPECIAL FEATURES

Profile: Restoration Engineering ...	4
Interior Moldings.....	7
Traditional Roofing	21
Architectural Carvings	31
Cupolas & Steeples.....	39
Weather vanes & Finials.....	45
Product Literature	50
Siegel's Scratchboard	51

Division 4 MASONRY



RELATED PRODUCT ADVERTISING

Ahren's Chimney Technique	5
Brickyard	5
National Supaflu Systems	5
Protech Systems	5

Division 5 METALS



RELATED PRODUCT ADVERTISING

Iron Shop	5
Steptoe & Wife	5

Division 6 WOOD & PLASTICS



SPECIAL REPORT: INTERIOR MOLDINGS

IN THE NEWS

INTERIOR MOLDINGS REVIEW	7
MOLDINGS SOURCELIST	10, 12, 14
MOLDINGS PORTFOLIO	16, 18

RELATED PRODUCT ADVERTISING

Abatron	20
Above View, Inc.	14
Architectural Conservation	9
Architectural Reproductions	14
Architectural Sculpture	7
Aristocast Originals	9
Art Home Studios	9
Ball Consulting	15
Bauer Casting Design	8
Beech River Mill Co.	6
Boston Turning Works	19
Cameron Noriega	7
Chadsworth, Inc.	20
Classic Carvings	19
Conservation Services	6
Craftsman Lumber	5
Cross Industries	6
Cumberland Woodcraft	17
Decorators Supply Corp.	8
DHM Cabinet Makers	19
Durable Goods	6
Felber Studios	15
Fischer & Jirouch Co.	8
Freedman Studios	19
Giannetti Studios, Inc.	15
Goodwin Lumber Co.	19
Hoboken Brownstone Co.	19
Kenmore	20
Kreider Brothers	6
Mangione Plastering	19
Maple Grove Restorations	20
Maurer & Shepherd Joiners	5
Molloy & Associates	17
Musgrove Designs	17
National Decks, Inc.	19
Northfield Restorations	6
Nostalgia Architectural Antiques	11
Palos Sculpture Studios	7
Partelow Wood Turnings	5
Perma Life, Inc.	19
Polytek Development Corp.	19
PRG, Inc.	15
Rocca Noto Sculpture Studio	9
Royal American Wallcraft	13
Shuttercraft	6
Stairways, Inc.	6
Tessera Studio	15
Towne House Restorations	19
Vixen Hill Shutters	6
Weaver Company	17
Wood Factory	20
Worthington Group	9

Division 7 MOISTURE PROTECTION



SPECIAL REPORT: TRADITIONAL ROOFING

IN THE NEWS

ROOFING REVIEW	21
ROOFING SOURCELIST	22, 24
ROOFING PORTFOLIO	26

RELATED PRODUCT ADVERTISING

Bellvale Roofing Slate	27
Berger Building Products	23
Conklin Metal Industries	27
Evergreen Slate Co.	28
FibreCem Corp.	25
Granville Manufacturing Co.	19
Hilltop Slate, Inc.	28
Liberty Cedar	25
Midland Engineering Co.	20
Monier Roof Tiles	28
Raleigh, Inc.	25
Richmond Precast Concrete Products	27
Rogers Roofing Co.	23
Roof Center Inc.	23
South Coast Shingle Co.	20
Thermo Materials Corp.	21
TileSearch	23
Vande Hey Raleigh	23
Vermont Structural Slate	20
W.F. Norman Co.	25
Ward Clapboard Mill	25

Division 8 DOORS & WINDOWS



RELATED PRODUCT ADVERTISING

Allied Windows	29
Ball & Ball Hardware	52
Bathroom Machineries	28
Drums Sash & Door Co.	29
Hope's Landmark Windows	28
Maguire Iron	29
Midwest Architectural Wood Products	29
Schlemowitz, Inc.	28
Specialty Glazing & Supply	29
Woodstone Co.	28

CONTENTS

Division 9 FINISHES



SPECIAL REPORT: ARCHITECTURAL CARVINGS

CARVINGS REVIEW31
CARVINGS SOURCELIST32, 34
CARVINGS PORTFOLIO36

RELATED PRODUCT ADVERTISING

Agrell & Thorpe35
Architectural Paneling37
Architectural Refinishing29
Architectural Sculpting30
Bendix30
Bradbury & Bradbury30
Chestnut Specialties29
Creative Sculpture Design29
Draper & Draper, Ltd.35
Fe Fi Faux29
Gest Restorations, Inc.31
J. R. Burrows & Co.29
Jack Wallis' Doors30
The Joinery30
Klitsas Wood Sculpture37
Larkin Company37
Palos Sculpture Studios38
Pietra Dura, Inc.30
Raymond Enkeboll Designs33
Readybuilt Products38
Richard E. Thibaut, Inc.30
Ricketson Woodwork35
Wilbur, Frederick - Carvings29
Wilson & McCracken, Inc.31
Wm. H. Jackson Company35

Division 10 SPECIALTIES



SPECIAL REPORT: CUPOLAS/STEEPLES WEATHERVANES/FINIALS

CUPOLAS & STEEPLES SURVEY39
CUPOLAS SOURCELIST40, 42
CUPOLAS PORTFOLIO42, 44
WEATHERVANES & FINIALS REVIEW ..45
WEATHERVANES PORTFOLIO44
WEATHERVANES SOURCELIST46

Division 10, continued

RELATED PRODUCT ADVERTISING

Adornments For Architecture47
Architectural Timber & Millwork43
Campbellsville Industries41
Colonial Collections45
Copper House45
Country Cupolas41
Denninger Cupolas41
Edon Corp.41
Fiberglass Specialties Inc.41
Good Directions45
Historical Arts & Casting39
Ives Weathervanes47
Kreysler & Associates43
Landmark Rigging41
Lynch & Sons45
MacQuarrie & Niccum45
Nixalite43
Salt & Chestnut Weathervanes45
Skyline Engineers43
Slate & Copper Specialties43
Smith-Cornell43
Travis Tuck47
Wiedemann Industries43
Wind & Weather45

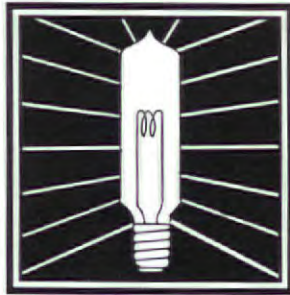
Division 15 MECHANICAL



RELATED PRODUCT ADVERTISING

Midget Louver Co.47
Reggio Register47
Triarco, Inc.47
Watercolors, Inc.47

Division 16 ELECTRICAL



RELATED PRODUCT ADVERTISING

Authentic Designs51
Lighting by Hammerworks49
Newstamp Lighting47
Rejuvenation Lamp & Fixture Co.49
Roy Electric Co.48
Spring City Electrical49
Sunfeather Reproductions51
Urban Archaeology48
Victorian Lighting Works47
Wilson Heritage49

ON THE COVER:

Working drawing for steeple restoration, drawn by Robert Phinney. Courtesy: Architectural Timber & Millwork. For more information on this company, see the SourceList on page 40.



COMING IN THE
NEXT ISSUE:
**Special Issue
Devoted
Entirely To
Products For
The Victorian
Revival**

Clem Labine's TRADITIONAL BUILDING

Historical Products For Today's Professional

69A Seventh Avenue
Brooklyn, NY 11217
(718) 636-0788 FAX: (718) 636-0750

Editor & Publisher **Clem Labine**
Managing Editor **Judith Siegel Lief**
Contributing Editor **Eve M. Kahn**
Art Director **Judith Siegel Lief**
Advertising Manager **Susan Littman**
Circulation Assistant **Tiffany C. Meertens**
Data Security **Magnolia C. Shepherd**
Comptroller **Barry Kornblum**

A Note To Contributors: TRADITIONAL BUILDING solicits reviews of historical products from building and preservation professionals. A query letter to the editor describing the product and scope of the review is suggested. Photos of outstanding examples of Neo-Traditionalism and Architecture are also sought. While we will be careful of all materials submitted, we cannot be responsible for non-receipt or loss; please keep copies of all materials sent.

TRADITIONAL BUILDING (ISSN 0898-0284) is published bimonthly by Historical Trends Corporation, 69A Seventh Avenue, Brooklyn, NY 11217. Telephone: (718) 636-0788, FAX: (718) 636-0750. Subscription rate to professionals in architecture, construction, and preservation in the U.S. and possessions: \$18/yr. (6 issues). Rate for nonprofessionals and subscribers outside U.S.: \$30/yr., U.S. funds.

Contents of TRADITIONAL BUILDING are fully protected by copyright and must not be reproduced in any manner whatsoever without written permission from the publisher.

© Copyright 1991 by Historical Trends Corporation All rights reserved.

PRINTED AT THE LIGHTHOUSE PRESS
Manchester, New Hampshire

TRADITIONAL BUILDING is indexed
in CONSTRUCTION INDEX.

profile

MELVYN GREEN: SHORING UP THE WORLD

Only recently has Melvyn Green, historic-preservation structural engineer, realized that he cannot save every building in America. "I just don't have time," he admits sadly. He has found ways, however, to appease his crusading urges: Writing codes and lecturing. "If I can share my knowledge to help others avoid mistakes," he says, "that's the next best thing to being there."

■ BY EVE M. KAHN

In addition to composing dozens of building restoration and seismic-reinforcement guidelines for districts, towns, states, and regions, his Los Angeles-based eight-person firm has tackled a dazzling array of hands-on projects, from adobe missions to terra cotta-clad skyscrapers. A significant few are located east of the Mississippi, and the rest could exist only in the West: A c.-1900 beet sugar factory in Arizona, for example, or a 1908 citrus-fruit packing house in Riverside, Calif.; the c.-1800 San Gabriel Mission in San Gabriel, Calif., one of the state's oldest buildings; houses built by the man who brought citrus to the region or by the founders of the Kimberly-Clark paper empire; the c.-1900 headquarters of Death Valley Scotty, a colorful desert gold miner; and an 1877 Nevada school-turned-museum whose rehabilitation was partially funded by the proprietor of the notorious Mustang Ranch. ("We wondered if we should raise our fee, since the money comes from prostitution," Green jokes.)

The more bizarre the project, the better he likes it. He's made structural recommendations for a roller coaster in La Jolla; completed a preservation study of an outdoor folk-art environment in Cambria Pines, Calif., which is made of everything from masonry to old tires; and given the National Trust for Historic Preservation advice on restoring Los Angeles' cement-and-scrap Watts Towers. He is currently helping the city adapt an 1896 railroad bridge for trolley use. "They want to know how to widen it to two tracks and upgrade it for quake safety while preserving its character. That's a whole series of challenges no one's ever dealt with before."

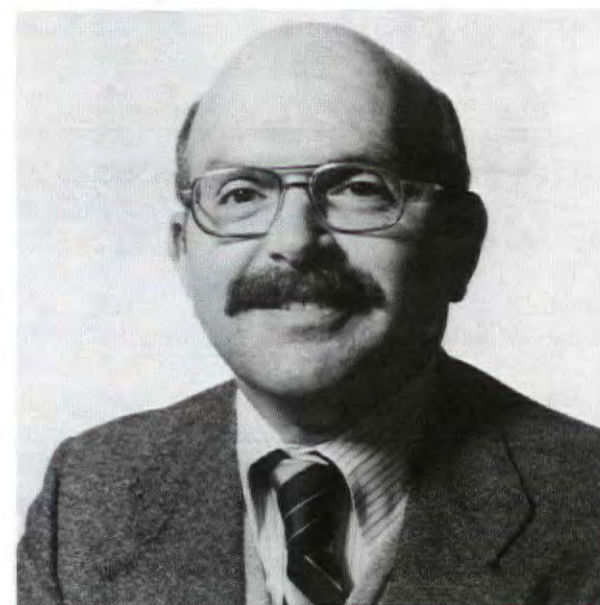
"Mel likes odd projects, quirky projects, or else he gets bored," says his partner, preservation

designer Anne Watson, who also describes him as "the ideal partner for a preservationist like me. He's very good at what he does, he's committed to architecture which is unusual in an engineer, and he lets me make the aesthetic judgments — he's a real team player."

"He sometimes comes to me and says, 'I don't know what to do about such-and-such a feature of a building; I don't know how to make it work structurally without spoiling it aesthetically,'" she continues. "And I respond, 'I'm sure you'll think of something,' and he always does, after he stewes for a while."

An Angelino since the age of three, Green became fascinated with old buildings, bridges, and dams in his teens. "And I've never looked back," he says. While studying for his B.A. at the University of Arizona in the late '50s, he became "the first and maybe only engineer in history to take an architectural history course." A few years working on bridge design for the state of California led to a year designing missile silos, a stint which led him back to the security of public service. "I was a Depression-era kid," he recalls. "I was always told you should get a steady job so you don't end up in a bread line. Defense work was not reliable; it depended upon some politician's whim."

He next served as assistant director of building and safety for the city of El Segundo, a Los Angeles satellite "with a nighttime population of 15,000, a daytime population of 100,000, and a lot of aerospace industry, so there were very few old buildings or residential buildings." His boss, Bob O'Bannon, author of *Building Department Administration* (the definitive textbook in the field), became his mentor. "Bob understood the human aspects of building departments, that it's not all steel and concrete. It's also people who need help,"



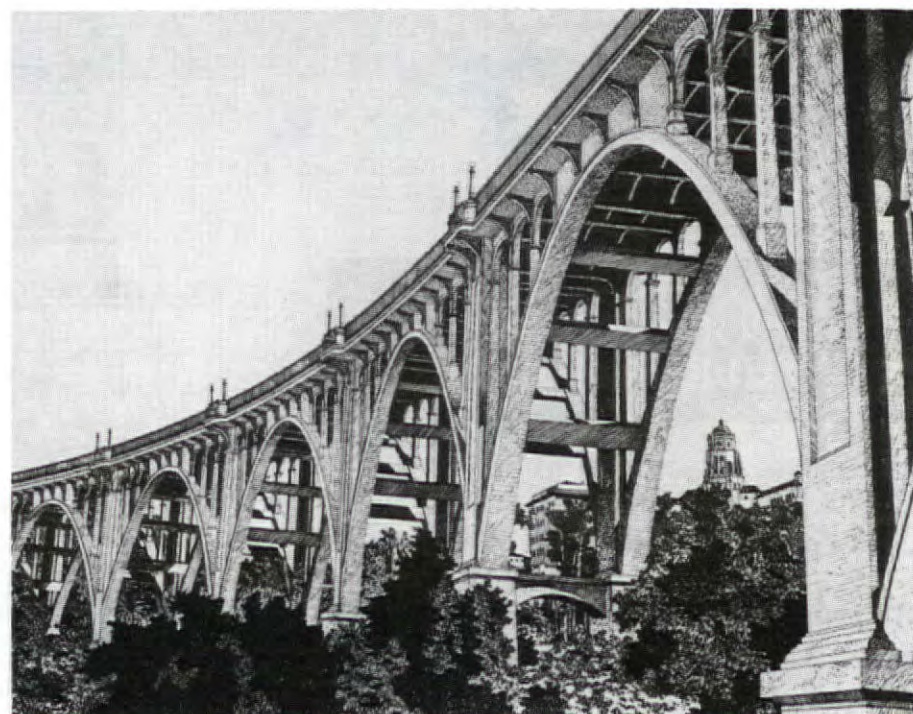
says Green. O'Bannon left the department in 1966; Green took over his job, left it in 1969, briefly ran a construction-materials quality-testing lab, and then set up his own structural-engineering consulting shop. He also found time to work with the National Bureau of Standards on prefabricated housing and with the Department of Energy on the Model Energy Code that 46 states have adopted, projects he describes as "more evidence of my mission to save America."

Along the way, he kept in close touch with his mentor. In 1972, he helped O'Bannon write a speech for a National Trust conference on building

continued on page 48



Green is designing invisible seismic bracing for the San Gabriel Mission, one of California's oldest buildings



The concrete arches of the Colorado Street Bridge, in Pasadena, have spalled and cracked. Green is overseeing their rehabilitation



Division 4 MASONRY

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 for price list, color photos, and sample brick. *We do Custom Brick Engraving.*

The Brickyard
P.O. Box A
Harrisonville, MO 64701

WRITE IN NO. 396



Division 5 METALS



THE
BARCLAY



THE
KENSINGTON

Steptoe Manufactures & Distributes Quality Restoration Products:

- Cast iron spiral staircases
- Cast iron straight staircases
- W.F. Norman steel ceilings (Canada only)
- Anaglypta & Lincrusta embossed wallcoverings (Canada only)
- Shower convertos for old tubs (Canada only)
- Brass & steel railing systems
- Lawler cast iron railing & architectural detail (Canada only)
- Custom casting
- Solid teak garden furniture
- Plaster cornice & medallions
- Wood cornice moulding
- Exterior lighting



322 Geary Avenue
TORONTO, ONTARIO M6H 2C7
(416) 530-4200 FAX (416) 530-4666

100 Years Behind the Times.™

WRITE IN NO. 47



Division 6 WOOD & PLASTIC



Partelow's Custom Wood Turnings

- Balusters for staircases,
- decks, porches and fences
- Newel posts
- Porch posts to 12'
- Column bases
- Fluting
- Spiral rope twist
- Finials
- Furniture parts
- Bed posts
- Lamps
- Spoon foot legs

No minimum order. Shipment coordination
Send \$2.00 for catalog.
For a free estimate call:
(203) 434-2065

Garry R. Partelow
34 Lyme St., P.O. Box 433
Old Lyme, CT 06371

WRITE IN NO. 496

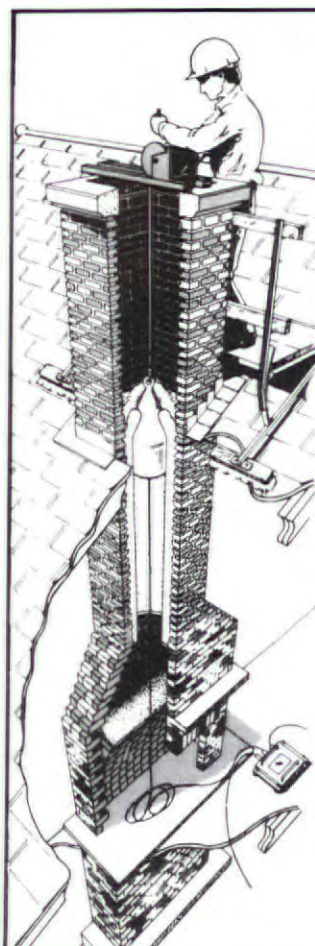
WIDE Flooring Paneling • Wainscoting

PINE to 32" wide OAK to 18" wide
Kiln dried to 6%-8% • Milled to your specifications
Send \$2.00 for informative literature and grading photos to:

Craftsman Lumber Company
Box 222T, 436 Main St., Groton, MA 01450
or phone (508) 448-6336, Charles E. Thibeau, Prop.

Satisfying Architects, Builders and Homeowners nationwide since 1974
BEST QUALITY BEST SERVICE BEST PRICES

WRITE IN NO. 432



AHRENS

Relines/Restores Masonry Chimneys

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

- First liner insulates and strengthens
- Second liner seals and protects
- Both are immune to acids and moisture
- No guess work. Mechanically applied
- No exterior alterations
- No metal to corrode
- Improves heating efficiency —

All for a fraction of the cost of rebuilding!

Dealership network nationwide.
Call or write for more information.

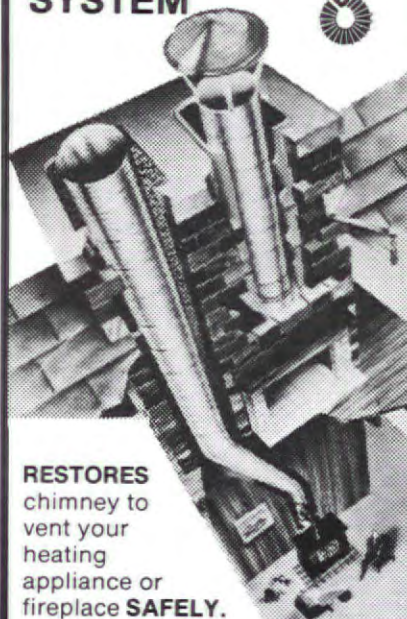


2000 Industrial Ave.
Sioux Falls, SD 57104

1-800-843-4417

WRITE IN NO. 244

VENTINOX™ CHIMNEY SYSTEM



RESTORES
chimney to
vent your
heating
appliance or
fireplace SAFELY.

UL Listed

PROTECH SYSTEMS, INC.
P.O. BOX 1743 T B
ALBANY, NY 12201
(518) 463-7284

WRITE IN NO. 206

Victorian One Cast Spiral Stair Kits



Introductory
Price
\$3600
F.O.B. Broomall, PA
For 5'0" Diameter Kit
(fits heights 8'0" to 8'8 1/2")

*Shown with optional
In-Between Spindles
and Scroll Tread Ends

© 1990, THE IRON SHOP

A magnificent spiral for Victorian or contemporary settings — with the beauty of cast iron, but not the weight! All components, except handrail, are solid castings of high strength aluminum alloy.

Call or Write for Free Color Brochure:
THE IRON SHOP Dept VTB61 215-544-7100
Box 547, 400 Reed Road, Broomall, PA 19008

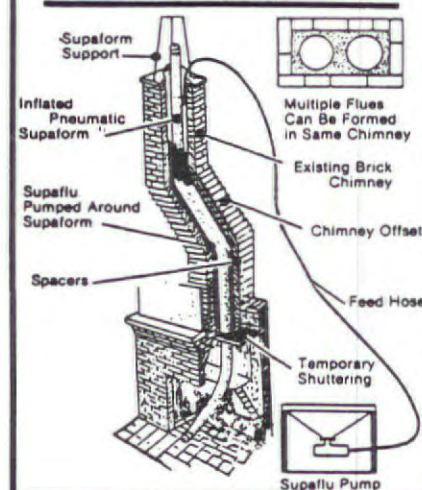
Now! Showroom/Warehouse Locations in:
Pomona, CA 714-598-5766 Sarasota, FL 813-923-1479
Houston, TX 713-789-0648 Chicago, IL 708-952-9010
Sarnford, CT 203-325-8466

THE IRON SHOP
MANUFACTURERS

WRITE IN NO. 356

supaflu™

The Ultimate Flue Liner For Masonry Chimneys



Cast-In-Place Lining

- Seals
- Cures Condensation
- Insulates
- Improves Combustion Efficiency
- Lines & Makes Chimneys Safe
- Impervious to Corrosion
- All in One Process

Tested and Listed by an ASTM and ACIL approved laboratory to UL 103-2,100 F., Canadian ULC-S629-M-1981 and UL Requirements for Non-Metallic Chimney Lining System — 1985.

Supaflu is recognized by the International Conference of Building Officials — Report No. 3937.

National Supaflu Systems Chimney Lining and Relining

P.O. Box 89 Walton, NY 13856

(607) 865-7636

WRITE IN NO. 164



Maurer & Shepherd Joiners

122 Naubuc Avenue
Glastonbury, Connecticut 06033
(203) 633-2383

17th and 18th Century
Millwork
Windows, Doors & Entryways
Raised Panel Walls
Old Glass, Moldings, Wide Pine Flooring
Beaded & Feather edge boards
Send \$2.00 for catalog.
CUSTOM WOODWORKING

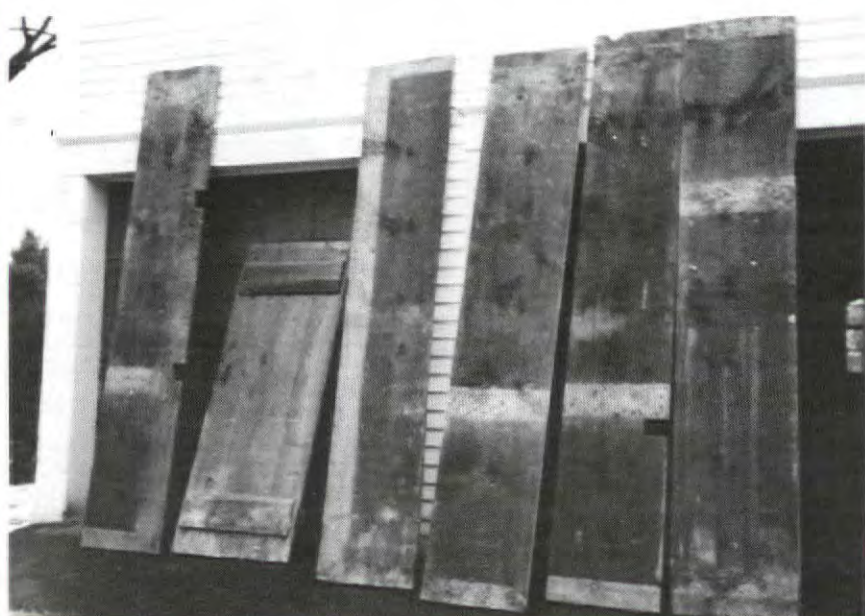
ANTIQUE WIDE PINE FLOORING

Antique Oak & Chestnut Available

Widths to 22" Wide

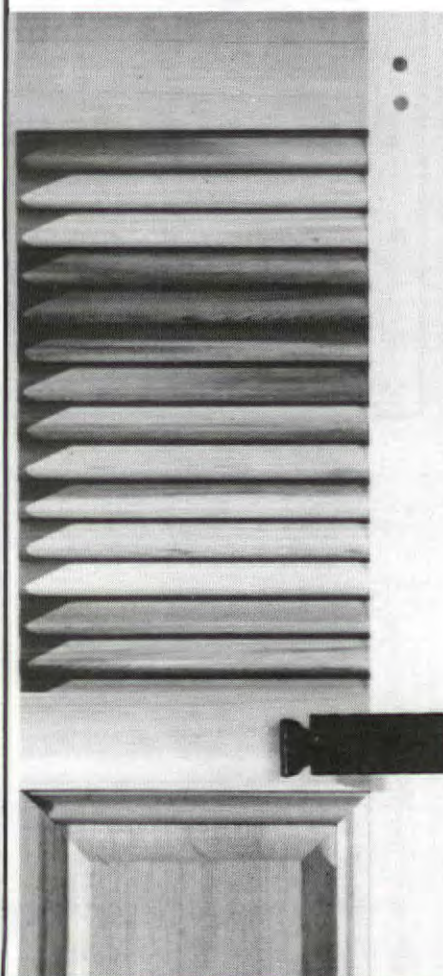
Antique Wide Pine and Hard Long Leaf Yellow Pine
Lengths up to 18' Long - Widths up to 14" Wide
Planed and Ready to Install

For price info, call Mark Phillips: (508) 948-2722
Northfield Restorations, Box 741, Rowley, Mass. 01969



WRITE IN NO. 326

DOES THE WORD POLYSTYRENE MAKE YOU SHUDDER?



Our all-cedar shutters endure for generations.

Cheap pine shutters with steel staples can fail in as few as five years. And plastic is . . . well, plastic. So to build the Vixen Hill shutter, we use only clear, Canadian red cedar. Joints are mortise-and-tenon, with teak locking pins. Both panels and louvers are of generous dimensions, ensuring lasting beauty for generations.

For a detailed brochure, contact:

Vixen Hill Cedar Shutters
Elverson, PA 19520
1-800-423-2766

WRITE IN NO. 123

the Original **CROSS VINYLattice**

Never Needs Painting

Now or soon to be available at over 1000 fine stores

Lasts A Long Time

For more information call
1 800 521-9878

WRITE IN NO. 23

Nucleus Tool Set

This matched selection of essential construction/renovation hand tools will help you complete projects without delays and compromises caused by inadequate equipment. Each item represents the best available from established manufacturers such as Stanley, Ridgid, Vise-Grip, and Cooper Tools. The Nucleus Tool Set ends disruptive hunting and gathering and provides the foundation for any serious tool inventory.

Send for descriptive catalog.

DURABLE GOODS
- Products of Integrity -
P. O. Box 390225 - E
Cambridge, MA. 02139 - 0225

WRITE IN NO. 555

ConServ EPOXY
Developed for Historic Structures

Consolidants	sills / sash
Patch	railings
Adhesives	balustrades
Structural Repair	porches / steps
	columns
	siding / trim
	cornices
	rafters / vigas
	beams / posts
	plates / sills / studs
	timber frame / logs

For Product Information
Conservation Services
8 LAKESIDE TRAIL, KINNELON, N.J. 07405 (201) 838-6412

WRITE IN NO. 175

Beech River Mill

Shutters Blinds and Hardware that are history

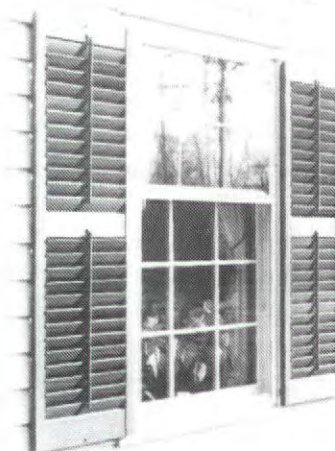
Custom louvered or panelled shutters. Authentic mounting and holdback hardware.

Beech River Mill Co.
• Hardware •
• Blinds & Shutters •

RR 1 Box 168
C. Ossipee N.H. 03814
(603) 539-2636 Phone & Fax
\$5.00 for catalog

WRITE IN NO. 411

EXTERIOR WOOD SHUTTERS



Hard-To-Find Wood Shutters with moveable louvers can be used outdoors or in. Fixed louver, raised panel, and custom arches also available. Order unfinished or primed and painted. Hinges and holdbacks shipped daily by UPS.

Brochure: (203) 453-1973
SHUTTERCRAFT 282 Stepstone Hill
Guilford, Conn. 06437

WRITE IN NO. 44

Architectural Millwork



Since 1937

2220 Horseshoe Rd., Lancaster, PA 17601
717/397-3768

WRITE IN NO. 536

SPIRAL STAIRWAYS



- Clean Design • Easily Installed
- Any Diameter Possible
- Heights To 1000 Feet
- Complete Single Unit
- \$425.00 And Up When Shipped

CALL OR WRITE FOR FREE BROCHURE

1-800-231-0793
FAX 1-713-680-2571



WRITE IN NO. 487

special report

Poring Over Interior Molded Ornament

Which material gets poured into a mold to cast an architectural element is a decision that the designer must make. *How* to choose that material requires a lot of research. Here's a start.

■ BY JUDITH SIEGEL LIEF

By now, there are many materials and mixtures to choose from when specifying interior molded ornament. Which one and how to choose depends on the size of the piece, where the piece(s) will be installed, how many pieces need to be fabricated, and whether or not historical accuracy is a priority.

Architectural ornament can be among the most aesthetically pleasing features of a project, yet because it is one of the last aspects of a job, it is likely to get shortchanged when costs run over budget. If there's pressure to cut costs, make sure the client understands the trade-offs. Choices that are made now are ones that a building owner (and future owners) will have to live with for years. Writing careful and complete specifications is still the best way to ensure that a job will get done with the least amount of last-minute panic.

Material Matters

The roster of suitable materials includes: Plaster; composition (compo) — a centuries-old traditional material typically consisting of animal-hide glue, burnt sienna, oil, whiting, and water; rigid and flexible polyurethane foam; and polyester. Reinforcing materials can include: Sisal, burlap, and fiberglass. Only an exact historical installation will

demand plaster or composition — the only historically authentic materials. Otherwise, all materials are fair game.

There are several factors to consider when specifying a material to be used for interior molded ornament. Sometimes a job will speak for itself: A high-end restoration that needs to be historically accurate will demand the use of plaster ornament. After all, plaster is a historical material and it meets all building codes. The families of polymers — especially polyurethane and polyester — have made a significant contribution to the historical ornament market; they're light in weight, can be made flexible, are more easily mass produced, and still present crisp detail while retaining the finished qualities of plaster or wood. However, they will not necessarily meet code for fire ratings; unless carefully formulated, they will burn (and some emit toxic fumes.)

Decorators Supply is a 100-year-old manufacturer with a huge inventory of plaster and composition ornament. Jack Meingast, its sales manager, thinks "people have a fear of plaster; they're afraid it'll crack. In fact, reinforced plaster is quite strong."

David Flaharty, a sculptor who has created interior ornament on such blue-chip jobs as the State Dept. in Washington, D.C. and the Metropolitan Museum in New York City, works

almost exclusively in plaster. He appreciates the purity of the material and tries to avoid the toxicity of casting polymers (but can be talked into using them if absolutely necessary).

Giannetti Studios' president, Bob Giannetti, lauds the advantages of GRG (glass-fiber reinforced gypsum). "It's thin, light, strong, can be lifted easily, and has a Class A fire rating." It's useful for large projects like a coffered ceiling. Because it's much harder than molding plaster, it's well suited for pilasters, columns, and bases. Michael Surface, president of Kansas-based The Crowning Touch, works primarily in polyurethane foam. He thinks the flexibility that it offers is unsurpassed for use on domes, bay windows, and radius moldings. "It bends so easily on curvatures while retaining its detail."

On the other hand, James Ty Clark of Classic Carvings, Chicago, believes polyester offers great durability, crisp detail, and fast mold cycling. Additionally, the recipes or "mix designs" can be reportioned to adjust density for greater flexibility or strength. Because polymers are very durable and will not chip (the way plaster can), they're useful for high-traffic situations. Because polyester — like some other materials — has a fast molding cycle, it's beneficial when many castings

continued on page 8



CAMERON NORIEGA ATELIER

ARCHITECTURAL ORNAMENT

Complete service from design and pattern making to finished product. We can create or recreate ornament in concrete, plaster, terra cotta or fiberglass reinforced concrete, to your specifications. Whether duplicating existing ornament or creating new patterns from your designs, we offer impeccable craftsmanship at reasonable rates

156 Culver Avenue, Jersey City, NJ 07305
(201) 332-6827

WRITE IN NO. 413

Cast Plaster Architectural Elements:

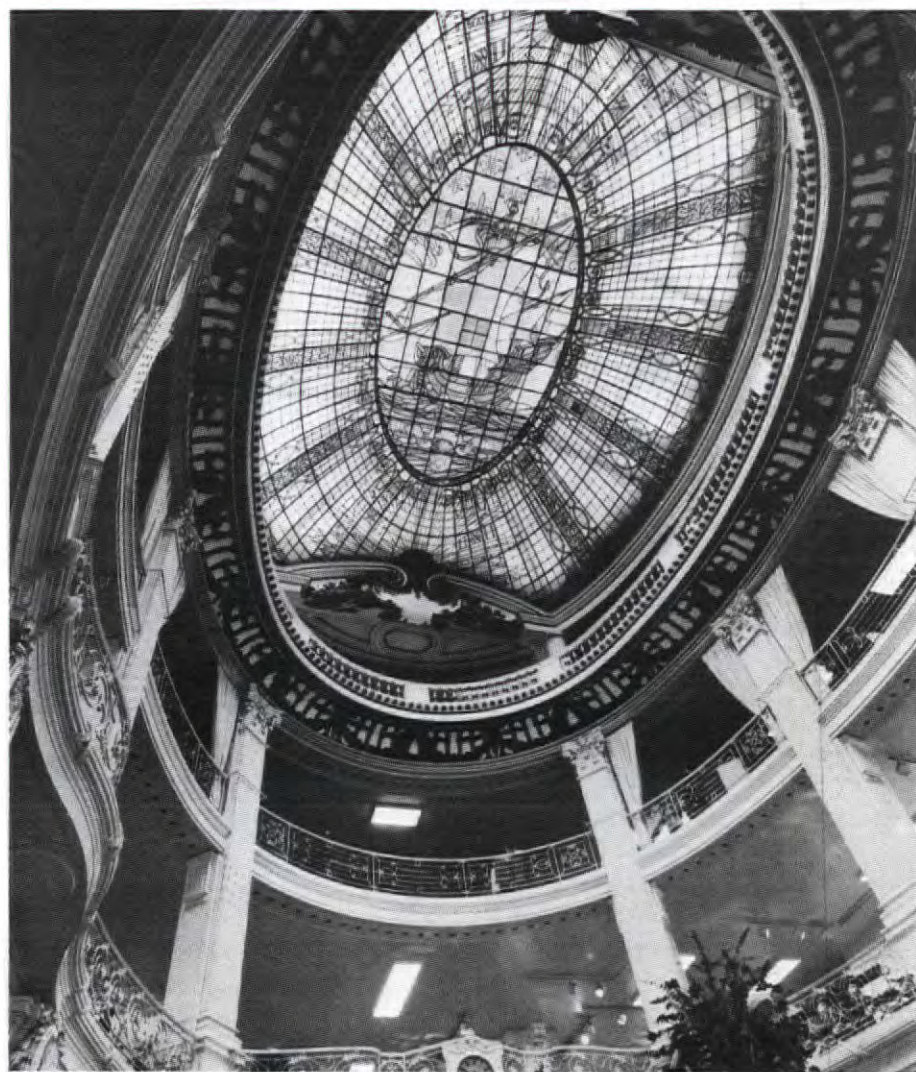
Cornices/Medallions
Pilasters/Capitals
Pedestals/Brackets
Plaques/Moldings
& Much More



ARCHITECTURAL SCULPTURE LTD.

242 LAFAYETTE ST., DEPT. TB, NY, NY 10012
(212) 431-5873

WRITE IN NO. 245



Rotunda at the Neiman Marcus Building in San Francisco is an accurate reconstruction of the original details from the old City of Paris Store on Union Square. Pieces saved from the demolished store were resculpted with clay and recast. All columns, medallions, and other ornament were recast in Plaster of Paris in just four months.

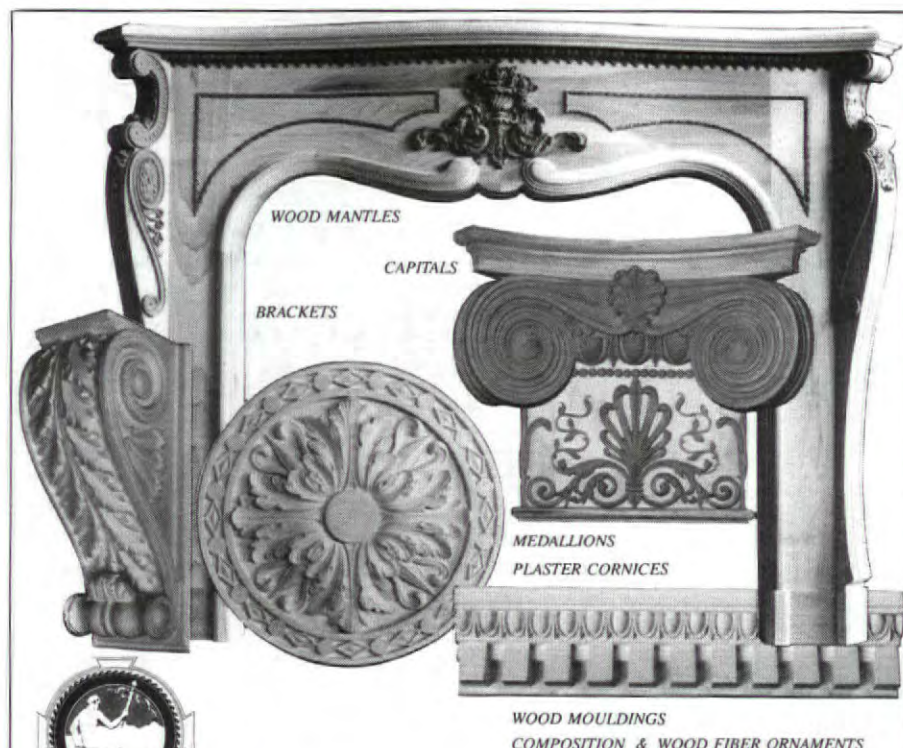
Sculptor and master craftsman working in GFRC Plaster, GFRC Cement, GFRP Fiberglass based materials, Decocast™, Stone, Bronze, and Marble. Architects, interior designers and other professionals find Palos Sculpture is not only an incredible resource for architectural and free-form sculpture, but also an innovative Design and Production Studio. Interior and Exterior: Historical architectural ornament & architectural and sculptural restorations. Our proprietary casting technology has virtually no limitations. Clients nationwide.



MANUEL PALOS SCULPTURE, INC.

1330 DONNER AVENUE, DEPT. TB
SAN FRANCISCO, CALIFORNIA 94124
415 822 8034 FAX: 415 822 9280

WRITE IN NO. 642



Established 1893
DECORATORS SUPPLY CORPORATION
 3610 S. MORGAN ST., DEPT. TB • CHICAGO, IL 60609
 312/847-6300

Cartouches
 Friezes
 Centerpieces
 Brackets

Niches
 Cornice
 Grilles
 Mouldings



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

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



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

WRITE IN NO. 196

ARCHITECTURAL RESTORATION FOR HISTORIC PRESERVATION



MASTER MOLDS
 CUSTOM REPRODUCTIONS
 cast stone **VICTORIAN GARDEN CURBS**
BAUER CASTING DESIGN
 118 MAIN ST. P.O. BOX 385
 LEXINGTON, GA. 30648
 (404) 743-3268
 catalog available

WRITE IN NO. 727

Materials for Interior Molded Ornament: Pros and Cons

SISAL-, GLASS-, OR BURLAP-REINFORCED PLASTER

PROS:

- Historical material
- Class A fire rating — will not burn
- More economical/ft.
- Seams/countersinks easy to cover

CONS:

- Chips; not good for high traffic areas
- Heavy
- Long mold cycling
- Can be damaged by water

GLASS FIBER REINFORCED GYPSUM (FRG)

PROS:

- Greater strength than plaster (so pieces can be made thinner, therefore lighter)
- Rapid mold cycling
- Harder than plaster
- Relatively inexpensive
- Can be installed by non-plasterer
- Non-flammable

CONS:

- As with plaster, but not strictly historical

COMPOSITION (Compo)

PROS:

- Self-adhering
- Pliable
- Chip- but not water-resistant
- Historical material
- Small interchangeable pieces provide design flexibility
- Relatively inexpensive
- Class B fire rating
- Weighs about the same as wood
- Can be stained or painted like wood.

CONS:

- Long mold cycling
- Can be attacked by water

- 2-week shelf life unless frozen
- Large designs may require many small pieces

SOLID POLYESTER

PROS:

- Fast molding cycle
- Same material can be used interior/exterior
- Variation in formulas can allow for more/less flexibility
- Very durable
- Class B fire rating; Class A on request
- Can be installed by any carpenter
- Solid material; can be sanded
- Moisture has no effect

CONS:

- Not historical material
- Not necessarily formulated to meet fire codes
- More expensive than gypsum-based materials

RIGID POLYURETHANE FOAM

PROS:

- Lightweight
- Can be made flexible
- Easy to install
- Chip- but not water-resistant

CONS:

- Emits toxic fumes in fires, if not properly formulated
- Not historical material

FIBERGLASS-REINFORCED POLYESTER (FRP)

PROS:

- Extremely durable
- Can be made flexible
- Lightweight

CONS:

- Not historical material
- Will burn & emit toxic fumes if not properly formulated

Interior Molded Ornament continued from page 7

are needed in a short amount of time.

The one material we've omitted from the chart above is polystyrene foam, which we don't consider a suitable material for most professional jobs: It emits toxic fumes when burned, can be easily crushed, is not a historical material, and, most important, does not hold sharp detail.

Design/Specification

As always, it's important to communicate carefully with suppliers. Dave Talbot of Architectural Reproductions maintains there's no substitute for clear specifications in "the traditional steps of shop drawings, submittals, and approvals. Additionally, clients are demanding more from manufacturers in the area of detailed design and engineering."

Stock Vs. Custom

Another factor to consider when specifying materials are: Is the design available from a catalog or does an original need to be created? As you can see from the *SourceList* (pp. 10, 12, 14), there are hundreds of stock designs available; for example, Decorators Supply offers over 1,700 designs. Obviously, custom pieces tend to be more expensive than stock. Other price considerations (besides material specified) are: The number of pieces to be created and the speed of mold cycling — that is, how long it takes a material to set and how quickly a mold can be reused.

Fire Rating

Code on most public jobs requires a Class A fire rating, which means that a flame will spread very slowly or not at all. Plaster and gypsum, for example, have Class A (or Class I) fire ratings; they will not burn. The addition of a polymer increases the flame spread number.

tion of a polymer increases the flame spread number.

Hiram Ball, president of Ball Consulting, is a raw material supplier of, among other things, Jesmonite — a (mostly exterior) formula of gypsum and polymer with a Class A fire rating of 25. Ball explains the ASTM E-84 Tunnel Test: A manufacturer must create the exact recipe that will be used on a project in a 2- x 24-ft. log. The testing lab mounts the sample in a calibrated tunnel. They introduce a flame source at one end and monitor what happens over a period of time and then, depending on how quickly the flame spreads, assign a number, which can range from 1 to 200. Classifications run accordingly: Class A (or I) 0-25, Class B (or II) 26-75, Class C (or III) 76-200.

Beware: Fire ratings are very tricky. A material's suitability for a particular application may depend on the way the building code is written. For instance, a Class C material,

which would not be acceptable in a vertical exit way — a location with the strictest code — might be quite suitable in a hotel room, where the codes are more liberal.

Aesthetics

All of the materials listed in the chart hold crisp detail. Still, it's difficult to quantify what constitutes good detail. Dave Talbot muses, "How crisp is crisp on an acanthus leaf?" The best way to know how a material will look is to examine sample pieces.

Strength/Durability

Most materials can be reinforced to increase strength. But it's important to know where a piece will be mounted when choosing a material. Because plaster and gypsum may chip, they're less suitable for high-traffic areas. Composition and the polymers are quite durable, and they can endure surface impact unscathed. ♦



ARCHWAYS



NICHES

Buy at factory prices from the world's finest producer.
Niches, Crown and Panel Mouldings, Mantels, Ceiling Medallions,
Columns, Porches, Corbels, Archways, Domes and Oak Beams.
Dealer and Manufacturer's agent inquiries welcome.

• Send today for your FREE 28 page full color catalogue.

ARISTOCAST ORIGINALS

Tel: (404) 333-9934
Fax: (404) 432-0232

Name _____

Address _____

City _____

State _____ Zip _____

Dept. TB5A, Aristocast Originals
6200 Highlands Parkway, Suite I, Smyrna, GA 30082

WRITE IN NO. 118

ARCHITECTURAL CONSERVATION

We offer services in:

- **Sculpture**
marble restoration, design,
fabrication, installation
- **Patternmaking, Moldmaking
& Casting**
fiberglass, epoxy, cast
concrete, plaster, fiberglass-
reinforced gypsum cement,
metal
- **Painting Restoration**
stencilling, representational
rendering tromp l'oeil

6 Sarnowski Drive
Scotia, New York 12302
(518) 370-0712

WRITE IN NO. 641



ARCHITECTURAL ORNAMENTATION

Historical Restoration • Ornamental Plaster



WESTON
HOUSE



The Art Home Studio, Co. means
high quality service. We offer
complete sculptural and architec-
tural services. Our staff sculptors
and carvers are able to sculpt,
form or carve the original design
and specific texture to the desired
size and shape of the architect's
designs. We welcome any scale
jobs, small or large.

The Art Home SCULPTURE &
ARCHITECTURAL
STUDIOS, CO.

718-383-0603
FAX: 718-389-7578

64 HURON STREET
BROOKLYN, NEW YORK 11222

Architectural FIBERGLASS/CAST-STONE

• Our fiberglass reinforced polyester resin (FRP) is lightweight, maintenance free, resistant to water, and cost effective. It can match any other color and texture.

• The Art Home Studios produces high quality Architectural Cast-Stone products, which is an economical alternative to Terra Cotta, Limestone and Sandstone.

WRITE IN NO. 643



ROCCA NOTO
SCULPTURE STUDIO, INC.

Vaulted Ceiling, Sweeney Building, Brooklyn, NY

Specialists in custom architectural ornament.
FRP & Gypsum. Vaulted ceilings, domes, columns, and moldings.

10-06 38th Ave., Dept. TB, LIC, NY 11101 Tel. 718-937-1977 Fax: 718-937-7237

WRITE IN NO. 422

WORTHINGTON

PREMIER ARCHITECTURAL PRODUCTS

1-800-872-1608



Catalog \$3.00

WORTHINGTON GROUP, LTD.
P.O. Box 53101
Atlanta, GA 30355
404-872-1608

WRITE IN NO. 163



TRADITIONAL BUILDING'S SOURCELIST OF INTERIOR MOLDED ORNAMENT

CSI# 06200

■ BY JUDITH SIEGEL LIEF

COMPANY	SPECIALTY	Literature	Ceiling Medallions	Niches	Running Moldings	Columns/Capitals	Other	Materials	% Custom
Above View, Inc. 241 E. Erie St., Dept. TB Milwaukee, WI 53202 (414) 271-4477	Specializes in suspended ornamental plaster ceiling tiles that drop into any 2 ft. sq. commercial grid system. 1,300 colors plus faux wood stain and marble. Exotic wall panels in crocodile, shark, frog, ostrich, alligator, stingray, and elephant. Noncombustible; easily cut.	Free <i>Write in No. 376</i>					Ceiling tiles and exotic wall panels in animal motifs	Gypsum, chopped glass, other noncombustible aggregates	1%
Architectural Conservation 6 Sarnowski Dr., Dept. TB Scotia, NY 12302 (518) 370-0712	Custom shop specializing in creation of decorative elements, stained glass, millwork, and painting restoration.	Free <i>Write in No. 641</i>					Custom duplication	Plaster, GRG, FRP, cast concrete, metal	100%
Architectural Reproductions 525 N. Tillamook St., Dept. TB Portland, OR 97227 (503) 284-8007	Specializes in ornamental detailing for both the preservation market and contemporary applications; multiple materials used.	Free <i>Write in No. 613</i>	×		×	×		Plaster, cement, metals & polymer composites	90%
Architectural Sculpture Ltd. 242 Lafayette St., Dept. TB New York, NY 10012 (212) 431-5873	Molded plaster ornament; custom work a specialty.	Free <i>Write in No. 245</i>	×		×	×	Brackets & corbels, wall ornament	Plaster	50%
Aristocast Originals 6200 Highlands Pkwy SE Dept. TB Smyrna, GA 30082 (404) 333-9934	Specializes in standard elements for immediate delivery. Large staff of carvers for custom and renovation work.	Free <i>Write in No. 118</i>	×	×	×	×	Door surrounds, domes, mantels, archways, corbels, canopies, beams	GRG, high-density polyurethane	30%
The Art Home, Co. 64 Huron Street, Dept. TB Brooklyn, NY 11222 (718) 383-0603	Specializes in restoration of historic decorative plaster. Can work from drawings or make molds directly off buildings. Also, architectural cast stone and fiberglass reinforced products.	Free <i>Write in No. 643</i>	×	×	×	×	Mantels, domes, crown moldings	Plaster, GRG, FRP, cast stone, cast marble	95%
Ball Consulting Ltd. 338 14th St., Ste. 201, Dept. TB Ambridge, PA 15003 (800) 225-2673	Distributors of Forton's Jesmonite — a glass-fiber reinforced gypsum suitable for both interior and exterior usage. Also does consulting for molded ornament materials.	Free <i>Write in No. 726</i>	×	×	×	×	Fireplace surrounds, window moldings, doorway molding, quoins	GRG	90%
The Balmer Studios 9 Codeco Court, Dept. TB Don Mills, ONT M3A 1B6 (416) 449-2155	Manufacturers of pre-cast gypsum moldings since 1835. Over 10,000 patterns; can work from drawings.	Free flyer; send \$25 for Master Selection Guide	×	×	×	×	Enrichments, brackets, fireplaces, friezes, pilasters, pediments	Molding plaster, hydrocal gypsum cement, FGR 95 (glass-reinforced gypsum)	20%
Bauer Casting Design P.O. Box 385, Dept. TB Lexington, GA 30648 (404) 743-3268	Specializes in master molds for custom reproductions on historical jobs. Also Victorian garden curbs.	Free <i>Write in No. 727</i>	×		×	×	All custom ornament	Plaster, cast stone, lightweight concrete	80%
Cameron Noriega Atelier 156 Culver Ave., Dept. TB Jersey City, NJ 07305 (201) 332-6827	Full-service ornament house; sculpting, pattern making, and mold making with a specialty in restoring damaged ornament.	Free <i>Write in No. 413</i>	×	×	×	×	Tile & ceramic murals, brackets, sconces, pediments, panels, friezes, cartouches	Plaster, castable urethanes & resins, terracotta	100%
Classic Carvings, Inc. 5747 N. Fairfield Ave. Dept. TB Chicago, IL 60659 (312) 334-7797	Custom reproductions and new creations in a variety of styles including Art Deco and Traditional. Class B fire rating with Class A on request.	Free <i>Write in No. 681</i>	×		×	×	Mantels, crown moldings, cornices, chair rails, base moldings, corbels	Polyurethane masters and polyester pieces	80%
Crowning Touch, Inc. 8902 Rosehill Rd., Dept. TB Lenexa, KS 66215 (913) 888-2929 (800) 444-0462	Specializes in architectural ornament in a variety of materials (including wood). Over 100 items available.	Free	×	×	×	×	Crown moldings, cornices, panel moldings, friezes, chair rails, brackets, sconces	High-density rigid polyurethane and flexible urethane, GRG	30%
Cumberland Woodcraft Drawer 609, Dept. TB Carlisle, PA 17013 (717) 243-0063	Distributors of the Belgian Orac Decor line of molded decorative ornament. (Also architectural millwork.)	Free <i>Write in No. 131</i>	×	×	×	×		Polyurethane	0%
Custom Decorative Mouldings P.O. Box F, Dept. TB Greenwood, DE 19950 (800) 543-0553	Specializes in historically accurate decorative moldings and other architectural elements.	Free	×		×		Pediments, keystone, brackets, louvers, door & window trim, and more	High-density polyurethane	20%
Decorators Supply Corp. 3610-12 S. Morgan St., Dept. TB Chicago, IL 60609 (312) 847-6300	Enormous selection of ornament; composition for interior trim, wall decorations etc.; cast plaster for interior use; stucco plaster for exterior ornament; composition carvings; wood fiber carvings; all styles.	Send \$25 for 5-volume set	×	×	×	×	Wall panel decorations, decorative window cornices, cabinets, pediment ornament, brackets, and more	Plaster, wood fiber, & composition	20%

continued on page 12

DETAILS THAT MAKE THE DIFFERENCE...



SORALE OF FRANCE

EVERYONE AGREES it's the details that make the project. The details are what set it apart – give it a certain character. And because the details are so important, the architectural details you choose have to be the best.

Now you can order the world's finest architectural plaster details from Sorale of France. Offering a full line of products including mouldings, columns and ceiling rosettes, the variety and beauty of design will surprise you. The attention to detail is exacting and the designs are beautiful and faithfully reproduced from forms that are hundreds of years old.

Don't specify architectural ornamentation until you've taken a look at Sorale. Call for free catalogues and product information.

Video available for \$19.95
refundable with order.

SORALE

AVAILABLE IN THE U.S.A. THROUGH


Nostalgia, Inc.

Savannah, GA
1-800-874-0015
Fax (912) 234-5746

Crown Plastering

East Meadow, NY
(516) 489-8200
Fax (516) 489-1893

WRITE IN NO. 743

<div>  <h1>TRADITIONAL BUILDING'S SOURCELIST OF INTERIOR MOLDED ORNAMENT</h1> <p>CSI# 06200</p> <p>■ BY JUDITH SIEGEL LIEF</p> </div>									
COMPANY	SPECIALTY	Literature	Ceiling Medallions	Niches	Running Moldings	Columns/Capitals	Other	Materials	% Custom
Edon Corporation 1160 Easton Rd., Dept. TB Horsham, PA 19044 (215) 672-8050	Supplier of fiberglass-reinforced ornament specializing in historical replication. In-house capabilities include: Design, sculpting, and pattern-making for large assemblies.	Free <i>Write in No. 189</i>	×	×	×	×	Domes, cornices, and more	FRP GRG	50%
Felber Studios, Inc. PO Box 551, Dept. TB Ardmore, PA 19003 (215) 642-4710	Architectural plaster shop specializing in historic restoration and fabrication. GRG has a Class A fire rating.	Free <i>Write in No. 289</i>	×	×	×	×	Domes, ceiling tiles	GRG, plaster, Jesmonite	90%
The Fischer & Jirouch Co. 4821 Superior Ave., Dept. TB Cleveland, OH 44103 (216) 361-3840	Ninety-year-old manufacturer of architectural plaster ornament; over 1,700 designs in a variety of styles; Class B fire rated. Custom reproduction.	Free <i>Write in No. 196</i>	×	×	×	×	Figures, grilles, gables, mantels, corbels, festoons, beams, friezes, and lots more	Plaster w/fiberglass chips, hemp fiber, & steel rods (where applicable)	100%
David Flaharty, Sculptor 402 Magazine Rd, RD 2 Dept. TB Green Lane, PA 18054 (215) 234-8242	Blue-chip period installations in plaster; no plastics. Multi-part installations allow custom compositions.	Free	×	×		×	All ornamental plaster work	Gypsum plaster	100%
L.H. Freedman Studios 368 Congress St., Dept. TB Boston, MA 02210 (617) 426-8887	Sculptor specializing in moldmaking and casting from drawings, photos, or existing elements especially preservation, conservation, custom art, and architectural design and restoration.	Free <i>Write in No. 639</i>	×	×	×	×	Friezes from the Parthenon & other select elements	Plaster, polymer & plaster fiberglass (epoxy), and composition	95%
Giannetti Studios Inc. 3806 38th St., Dept. TB Brentwood, MD 20722 (301) 927-0033	Stock or custom ornament; also repairs existing moldings; man- tels a specialty. "If you can draw it, we can make it."	Free <i>Write in No. 733</i>	×	×	×		Mantels and domes	Plaster & GRG	60%
Hoboken Brownstone Co., Inc. 16 Yale Ave., Dept. TB Jersey City, NJ 07304 (201) 435-2455	Fabrication and restoration of architectural sculpture and detail for interior and exterior applications. Will work from drawings or make molds in situ.	Free <i>Write in No. 735</i>	×	×	×	×	Fabrication of any detail and element	Plaster, GRG, GFRC, cast stone, terra cotta	95%
J.S. Keller & Associates P.O. Box 13151, Dept. TB Webster Grove, MO 63119 (314) 962-6626	Complete line of reproduction English oak interior decoration. Molds crafted from antique originals; hand-finished (museum quality) to simulate wood. All products standard but made-to-order.	Send \$10 for catalog			×	×	Brackets, corbels, friezes, architraves, arches, carved panels	Polyurethane-expanded foam with proprietary hard resin outer surface	0%
M.C.M.C. 1512 14th St. N.W., Dept. TB Washington, D.C. 20005 (202) 328-6262	Specializes in ornamental plaster moldings; many stock patterns available; moldmaking capabilities for custom work; will create new design; will work from existing drawings.	Free	×	×	×	×	Domes, ceiling tiles, door headers, brackets, panels, sconces, finials, wall & ceiling trim	Plaster, GRC, cast stone, GFRC	40%
Frank Mangione 21 John St., Dept. TB Saugerties, NY 12477 (914) 246-9863	Specializes in ornamental plaster, both new work and repairs. Will work from drawings; can reproduce most plaster ornamentation	Free <i>Write in No. 741</i>	×	×	×	×	Gypsum plaster flat work restoration & molds run in place to match existing ornament.	Plaster	100%
Moonlight Molds, Inc. P.O. Box 2198, Dept. TB Gardena, CA 90247 (213) 538-9142	Custom-built architectural ornament for interior/exterior use for both new construction and historic buildings. Class A fire rating.	Free	×	×	×	×	Coffered ceilings, friezes, more	GRG, pre-cast plaster, pre-cast cement, and GRC	80%
Molloy and Associates, Inc. PO Box 515, Dept. TB Hutchins, TX 75141 (214) 225-6106	Sells alkali-resistant glass and equipment used to make GFRC.	Free <i>Write in No. 646</i>	×	×	×	×	Exterior panels, garden benches	GFRC	10%
Nostalgia, Inc. 307 Styles Ave., Dept. TB Savannah, GA 31401 (912) 232-2324 (800) 824-0015	Represents Sorale of Nantes — a French manufacturer of large plaster installations such as luxury liner ballrooms, theaters, malls, etc. Zero flame spread and zero smoke contribution.	Free <i>Write in No. 743</i>	×	×	×	×	Special plaster facades, complete interiors of malls, theaters, more	Gypsum, hydrocal, and like materials	30%
Orlandini Studios, Ltd. 633 W. Virginia St., Dept. TB Milwaukee, WI 53204 (414) 272-3657	Ornamental plaster craftsman who prefers residential and small commercial jobs; will travel.	None	×	×	×	×	Any historical replication or restoration	Plaster	100%
Manuel Palos Sculpture 1330 Donner Ave., Dept. TB San Francisco, CA 94124 (415) 822-8034	Sculptor who specializes in high-end restorations and special architectural projects with a variety of new techniques and updated materials. Class A fire rating.	Free <i>Write in No. 642</i>	×	×	×	×	Engineering & installation; any custom project	Decocast, GFRC, GRG, FRP, bronze, marble, stone	40%
Permalife Inc. 1701 Clyde Pk. Ave. SW Suite #5, Dept. TB Wyoming, MI 49509 (616) 245-0180	Specializes mostly in exterior ornament but have recently expanded to interior market. They have pattern-making and mold-building capabilities for custom jobs.	Free <i>Write in No. 744</i>		×			Victorian brackets, louvers, fans	Rigid polyurethane foam	15%

continued on page 14

stop
soon



YOUR NUMBER IS UP!

Take a *close* look at your mailing label . . .

. . . If the top line reads: 02/01/99, you're receiving a *TRIAL* subscription to *TRADITIONAL BUILDING*. That means your name will soon be eliminated from our circulation list. To make sure you get *EVERY ISSUE* of *TRADITIONAL BUILDING*, fill out this card and we'll bill you \$18 for a 1-year subscription.

NAME _____

COMPANY _____

ADDRESS _____

CITY _____

STATE _____ ZIP _____

PHONE (_____) _____

Your Business: ☐ Architect ☐ Contractor ☐ ☐ Engineer/Consultant ☐ Government

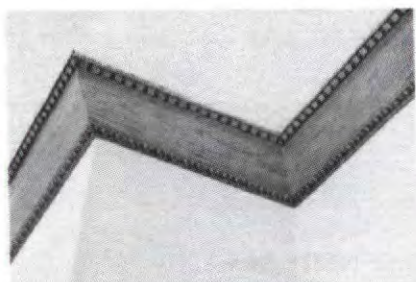
TRADITIONAL BUILDING
69A SEVENTH AVENUE
BROOKLYN, NEW YORK 11217

Use
card to
make sure
you keep
getting
**TRADITIONA
BUILDING.**

Kingsley

The Most Versatile Architectural Moulding System Ever . . . Design-A-Crown by Royal American Wallcraft

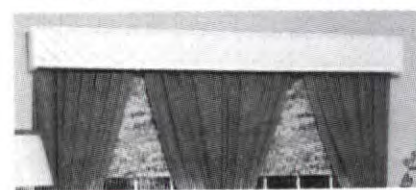
Tel: 1-800-330-9435 Fax: 407-466-9435



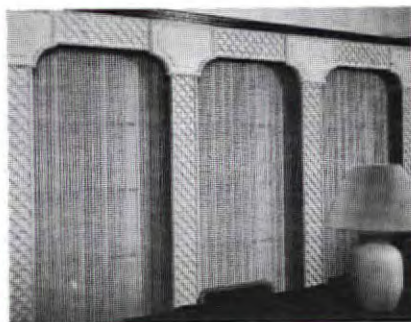
Design-A-Crown is the most versatile Architectural Moulding System ever! The possibilities are limited only by your imagination. Use **Design-A-Crown** to create Crown Mouldings, Chair Rails, Window Treatments, Mirror Treatments, Valances, Cornices, Lambrequins, and Shadow Boxes.

Crown Moulding: All styles in the Design-A-Crown line can be used for Crown Moulding. All styles are available primed white for painting, or primed for staining. Eight of the designs are available in 3 widths: 6"/8"/10". **Chair Rail:** Most of the styles

can be used as Chair Rail. **Crown Moulding & Chair Rail Combinations:** Create matching sets by using one of the 10" patterns as the Crown Moulding and a matching 6" or 8" pattern as the Chair Rail. Or use a different pattern for the Chair Rail to achieve a perfect complementary effect. **Treatments:** Many of the styles can be used as Window and Mirror Treatments, Valances, Shadow Boxes and Lambrequins. **Customizing:** Many of the styles can be customized with wallpaper, fabric, motifs, etc.



Total Flexibility: Our mouldings allow total flexibility in interior design . . . permitting you to put your personal signature on each project.



Anaglypta & Lincrusta



The Ultimate in Relief Wallcoverings: Lincrusta embossed wallcoverings combine timeless elegance with an unsurpassed depth and richness. First produced in Victorian England in 1877, many of the original 19th-century Lincrusta installations are still in service . . . convincing evidence of the product's durability. Today, the richness of design together with the solid depth of the embossing gives a sense of classic style and longevity to any environment. Many of the frieze and dado patterns are produced on their original 19th-century brass rollers. The surface of Lincrusta can be painted or stained; many patterns also lend themselves to antiquing, pickling, and glazing.



◆ SEND FOR OUR SPECIAL SAMPLE PACK ◆

See for yourself! Send for our Special Sample Pack, which contains a sample of ALL the Design-A-Crown Moulding styles, Frieze Borders, Pelmet Borders, and Lincrusta Wallcoverings. **We'll send the Sample Pack on ninety (90) days approval.** If you decide not to keep the Sample Pack after 90 days, just send it back to us and you'll owe nothing. **The \$75 + \$5 Shipping & Handling is fully rebateable: 10% of any order(s) you place is credited toward the cost of the Sample Pack.** Any combination of orders that totals \$750 will recover the cost of the Sample Pack. There is no time limit on the rebate.

FREE 90-DAY EXAMINATION COUPON

☐ Yes, send me the Special Design-A-Crown Sample Pack on 90 days approval — and bill me for \$75 + \$5 S & H; due and payable in 90 days, should I decide to keep the Sample Pack.

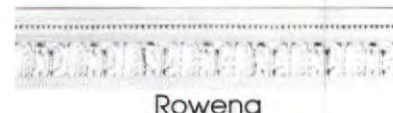
☐ Yes, send me the Special Design-A-Crown Sample Pack on 90-day approval. A check for \$75 is enclosed (save the \$5 S&H charge), and is fully refundable should I decide not to keep it.

I understand that my only obligation is to return the Sample Pack postage prepaid should I decide not to keep it.

The \$75 charge is fully rebateable. Any combination of orders that totals \$750 will earn a \$75 rebate. There is no time limit.

Your Name		
Firm Name		
Address		
City	State	Zip
Tel:		
Sales Tax Exempt # (FL)		
Signature		
Title	Date	
Ship to: (if different)		
Address		
City	State	Zip

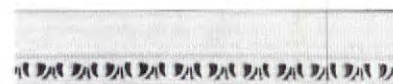
Molding Styles



Rowena



Julietta



Nina



Coppelia



Sylvia



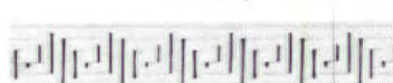
Constantine



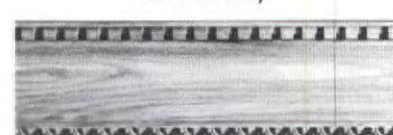
Pennita



Tracery



Greek Key



Traditional



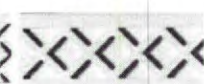
Marquee



Weave



Lattice



Trellis

Friezes & Pelmet



RD 1947



RD 1949



RD 1955



RD 1957



RD 1958



CP 653

USE THIS AS YOUR MAILING LABEL
Royal American Wallcraft, Inc.
P.O. Box 3985, Dept. TB1
Ft. Pierce, FL 34950



TRADITIONAL BUILDING'S SOURCELIST OF INTERIOR MOLDED ORNAMENT

CSI# 06200

■ BY JUDITH SIEGEL LIEF

COMPANY	SPECIALTY	Literature	Ceiling Medallions	Niches	Running Moldings	Columns/Capitals	Other	Materials	% Custom
Polytek Development Corp. Box 384, Dept. TB Lebanon, NJ 08833 (908) 534-5990	Suppliers of mold-making materials in a variety of polyurethane and silicone rubbers especially suitable for taking molds off vertical surfaces.	Free <i>Write in No. 636</i>	×	×	×	×	Any other ornament	Molding resins & mold-making materials	
Restoration Works 810 Main St., Dept. TB Buffalo, NY 14202 (800) 735-3535	Specializes in architectural trims and medallions; also decorative hardware and plumbing fixtures.	Free	×	×	×	×		Condensed polyurethane foam	10%
Rocca Noto Sculpture Studio 10-06 38th Ave., Dept. TB Long Island City, NY 11101 (718) 937-1977	Specializes in custom architectural ornaments; especially difficult projects.	Free <i>Write in No. 422</i>	×	×	×	×	Vaulted ceiling, domes	Gypsum, FRP	100%
Royal American Wallcraft Box 3985, Dept. TB Fort Pierce, FL 34938 (407) 466-9435	Manufacturers of rigid polyurethane foam moldings. Also distributes Anaglypta and Lincrusta borders and wallcoverings.	Free <i>Write in No. 748</i>	×		×		Window treatments, door surrounds, overdoors, corbels	Polyurethane	5%
Russell Enterprises 2530 Boyce Plaza Rd., Dept. TB Pittsburgh, PA 15241 (412) 257-1090	Manufacturers of over 600 "Like Wood" architectural trims, moldings, and accents.	Free	×		×	×	Window trims, brackets & corbels	Pre-formed polyurethane	6%
Russell Restoration 5550 Bergen Ave., Dept. TB Mattituck, NY 11952 (516) 765-2481	Custom plaster work, restorations a specialty.	Free	×	×	×	×	Any cast plaster ornament	Plaster, epoxy, Portland cement	100%
Towne House Restorations 475 Keap St., Dept. TB Brooklyn, NY 11211 (718) 599-4520	Specializes in custom duplication of ornamental molding. Also models and casts new moldings from drawings. Construction crews for installation.	Free <i>Write in No. 750</i>	×	×	×	×	Any architectural ornament or art duplication	Plaster, FRP, concrete, GFRP	100%
J.P. Weaver 2301 W. Victory Blvd., Dept. TB Burbank, CA 91506 (818) 841-5700	8,000 mix-and-match ornaments that can be configured to make any architectural element.	Free <i>Write in No. 761</i>					Ornaments; can make up any architectural detail	Composition	80%
Worthington Group PO Box 53101, Dept. TB Atlanta, GA 30355 (800) 872-1608	Cast moldings, niches etc.; fiberglass balustrades (new). Also wood columns, stained glass domes, and aluminum gates.	Free <i>Write in No. 163</i>	×	×	×	×	Mantels, fiberglass domes, balustrades, corbels	Cast plaster	5%

WHEN YOU DON'T HAVE ALL THE PIECES... YOU NEED MORE THAN A PILE OF PARTS

ARCHITECTURAL REPRODUCTIONS

offers a wide range of products and services for ornamental problems such as the reconstruction of the plaster interior of the historic Yakima, Washington Train Station (shown at right). For this job we supplied:

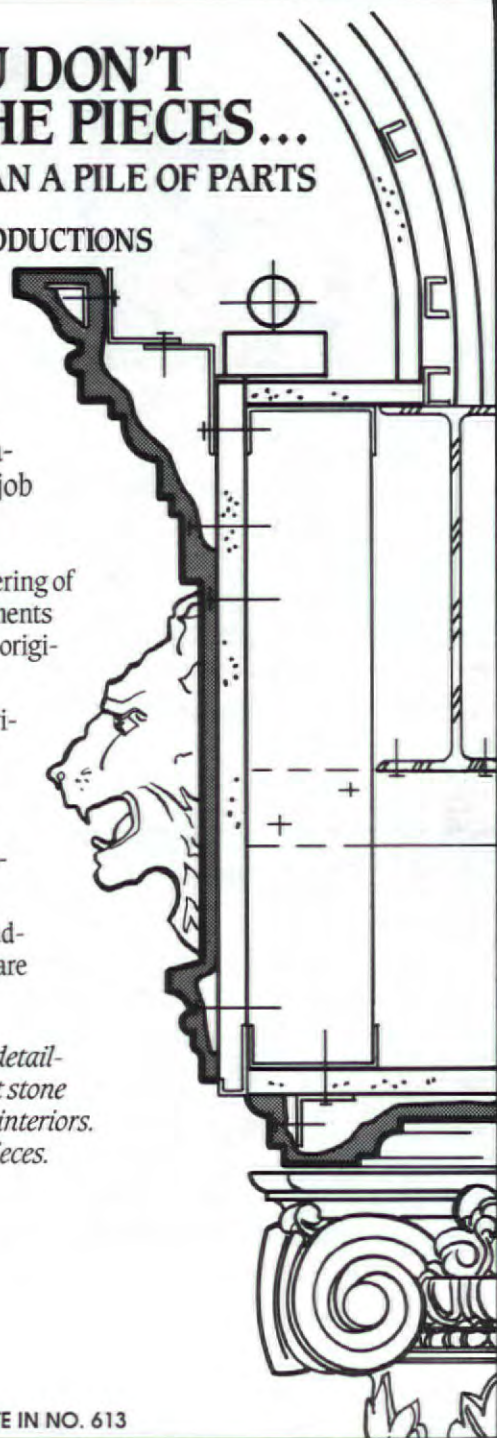
- **DESIGN** and structural engineering of columns, coffers, and frieze elements based on field conditions and the original architectural drawings.
- **MOLDMAKING** from shop fabricated models and original parts.
- **PART PRODUCTION** using a cost-effective mix of materials including cast and thin-shell laminated plaster.
- **INSTALLATION** package including attachment drawings, hardware and job-site assistance.

For over ten years we've tackled detailing challenges from classical cast stone facades to contemporary plaster interiors. We give you more than just the pieces.

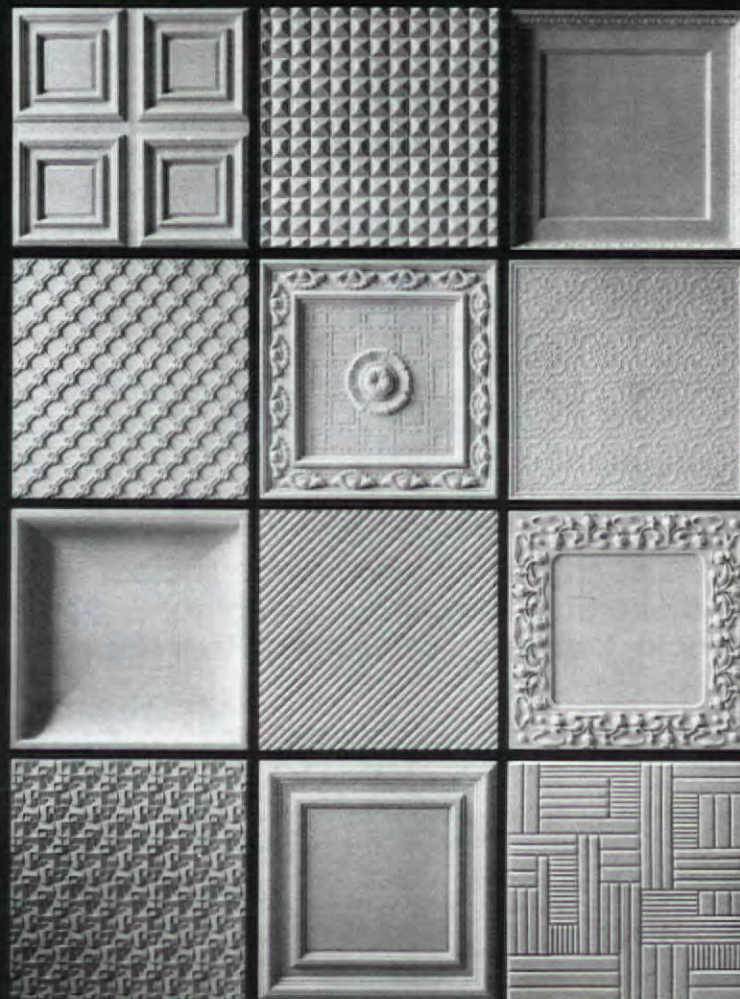
ARCHITECTURAL REPRODUCTIONS, INC.

525 North Tillamook Street
Portland, Oregon 97227
(503) 284-8007
FAX (503) 281-6926

WRITE IN NO. 613



SUSPENDED PLASTER CEILING TILES



ABOVE VIEW, INC.

241 EAST ERIE STREET • MILWAUKEE, WI 53202 • 414-271-4477

WRITE IN NO. 376

TESSERA
CUSTOM ARCHITECTURAL CERAMICS

- ▲ TILES & MOSAICS ▲
- ▲ ACCENTS FOR THE GARDEN ▲
- ▲ TERRA COTTA ▲
- ▲ RESTORATION ▲
- ▲ NEW DESIGN ▲

INQUIRIES INVITED
111 FIRST ST. JERSEY CITY, N.J. (201) 216-1806

WRITE IN NO. 644

THE SOURCE FOR
PRESERVATION PRODUCTS

Books & Publications

- Conservation
- Rehab
- Maintenance
- Wood
- Masonry
- Moisture
- Paint
- Safety
- Documentation
- Diagnostics
- ...and many more

Instruments & Tools

- Moisture Meters
- Crack Monitors
- Wood ID Kits
- Salt Detectors
- Thermographs
- Hydrographs
- Light Scopes
- Electronic Measurers
- Monoculars
- Light Sources
- ...and many more

PRG
P.O. Box 1768 • Rockville, MD 20849-1768 • (301) 309-2222

WRITE IN NO. 671

JESMONITE®

AN EXTERIOR GLASS FIBER REINFORCED GYPSUM SYSTEM

Casting System

Forton-Jesmonite GRG

- Interior — Exterior material
- Simple to use: Non-toxic
- Wide range of architectural finishes
- Quick demold
- Lightweight

Forton GFRC

- Polymer additive for GFRC
- Eliminates wet cure
- Improves long-term durability

DISTRIBUTED BY

Ball consulting ltd

Ball Consulting Ltd.
Suite 201
338 Fourteenth Street
Ambridge, PA 15003

Tel: 412/266-1502
Fax: 412/266-1504

(Please Circle Number 211, On InfoQuik Reader Action Card)

WRITE IN NO. 726

ORNAMENTAL PLASTER



FABRICATORS OF FINE PERIOD & CUSTOM ORNAMENT
Cornice • Medallions • Sculpture • Niches • Capitals • Brackets • Domes



FELBER
STUDIOS INC.

110 Ardmore Avenue, Box 551A
Ardmore, PA 19003 • (215) 642-4710

Call or write for our illustrated catalog

WRITE IN NO. 289

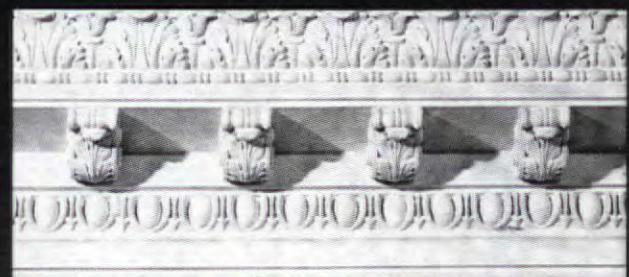
SINCE 1935, GIANNETTI CRAFTSMANSHIP IN Cornices, Medallions, Moldings



TRADITIONAL OR CUSTOM DESIGNS

Moldings & Medallions from stock — or made to your design and specifications • Plaster and FRG • Stock and custom fireplace mantels a specialty • Domes, niches, and other moldings in Fiberglass Reinforced Gypsum • Extensive experience in plaster restoration • Facilities for replication of every type of architectural ornament — interior and exterior.

Write for our brochure. Or call to discuss your special requirements.



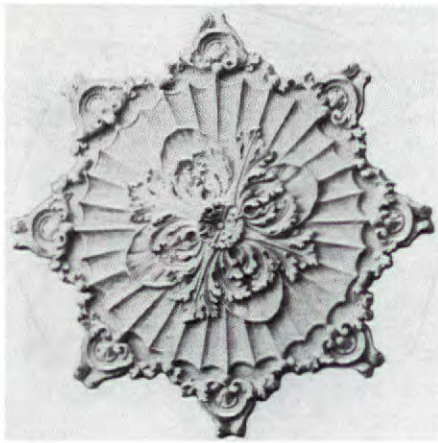
GIANNETTISTUDIOS

3806 38th Street, Dept. TB, Brentwood, MD 20722
(301) 927-0033

WRITE IN NO. 733

MOLDED ORNAMENT PORTFOLIO

(Consult *SourceList* for contact information about companies illustrated.)



Louis XV Medallion #707; composition; 1-1/2" relief; 36" x 36". Decorators Supply Corporation



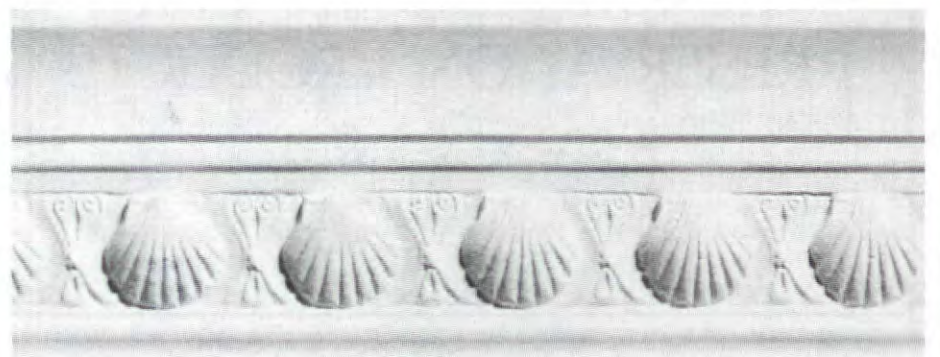
Art Nouveau I ceiling panel #TL-0006; gypsum. Above View



Sconces reproduced from original detail in the old UniRoyal Building, Los Angeles; FRG. Moonlight Molds



Plaster restoration in Connecticut residence. Art Home



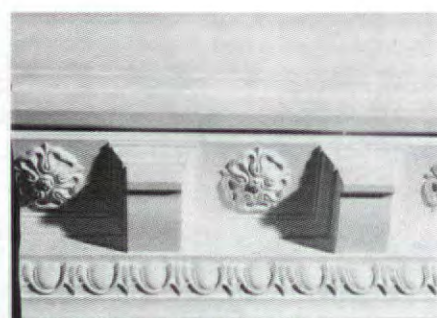
Crown with Scallops #6134; 16' x 4-5/8"; high-density polyurethane. Custom Decorative Mouldings



Plaster repair; St. John's R.C. Church, Poughkeepsie, NY. Frank Mangione



Medallion # 353; gypsum. Nostalgia



Large Georgian molding; cast plaster. Worthington Group



Textured, reinforced fiberglass. Manuel Palos



Georgian Classic molding #2390; 6-1/2" repeat; 6' 1/2" lengths; 9-3/8" (wall) and 7-1/8" (ceiling); plaster. M.C.M.C.



New Orleans crown molding; 10" (wall) and 2-3/4" (ceiling); FRG. Giannetti Studios, Inc.

continued on page 18

G F R C RESTORE.



Glass Fiber Reinforced Concrete (GFRC) is ideal for building rehabilitation or retrofit projects. Its light weight minimizes the load added to the existing structure.

• **Design Flexibility** - in texture, pattern and surface finish allows it to blend with various construction materials.

• **Craftsmanship** - Exact replicas of original ornamental work from landmark and other historic buildings can be produced with complete accuracy.

For a list of qualified GFRC manufacturers call the only company that provides the complete GFRC package.

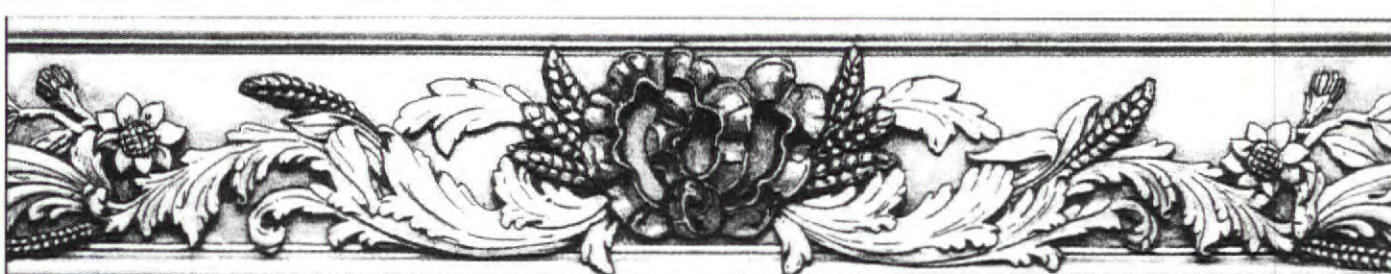
YOUR RESOURCE FOR GFRC TECHNOLOGY



MOLLOY
AND ASSOCIATES

P.O. BOX 515
HUTCHINS, TEXAS 75141
(214) 225-6106
Distributors of NEG AR Glassfibre

WRITE IN NO. 646



PICTURED: FROM OUR CUSTOM DESIGN DEPARTMENT; Above: a frieze design, approximately 4" x 40". Below: The side detail of a custom fireplace illustrating exceptionally high relief. Photography: FRITZ TAGGART

USED in the FINEST ARCHITECTURAL INTERIORS
OUR HISTORIC ORNAMENT WILL BEND WITHOUT CRACKING or SHRINKING
and SELF-BOND WITHOUT GLUE or NAILS
only from the J.P.WEAVER COMPANY & LENNA TYLER KAST



Three ornaments have been draped over a glass to demonstrate their flexibility.

From over 8,000 ornaments any architectural detail can be created. Our collection of ornaments originates from historical carvings and are reproduced in "composition", NOT resin or plastic. Our formula traces to the work of the Weaver Company in the late 1700's in England. Weaver's ornaments have always been known for their unique flexibility and quality.

This work is available through our instructional videos & *scaled* design books or our custom design department.

NEW: VOLUME IV, "BEGINNERS HANDBOOK of DESIGN", 100pp. \$40 + \$15 S&H, US.
A beginners guide to the use and design of ornament, from concept to detail.

REGIONAL DESIGN & INSTALLATION is available.

Send for 'Introduction to Ornament' video,
\$25 + \$10 S&H
\$25 will be credited against first purchase.

J.P. Weaver & Co.
SINCE 1914

Send \$5/COLOR BROCHURE
to the trade

ORNAMENTS for the DECORATION of MANTELS, DOORS, FURNITURE, WALLS, & CEILINGS.
FAX (818) 841-8462 2301 WEST VICTORY BLVD. BURBANK, CALIFORNIA 91506 (818) 841-5700

WRITE IN NO. 761

MAIL ORDER SIGNS
NEW PRODUCTS
MAIL ORDER SIGNS

Very Durable!
ORDER 1 SIGN
- or -
100

Historic House Plaques

SIGNS CAST IN
Long Lasting
EPOXY RESIN

This sketch is at 3/4" = 1'0" scale

PAUL MUSGROVE SIGNS

Please send for our brochure of "Cast Signs" & custom designs thru Mail Order! Signs shown come primed OR hand painted & lettered, etc.

© 1991 PAUL MUSGROVE - GRAPHIC DESIGN

PAUL MUSGROVE • SIGMAKER
209 HIGH ST., MT. HOLLY, NJ 08060

FAX YOUR IDEAS, 609-267-3177
Telephone 609-267-3393

WRITE IN NO. 765

Your Award-Winning Source for Elegant Woodwork



Everything you need in Victorian gingerbread, turnings and carvings, in premium grade solid hardwoods. Factory-direct savings.

Period Bars, Backbars, Servers, Ceilings, Seating, Gazebo Kits & accessories.

We'll build to your specifications, supply any or all component parts. Complete custom design services.

Interior/exterior restoration projects, Victorian to Ultra-Contemporary, our specialty.

Send for Catalog. Over 135 color pictures of products and design ideas. \$4.50. Free if ordered on Company letterhead.



Chimberland Woodcraft Co. INC.
Office hrs. 8 AM to 4 PM Mon-Fri, EST
Post Office Drawer 609 Carlisle, PA 17013
(717) 243-0063 (800) 367-1884 Outside PA FAX (717) 243-6502



Best of Show, Blue Ribbon, Expo Show.



Expo Blue Ribbon Winner



Dept. 190

WRITE IN NO. 131

MOLDED ORNAMENT PORTFOLIO

(continued from page 16)



Plaster moldings; GRG columns; gypsum cement detail on tub. The Balmer Studios



Balcony facing molded in GRG. Architectural Reproductions



Fireplace (top side) detail; composition. J.P. Weaver



Newly cast capital; cement, polymer, fiberglass. L.H. Freedman Studios



No. 10128 corbel; ornamental plaster. Felber Studios, Inc.



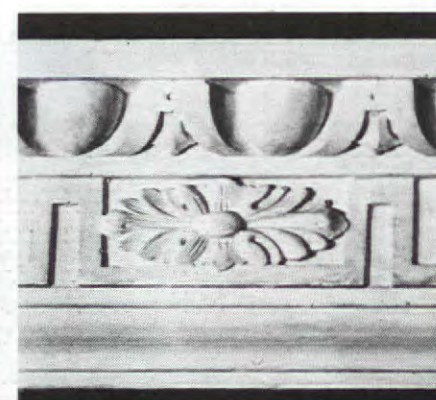
Replication of original plaster capital; polyester. Classic Carvings



Plaster medallion. David Flaharty, Sculptor



Moldings and wall panels; polyurethane expanded foam with proprietary hard resin outer surface; hand finished to simulate wood. J.S. Keller & Associates



Replication detail of a hand-carved wood column base for the Morgan Library, NYC; hydrocal. Cameron Noriega Atelier



Architectural elements; rigid polyurethane. The Crowning Touch

Restoration Of Interior & Exterior Molded Ornament



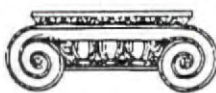
Custom Molds & Models
Concrete, Plaster, FRP, GFRC
Design/Fabrication/Installation
Masonry Restoration
Flat & Ornamental Plaster

Our work includes: Grand Central
Station, Pierpoint-Morgan Mansion,
N.Y. University
Call for a quote on your project.

Towne House Restorations
475 Keap Street
Brooklyn, NY 11211
(718) 599-4520

WRITE IN NO. 750

HOBOKEN BROWNSTONE COMPANY INC.



ARCHITECTURAL SCULPTURE
RESTORATION • FABRICATION • MOLDMAKING • CASTING
— RECREATION OF —
ALL TYPES OF ORNAMENTAL STONE, TERRA COTTA, PLASTERS
NATURAL & COMPOSITE MATERIALS

16 Yale Avenue, Jersey City, NJ 07304

Fax: (201) 435-8885

(201) 435-2455

WRITE IN NO. 735

MOLD RUBBER FOR PLASTER, CONCRETE & RESINS

1:1 MIX • CAPTURES EXCEPTIONAL DETAIL • LOW COST • LONG MOLD LIFE

Easy to use liquid rubbers. Brushable or pourable

Polytek™

DEVELOPMENT CORP.

For **Free** Technical Tips mini-manual or specially
priced trial unit call (908) 534-5990, or write today.

Dept. T, P.O. Box 384 • Lebanon, NJ 08833

WRITE IN NO. 636

CUSTOM MILLWORK

- Mouldings
- Random width T&G flooring
- Panelling, Doors, Casework
- Native & Exotic Woods
- Both KD & Air Dried



DHM CABINETMAKERS, INC.
FINE FURNITURE & INTERIORS

ROUTE 4, BOX 173, DEPT. TB
FLOYD, VIRGINIA 24091
703-745-3825 FAX 703-745-3875

WRITE IN NO. 493

ORNAMENTAL PLASTER NEW/REPAIR/RESTORATION



We reproduce
and/or restore
medallions, capitals,
and any other orna-
ment. We also do
flat work restoration.
Call for details.

FRANK J. MANGIONE
21 John St., Dept. TB
Saugerties, NY 12477
(914) 246-9863

WRITE IN NO. 741

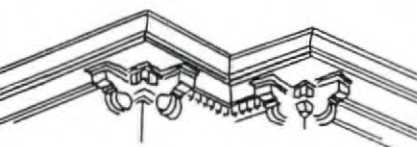
FENCE POST FINIALS

Distinctive wood finials in classic styles
• 4"-15" diameters • custom services available.



Call or write for brochure:
BOSTON TURNING WORKS
architectural woodturning
42 Plympton Street,
Boston, Massachusetts 02118
617-482-9085

WRITE IN NO. 475



L.H. Freedman Studios

Conservation & Casting
368 Congress Street, Dept. TB
Boston, Massachusetts 02210
(617) 426-8887

WRITE IN NO. 639

Antique Heart Pine Flooring
Original growth Southern Longleaf Pine
Quality assured.



Rt. 2, Box 119-AA, Micanopy, FL 32667
(904) 373-9663

WRITE IN NO. 253

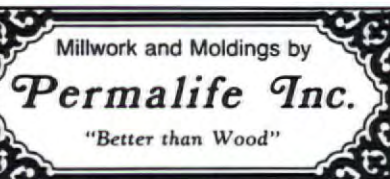
Custom Turning Service



we turn:
**Porch & Stairway
& Furniture Parts**
FREE BROCHURES
FREE QUOTES

National Decks, Inc.
P.O. Box 1125
Alfred, NY 14802
1-800-437-8876
607-587-9558
FAX 607-587-9398

WRITE IN NO. 482



Louver Vents • Sunbursts
Victorian Brackets • Door Surrounds
Much More

CUSTOM REPRODUCTIONS

Much higher density material
than other polymer moldings

Phone: (616) 245-0180
1701 Clyde Park S.W., Suite #5, Wyoming, MI 49509

WRITE IN NO. 744

You Won't Believe What You Can Do Because Of What We Can Do.

It's not granite,
marble or blown
urethane foam.
But it's rock-solid
and true to form.

*Classic
Carvings
incorporated*



20th Century technology
re-creates the best of
yesterday. Custom quality
(and quantity) products that
are easy to install, and can
be produced to fully comply
with today's building and
fire codes. On-site
replication capability.

For more information,
contact Classic Carvings™
in Chicago (312) 334-7797
or St. Paul (612) 688-6216

WRITE IN NO. 681



Quartersawn Clapboard Siding

Building Materials

Wide pine and hardwood flooring

Quartersawing

produces a vertical grain clapboard.

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

Also featuring...

Olympic's Machinecoat™ Exterior Pre-Finish for all types of siding.

Allows finishing prior to installation
with **10 year warranty:**

- Crack, Peel and Flake Resistant
- Washable without damaging finish
- Non-Yellowing

Granville Manufacturing

Company, Inc. • Established 1857
Granville, Vermont 05747

802-767-4747

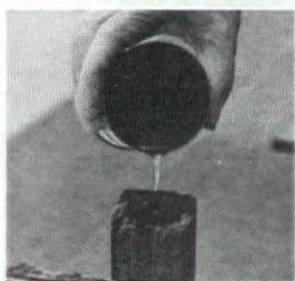
Call or write for free brochure

WRITE IN NO. 417

RESCUE DETERIORATED MATERIALS WITH ABATRON PRODUCTS

Here are 3 uses for Abatron's Restoration Products. If you've got a different problem, call us. It's likely we have a formulation that will do the job.

■ WOOD RESTORATION



LiquidWood and **WoodEpoxy** give new life to severely rotted window sill, sash, frames, shutters, columns, decorative wood elements. The Abatron system is especially valuable when original wood must be saved for historic reasons. **LiquidWood** consolidant reinforces and waterproofs by hardening after penetrating*. **WoodEpoxy** is a structural adhesive putty that fills, repairs, and replaces missing wood. It can be sanded, milled, stained, etc., like wood.

CONCRETE RESTORATION ■

ABOCRETE: A patching and resurfacing cement/grout structurally and chemically superior to concrete. Welds permanently to concrete, metal and wood. Patches & resurfaces floors, driveways, work areas, structures, columns, decks, corroded pitted and spalled surfaces for industrial, marine, institutional and residential uses. **ABOCAST:** A family of solventless resurfacing materials. **ABOCOAT:** The toughest protective coatings. Special versions available for applications in subfreezing weather.



■ CRACK-INJECTION



ABOJET: Series of structural crack-injection resins is a proven method to restore structural integrity to cracked load-bearing elements, such as foundations, abutments, swimming pools, concrete pipes, columns, and sculptures. **ABOJET** resin is injected into the crack, filling and welding it. **ABOJET** makes a permanent bond that is stronger than concrete.

Besides concrete, **ABOJET** can weld masonry, marble, stone, wood, ceramics, metals, stucco, and gypsum

♦ Call or write for additional information on these cost-effective restoration materials.

 **ABATRON, INC.**

33 Center Drive., Dept. TB, Gilberts, IL 60136
Phone: (708) 426-2200 FAX: (708) 426-5966

WRITE IN NO. 130

CHADSWORTH COLUMNS



Authentic Replication of
Greek and Roman Orders

Architectural Wooden Columns
Wooden Pedestals & Table Bases
French Gobelin Tapestries

Column, Tapestry or Table Base Brochure-\$2.00 each
All Three Brochures-\$4.00

Chadsworth Incorporated
P.O. Box 53268, Dept. 21
Atlanta, Georgia 30355
404-876-5410

WRITE IN NO. 18

The Wood Factory

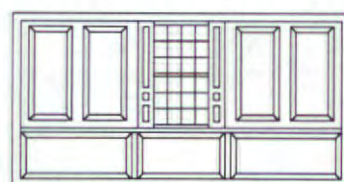
AUTHENTIC VICTORIAN
MILLWORKS

Screen Doors • Porch Parts
Custom Woodwork • Moldings
Ornamental Trim

Send \$2.00 for a Catalog
901 Harvard, Dept. TB
Houston, Texas 77008
(713) 863-7600

WRITE IN NO. 712

Maple Grove Restorations



Interior Raised Panel Shutters
Raised Panel Walls
Wainscoting

P.O. Box 9194 Bolton, CT 06043-9194
(203) 742-5432

Call or write for free information

WRITE IN NO. 563



Division 7
**MOISTURE
PROTECTION**

The best book about slate
roofs is:

SLATE ROOFS

It's full of well-organized information — historical, scientific, and practical. It is required reading for any roofer or homeowner. The price (ppd.) is \$11.95.

Vermont Structural Slate Company, Inc.
P.O. Box 98, Dept. TB
Fair Haven, Vermont 05743
(802) 265-4933

The 50 most beautiful Doorways in America.



Or anywhere! Our hand-carved doorways are the most beautiful available. In traditional Georgian and Federal styles from under \$2000 to \$8500. Carved overdoor motifs from \$350. Color brochure \$3.



One Thompson Square, P.O. Box 34
Boston, Massachusetts 02129
(617) 242-1711

WRITE IN NO. 389

MIDLAND ENGINEERING

SINCE 1922

**SLATE & TILE
ROOFING
SPECIALISTS**

52369 U.S. 33 North • P.O. Box 1019
South Bend, Indiana 46624

(219) 272-0200

WRITE IN NO. 742



Fancy Butt Hand-cut Shingles

Our low maintenance and high durability Western Red Cedar shingles will make your home beautiful and energy efficient. Seven historical patterns; fire treated available. Since 1946. Call or write for information

**South Coast
Shingle Company, Inc.**

2220 East South Street, Long Beach, CA 90805
(213) 634-7100

WRITE IN NO. 423

special report

Beating The Asphalt Shingle Blahs

While providing an economical roof, asphalt shingles just don't have sufficient texture and character to look pleasing on traditional structures. Here are some good-looking alternatives.

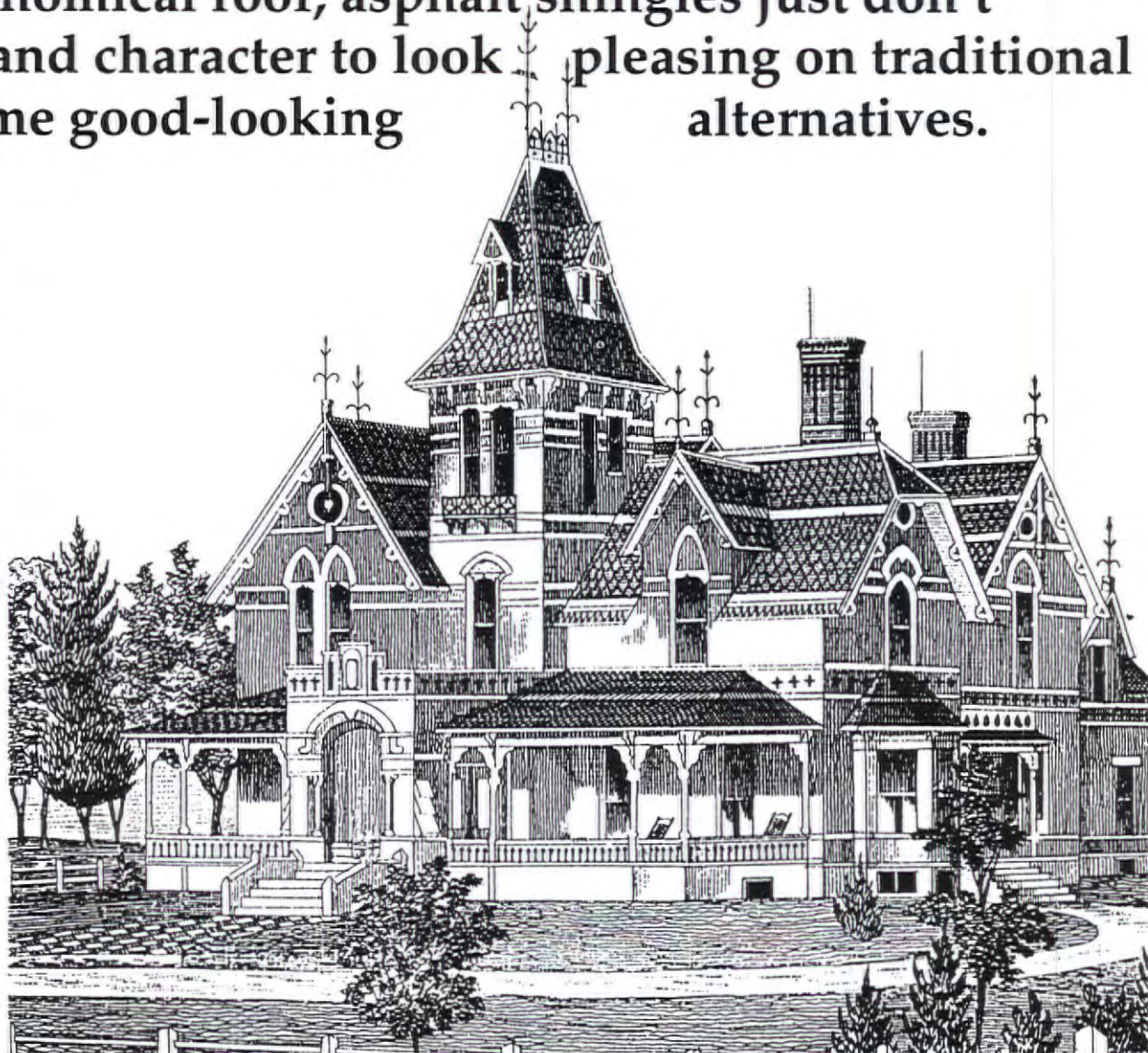
■ BY CLEM LABINE

Mention the need for roofing to most contractors and you'll get the reply: "What kind of asphalt shingles do you want?" This response is not surprising: Asphalt shingles represent an overwhelming 77% of today's roofing market on a square footage basis. By contrast, metal, clay, and concrete materials total a mere 8% of the roofing market, with wood shingles bringing up the rear at 1% market share.

But for traditional buildings, having that 9% of specialty materials available is critical. On most old and historically styled new buildings, the bland flatness of asphalt shingles just doesn't make it. (Recognizing that problem, CertainTeed has just come out with an extra-thick asphalt product called "Grand Manor Shingle.") Fortunately, the roofing market is big enough so that a 9% market share can support a lot of exciting product development in specialty materials — especially in concrete roof tiles.

Most of the traditional roofing materials are more durable than asphalt shingles — and more expensive. Thus, they find favor with building owners who have a long-range view and/or who put high value on aesthetics and durability. This breaks down into three basic market segments: (1) Restorations and additions to old buildings; (2) Institutional, government, and commercial structures; (3) High-end custom homes. When you're spending over \$1 million on a house, a roof that costs \$10 per sq. ft. doesn't add much proportionately to the cost. But premium-quality materials can add durability, provide a distinctive look, and offer low maintenance costs. The amount of roof that you see from the street is also a factor: High-visibility roofs benefit more from a distinctive material than do roofs that comprise a smaller part of a building's visible elevation.

In the roofing business, salvage materials are more important than in other areas of building products. Occasionally, you need only a few



square feet of tile to repair an old roof . . . and you can't find new tiles that will match. Or maybe you're planning an addition to a building that already has a slate or clay tile roof. Sometimes recycled materials give the best match. Some roofing producers, such as Vande Hey-Raleigh, have large supplies of salvaged tiles (concrete and clay) on hand, as well as natural slate. And many of the major roofing installers also have large inventories of recycled tiles and slates.

Who's Included In This Report

We haven't included suppliers of wood shingles in

this report; that was covered in the March/April 1991 issue. And although we are including metal shingles and tiles, we haven't included suppliers of flat metal standing-seam roofs.

Most of the companies included on the following *SourceList* are manufacturers, but we've also listed a few major roofing installers because they also maintain a large inventory of salvaged material, which can be very handy for repair and restoration jobs. The companies listed were selected from respondents to a detailed questionnaire — those most interested in serving the special needs of historical architects and contractors. ♦

**THERMO LIQUID COPPER
A PURE COPPER COATING**

Brookfield Zoo, Chicago, Illinois
Retrofit

Thermo Copper Coating is a unique, inexpensive alternative to copper metal sheeting — providing an attractive, long-life finish without the limitations, expense or problems of more traditional methods.

Specially formulated from acrylic resins and pure ground copper, it cures to form a flexible membrane with the bright, shiny appearance of a new copper penny. It ages with time and exposure to the elements like traditional copper sheeting. And, if preferred, the aging process can be accelerated to provide an attractive patina effect.

Thermo Copper Coating can easily be field-applied to roofs, mansards or walls, and substrates such as wood, metal, masonry, mineral surface roofing, granular and clay emulsion surfaces and composition shingles, or, can be baked on to metal substrates such as aluminum or galvanized metal in factory production.

Call or write Thermo Materials today to learn how you can put Thermo Liquid Copper to work on your next project.

**THERMO MATERIALS
INCORPORATED**

Box 9454, San Diego, CA 92109, 619/272-0061, Outside CA 800/882-7007 Fax: 619/276-0533

WRITE IN NO. 464



TRADITIONAL BUILDING'S SLATES, TILES & SHINGLES *SourceList*

CSI# 07300

■ BY CLEM LABINE

COMPANY	SPECIALTY	Literature	Flat Tiles & Slates	Round Tiles	Fancy Ends	Materials	New/ Salvaged	% Custom
Bellvale Slate Roofing P.O. Box 127, Dept. TB Bellvale, NY 10912 (914) 986-5107	Major consultant and installer of steep roofing systems — repair, restoration, and new projects. Slate, tile, copper and other traditional materials.	Free <i>Write in No. 679</i>	✓	✓	✓	All traditional materials	N/S	0%
Bender Roof Tile P.O. Box 190, Dept. TB Bellevue, FL 32620 (904) 245-7074	Extruded concrete roof tiles produced in Florida with Swedish technology. Integral color in each tile; fungus-retarding top coating provides deep colors, smooth surface, and long life. 23 colors; 50-yr. warranty.	Free	✓	✓		Concrete	N	0%
Berger Building Products 805 Pennsylvania Blvd., Dept. TB Feasterville, PA 19053 (215) 355-1200	Among many products, firm stocks the nation's broadest line of half-round metal gutters in copper, galvanized, and painted aluminum. Complete line of fittings, channel-type hangers, etc. Fully locked-seam inside & outside mitres in 4", 5", and 6" sizes. Snow guards in 7 styles.	Free <i>Write in No. 758</i>				Metal half-round gutters	N	0%
Cal-Shake, Inc. P.O. Box 2265, Dept. TB Irwindale, CA 91706 (800) 736-7663	Manufactures a lightweight fiber-cement Class A roofing shake that resembles cedar shakes. Carries an R rating of 2.4 and a 30-yr. limited product warranty. Comes in 4 woodtone colors; product available in sun-belt states and Hawaii.	Free	✓			Fiber-cement	N	0%
CertainTeed Corp. Shelter Materials Group P.O. Box 860, Dept. TB Valley Forge, PA 19482 (215) 341-7000	Has introduced a high-end fiberglass/asphalt shingle, called Grand Manor Shingle, that has extra depth and shadow line thickness. Provides a slate-like appearance when installed. Carries Class A fire rating.	Free	✓			Fiberglass/asphalt	N	0%
Conklin Metal Industries P.O. Box 1858, Dept. TB Atlanta, GA 30301 (404) 688-4510	Manufacturer of metal roofing shingles, including one pattern typical of late 19th-century homes. Also supplies galvanized roofing sheets, gutters, and leaders.	Free <i>Write in No. 714</i>	✓			Galvanized, Copper, TCS, Terne, Paintgrip	N	10%
Craycroft Brick Co. 2301 W. Belmont Ave., Dept. TB Fresno, CA 93728 (209) 268-5635	Natural clay tiles are produced in both flat and round shapes. Available in 8 styles and a variety of colors and tones.	Free	✓	✓		Clay	N	5%
Eternit, Inc. Excelsior Industrial Park P.O. Box 679, Dept. TB Blandon, PA 19510 (800) 233-3155	Integrally colored, fiber-cement shingles, 3/16" thick, that resemble natural slate. Come in 3 colors and 2 sizes, with a 30-yr. warranty.	Free	✓			Fiber-cement	N	0%
Evergreen Slate Co. P.O. Box 248, Dept. TB Granville, NY 12832 (518) 642-2530	Offers a full line of natural roofing slate in 11 colors. The company's extensive inventory allows it to match any color ever produced for reroofing or repair projects. Offers full architectural service and a complete line of slater's tools.	Free <i>Write in No. 713</i>	✓		✓	Natural slate	N	100%
FibreCem Corp. P.O. Box 411368, Dept. TB Charlotte, NC 28241 (704) 527-2727 (800) 346-6147	Manufacturer of non-asbestos fiber-cement simulated roofing slate in 3 styles: Southern Slate, Beaver Shingle, and Euro Slate. Southern Slate comes in 4 standard colors: Charcoal, pewter, silver, and sea green. Also available as siding and architectural panels.	Free <i>Write in No. 377</i>	✓			Fiber-cement	N	70%
Gerard Roofing Technologies 955 Columbia St., Dept. TB Brea, CA 92621 (714) 529-0407	Manufactures pressed steel roofing tile panels in rounded Mission tile and rustic shake patterns. Stone-coated finish comes in 8 solid colors and 7 blends. Lightweight (140 lb. per square) and come with a 40-yr. warranty.	Free	✓	✓		Galvanized with stone coating	N	0%
Gory Roof Tile 1100 Park Central Blvd. South Dept. TB Pompano Beach, FL 33064 (305) 975-7605	Extruded concrete tile with integral color and Class A fire rating. 90 standard colors and blends; shapes include Spanish-S and Barrel.	Free	✓	✓		Concrete	N	20%
Hilltop Slate Co. Rt. 22A, Dept. TB Middle Granville, NY 12849 (518) 642-2270	New York - Vermont region slate in all colors and sizes from their 7 quarries. Specializes in roofing slate for restoration and new construction. Ships anywhere in U.S. Also: Structural slate and flagging.	Free	✓		✓	Natural slate	N	100%
Ludowici-Celadon, Inc. 4757 Tile Plant Rd., Dept. TB New Lexington, OH 43764 (614) 342-1995	Produces roof tile in Spanish S, Barrel, Interlocking Shingle styles; 10 shapes in all; 24 standard colors available. Complete fittings and custom finials, terminals, and end caps.	Free	✓	✓	✓	Clay	N	35%
M.C.A., Inc. 1985 Sampson Ave., Dept. TB Corona, CA 91719 (714) 736-9590	Clay roofing tile manufactured in a variety of styles, including 1-piece "S", Straight Barrel Mission, American Flat, and Oriental. Colors include natural, flashed, and glazed finishes as well as custom colors.	Free	✓	✓		Clay	N	35%
Midland Engineering Co. 52369 U.S. 33 N. South Bend, IN 46637 (219) 272-0200	Supplier and custom installer of a full range of steep roofing systems. Specializes in large structures like churches, schools, and courthouses throughout the Midwest.	Free <i>Write in No. 742</i>	✓	✓	✓	All traditional roofing materials	N/S	0%
Monier Roof Tile 10503 Philadelphia Rd., Dept. TB Baltimore, MD 21108 (301) 335-8822	High-quality extruded concrete roof tiles manufactured at 16 plants located across the U.S. Produced in 6 basic styles and 24 standard colors and blends. Tiles pass the severe freeze/thaw test C67-72 Method 8. Carry 50-yr. warranty.	Free <i>Write in No. 718</i>	✓	✓	✓	Concrete	N	20%

continued on page 24



TileSearch™

Salvaged
Roofing and Flooring

TileSearch™ is the nation's largest computerized listing and selling service that provides *all* brands and shapes of the world's finest previously used clay roof tiles such as

Ludowici-Celadon™
Heinz • Mifflin-Hood
and other brands

- All colors — all shapes
- Quantities for small repairs or large projects
- No fee for listing
- We buy or sell

TileSearch™

Tel: (214) 242-7785
FAX: (214) 242-1923

1209 Carrol
Carrollton, Texas 75006

Ask for Melvin Mann

TM - Trademark of Ludowici-Celadon Co.

WRITE IN NO. 696

**Best Roof under the Sun,
under the Snow,
under the Wind,
under the Rain.**



Cotswold Stone Style



Early American slate and custom turret tile.

In our tradition as innovators of the best in Roof Tile products, the cold climate tile experts, Vande Hey-Raleigh adds 2 distinct new styles to their already impressive portfolio.

Our Cotswold stone tile, a perfect blend of grays, greens, and browns with "antiqued" surface, emulates the centuries old and most striking slate stone roofs which adorn the limestone barns, cottages, homes and churches of Cotswold, England.

We are also proud to introduce our English

Shingle using a 7½ x 15" non-tapered shingle, perfected by us to recreate the pattern and texture of the roofs that still brave the stormswept Atlantic coast of England and France.

Our English shingle blends terra cottas, browns, and blacks with a touch of French clay or any color you desire. Magnifique! All of our styles come as a complete system and with a 50 year warranty.

Again:

**Something Old...
Something New...**



English Shingle - Non-Tapered
Shingle manufactured to match an
existing tile used way back when.

Multi-colored staggered roof tile
Brown Green custom sequence.

VANDE HEY  **RALEIGH**

1665 Bohm Drive
414-766-1181

Little Chute, Wisconsin 54140
1-800-236-Tile (8453)

WRITE IN NO. 284

Rogers Roofing Co., Inc.

Established 1918

251½ GROVE AVENUE / VERONA, N.J. 07044
(201)744-0820 / 239-5001

- SLATE AND TILE ROOFS • CUSTOM COPPER WORK
• WATERPROOFING • WOOD ROOFS • GUTTERS AND LEADERS • CHIMNEYS
• COMPLETE EXTERIOR RESTORATION • SHEET METAL ROOFS

For Over 70 Years Quality Has Been Our First Priority

WRITE IN NO. 746

... the Past, the Present and the Future

the professionals' choice
since 1874;
nationwide delivery.

Berger offers the most complete line of Roof Drainage Products including our famous 1/2 round gutters and snowguards in copper, aluminum and painted galvanized steel.



For more information call or write:

Berger Building Products, Corp.

805 Pennsylvania Blvd. • Feasterville, Pennsylvania 19053
(215) 355-1200 • 1-800-523-8852 • FAX: (215) 355-7738

WRITE IN NO. 758

STEEP ROOFING SUPPLIES

Complete Source for ALL Traditional Roofing

- ◆ Slate and tile a specialty
- ◆ Large inventory of new and salvaged roofing
- ◆ Wood shingles
- ◆ Flat & standing-seam metal panels
- ◆ Fancy-butt tiles & shingles
- ◆ Concrete tile
- ◆ Fiber-Cement shingles
- ◆ Clay tile
- ◆ Snowguards
- ◆ Roofing tools



THE ROOF CENTER, INC.

5244 River Rd., Dept. TB, Bethesda, MD 20816
(301) 656-9231

WRITE IN NO. 747

continued from page 22

<div>  <div> <div>TRADITIONAL BUILDING'S</div> <div>SLATES, TILES & SHINGLES</div> </div> <div> <div>CSI# 07300</div> <div>SourceList</div> </div> </div> <div>■ BY CLEM LABINE</div>								
COMPANY	SPECIALTY	Literature	Flat Tiles& Slates	Round Tiles	Fancy Ends	Materials	New/ Salvaged	% Custom
New England Slate Company RD#1, Burr Pond Rd., Dept. TB Sudbury, VT 05733 (802) 247-8809	New and used roofing slate in all colors and sizes; custom sizes and shapes. Also furnishes slater's tools and supplies, and custom snow guards.	Free	✓		✓	Natural slate	N/S	25%
W. F. Norman Corp. P.O. Box 323, Dept. TB Nevada, MO 64772 (800) 641-4038	Original 1908 metal roofing shingles and tiles in 5 styles, including round Spanish tile and two unique Victorian flat shingles. Also related trimmings including cresting, finials, and end caps.	Free Write in No. 52	✓	✓		Galvanized steel, Copper	N	10%
Penn Big Bed Slate Co. P.O. Box 184, Dept. TB Slatington, PA 18080 (215) 767-4601	Supplies Pennsylvania blue-gray slate for roofs, as well as for structural purposes, flagging, blackboards, fireplace facings, and floors.	Free	✓			Natural slate	N	30%
RTS Company 1805 Newton, Dept. TB San Diego, CA 92113 (619) 696-0102	Makes five types of metal tile and shingle roofs: Spanish S-Tile, California Mission Tile, Slate Shingle, Flat Tile, and Standing Seam Shingle.	Free	✓	✓	✓	Aluminum, Steel	N	20%
Raleigh, Inc. 6415 U.S. Bus. Rte 20, Dept. TB Belvidere, IL 61008 (815) 544-4141	Specialists in installation of tile and slate roofs for restoration projects. Large stock of new and used tile, some dating to the late 1800's. Sells in large or small quantities and ships throughout the U.S.	Free Write in No. 580	✓	✓	✓	All traditional roofing materials	N/S	5%
Richmond Precast Concrete Products P.O. Box 37009, Dept. TB Richmond, VA 23234 (804) 275-8262	Manufactures Hendrick's Tile — a concrete tile that simulates the look of a slate or wood-shingle roof, while providing a Class A fire rating.	Free Write in No. 634	✓			Concrete	N	40%
Rising & Nelson Slate Co. Box 98, Dept. TB West Pawlet, VT 05775 (802) 645-0150	Quarrier and producer of Vermont colored slate: Semi-weathering green and gray, black, gray-black, unfading purple, variegated purple, unfading mottled gray-green, unfading mottled green and purple, unfading green, and red.	Free	✓			Natural slate	N/S	100%
Rogers Roofing 251-1/2 Grove Ave., Dept. TB Verona, NJ 07044 (201) 744-0820	Major roofing contractor with long experience with traditional roofs: Slate and tile, custom copper work, wood roofs, gutters and leaders, sheet metal roofs, complete exterior restoration.	Free Write in No. 746	✓	✓	✓	All traditional materials	N/S	0%
The Roof Center 5244 River Rd., Dept. TB Bethesda, MD 20816 (301) 656-9231	Complete line of steep roofing supplies, specializing in tile and slate. Large inventory of new and salvaged roofing material in all shapes and sizes.	Free Write in No. 747	✓	✓	✓	All traditional roofing materials	N/S	10%
Slate & Copper Services 70 Saxonia Ave., Dept. TB Wyckoff, NJ 07481 (201) 848-8898	Major specialist in copper and slate work for both restoration and new construction. Supplies roofing and flashing, gutters, finials, gutters, and snow guards — among other things.	Free Write in No. 721	✓			Copper, Slate	N	100%
Supradur Manufacturing P.O. Box 908, Dept. TB Rye, NY 10580 (914) 967-8230	Manufactures fiber-cement slates and shingles. Supra-Slate II and Heritage Slate are slate look-alikes with Class A rating and freeze-thaw resistance anywhere in N. America. Also available: Dutch Lap, Twin Lap and Hexagonal shingles as well as Mediterranean style clay tile.	Free	✓	✓		Clay, Fiber-cement	N	0%
Thermo Materials, Inc. P.O. Box 9454, Dept. TB San Diego, CA 92109 (800) 882-7007	Supplies Thermo Copper Coating — a finish of acrylic resins and ground copper that can be applied to other materials to create appearance of a patinated copper roof. Also: Material that will accelerate the patinating of raw copper.	Free Write in No. 464				Copper coatings, Copper patinating solutions	N	—
TileSearch 1209 Carrol St., Dept. TB Carrollton, TX 75006 (214) 242-7785	Computerized listing and sales service for all brands, sizes, and colors of previously used clay roof tiles. Quantities for small repairs or large projects.	Free Write in No. 696	✓	✓	✓	Clay	S	0%
Vande Hey-Raleigh Mfg. 1665 Bohm Drive, Dept. TB Little Chute, WI 54140 (414) 766-1181 (800) 236-8453	Broad line of extruded concrete roofing tiles in 7 basic patterns, including 2 new designs: Cotswold stone tile (a variegated gray/green/brown tile with antiqued surface), and English shingle (a blend of terra cotta, brown, black, and French clay). 20 standard colors and textures, plus custom manufacturing. Large stock of recycled slate, concrete, and clay tiles.	Free Write in No. 284	✓	✓	✓	Concrete, Clay	N/S	60%
Vermont Structural Slate Co. 3 Prospect St., Dept. TB Fair Haven, VT 05743 (802) 265-4933	Supplies unfading Vermont Grade A roofing slate in green, mottled green and purple, and purple. Standard thicknesses range from 3/16" to 1/4". Can also supply graduated-textural roofs with individual shingles of varying length and thickness (largest slates are placed near the eaves; smallest toward the ridge line).	Free brochure; Definitive book on "Slate Roofs," \$11.95 ppd.	✓		✓	Natural slate	N	100%
Zappone Manufacturing N. 2928 Pittsburg, Dept. TB Spokane, WA 99207 (509) 483-6408	Traditional-looking roofing systems in copper and aluminum. Decorative copper shingles for exterior and interior uses.	Free	✓			Copper, Aluminum	N	40%

The Ultimate Choice in Roofing



Non-asbestos Southern Slate® adds beauty, distinction and value to a structure by providing a striking, high class look at a cost lower than natural slate.

Made from a proven fiber-reinforced cement, FibreCem simulated slates can be installed in various Roofscaping™ designs (staggered butt or random design), they come with a 50-year limited transferable warranty and in standard charcoal, sea green, silver, and pewter colors.

Discover Southern Slate® today. Call 1-800-346-6147.

FibreCem Corporation
11000-I South Commerce Blvd.
P.O. Box 411368
Charlotte, N.C. 28241

FibreCem

Over 50 Years of Excellence

Also available: EuroSlate®, Beaver Shingles®, Building Panels, Siding and Fencing

WRITE IN NO. 377



WESTERN RED CEDAR
DOUGLAS FIR
REDWOOD • CYPRESS
MAHOGANY

Roofing • Siding • Decks • Trim

ROOFING FOR HISTORIC
PROJECTS A SPECIALTY

HIP & RIDGE CAP
STOCK & CUSTOM FANCY CUTS

CUSTOM ORDERS WELCOME

535 LIBERTY LANE
WEST KINGSTON, R.I. 02892
800-88CEDAR 401-789-6626



WE SUPPORT SUSTAINABLE &
RENEWABLE RESOURCE
MANAGEMENT



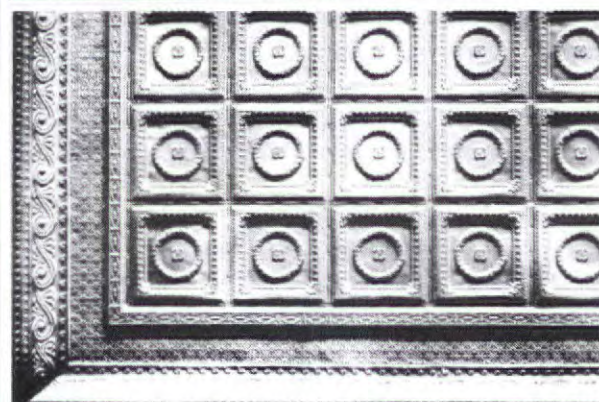
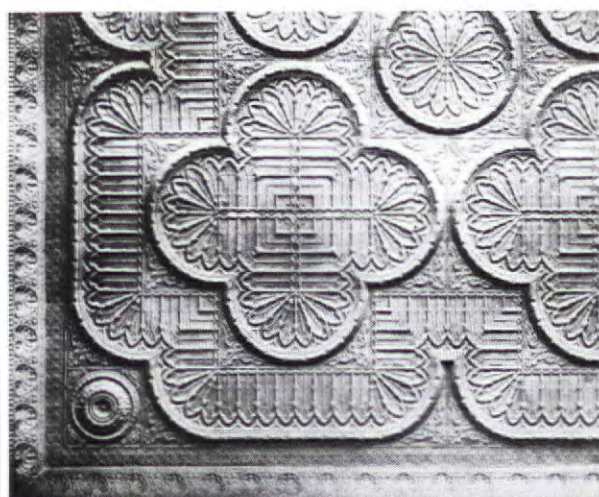
WRITE IN NO. 653

The Nation's Most Complete Collection Of

Architectural Sheet Metal

Decorative Metal Ceiling & Wall Panels

Hi-Art™ Steel Ceiling systems are made using original 80-year-old dies. The Hi-Art™ line includes center plates, corner plates, border plates, cornice and filler plates — permitting classic designs proportioned for an exact fit. Over 140 patterns in either steel or copper.



Write for 72-page Sheet Metal Ceiling Catalog.
Or Circle No. 52

Pressed Metal Siding

Pressed metal siding from turn-of-the-century dies: lightweight, durable, economical. Brick, Rock-Faced Brick, Pitch-Face Stone, and Cluster Shingle.

Write for Pressed Metal Siding brochure.

Sheet Metal Ornaments

Our 94-year-old line of sheet metal ornament contains over 1,300 items available in zinc or copper.

★ Cornices ★ Window Hoods ★ Moldings ★ Lintels
★ Capitals ★ Brackets ★ Corbels ★ Rosettes
★ Balusters ★ Urns ★ Capitals ★ Festoons ★ Finials
★ Scrolls ★ Leaves ★ Friezes ★ Canopies
★ Marquees ★ Glass pendant frames ★ Cresting
★ Garlands ★ Panel Ornaments ★ Lion Heads
★ Conductor heads & fittings ★ Weathervanes



Send for 84-page Sheet Metal Ornament Catalog.

Metal Roofing Shingles

Original 1908 line of metal roofing shingles... available in galvanized steel or solid copper. Spanish Tile, Mission Tile, Victorian, and Slate styles. Cresting, finials, and trim also available.



Write for Metal Shingles brochure.

Custom Reproductions

Our manufacturing process enables us to make reproductions of original panels on a custom basis... or to produce your original design. Call us to discuss your needs.

W.F. Norman Corp. P.O. Box 323 Nevada, MO 64772 800-641-4038

WRITE IN NO. 52

The Ward Quartersawn Clapboard

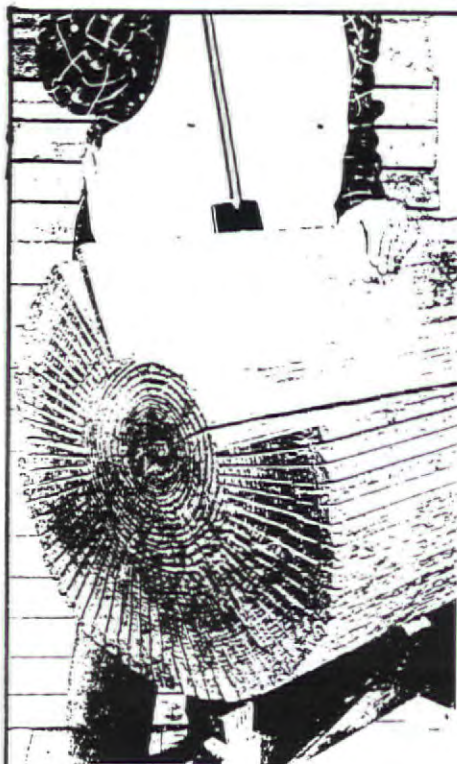
Authentically Produced
Early American Clapboards
for new construction and restoration

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 in your choice of color.



Ward Clapboard Mill

P.O. Box 1030
Waitsfield, VT 05673



Moretown, Vermont
(802) 496-3581
Patten, Maine
(207) 528-2933

WRITE IN NO. 665

Slate or tile roof problem?



18 YEARS EXPERIENCE: RESTORATION & REPAIRS

• COLLEGES • UNIVERSITIES • STATE & FEDERAL BUILDINGS •
• CHURCHES • HOSPITALS • RESIDENTIAL •
• STANDING SEAM COPPER ROOFS • FLAT SEAM COPPER ROOFS •
• COPPER GUTTERS • DOWNSPOUTS •

We have one of the largest inventories of salvaged clay and concrete tile in the U.S. Our crews will install your roof or supply tile to your contractor. Restoration is a practical and sound alternative to a complete roof replacement. Properly restored tile roofs are maintenance free for at least 50 years. **For your solution, call or write**

Raleigh, Inc.

6415 Bus U.S. Rte 20, Box 448, Belvidere, IL 61008-0448 • 815/544-4141 • 800/762-1227 • Fax 815/544-4866
2460 Remount Rd., Suite 111, Charleston, SC • 803/566-0712 • Fax 803/745-0011

WRITE IN NO. 580

TRADITIONAL ROOFING PORTFOLIO

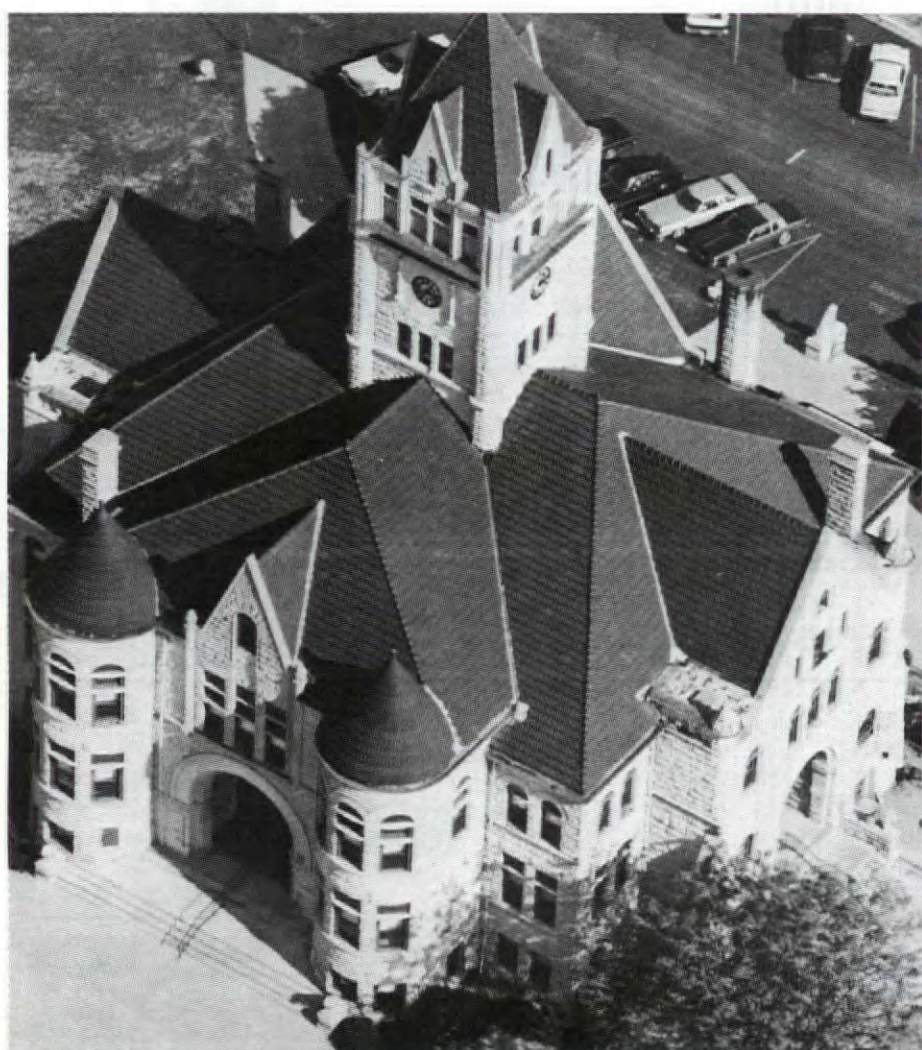
(Consult *SourceList* for contact information about companies illustrated.)



Mission "S" concrete roof tiles from Monier have the bold traditional high-barrel Spanish profile and variegated color



New Cotswold Stone concrete tiles from Vande Hey-Raleigh have the mottled dark gray-brown appearance of old weathered English tiles



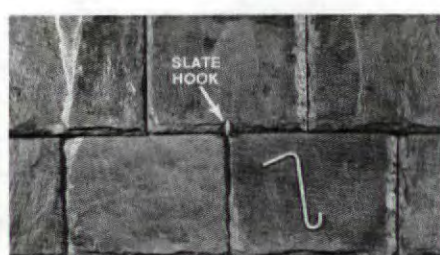
The magnificent red tile roof of the Fulton County Courthouse, Rochester, Ind., was totally re-roofed by Midland Engineering



Handmade Hendrick concrete tile from Richmond Precast Concrete Products have been used at Colonial Williamsburg to simulate wood shingles while adhering to fire codes



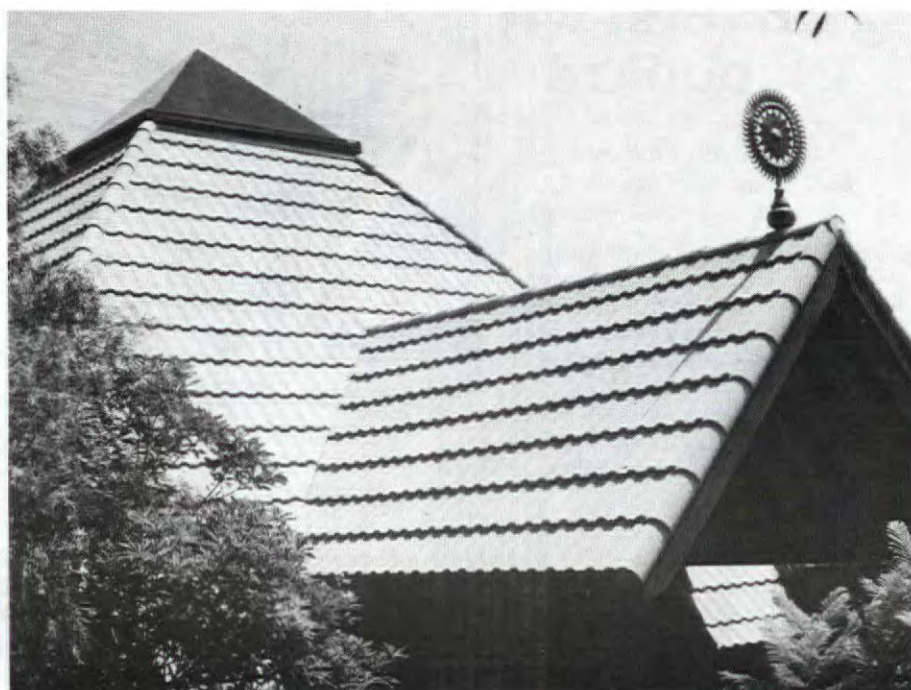
Fiber-cement slate substitutes from FibreCem Corp. come in many colors — permitting creation of Victorian-style patterned roofs



Besides a full line of roofing slate, Evergreen Slate supplies slater's tools and repair products, such as slate hooks



The line of 1908 metal roofing shingles from W.F. Norman Corp. include the Normandie style that resembles flat tile



Gerard Roofing Technologies makes steel roof tile panels in traditional patterns with a stone-coated finish for long life



The Espana 1-piece Mission "S" is just one of a series of natural clay tiles from Craycroft Brick Co.

Exclusive Manufacturers of HENDRICKS TILE

When nothing will do but the top-of-the-line,
professionals specify
Hendricks Handmade Concrete Roof Tiles.



Hendricks Tile is made in colors and textures selected for the individual job. They are hand-finished to achieve a unique, natural appearance. And within a year of installation, the tile weathers to a warm, mellow color that sets it apart from any other roofing product.

First made in 1926, Hendricks Tile today beautifies and protects fine homes all up and down the East Coast — including Colonial Williamsburg. The tile ages extremely well, even in freeze-thaw weather conditions.

A building roofed with handmade Hendricks Tile grows more distinctive with each passing year.

FINE GRAIN WEATHERED



An accurate reproduction of an old weathered wood shingle, including a light random growth of moss. This tile is appropriate for early American or Georgian Architecture. It may be used in restoration work or whenever a roof of traditional warmth is desired.

Random widths of 6", 7", 8"
Exposure length 7-1/2"
Butt thickness 1/2" to 5/8"
Weight 11 lbs per sq. ft.
Moss effect optional

COLONIAL ROUND BUTT

The practice of rounding the corners of roof shingles was a popular one among our early builders. They are used extensively today in a more durable form, to help restore prominent Colonial Architecture.

Random widths of 5", 6", 7"
Exposure length 7-1/2"
Butt thickness 1/2" to 5/8"
Weight 11 lbs. per sq. ft.
Moss effect optional



HAND SPLIT SHAKE TEXTURE



The heavy rustic appearance of this tile makes it a preferred one for Western and Contemporary design. Custom blended colors in browns, greys, reds and greens.

Random widths of 6", 7", 8"
Exposure length 7-1/2"
Butt thickness 1/2" to 7/8"
Weight 13 lbs. per sq. ft.
Moss effect optional

CONTINENTAL TILE

Well suited for formal Architecture of the European form such as French Provincial, English, Gothic and Spanish.

Custom blended in wide range of colors.

Widths as specified
Exposure length 8"
Butt thickness 1/2" to 5/8"
Weight 11 lbs. per sq. ft.



Richmond Precast Concrete Products Co.

P.O. Box 37099, Dept. TB
Richmond, VA 23234
(804) 275-8262

WRITE IN NO. 634

• TRADITIONAL PATTERN • METAL ROOFING SHINGLES



Authentic period design manufactured since 1894 only by **Conklin Metal Industries**.

• **WATERTIGHT • FIREPROOF**
• **LONG LIFE • EASY APPLICATION •**

Available in Galvanized, Paintgrip, Copper, Terne and Terne-Coated Stainless.

Also: A broad line of gutters, leaders and other metal roofing products.

SEND FOR BROCHURE & PRICES.

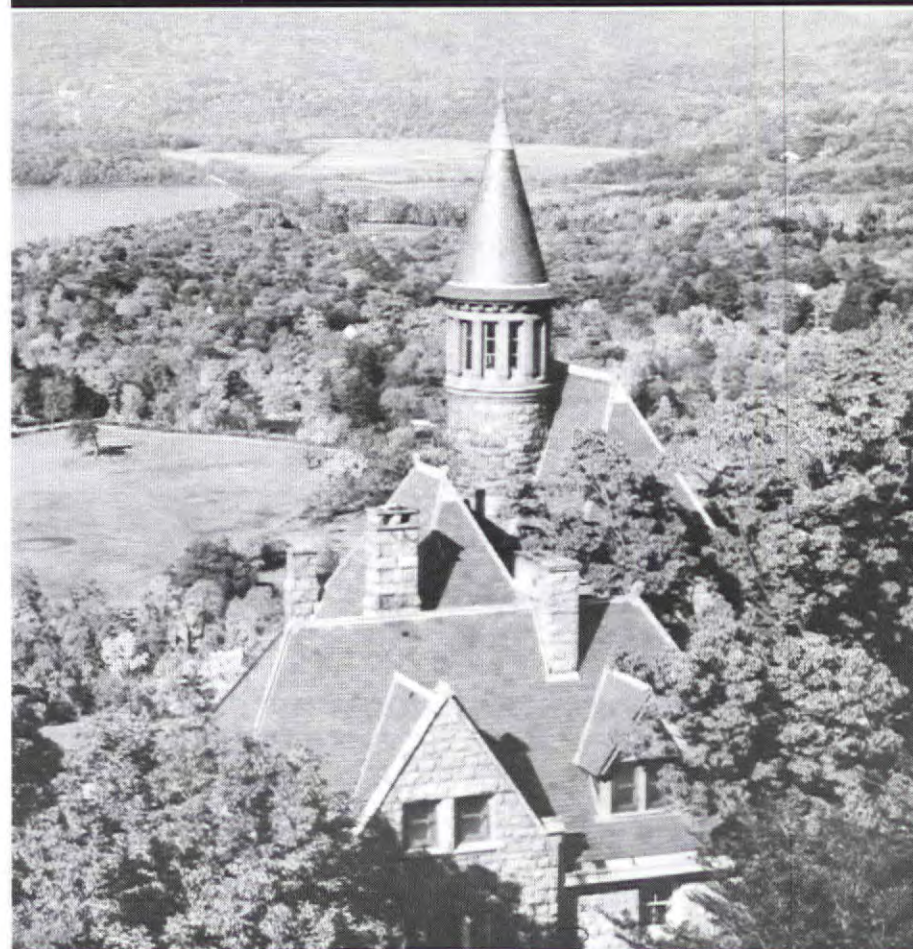
Conklin Metal Industries

P.O. Box 1858, Dept. TB, Atlanta, GA 30301
(404) 688-4510

WRITE IN NO. 714

Bellvale Roofing Slate

Roofing Slate and Copper Work for Historic Preservation. Accepted contractor by NYC Landmarks Commission. Limited number of projects per year to insure our standards of excellence.



Consultation available. For further information on system design, delivery, and cost estimate, call:

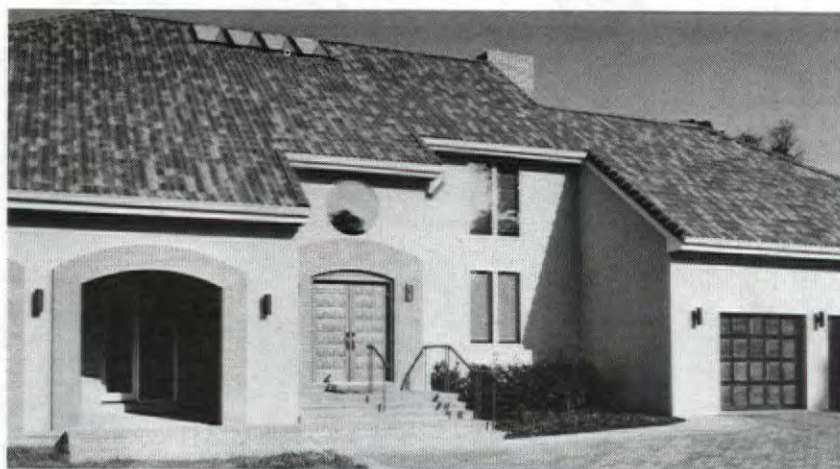
BELLVALE CONSTRUCTION CO.

Box 127, Dept. TB, Bellvale, N.Y. 10912 (914) 986-5107 FAX (914) 986-6709

WRITE IN NO. 679

MONIER ROOF TILE

The World's Largest Manufacturer of
Genuine Concrete Roof Tile



**MONIER Makes Rugged, Handsome
Roof Tile . . . Perfect For The Entire
Atlantic Coast Region**

MONIER ROOF TILE has the roofing solution for the progressive builder/developer. Cost effective and durable concrete tile — without sacrificing style and looks. MONIER sets the highest standards for tile designs in a multitude of exciting colors by combining stringent quality control with state-of-the-art manufacturing and distribution facilities near you. MONIER CAN NOW RESPOND IMMEDIATELY TO YOUR ROOFING REQUIREMENTS FROM OUR BALTIMORE, MD FACILITY.

CALL (TOLL FREE) 1-800-444-8453

MONIER ROOF TILE

10503 PHILADELPHIA ROAD BALTIMORE, MD 21237
Manufacturing & Distribution Facilities Throughout the USA

WRITE IN NO. 718

VERMONT ROOFING SLATE MAJOR GUARRIER & PRODUCER VERMONT PREMIUM NATURAL ROOFING SLATE & FLOORING

Sea Green, Grassy Green,
Mottled Purple, Heather Purple,
VT Grey Black, Truthville Red

Hilltop Slate Inc.

ESTABLISHED 1948

P.O. Box 201, Dept. TB, Middle Granville, NY 12849
Tel: 518-642-2270 Fax: 518-642-1220

VERMONT ROOFING SLATE

All Colors and Thicknesses

Semi-Weathering Gray and Green	Bangor Blue-Black Unfading Green	Vermont Black Mottled Gray	Red Flagstone Tile
Mottled Green and Purple	Royal Purple	Rustic	

Full Architectural Service

Also, Slating Tools — Cutters, Rippers, Hammers, Hooks.

EVERGREEN SLATE CO. Inc.

Granville, New York 12832 • "Since 1916" • Tel. (518) 642-2530
Quarries: Wells, VT • Shipping Station: Granville, NY • Office: 68 Potter Ave.

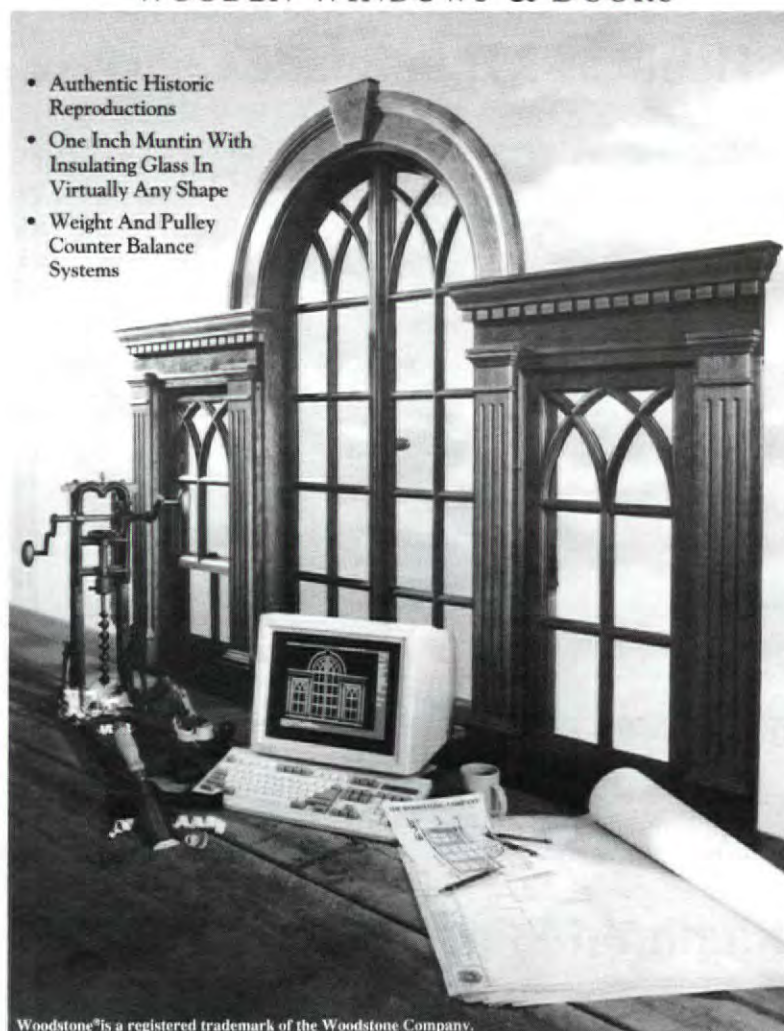
WRITE IN NO. 713



Division 8 DOORS & WINDOWS

TRADITIONAL & CONTEMPORARY WOODEN WINDOWS & DOORS

- Authentic Historic Reproductions
- One Inch Muntin With Insulating Glass In Virtually Any Shape
- Weight And Pulley Counter Balance Systems



Woodstone® is a registered trademark of the Woodstone Company.

W·O·O·D·S·T·O·N·E

DEPT T B, BOX 223, WESTMINSTER • VERMONT 05158
(802) 722-9217 • FAX (802) 722-9528
SEND \$3.00 FOR BROCHURE

VICTORIAN DOOR AND CABINET HARDWARE



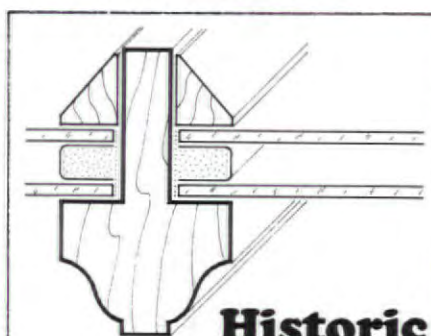
Our Victorian Door and Cabinet Hardware Catalogue has what we have found to be the most asked for hardware plus many hard-to-find items such as floor registers, bar rails, towel bars, stair rods and ice box hardware.

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

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

Also- Victorian Plumbing Catalogue, send \$3.

WRITE IN NO. 586



Historic Wood Windows

(718) 596-2313 • Fax (718) 596-0079

WRITE IN NO. 720



HOPE'S STEEL WINDOW HARDWARE

Scroll handles,
casement operators
and numerous other solid
bronze, heavy-duty items in
the original fine old designs.

Direct from "Hope's" the first steel
window maker in the U.S.A.,
established in 1912.

We carry a large stock. Also many
old patterns are available for special
orders. Call or write. Send samples if
possible.

HOPE'S
LANDMARK PRODUCTS INC.

84 Hopkins Ave., Jamestown, NY 14702
Phone (716) 665-6223 FAX (716) 665-3365

WRITE IN NO. 312

✉ To receive free
product literature,
fill out the Form on
page 50, or use the
enclosed Postcard.

LOOKING FOR "INVISIBLE" STORM WINDOWS?

HERE THEY ARE!

**Historic
Property Owners
Renovation Contractors**

You will see the energy savings
Not the Storm Windows

Match Any Color
Match Any Shape
Inside or Outside Mounted
Inside or Outside Removable
Screen and Glass
Fixed-Magnetic-Sliding-Lift Out
Unlimited Possibilities

ALLIED WINDOW, INC.

2724 W. McMICKEN AVENUE, CINCINNATI, OHIO 45214
(800) 445-5411 (TOLL-FREE)
(513) 559-1883 (FAX)

"Where custom work is standard"

WRITE IN NO. 69

REPLACEMENT SASH

Any size, or layout: circle, oval, gothic, or cottage. Sash or complete window unit. Custom mouldings, doors. Raised panel shutters, millwork to detail. Send sketch, specifications for price.

DRUMS SASH & DOOR CO. INC.

PO Box 207
Drums, PA 18222
(717) 788-1145

WRITE IN NO. 668

WINDOW RESTORATION IN OUR SHOP

- > EPOXY WORK
- > FRAME ROUTING
- > CONVERSION TO IG GLASS
- > PRIME COATING

COMPREHENSIVE TECHNIQUES
SHOP OR FIELD APPLIED

SERVING THE MIDWEST SINCE 1980

SPECIALTY GLAZING AND SUPPLY INC.
150 N SCHUYLER, KANKAKEE, IL 60901

(815) 937-5101

WRITE IN NO. 757

**HISTORICALLY
ACCURATE...**

...windows and special projects built by quality craftsmen to exacting detail. Competitively priced. Fast turnaround FAX us your specs for a quote.

**Midwest
Wood Products**

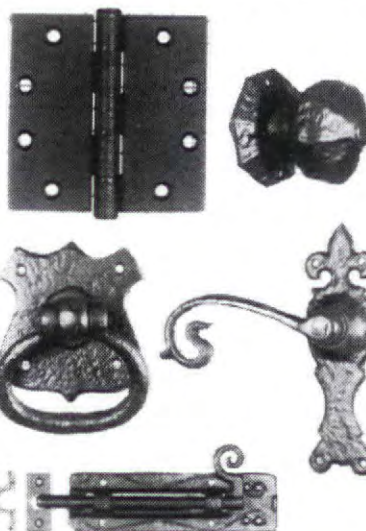
is now



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

WRITE IN NO. 146

**Antique
Builder's Hardware**



Handmade in England since 1855
Iron • Armour • Brass • Bronze

Lever Handles • Ring Handles • Sliding Bolts
• Coat Hooks • Push Plates • Keyhole
Escutcheons • Gate Latches • Grilles • Switch
Plates • Door Knobs • Hinges • Door Pulls •
Windows Fittings • Cabinet Hardware • Letter
Boxes • Knockers • Bell Pulls • Lamps

*Compatible Locks and Latches
with various backsets and functions*

Free Folder Illustrated 130 Page Catalog
\$15.00 sent by UPS

Maguire Iron Corporation

1517 Goldfield, Carson City, Nevada 89701
(702) 788-9544 or (415) 234-7569 • FAX (415) 232-7519

WRITE IN NO. 760



**Division 9
FINISHES**

CHESTNUT FLOORING

Custom Milled From
Antique Barn Lumber

Genuine and Remilled
Antique

Oak & Pine Planks
Antique Floors Installed
Hand Hewn Beams
Barn Siding
Have Dry Kiln

Dave Wasley
(203) 283-4209

WRITE IN NO. 648

Kevin Rutan's
FE FI FAUX, INC.
presents

WORKSHOPS

in faux finishes

3-day instruction in marblizing • wood
graining • wall glazing • fantasy finishes
offering complete instruction in all
aspects of faux finishes for both the
novice and professional

For information
(919) 272-3289
8:30-2:30 EST

337 S. Davie Street • Greensboro, NC 27401

WRITE IN NO. 449

■ TRADITIONAL BUILDING



- ARCHITECTURAL CARVING •
- HISTORICAL OR CONTEMPORARY •
- HAND-CARVED MILLWORK •
- RESTORATION EXPERIENCE •

P.O. Box 425 Lovingson, VA 22949
(804) 263-4827

WRITE IN NO. 752

**Some things were meant to
last longer than a lifetime.**

That's why we're dedicated to preserving
our cultural legacy through restoration and
preservation of:

- Monuments • Sculptures
- Historic Buildings
- Fountains

Conservation and Architectural
Engineering/Planning
Restoration Consultation

Creative Sculpture Design & Restoration
P.O. BOX 33077 KANSAS CITY, MO 64114
(816) 353-3385

WRITE IN NO. 638

**ARCHITECTURAL
FINISHING &
REFINISHING**

Interior — Exterior
Commercial — Residential

Specializing in:

- State-of-the-Art
stripping and
finishing techniques
- Antique restoration
and repair

Fully Insured

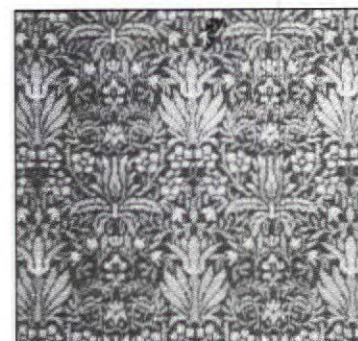
Peter Gedrys
12 Orchard Lane
Old Saybrook, CT 06475
(203) 399-5122

WRITE IN NO. 724



J.R. BURROWS & CO.
HISTORICAL-DESIGN MERCHANTS

617/524-1795

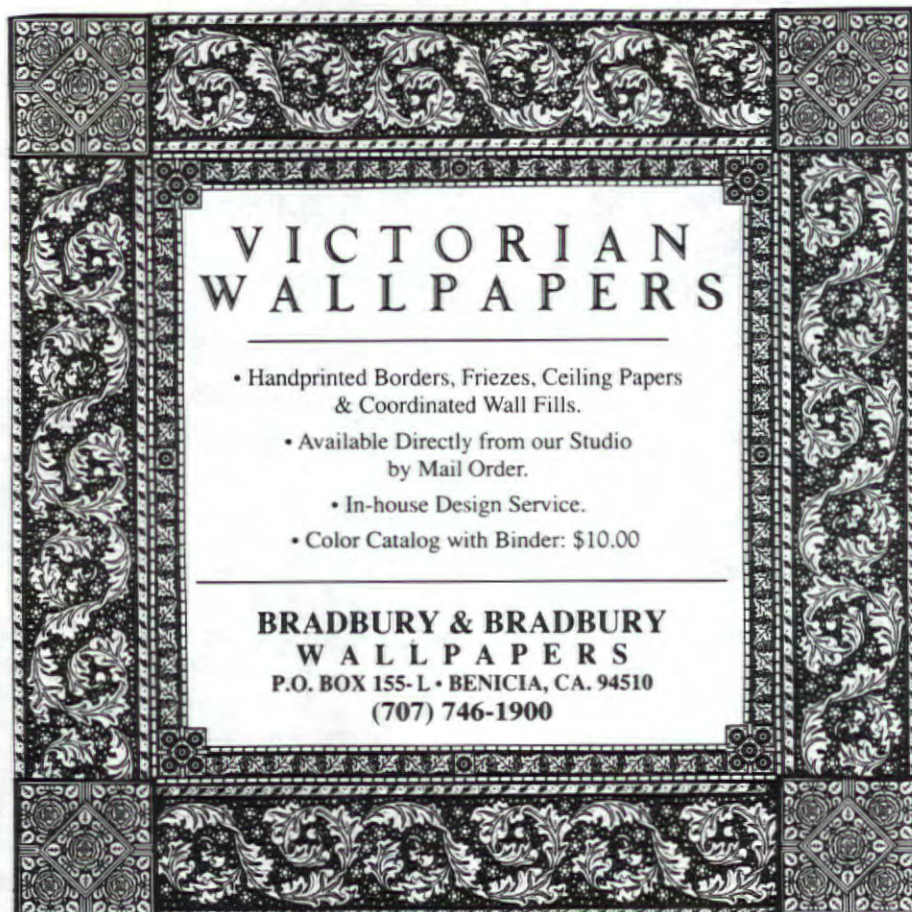


"Tulip & Lily Runner," William Morris c.1875

Burrows & Co. offers the restoration community an extraordinary collection of Wilton and Brussels carpets in nineteenth century patterns. Period pattern papers in the mill's archives are the source for a diverse range of designs from 1800 - the 1910's. Custom woven to order on antique looms in 100 tuft per inch worsted Wilton quality.

P.O. Box 1739, Jamaica Plain
Boston, MA 02130 Catalog \$5.00

WRITE IN NO. 693

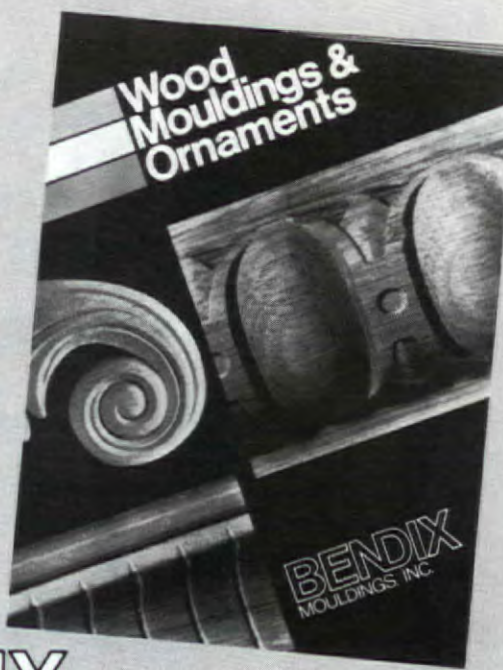


VICTORIAN WALLPAPERS

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

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

WRITE IN NO. 13



This
Catalog
should be
in
your files

Over 150 illustrations of
decorative wood
mouldings and ornaments
for every furniture need.
Write for your copy today.

BENDIX

MOULDINGS, INC.

37 Ramland Road South, Orangeburg, New York 10962
Tel: (914) 365-1111 • 1-800-526-0240 • Fax: (914) 365-1218

WRITE IN NO. 578



*Over 200
Years In The
Making*

Until it all but disappeared,
Southern Longleaf Heart Pine was
the "wood of choice" of the more
discriminating Colonial craftsman.
Now, The Joinery Company makes
antique heart pine available in
faithfully reproduced flooring,
millwork, cabinetry, furniture and
timber frames.

Send \$5.00 for our full color
portfolio that demonstrates our
old world standards of excellence
and quality. Credit card orders
accepted by phone. You can also
see us in Sweets Catalog. Let us
show you why Heart Pine should
be your "wood of choice."

THE JOINERY CO.

Antique Heart Pine Flooring

P.O. Box 514-CHJ • Tarboro, NC 27886 • (919) 823-3306 • To order our portfolio call 1-800-726-7463



PIETRA DURA, INC.

RESTORATION OF
LANDMARK BUILDINGS
AND
MONUMENTS IN STONE
- ALL PHASES -
(212) 475-3180

WRITE IN NO. 745

Architectural Sculpture In Indiana Limestone




Sculptor Adrian Ionita, classically
trained in Italy, creates archways, lin-
tels, brackets, and other architectural
embellishments. Carved mantels and
overmantels a specialty.

Call to discuss your current project.

ARCHITECTURAL SCULPTING, INC.
2243 S. Troy St., Dept. TB
Chicago, IL 60623
(312) 522-4845 FAX (312) 522-3738

WRITE IN NO. 725



HISTORIC FABRICS & WALLCOVERINGS

WITH
DOCUMENTED, SCREEN PRINTED
FABRICS, FRIEZES AND BORDERS
*Available Through
Decorators and Fine Stores Everywhere
Brochures Available*

RICHARD E. THIBAUT, an *rpm* Co.
705 S. 21 ST., IRVINGTON, NJ 07111 (201) 399-7888

WRITE IN NO. 42

Jack Wallis' Door Emporium



NEW CATALOG!
Excellence in Handcrafted Doors
& Stained Glass
Send \$4.50 For Catalog
RT. 1 BOX 22A MURRAY, KY 42071 502-489-2613

To receive free
product
information,
use the enclosed
Card or
the Form on
page 50

*The Entire
July/August
Issue
Devoted To
The Victorian
Revival*

special report



CARVED ARCHITECTURAL ORNAMENT

Whether carved by hand or carved by machine, ornament that's been shaped under a hardened steel edge has a character and clarity that you don't find in molded ornament. But carvers are more skilled at executing some styles than others.

■ BY CLEM LABINE

When one thinks of hand carvers, one's mind automatically conjures up visions of the legions of anonymous artisans who carved figures for the Gothic cathedrals. Looking upon those medieval carvings today, people are likely to exclaim: "They don't do work like that any more!" While it's true that there are no longer *legions* of hand carvers around, they certainly do exist — as this survey shows. And if the budget permits, you can get hand carving created today that will rival the work done in any previous era.

In addition, technology has had a major impact. Multiple-spindle carvers, such as those used by Raymond Enkeboll Designs, can turn out crisply carved wood embellishments — and at moderate prices.

And in the high-tech arena, we've found one firm that's creating large-scale sculpture using CAD software to control cutters. Bill Kreysler, head of William Kreysler Associates, says: "We go directly from CAD output to the final carved object. No one else I know of has the ability to scale up CAD designs to the extent we do." (See page 38.)

Although we include some stone carvers on the *SourceList* (p. 32), we're going to confine our comments here to wood carving shops. Many of the principles that apply to selecting a wood carving studio apply to other carvers as well.

Types Of Wood Carvings

Wood carvings come in several levels of sophistication — and cost:

(1) EMBOSSED MOLDINGS — These can simulate simple carved moldings, although technically they aren't carved, since no material is removed during manufacture. Essentially, a heated roller presses a pattern into wood fibers that have been softened with moisture. Obviously, moldings produced in this fashion are the most economical.

(2) MACHINE CARVINGS — A variety of machines will carve wood mechanically, following a master guide or pattern. Some use mechanical chisels, others employ round cutter heads. Some beautiful moldings can be created in this way — carvings that to the untrained eye appear hand done. Stock machine carvings are relatively economical; however, the cost mounts if you need custom machine carvings because you have to pay for creation of the expensive master pattern.

(3) HAND CARVING — With hand carvings, the pattern emerges from the wood under blows from just a chisel and mallet. There are few limitations to line and undercut; just about anything a designer can conceive, a skilled carver can produce. Of course, hand carvings represent the most expensive type of architectural embellishment. On the other hand, for small quantities, hand carving can be less expensive than tooling up for machine carving.

Artist Vs. Production Shop

There are two basic types of carvers: Those who think of themselves as artists, and those who consider themselves production craftsmen.

The artist-oriented shop is primarily interested in producing one-of-a-kind works; the client is paying for the artist's creative expression. By contrast, the production-oriented shop is geared more towards the creation of traditional ornament — architectural embellishments that will enhance an overall design rather than become the focus of attention.

Both types of shop fill a need (and some of the larger shops can fulfill both roles). Just make sure you match the orientation of the shop to the needs of your job.

A good production carving shop will be able to supply detailed design and working drawings of carving that conforms to historic norms. Since many interior design and architectural firms don't have designers fluent in the fine points of traditional ornament, carving shops find it essential to be able to furnish detailed design service.

Of course, fair's fair: You should expect to compensate a carving shop for working drawings. Ian Agrell, a partner in Agrell & Thorpe, points out: "I'm happy to provide thumbnail sketches for free, but beyond that, we bill for design service at our regular hourly rate." This policy is only prudent, since every now and then a client will obtain working drawings from one shop, then peddle the drawings around to other shops looking for the lowest price.


What Are Those Chisel Marks?

If hand carving is involved, make sure the client understands that a hand-carved product looks different from a machine-produced item. In a world accustomed to plastic laminates, on more than one occasion a client has expressed dismay to see chisel marks on a hand-carved piece. The client was expecting to see the smoothness of a polymer surface, not evidence of the human hand. Although hand-carved pieces can be sanded to perfect smoothness, that's an option that must be specified.


Selecting A Carving Shop

When selecting a shop for hand carvings, Anthony Lombardo, president of Architectural Paneling, Inc., stresses the importance of determining the background of the carvers who will be doing the work. "Carvers who learned their craft in Europe are the best," Lombardo asserts. "There is no substitute for the skills you acquire when you learn your trade as a young person . . . and that's what the European apprentice system develops. For example, for carving cherubs, the Italian or French carvers are absolutely the best."

continued on page 38



DOUGLAS GEST RESTORATIONS, INC.



The Joiners Shop

Architectural Restorations
Reconstructions
Reproductions

Box 832, Norwich, VT 05055 (802) 649-2928

WRITE IN NO. 732

Wilson & McCracken
ARCHITECTURAL CARVING

5255 BUTLER ST. PITTSBURGH, PA. 15201
1-412-784-1772
1-800-783-1772



WRITE IN NO. 753



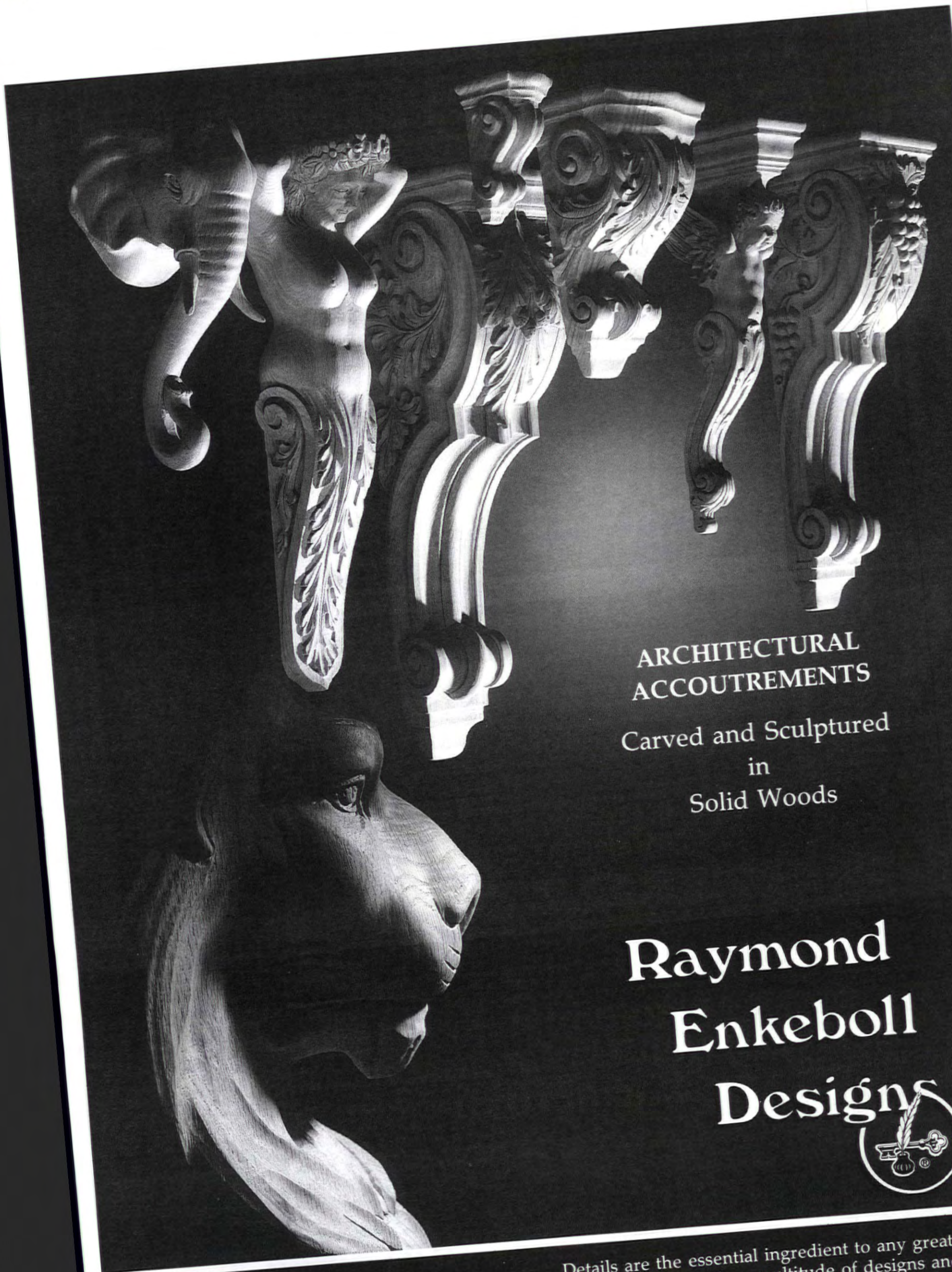
TRADITIONAL BUILDING'S ARCHITECTURAL CARVINGS *SourceList*

CSI# 09540

BY CLEM LABINE

COMPANY	SPECIALTY	Literature	Hand Carvings	Machine Carvings	Materials	Stock Elements	Custom Carving	% Custom
Agrell & Thorpe 10 Liberty Ship Way, #4116 Dept. TB Sausalito, CA 94965 (415) 332-7563	Classically trained British carvers create a full range of custom architectural embellishments, carved by hand in most types of wood. Among their work: Architectural capitals, carved paneling, brackets, Gothic tracery, lecterns, pulpits, and choir stalls. Restoration services.	Free <i>Write in No. 723</i> Free video available	✓		All wood types		✓	100%
Architectural Conservation 6 Sarnowski Dr., Dept. TB Scotia, NY 12302 (518) 370-0712	Custom studio deals in all phases of architectural sculpture and ornament; can carve originals from photos or drawings. Also pattern-making, mold-making, and casting. Duplicates or restores historic ornament.	Free <i>Write in No. 641</i>	✓		Many materials		✓	100%
Architectural Paneling 979 Third Ave., Dept. TB New York, NY 10022 (212) 371-9632	Complete design and manufacture of custom built-in furniture and complete paneled rooms. Also: Carvings, moldings, bookcases, fireplaces, and overmantels available in all woods.	Free <i>Write in No. 530</i> Video \$20; refundable	✓		All wood types	✓	✓	50%
Architectural Sculpting 2243 S. Troy St., Dept. TB Chicago, IL 60623 (312) 522-4845	Sculptor, classically trained in Italy, creates carvings in Indiana limestone. Archways, lintels, brackets, ornaments, etc. Does intricate carvings and figural sculpture. Extensive experience in restoration. Has designs for large carved fireplaces with overmantel panels.	Free <i>Write in No. 725</i>	✓		Indiana limestone		✓	100%
Art Home Studios 64 Huron St., Dept. TB Brooklyn, NY 11222 (718) 383-0603	Offers complete sculptural and architectural services, both carved and molded ornament. Staff sculptors and carvers are able to form a wide range of materials to match historic originals or architect's design. Small jobs or large.	Free <i>Write in No. 643</i>	✓		Various			100%
Bendix Mouldings, Inc. 37 Ramland Rd., Dept. TB Orangeburg, NY 10962 (800) 526-0240	Extensive line of carved and embossed pine and hardwood moldings and ornaments. Sold in lengths varying from 3 to 15 ft. Custom moldings — carved, embossed, or plain — supplied to quantity users.	Free <i>Write in No. 578</i>		✓	Various hardwoods, Obeche, Pine	✓	✓	10%
Cathedral Stone Co. 2505 Reed St. N.E., Dept. TB Washington, DC 20018 (202) 832-1135	Custom production of architectural carvings in limestone, sandstone, marble: Column capitals, pilasters, fireplaces, etc. All types of interior and exterior relief carving.	No literature	✓		Limestone, Marble, Sandstone		✓	100%
Creative Sculpture Design P.O. Box 33077, Dept. TB Kansas City, MO 64114 (816) 353-3385	Specialist in conservation and restoration of historic buildings, monuments, and sculpture. Can re-create damaged or missing areas of metal or stone. Cleaning, repair, and restoration services. Also: Site-specific sculptural commissions.	Free <i>Write in No. 638</i>	✓		Various		✓	100%
Cumberland Woodcraft P.O. Drawer 609, Dept. TB Carlisle, PA 17013 (717) 243-0063	Complete line of architectural carvings, including capitals, rosettes, ornaments, and custom carvings. In addition to carvings, the firm offers a complete line of fretwork, corbels, wainscoting and paneling, buttresses, and railing systems. Also: Bars, bookcases, mantels, and more.	Free <i>Write in No. 131</i>	✓	✓	All wood types	✓	✓	15%
Draper & Draper 200 Lexington Ave., Dept. TB New York, NY 10016 (212) 679-0547	Specializes in hand-carved mantels, both antique and reproduction. Custom hand-carved mantels in American, English, French, and contemporary styles. Professional discounts.	Free <i>Write in No. 533</i>	✓		Various woods		✓	20%
Elegant Entries 240 Washington St., Dept. TB Auburn, MA 01501 (508) 832-9898	Hand-carved mahogany panels; also available in rosewood and teak. Hand-carved mahogany corbels and sculpture. Company can carve to client's specifications.	Free	✓		Mahogany, Rosewood, Teak	✓	✓	10%
Raymond Enkeboll Designs 16506 Avalon Blvd., Dept. TB Carson, CA 90746 (213) 532-1400	Elegant carved architectural accoutrements, including balusters, newel posts, onlays, rosettes, panels, moldings, crowns, mantels, corbels, and more, in many designs and styles.	Free <i>Write in No. 577</i>	✓	✓	Maple, Oak	✓		5%
Douglas Gest Restorations Box 832, Dept. TB Norwich, VT 05055 (802) 649-2928	Fully staffed architectural woodworking shop that specializes in restoration and preservation services throughout New England. Can reproduce any architectural detail — including carvings.	Free <i>Write in No. 732</i>	✓		All wood types		✓	100%
Harding & Cogswell Corp. P.O. Box 714, Dept. TB Bedford, IN 47421 (800) 457-4040	A major designer and fabricator of Indiana Limestone building cladding systems. Will also execute custom carvings in limestone.	Free	✓		Indiana limestone		✓	100%
Himalayan Wood Carving P.O. Box 99, Dept. TB Peck Slip Station New York, NY 10038 (718) 727-1498	Designs and produces detailed ornamental wood carvings, with a variety of relief and 3-dimensional geometric, floral, and figurative motifs. From Nepal. Screens, bay windows, paneled doors, columns, mantels, etc.	Free	✓		Hardwoods		✓	100%
Wm. H. Jackson Co. 3 East 47th St., Dept. TB New York, NY 10017 (212) 753-9400	Specializes in custom hand-carved wood mantels in Early American, English, and French styles. Hundreds of designs; each unit can be modified to suit the individual project. Also: Antique carved wood and marble mantels.	Free <i>Write in No. 756</i>	✓		Various woods, Marble		✓	100%
Kenmore Industries One Thompson Sq., Dept. TB Boston, MA 02129 (617) 242-1711	Among the classically designed stock carvings available: Carved capitals on pilasters, carved dolphin, swag, basket of fruit transoms, & plaques, carved louver fans. Complete hand-carved classical entryways.	Free <i>Write in No. 389</i>	✓		Mahogany	✓		0%

continued on page 34



ARCHITECTURAL
ACCOUTREMENTS

Carved and Sculptured
in
Solid Woods

Raymond
Enkeboll
Designs



Photography by Tony Nelson

Catalog Available

To the Trade
FACTORY and SHOWROOM

16506 AVALON BLVD. • CARSON, CA 90746 • FAX (213) 532-2042 • TEL (213) 532-1400

WRITE IN NO 577

continued from page 32



TRADITIONAL BUILDING'S ARCHITECTURAL CARVINGS SourceList

CSI# 09540

BY CLEM LABINE

COMPANY	SPECIALTY	Literature	Hand Carvings	Machine Carvings	Materials	Stock Elements	Custom Carving	% Custom
Dimitrios Klitsas 705 Union St., Dept. TB West Springfield, MA 01089 (413) 732-2661	Highly detailed custom wood hand carvings for architectural embellishments, furniture, picture and mirror frames, chests, panels, plaques, etc. Carvings done in any style, on any wood, in any size specified by client.	Free <i>Write in No. 738</i>	✓		All wood types		✓	100%
Kreysler & Associates P.O. Box 173, Dept. TB Penngrove, CA 94951 (707) 765-1102	Architectural sculpture and molding shop with broad capabilities. Has a technique for using CAD files to drive cutters, allowing designer to go straight from computer model to final carved object. For certain jobs, technique is cheaper than molding.	Free <i>Write in No. 739</i>	✓	✓	Various		✓	100%
Larkin Company 210 Carter Dr., Unit 4 Dept. TB West Chester, PA 19382 (215) 696-9096	Architectural woodwork shop turns out a wide range of mantels, both standard and custom. Many of the mantels incorporate hand carving, which can be customized as client specifies. Standard woods include: Cherry, oak, walnut, and mahogany.	Free <i>Write in No. 537</i>	✓		All wood types	✓	✓	30%
Meeting House Restoration 11 Waterman Hill, Dept. TB Quechee, VT 05059 (802) 295-1309	Specialist in museum-quality restoration of antique furniture; reproduction of architectural woodwork and embellishments, including carvings.	Free	✓		All wood types		✓	100%
New York Marble Works 1399 Park Ave., Dept. TB New York, NY 10029 (212) 534-2242	Carving and fabrication of all types of interior marble products, including fireplaces, tiles, and other marble specialties.	Free	✓	✓	Marble	✓	✓	10%
Oak Leaves Studio P.O. Box 2356, Dept. TB Carmel Valley, CA 93924 (408) 659-0652	Specializes in one-of-a-kind high-relief architectural wood sculpture for such things as doors, panels, overmantels, and free-standing sculpture.	Free	✓		All wood types		✓	100%
Manuel Palos Sculpture 1330 Donner Ave., Dept. TB San Francisco, CA 94124 (415) 822-8034	A full-service architectural sculpture studio that, in addition to molded and cast ornament, can produce custom one-of-a-kind carved stone architectural embellishments and sculpture. Works in marble, limestone, and other materials specified by client.	Free <i>Write in No. 642</i>	✓		Stone as specified		✓	80%
Pietra Dura, Inc. 340 East 6th St., Dept. TB New York, NY 10003 (212) 475-3180	Specializes in architectural stone restoration, including retooling or recarving of existing moldings and carvings, honing weathered surfaces, re-creating and installing lost moldings and decorative elements in original material. Also: Moldmaking and casting.	Free <i>Write in No. 745</i>	✓		Stone, Other materials as specified		✓	100%
Puccio-European Marble Works 232 E. 59th St., Dept. TB New York, NY 10022 (212) 688-1351	Sculptor, designer, and consultant to design professionals on the uses of marble in architectural and interior applications. Creates custom fireplaces, stairs, bath tubs, and sculpture.	Catalog \$5	✓	✓	Marble		✓	100%
Readybuilt Products Box 4425, Dept. TB Baltimore, MD 21223 (301) 233-5833	Imports carved English mantels in oak and mahogany. Manufactures 50 styles of Early American, traditional, and Classical mantels in red oak and poplar.	Free <i>Write in No. 217</i>	✓	✓	Various woods		✓	25%
Renaissance Woodcarving 324 Ten Eyck St., Dept. TB Brooklyn, NY 11206 (718) 417-0583	Specialty woodcarver who can custom-carve any decorative element for furniture, paneling, mirror and picture frames, and architectural embellishments. All work done to client's specifications.	None	✓		All wood types		✓	100%
Ricketson Woodwork 100 Bidwell Rd., Dept. TB S. Windsor, CT 06074 (203) 289-1222	Major full-service architectural woodwork shop that provides design and production of all traditional millwork. As part of their service, the firm provides all types of wood carvings, including relief, pierced tracery, incised capitals, rosettes, and running patterns.	Free <i>Write in No. 719</i>	✓	✓	All wood types		✓	100%
Seekonk Studios 54 Seekonk Rd., Dept. TB Gt. Barrington, MA 01230 (413) 528-9135	Sculptural studio concentrates on carving architectural and sculptural forms from original samples or drawings. Works in any carveable material, such as wood, plaster, or stone.	None	✓	✓	Any material specified		✓	100%
Smither Studios Rt. 3 Box 292A, Dept. TB El Dorado Springs, MO 64744 (417) 876-5967	Offers complete restoration of limestone carvings. Also does custom carving, from Gothic and Art Deco architectural embellishments to one-of-a-kind sculpture.	None	✓		Limestone		✓	70%
Strasser & Associates 35 Hillside Ave., Dept. TB Monsey, NY 10952 (914) 425-0650	Specializes in architectural restoration and furniture. Also historic interiors. Can reproduce any architectural wood carving for fireplaces, doors, stairs, etc.	Free	✓	✓	Any wood specified		✓	90%
Jack Wallis' Doors Route 1, Box 22A, Dept. TB Murray, KY 42071 (502) 489-2613	A large stock of carved and handcrafted wood doors. Will also create custom doors to client specifications. Offers a selection of hand-carved architectural accents, and will also do custom wood carving.	Catalog \$4.50	✓		Wood	✓	✓	10%
Frederick Wilbur, Woodcarver P.O. Box 425, Dept. TB Lovingson, VA 22949 (804) 263-4827	Woodcarver specializes in serving architects and interior designers. Historic restorations, as well as more contemporary designs: Hand-carved millwork, doors, mural panels, modillions, capitals, moldings, mantels, etc.	Free <i>Write in No. 752</i>	✓		All wood types		✓	100%
Wilson & McCracken 5255 Butler St., Dept. TB Pittsburgh, PA 15201 (412) 784-1772	Major full-service architectural woodwork shop provides design and production of all traditional millwork. All types of wood carving, including relief, chip carving, pierced tracery, incised capitals, running patterns, and sculptural figures.	Free <i>Write in No. 753</i>	✓	✓	All wood types		✓	100%

Draper & Draper Ltd.



American Federal



19th Century
Polished Cast Iron



McIntire
American Federal



American Empire
Mahogany



Louis XV - 19th Century
Carrara Marble


**THE FINEST HAND-BUILT, HAND-CARVED, CUSTOM-MADE
MANTELS**

Draper & Draper, Ltd. 200 Lexington Avenue, New York, NY 10016
(212) 679-0547 FAX (212) 679-0549

Call or Write for Illustrated Brochure

WRITE IN NO. 533

British Classical Carvers




British Master Carver, Mr. Ian Agrell and Chief Carver, Adam Thorpe together with their staff, create traditional hand carved decoration for architecture and furniture to the highest European standards.

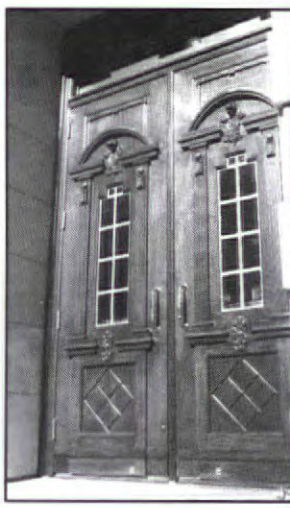
The workshop has undertaken commissions for such major British establishments as Kensington Palace, Ely Cathedral, the new Lloyd's Building in the City of London, and Trinity College of Music.

Their work also graces the residences and palaces of the Sultan of Brunei, the Sultan of Oman, the King of Jordan, and includes commissions for the Saudi Royal family.

AGRELL and THORPE, LTD.
 10 Liberty Ship Way, Suite 4116, Sausalito, California 94965
 (415) 332-7563

WRITE IN NO. 723






Doors of Distinction

Imagine the possibilities

Give your next restoration or new construction project an elegant finishing touch with finely crafted custom hardwood doors from Ricketson Woodwork. Preserve the integrity of your design with the natural warmth of wood crafted to exact specifications. From authentic hand-carved doors of intricate detail to raised panels with integral artwork applique, architects and designers are only limited by their own creativity. That

is the foundation of our custom door program. Master craftsmen with a world of select natural hardwoods at their disposal and your distinctive design . . .

Imagine The Possibilities.




RICKETSON WOODWORK
The Hartford Builders' Finish Co., Inc.
 100 Bidwell Road, South Windsor, CT 06074
 203-289-1222, Fax: 203-528-7863


WRITE IN NO. 719

Everything for the fireplace since 1827.

Offering a full line of reproduction Early American, English and French Mantels as well as Antique Marble and Wood Mantels.
 Plus a superb selection of accessories.



**HAND CARVED
WOOD MANTELS**
 ALL CUSTOM MADE
 Please send for our latest catalogs
 on mantels and accessories.
 No charge, of course



Just two styles from our vast collection, all authentic in design and exquisitely hand-crafted. Illustrations on request. State period of interest.

William H. Jackson Co.
 3 East 47th Street New York, NY 10017 • 212-PL3-9400
Wm. H. Jackson Company is not associated with any other firm or similar name

WRITE IN NO. 756

ARCHITECTURAL CARVINGS PORTFOLIO

(Consult *SourceList* for contact information about companies illustrated.)



Custom hand-carved wood mantel from William H. Jackson



This Corinthian capital was carved in limestone by Manuel Palos



Architectural wood moldings hand-carved by Frederick Wilbur



Elaborate 11 ft. x 9 ft. carved picture frame in Honduras mahogany created for the Frick Foundation by Wilson & McCracken



Carved marble "Dutchmen" inserted into damaged Georgia marble columns by craftsmen from Pietra Dura during restoration of Brooklyn Borough Hall



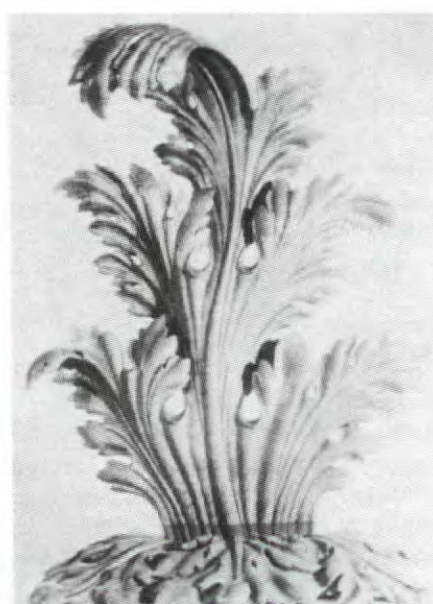
Carved white oak doors with gold leaf and limed oak finish by Oak Leaves Studio



Classical hardwood doorway carved by Kenmore Industries



An elegant Rococo hardwood detail carved by Agrell & Thorpe



Acanthus leaf wood carving by Dimitrios Klitsas



Deteriorated cast concrete bas-relief sculpture was restored with epoxies by Creative Sculpture Design & Restoration

continued on page 37

**ARCHITECTURAL
CARVINGS PORTFOLIO,**
continued from page 36



Mythological creature carved in marble by Cathedral Stone



Carved limestone Corinthian capital restored for the State Capitol in Topeka, Kansas by Smither Studios



Chimney piece handcarved by the classically trained craftsmen at Architectural Paneling, Inc.

Is Your Number Up?

If the code on your mailing label reads 02/01/99, that means your trial subscription to Traditional Building will end soon. To make sure you don't miss a single issue, fill out the Form on page 47.

**EXCLUSIVE DEEP-SCULPT MOULDINGS, CARVINGS
AND FIREPLACES IN WALNUT, CHERRY & OAK**

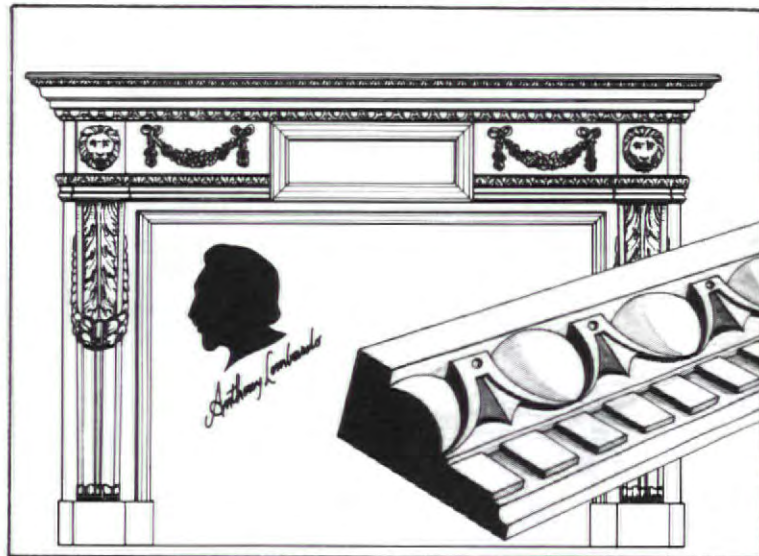
(Many in stock).

**56 PAGE CATALOG
AVAILABLE.**

If you get involved in any of the above then you will find this catalog most helpful. Send for your copy today.
Catalog \$10. deductible from first order.

NAME _____
COMPANY _____
ADDRESS _____
CITY _____
STATE _____ ZIP # _____

Video Tape Send \$20.00 (refundable)



ANTHONY LOMBARDO, PRES.,
ARCHITECTURAL PANELING, INC.

979 THIRD AVE., D & D BUILDING, NEW YORK, NY 10022
212-371-9632 • FAX: 212-759-0276

WRITE IN NO. 530



- Discover custom-designed meticulously hand-carved pieces of elegance.
- Carvings of any size, lovingly crafted for discriminating tastes and opulent surroundings.
- Lavish works for private corporate and ecclesiastical applications.



DIMITRIOS KLITSAS

Fine
WOOD
SCULPTOR

705 UNION ST. WEST SPRINGFIELD, MA 01089

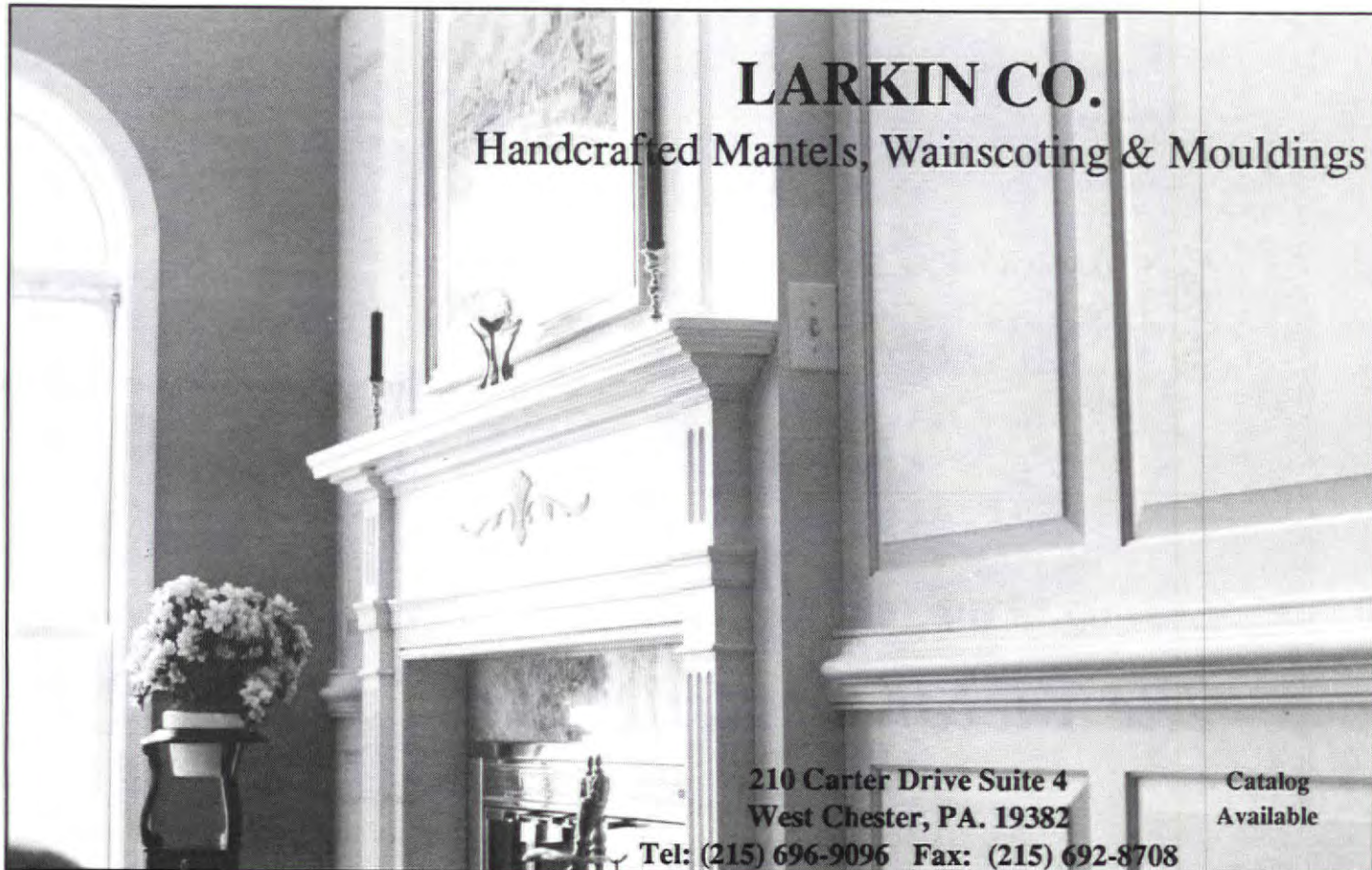
(413) 732-2661



WRITE IN NO. 738

LARKIN CO.

Handcrafted Mantels, Wainscoting & Mouldings



210 Carter Drive Suite 4
West Chester, PA. 19382

Tel: (215) 696-9096 Fax: (215) 692-8708

Catalog
Available

WRITE IN NO. 537

WORLD'S LARGEST VARIETY OF SOLID WOOD MANTELS.



- * METICULOUSLY HANDCRAFTED
- * EASY INSTALLATION
- * SOLID WOOD — NOT PLYWOOD
- * OVER 65 YEARS MANUFACTURING EXPERIENCE
- * FROM LOUIS XV TO COLONIAL TO MODERN
- * A STYLE TO FIT EVERY TASTE AND BUDGET
- * CUSTOM MADE UPON REQUEST
- * ASK ABOUT OUR COMPLETE WILLIAMSBURG WALL
- * SPECIAL DEALER & QUANTITY PRICES
- * FAX YOUR SPECS FOR A QUOTE — (301) 566-7170

Readybuilt Products Co., Dept. TB., 1700 McHenry St. Baltimore, MD 21223. (301) 233-5833



WRITE IN NO. 217

ARCHITECTURAL CARVINGS

continued from page 31

When evaluating samples of a shop's work, be sure the example is the same style as the work you're commissioning, stresses British-trained Ian Agrell. Carvers are more accomplished in some styles than others, he observes. "For example, in our shop I prefer to do the Gothic carving, while my partner, Adam Thorpe, enjoys the Rococo work."

In evaluating samples, there's also no substitute for experience in discerning the differences between excellent and mediocre work. In a panelled room, for example, it's not just individual carvings you're evaluating, but also the whole ensemble relates: Proportions, sizes of individual elements, the way the ceiling mirrors the wall, etc. ♦



This one-of-a-kind handcarved dragon fireplace 12' x 13', covering the entire wall was commissioned by actor Nicolas Cage for his S.F. residence. This superb limestone carving exemplifies Palos' master craftsmanship. Freestanding figures, bas-relief, plaques, monuments, busts, interior and exterior architectural details are available in marble, stone or bronze casting.



MANUEL PALOS SCULPTURE, INC.
1330 DONNER AVENUE, DEPT. TB
SAN FRANCISCO, CALIFORNIA 94124
415 822 8034 FAX: 415 822 9280

WRITE IN NO. 642

Coming in the July/August Issue:
The Victorian Revival

How To Sculpt A 33-ft. Colossus

How do you make a 33-ft. tall sculpture of a human figure — quickly and economically? Bill Kreysler, president of William Kreysler & Associates, says he's figured out a way. Kreysler has a system using CAD output to drive a cutter . . . the computer makes it possible to easily achieve scale-up factors of 15X and greater. The process can start with a laser-scanned image of a 3-D model . . . or read CAD drawings supplied by clients for architectural as well as sculptural shapes. (The process illustrated here could just as easily make a cornice.)

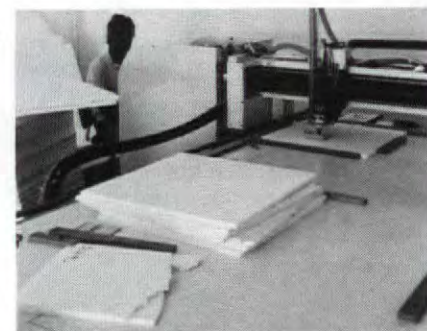
Here's how the system was used to make a huge figure for an amusement park in Japan:

1. A 30-in. model of the desired figure was scanned by a laser scanner to create a 3-D digital image. This image was then loaded into an AutoCad program. Slices through the body of the model as close as 1 mm apart let the sculpture be broken down into several hundred wafer-thin cross-sections.

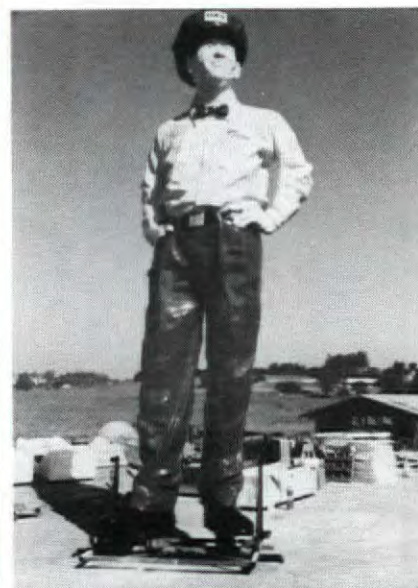
2. A CNC (Computerized Numerically Controlled) router reads the AutoCad .DFX files and cuts out cross-sections of the scaled-up 3-D digital image. Each slice of polymer foam is left inside its rectangular board so outside edges can be used as reference guides during gluing.

3. Labeled cross-sections are assembled and glued. After adhesive cures, scrap is broken off to reveal the slightly saw-tooth sculpture.

4. Saw-tooth edges are sanded, and a layer of fiberglass-reinforced polyester (FRP) creates a durable structural skin over the foam core.



5. After final glazing, priming, and finish, the completed 33-ft.-tall gas station attendant is ready to go on duty. (For details about William Kreysler & Associates, see Carvings SourceList on p. 34.)





Division 10 SPECIALTIES



special report: Cupolas & Steeples

CROWNING GLORIES

■ BY EVE M. KAHN



In a small town, a tall spire inspires awe; in an urban setting, elaborate towers compete for attention. Wherever you go, cupolas, steeples, and domes give buildings their highest chance to express themselves. But these superstructures also can give architects headaches. In addition to preventing water penetration, professionals must also choose a material, and manufacturers working in wood, metal, and FRP offer conflicting claims.

To help you decide which product suits your project, below we list some advantages and disadvantages of the different materials and give some thoughts on specs.

One piece of advice holds true no matter which material you pick: When you install a large unit, always invite the townspeople — and the media. Steeple-installation parties can be an enjoyable and easy way to attract publicity. Be sure, however, that you know exactly how the town will be celebrating the event with you: Tom Harris at Architectural Timber & Millwork was a hundred or so feet off the ground during one such celebration when the locals set off a Civil War cannon nearby. "We nearly jumped right off," he recalls.

For providing information for the chart below, we are grateful to Tom Harris at Architectural Timber & Millwork, Daniel Quinn at Skyline Engineers of Maryland, and John Marr at Country Cupolas (wood); Jerry Bennett of Campbellsville Industries (metal); James Bradshaw of Fiberglass Specialties; and Charles Wittman of Architectural Fiberglass Corp. (FRP).

MATERIALS FOR CUPOLAS & STEEPLES: ADVANTAGES & LIMITATIONS

General Notes

- Always consult a reputable manufacturer before developing specs
- Keep installation costs in mind; something that is cheap on the ground but costly to set in place is not a bargain
- Be wary of proportions, especially when dealing with cupolas. Common mistakes are cupolas that are too thin and tall, like telephone booths, or too small — basic rule is, no less than 1 in. of base width per 1 ft. of building length
- Allow for proper joint details. Major reason superstructures have been torn off historic buildings is that improper detailing led to water penetration. Also, where different materials touch, allow for different expansion rates
- Standing-seam cupola roofs are luxuries that look handsome but do not offer more protection than flat roofs; cupola louvers should be deep enough to keep out rain and wind, and roofs should be securely attached
- Remember that dark finishes, on any material, fade faster than light ones

WOOD

ADVANTAGES

- Historical material, suitable for traditional new construction as well as restoration
- Lasts centuries, if properly maintained
- Accepts intricate detail
- Easy to paint, infinite number of colors can be applied by amateurs
- Easy to repair, simple to combine new pieces with existing elements
- Small structures, i.e. cupolas, can be installed by amateurs

DISADVANTAGES

- Costly
- Restoration and fabrication work are time-consuming
- Will deteriorate if not painted regularly
- Heavy (3 times the weight of aluminum or FRP)
- Combustible

SPEC NOTES: • When restoring steeples, hire one knowledgeable firm to handle as many aspects of the project as possible, with as few subcontractors as possible: Every segment of a tower interlocks with the others, and coordination leads to a sounder structure

- Cupola louvers should be nailed and glued, not stapled

ALUMINUM

ADVANTAGES

- Usually less expensive than wood or FRP
- Light (1/3 the weight of wood)
- Relatively easy to repair, although usually must be fixed with replacement panels
- Noncombustible
- Wide range of finish colors available

DISADVANTAGES

- Not a historical material
- Details can be crude at close range
- Requires experts to install, and finishes (anodizing, various metal plating, baked-on coatings) require experts to apply and are difficult to touch up

SPEC NOTES: • Talk to manufacturer before developing specs regarding joints, anchoring details, and interior structure. Common mistakes are (1) not

being aware of how flexible the material can be and (2) over-engineering internal structure

- Various cladding materials are available: Copper and lead-coated copper are durable and can be soldered for intricate detail but must be isolated from aluminum; stainless steel is durable and friendly to other metals but difficult to work; Microzinc is compatible with aluminum, can be soldered, and is more flexible than steel, but it is not as flexible as copper and has to be worked in warm places; terne-coated steel can be soldered for good detail but steel core limits flexibility

FRP

ADVANTAGES

- Usually less expensive than wood
- Does not require experts to install
- 1/3 the weight of wood
- Impact resistant and easy to maintain; does not rot or rust
- Can be installed in large, unitized pieces, minimizing joints
- Class A fire-retardant laminates are available
- Color is integral, so no field paint required for at least 15 years

DISADVANTAGES

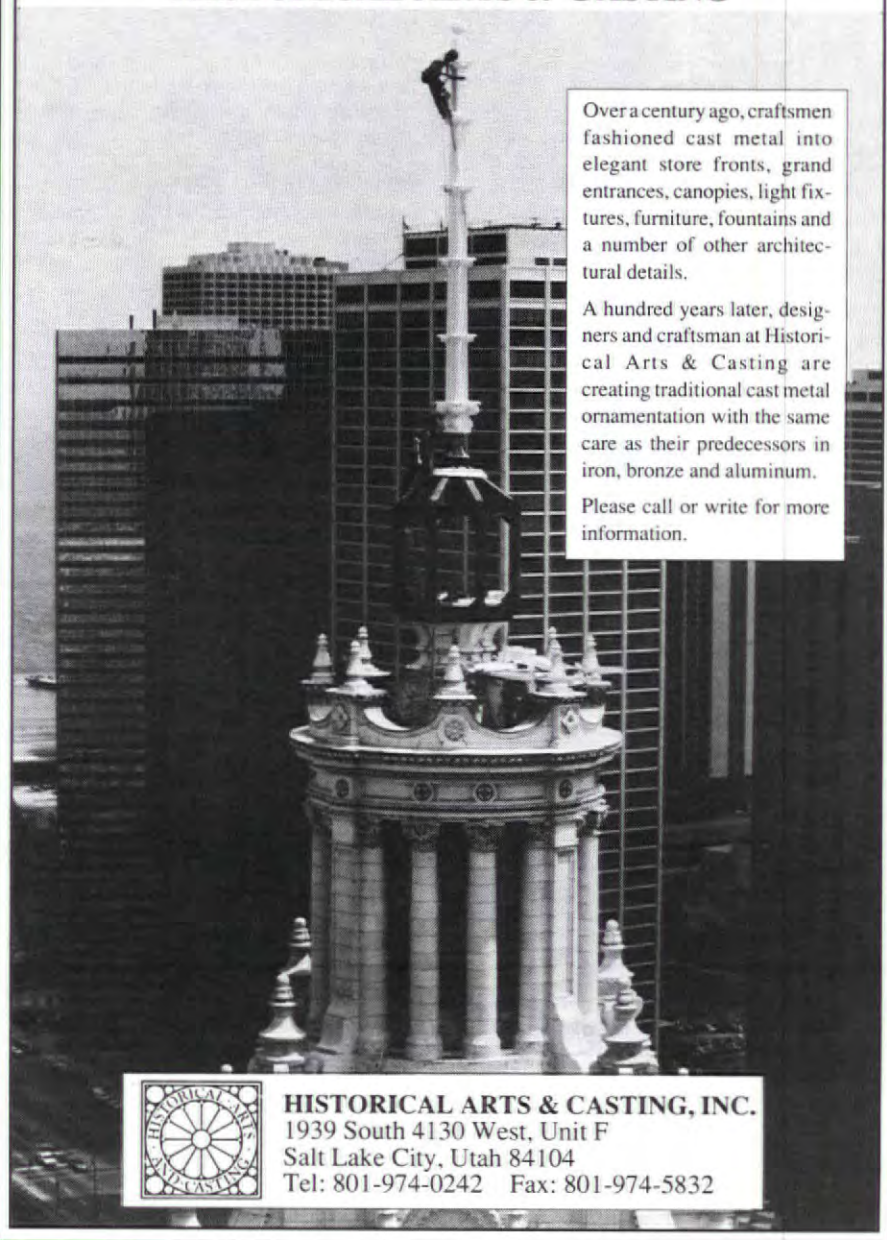
- Not a historical material
- Can be more expensive than aluminum
- Not all suppliers offer custom colors

SPEC NOTES: • Discuss project with manufacturer in early stages, to make sure the design is easily moldable (and hence cost-effective) — i.e., avoid return angles and undercuts

- Specify molded matte finish, rather than matte finish created after fabrication with surface-harming abrasives
- Specify premium-grade, UV-resistant, pigmented gel coats, or use catalyzed urethane or 100%-acrylic-emulsion paints
- High gloss can be regained with rubbing compound and wax

Note: The Fiberglass Fabrication Association's spec guides for architectural FRP will be available at the AIA convention in May

PRESERVING OUR PAST AND BUILDING THE FUTURE HISTORICAL ARTS & CASTING



Over a century ago, craftsmen fashioned cast metal into elegant store fronts, grand entrances, canopies, light fixtures, furniture, fountains and a number of other architectural details.

A hundred years later, designers and craftsman at Historical Arts & Casting are creating traditional cast metal ornamentation with the same care as their predecessors in iron, bronze and aluminum.

Please call or write for more information.



HISTORICAL ARTS & CASTING, INC.
1939 South 4130 West, Unit F
Salt Lake City, Utah 84104
Tel: 801-974-0242 Fax: 801-974-5832

WRITE IN NO. 121



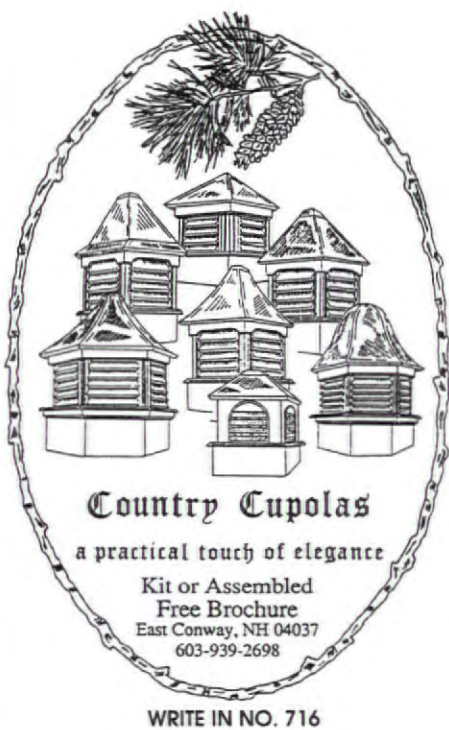
TRADITIONAL BUILDING'S SOURCELIST OF CUPOLAS, STEEPLES & DOMES

CSI# 10340

BY EVE M. KAHN

COMPANY	SPECIALTY	Literature	Materials	% Custom
Accent Millworks Box 2226, Dept. TB Ashtabula, OH 44004 216-992-7819	Cupola builders, with stock models ranging from 21 to 40 in. H and custom work "as big as a truck can haul." Roofing materials include copper, aluminum, wood, and asphalt. Also supplies custom and stock vanes.	Free	Redwood	15%
Architectural Conservation 6 Sarnowski Dr., Dept. TB Scotia, NY 12302 518-370-0712	Restoration studio specializing in ornament, with extensive experience on towers; also provides specialty roofing, woodwork, and restoration of stained glass, paint, and sculpture.	Free <i>Write in No. 641</i>	As specified	100%
Architectural Fiberglass Corp. 1395 Marconi Blvd., Dept. TB Copiague, NY 11726 516-842-4772	FRP specialists who manufacture replicas of sheet metal, cast iron, stone, terra cotta, and wood steeples and cupolas and related ornament, mainly for commercial and ecclesiastical projects.	Free	FRP	100%
Architectural Timber & Millwork 35 Mt. Warner Rd., Dept. TB Hadley, MA 01035 413-586-3045	Full-service restoration and fabrication of steeples, towers, domes: Survey, documentation, restoration and conservation specs, millwork, steel and timber framing, copperwork, stone, forged iron, bells, weathervanes, gold leaf. Specialists in on/off-site fabrication, restoration, rigging. Also: Extensive experience with weathervanes & finials.	Free <i>Write in No. 329</i>	As specified	100%
Campbellsville Industries Taylor Blvd., Dept. TB Campbellsville, KY 42718 800-467-8135	Major supplier of aluminum steeples and cupolas; has worked around country and holds world record for largest prefabricated steeple! Also clocks, louvers, crosses, finials, cornices, balustrades, urns, dormers, domes, towers; many stock designs. Extensive experience with weathervanes & finials.	Free <i>Write in No. 582</i>	Aluminum, copper, lead-coated copper, terne-coated steel, or Microzinc cladding over aluminum/steel frame	80%
Cape Cod Cupola 78 State Rd., Dept. TB N. Dartmouth, MA 02747 508-994-2119	Stock cupolas with pagoda, hip, or bell roofs and 4 or 6 sides, with molding around eaves and base; from 25 to 48 in. H, custom up to 76 in. H: \$60 to \$1048. Also over 100 styles aluminum and copper weathervanes.	Free	Pine with aluminum or copper roof	1%
Clarke County Metalsmiths 401 E. Main St., Box 641, Dept. TB Berryville, VA 22611 703-955-3666	Subsidiary of Clarke County Roofing and Guttering which fabricates steeples and other superstructures in sheet metal. Also builds all kinds of sheet-metal ornament, including finials.	Free	Copper, tin	100%
Colonial Collections 202 Idlewood Dr., Dept. TB Stamford, CT 06905 203-322-0078	Mail-order source of 4-sided cupolas with hip, bell, or pagoda roofs, in kit or assembled form, from 19 to 68 in. H. stock. \$75 to \$1,100 stock. More for custom. Large selection of full-bodied copper vanes (\$75 to \$300) as well as silhouette and full-bodied cast-aluminum vanes (\$32 to \$300).	Free <i>Write in No. 728</i>	Northern white pine with copper or wood roof	5%
Country Cupolas Dept. TB E. Conway, NH 04037 603-939-2698	Cupolas with pagoda, bell, gable, gambrel, or hip roofs, with louvers or openings. 4, 6, or 8 sides, from 19 to 68 in. H stock, custom to 96 in. H. Options include keystones, corner posts, cladding such as clapboard.	Free <i>Write in No. 716</i>	Northern white pine with aluminum, copper, or unfinished roof	25%
Denninger Cupolas & Weather Vanes RD 1, Box 447, Dept. TB Middletown, NY 10940 914-343-2229	Hand-crafted cupolas with hand-seamed copper roofs; specializing in historic reproductions and other custom work. Standard line has 4 or 6 sides, period molding, glazing (\$995 to \$3,295). Wide variety of weathervanes, from full-bodied copper to cast aluminum (\$40 to \$3,000). Custom silhouette vanes available in many materials.	Free <i>Write in No. 730</i>	Redwood or cedar with copper roof	50%
Edon Corporation 1160 Easton Rd., Dept. TB Horsham, PA 19044 800-523-2539 or 215-672-8050	Major manufacturer of FRP domes, steeples, and cupolas; has worked on large projects around the country, and can reproduce from originals or images. Also, line of 4 stock cupolas with 4 or 6 sides, bell or hip roof.	Free <i>Write in No. 189</i>	FRP	80%
Fiberglass Specialties Box 1340, Dept. TB Henderson, TX 75653 800-527-1459 or 214-657-6522	Major supplier of FRP steeples and cupolas; offers dozens of stock units (from \$1645 to \$16,540) as well as components. Steeples can have 4, 6, or 8 sides; windows or louvers, decorative panels, pilasters, columns, railings, urns, and vanes.	Free <i>Write in No. 731</i>	FRP	25%
Good Directions 24 Ardmore Rd., Dept. TB Stamford, CT 06902 800-346-7678	Stock cupolas, 4 or 6 sides, with hip, bell, or pagoda roofs. Sizes up to 36 in. base; 25-1/4 to 65 in. H. Large selection of full-bodied copper vanes; verdigris or polished finish. Company's weathervanes are designed to mount easily on their cupolas.	Free <i>Write in No. 734</i>	Northern white pine with copper or wood roof	0%
Historic Reproductions 2009 Quimby Ave. S.W., Dept. TB Canton, OH 44706 216-453-7363	Manufactures a bell-roof FRP cupola with glazing or louvers; units measure 42 by 99 in. Options include custom-colored gel coat for roof and/or body; laminated copper roof.	Send \$3 for brochure	FRP	5%
Kivett's Drawer 590, Dept. TB Clinton, NC 28328 800-334-1139 or 919-592-0161	33-year-old FRP steeple manufacturer: Options include windows, louvers, railings, and urns. Also cupolas with 4 or 8 sides, windows or louvers, pagoda or bell roofs.	Free	FRP	7%
William Kreysler & Assocs. Box 173, Dept. TB Penn Grove, CA 94951 707-765-1102	State-of-the-art FRP cupolas, steeples, domes, and ornament; can produce rough, natural-looking surfaces by adding custom-color aggregate to the gel coat. Works primarily on the West Coast, and has also built cupolas with GFRC.	Free <i>Write in No. 739</i>	FRP, GFRC	100%
Landmark Rigging Inc. 63 Main St., Dept. TB Florence, MA 01060 413-586-4121	Steeplejacks: Services include installation of copperwork, millwork, and slate; structural repair of timber frames, masonry restoration, painting, and gilding.	Free <i>Write in No. 759</i>	As specified	100%
J.C. Lauber 504 E. LaSalle Ave., Dept. TB South Bend, IN 46617 219-234-4174	100-year-old sheet-metal and FRP company that, along with fabricating industrial products, restores steeples: services include metal, tile, and slate roof work, gilding, and ornament and finial replication.	Free	As specified	100%
LMC Corp. 118 2nd Ave., Dept. TB Paterson, NJ 07514 201-279-3573	French-born metalwork company that has created domes, steeples, and ornament for major civic and religious buildings, including the Statue of Liberty, Borough Hall in Brooklyn, NY, and Manhattan's Police Building.	Free	Metal as specified	100%

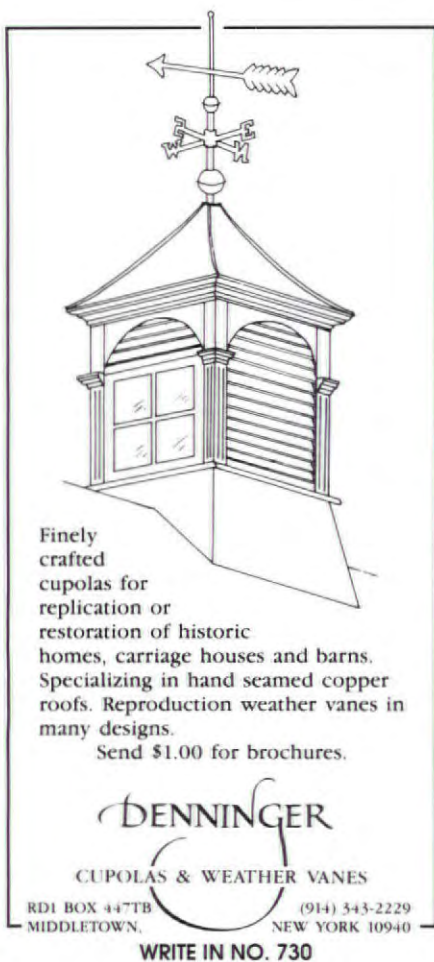
continued on page 42



Country Cupolas
a practical touch of elegance

Kit or Assembled
Free Brochure
East Conway, NH 04037
603-939-2698

WRITE IN NO. 716



Finely crafted cupolas for replication or restoration of historic homes, carriage houses and barns. Specializing in hand seamed copper roofs. Reproduction weather vanes in many designs.

Send \$1.00 for brochures.

DENNINGER
CUPOLAS & WEATHER VANES

RD1 BOX 447TB (914) 343-2229
MIDDLETOWN, NEW YORK 10940

WRITE IN NO. 730

Steeple & Baptistries

From the world's largest manufacturer of fiberglass church products

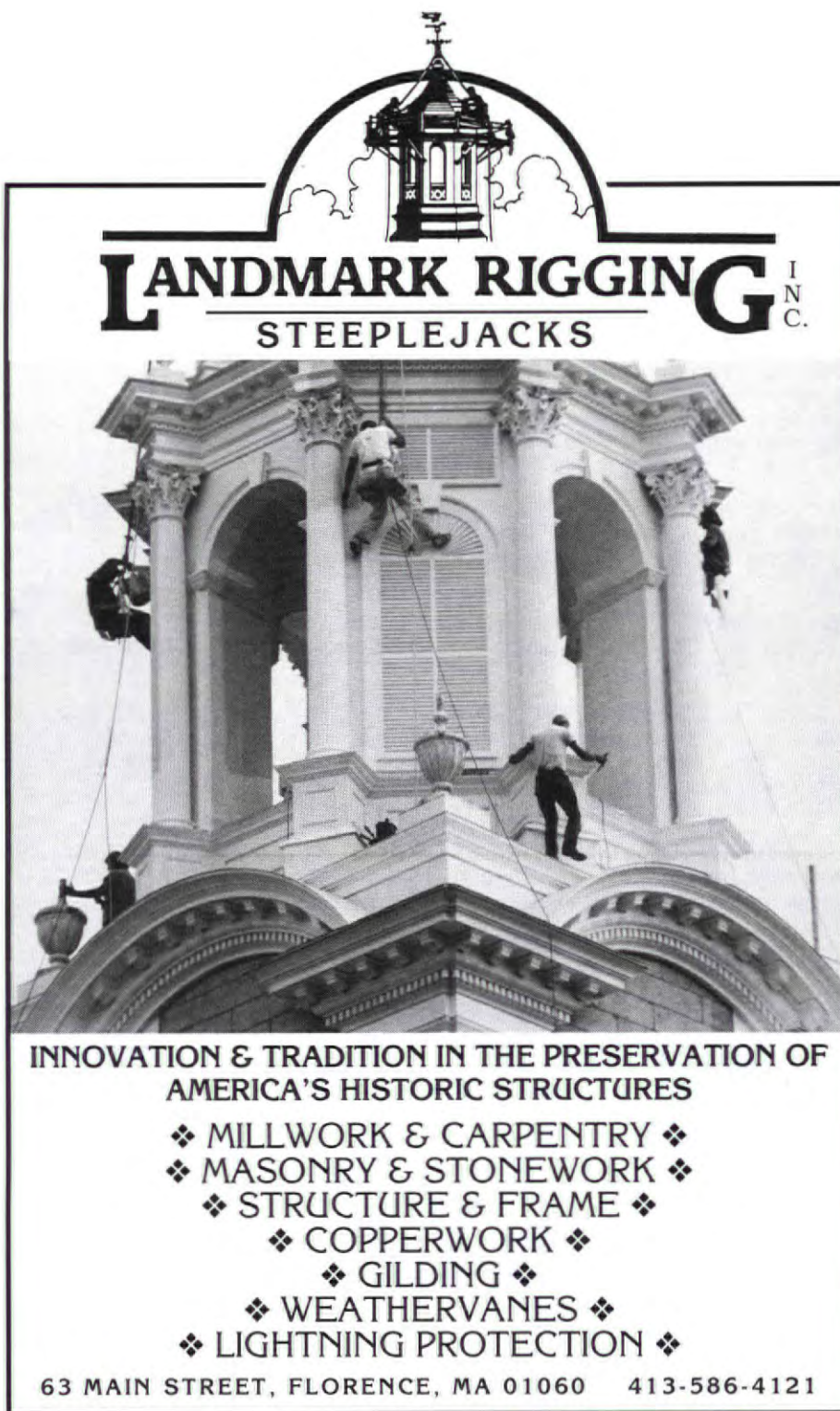
- Steeples
- Baptistries
- Lighted Wall Crosses
- Krinkglas® Windows
- Baptistry Heaters



Call or write for our free catalog
1-800-527-1459
P.O. Box 1340
Henderson, TX 75653-1340

FIBERGLASS SPECIALTIES INCORPORATED

WRITE IN NO. 731



LANDMARK RIGGING INC.
STEEPLEJACKS

INNOVATION & TRADITION IN THE PRESERVATION OF AMERICA'S HISTORIC STRUCTURES

- ❖ MILLWORK & CARPENTRY ❖
- ❖ MASONRY & STONEMWORK ❖
- ❖ STRUCTURE & FRAME ❖
- ❖ COPPERWORK ❖
- ❖ GILDING ❖
- ❖ WEATHERVANES ❖
- ❖ LIGHTNING PROTECTION ❖

63 MAIN STREET, FLORENCE, MA 01060 413-586-4121

WRITE IN NO. 759

Campbellsville Industries
-- the builder of world's largest prefabricated steeple --

▼ CUPOLAS

▲ STEEPLES

◀ DOMES

- custom fabrication
- delivery and installation
- variety of metals
- stock designs available
- historical reproductions
- baked on finishes

World's largest fabricator of CUSTOM METAL STEEPLES, CUPOLAS, AND DOMES

Other Campbellsville products:

- CLOCKS • BALUSTRADES
- LOUVERS • WEATHERVANES
- TOWERS • CORNICES
- CARILLONS • COLUMNS

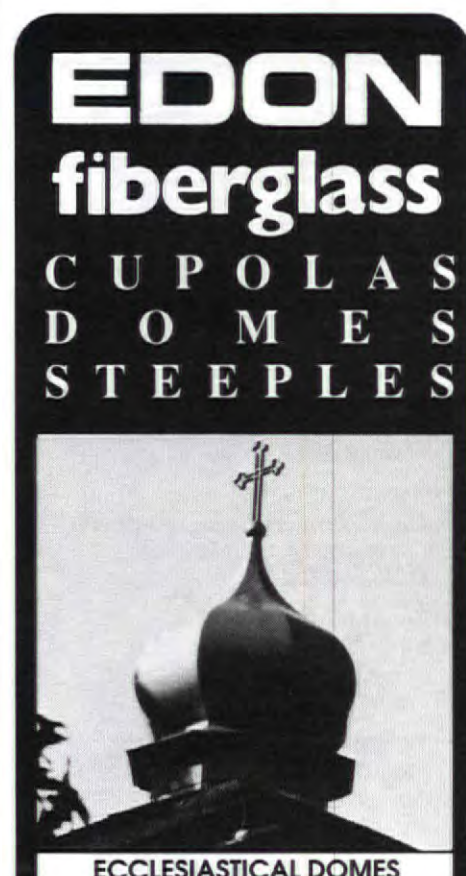
CALL AT ONCE: 800-467-8135 or Fax: 502-465-6839

CAMPBELLVILLE INDUSTRIES, INC. "The Steeple People" ... plus

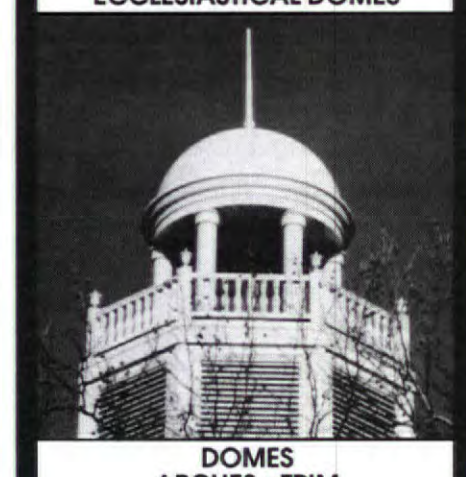
TAYLOR BOULEVARD, DEPT. TB, CAMPBELLVILLE, KY 42718

WRITE IN NO. 582

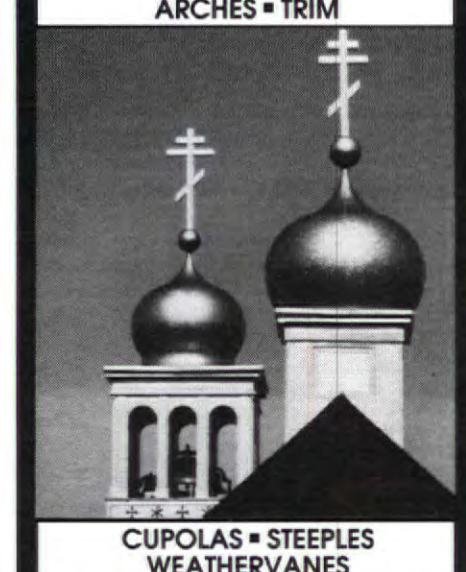
EDON fiberglass
CUPOLAS
DOMES
STEEPLES



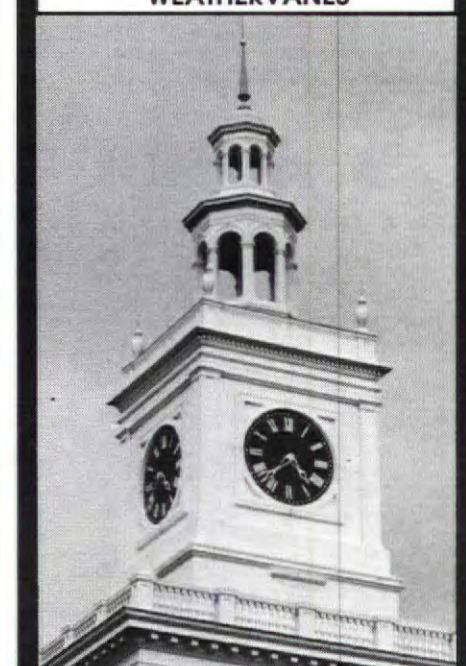
ECCLESIASTICAL DOMES



DOMES
ARCHES • TRIM



CUPOLAS • STEEPLES
WEATHERVANES



EDON FIBERGLASS
800-523-2539
FAX-215-672-9014
1160 EASTON RD.
HORSHAM, PA 19044
215-672-8050

WRITE IN NO. 189

continued from page 40



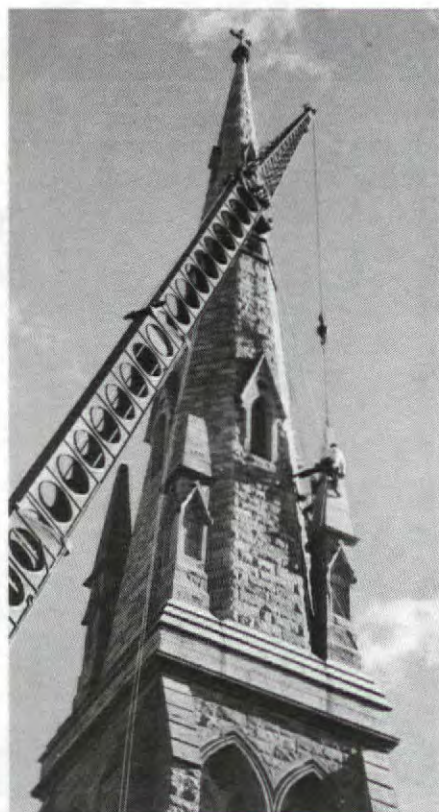
TRADITIONAL BUILDING'S SOURCELIST CUPOLAS, STEEPLES & DOMES

CSI# 10340

BY EVE M. KAHN

COMPANY	SPECIALTY	Literature	Materials	% Custom
Molded Fiber Glass 55 4th Ave., Dept. TB Union City, PA 16438 814-438-3841	Large molded FRP manufacturer. With 300,000-sq.ft. plant, can create "products of unlimited size" and recently finished acres of minarets and spires for the Taj Mahal casino in Atlantic City, NJ.	Free	FRP	100%
Overly Manufacturing 574 W. Otterman St., Dept. TB Greensburg, PA 15601 412-834-7300	100+-year-old architectural-metal products manufacturer of domes, steeples, and spires. Finials, pilasters, cornices, and other ornament available, as are specialty finishes and metal roofing.	Free	Aluminum, copper, Monel, and stainless steel	100%
Rocca Noto Studios 10-06 38th Ave., Dept. TB Long Island City, NY 11101 718-937-1977	Group of artisans who reproduce ornament as well as steeples, cupolas, and domes in FRP, mainly for residential buildings.	Free <i>Write in No. 422</i>	FRP	100%
Skyline Engineers of MD 5405 Beall Dr., Dept. TB Frederick, MD 21701 301-831-8800	Steeple restoration specialists who have restored churches in 26 states, state capitols in 4 states, and Boston's Faneuil Hall. Services include carpentry, masonry, roofing, painting, cleaning, gilding, and vane and steeple design, replication, and repair.	Free <i>Write in No. 762</i>	As specified	100%
Slate and Copper Services 70 Saxonia Ave., Dept. TB Wyckoff, NJ 07481 201-848-8898	14-person firm that restores slate and copper roofs, manufactures roofing accessories, and fabricates copper finials and steeples. Major recent projects include restoration of Bergen County Courthouse in New Jersey.	Free <i>Write in No. 721</i>	Copper, slate	100%
Smith of Derby 14 John Poulter Rd., Dept. TB Lexington, MA 02173 800-6661221 or 617-235-0391	Manufactures FRP cupolas with bell roofs colored to resemble lead; from 4 ft. 2 in. to 6-1/2 ft. H. Options include mock or closed louvers and wide variety of the company's clocks and vanes. Also: Handsome brass silhouette vanes with brass cardinals. Full- or swell-bodied copper vanes also available.	Free	FRP	20%
Superior Fiberglass Box 1989, Dept. TB Jacksonville, TX 75766 800-527-8438	Fabricates FRP steeples: from 10 to 47-1/2 ft. H stock, \$560 to \$10,800, larger sizes and custom work also available. Standard colors: cream, sand, and antique bronze; more for bronze, copper, silver, and gold. Options include arched or flat windows or louvers and pilasters.	Free	FRP	10%
Webb Manufacturing Box 707, Dept. TB Conneaut, OH 44030 216-593-1151	8 styles of wood 4-sided cupolas: bell, hip, and pagoda roofs, arched or rectangular louvers, and copper or aluminum roof coverings. \$200 to \$1100.	Free	Redwood with copper or aluminum	5%
Wiedemann Industries Progress Park, Box 677, Dept. TB Muscataine, IA 52761 800-553-9664 or 319-263-6642	Manufactures 14 stock steeple styles with 4, 6, or 8 sides, some with arched openings. Options include glazing, louvers, crosses, finials, and vanes. White finish standard; other colors available.	Free <i>Write in No. 751</i>	FRP	10%
Yankee Steeplejack 103 Assabet Ave., Dept. TB Concord, MA 01742 508-369-9078	Steeplejacks with 11 years' experience; services include slate roofing work, millwork repair, gilding, carving, structural repair, and sheet-metal work.	Free	As specified	100%

STEEPLES & CUPOLAS PORTFOLIO



Architectural Timber & Millwork at work on a masonry steeple



Aluminum cupola, balustrade, and railing by Campbellsville Industries



Hexagonal wood cupola with bell-shaped roof from Country Cupolas

continued on page 44

ARCHITECTURAL ORNAMENT

We're a full-service studio with the capability to Design, Fabricate, and Deliver a wide range of Molded Architectural Products.



WRITE IN NO. 739

Exterior/Interior Moldings
Commercial Facades
Cupolas/Domes
Architectural Sculpture
CAD-Driven Carvings
Thin-Shell Composites
Terra Cotta Replicas
Structural or Ornamental
Sculpture Enlarging
FRP, FRG, GRFC, Precast Concrete,
Polymer Concrete

Ask us for a quote on your next job.

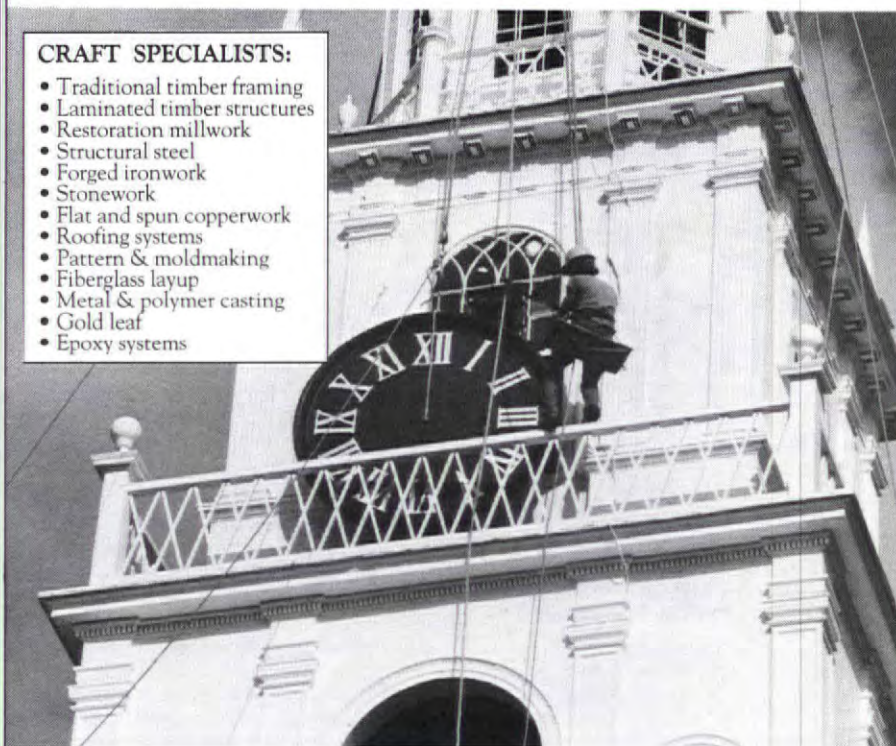
William Kreysler & Associates, Inc.
 P.O. Box 173, Penn Grove, CA 94951
 (707) 765-1102 FAX (707) 762-6482

Fabrication For Historic Preservation

Entire Shop-Fabricated Steeples, Cupolas & Domes
 Full Range Of Restoration And Construction Services

CRAFT SPECIALISTS:

- Traditional timber framing
- Laminated timber structures
- Restoration millwork
- Structural steel
- Forged ironwork
- Stonework
- Flat and spun copperwork
- Roofing systems
- Pattern & moldmaking
- Fiberglass layup
- Metal & polymer casting
- Gold leaf
- Epoxy systems



- ✓ Survey, documentation and design for conservation or replication of historic structures.
- ✓ Shop fabrication and assembly for finest quality work. Delivery of assembled components

reduces site labor and site disturbance.

- ✓ Expert analysis of existing conditions and specification of conservation methods.
- ✓ Expert rigging and installation.

- ✓ In-house capacity in all restoration crafts.

- ✓ Experienced in framing systems for towers, clocks, weathervanes and finials, tower bells and carriages, and balustrades.

We handle small jobs as well as large structural systems.
 Call for a quote on your project.

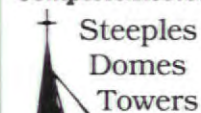
ARCHITECTURAL TIMBER & MILLWORK

35 Mt. Warner Road, Hadley, MA 01035 (413) 586-3045 FAX (413) 586-3046

WRITE IN NO. 329

Steeplejacks

Complete Restoration Specialists



Steeple
 Domes
 Towers

Historic Buildings
 Nationwide Service
 Free Estimates
 Financing Available

Skyline Engineers of MD, Inc.

5405 Beall Drive
 Frederick, MD 21701
 301-831-8800

"Preserving America's Landmarks for Generations"

- ☐ Help! We need a steeplejack—now!!
- ☐ Please send more information.

Check Services Needed

- ☐ Gold-Leafing
- ☐ Lightning Protection
- ☐ Bird-Proofing
- ☐ Painting
- ☐ Carpentry
- ☐ Stone Work
- ☐ Brick Work
- ☐ Sheet Metal
- ☐ Chemical Cleaning
- ☐ Sandblasting
- ☐ Water Proofing
- ☐ SLATE—our specialty
- ☐ Repointing
- ☐ Clocks
- ☐ Bells
- ☐ Cross
- ☐
- ☐

Name _____
 Church _____
 Address _____
 City _____ State _____ Zip _____
 Phone _____

WRITE IN NO. 762

SMITH-CORNELL, INC.

Plaques of Distinction

THIS PROPERTY HAS BEEN
 PLACED ON THE
**NATIONAL REGISTER
 OF HISTORIC PLACES**
 BY THE UNITED STATES
 DEPARTMENT OF THE INTERIOR

P.O. Box 686 TB PH: 219-925-1172 (IN)
 Auburn, IN 46706 800-325-0248

WRITE IN NO. 46

Bird BARRIER

NIXALITE BIRD CONTROL



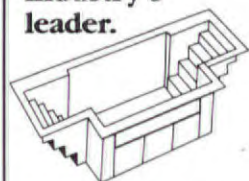
Nixalite architectural bird control protects any exterior structure contour from annoying bird defacement. Approved for historic sites and national monuments. NIXALITE is an inconspicuous, humane and virtually maintenance free solution to bird problems. Call, fax or write for details.

NIXALITE of AMERICA
 1025 - 16th AVE - BOX 727
 EAST MOLINE, IL 61244 - 309-755-8771
 800-624-1189 - FAX 309-755-0077
 SPECIALISTS IN BIRD CONTROL

WRITE IN NO. 37

Visible Proof That You Did It Right

Fiberglass baptistries, spires, crosses and lighting by the industry's leader.



FREE CATALOG
Wiedemann Industries, Inc.
 P.O. Box 677
 Muscatine, IA 52761-0677
 Call 800-553-9664 toll free
 Iowa call 319-263-6642 collect

WRITE IN NO. 751

SLATE & COPPER SERVICES INC.

Restoration of slate and copper roofs.
 Fabricators of custom finials,
 weathervanes, and roof ornaments.

Consultants for slate, tile,
 and copper roof projects.

Suppliers of new and used roofing slate.



70 Saxonia Ave., Dept. TB, Wyckoff, N.J. 07481
Contact: Brian Stearns / 201-848-8898
 or **Larry Stearns / 802-862-9246**

WRITE IN NO. 721

CUPOLAS & STEEPLES PORTFOLIO

continued from page 42



Frosted-glass windows and standing-seam copper roof grace a wood cupola by Denninger Cupolas & Weather Vanes



Moroccan steeple in FRP by Edon Corp.



Fiberglass Specialties manufacturing an FRP steeple



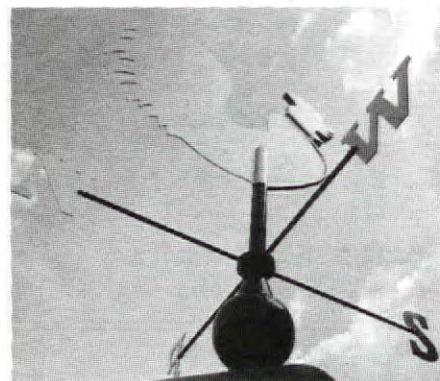
Venetian glass mosaic over FRP dome by William Kreysler & Assocs.



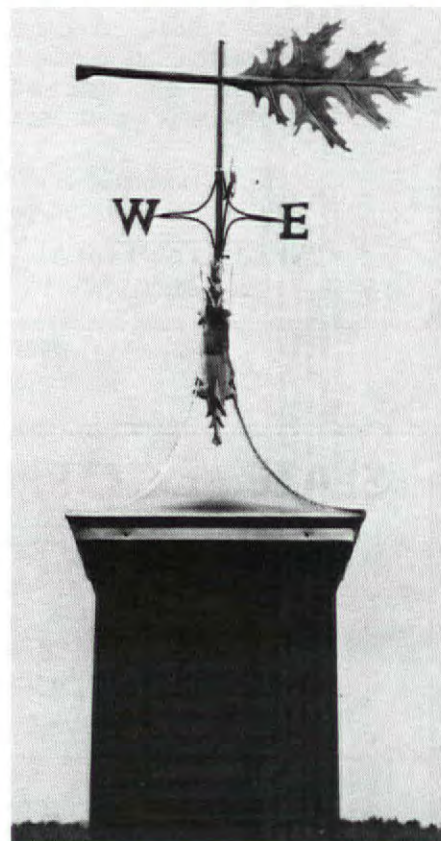
Landmark Rigging at work on the Norfield Congregational Church

WEATHERVANES & FINIALS PORTFOLIO

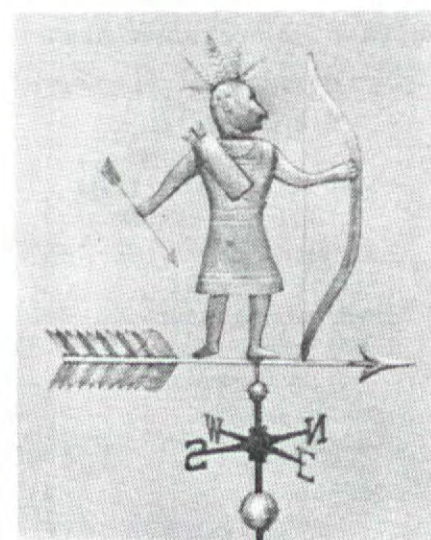
(Consult *SourceList* for contact information about companies illustrated.)



Rooster silhouette vane from Smith of Derby



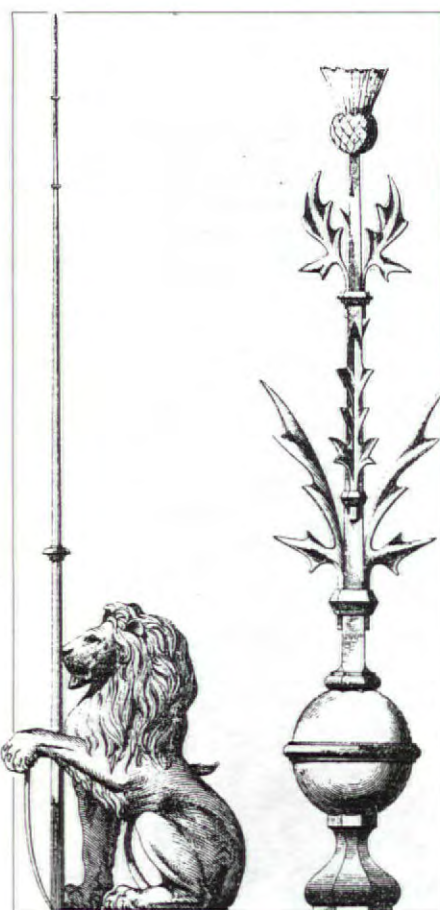
Oak leaf vane with leafy mount from Contemporary Copper



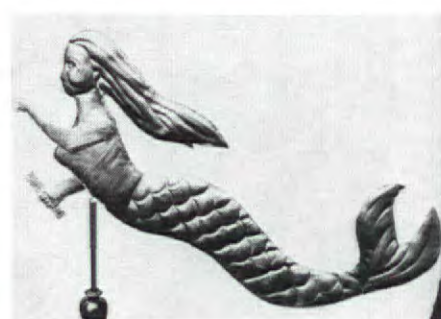
Bow-carrying Indian vane from The Copper House



Walking moose vane from Good Directions



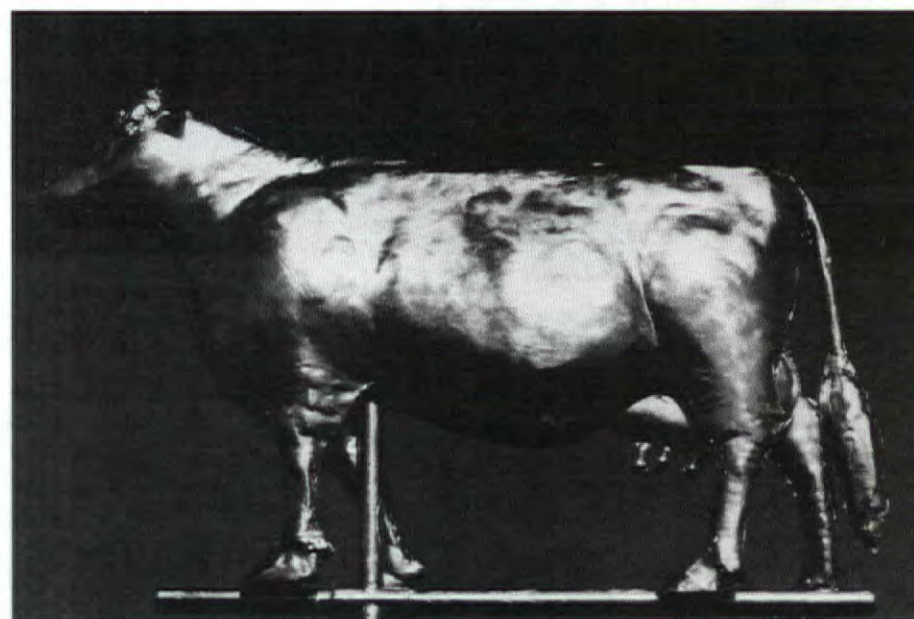
Lion and thistle finials from an 1860 casting catalog, which Historical Arts & Castings can reproduce



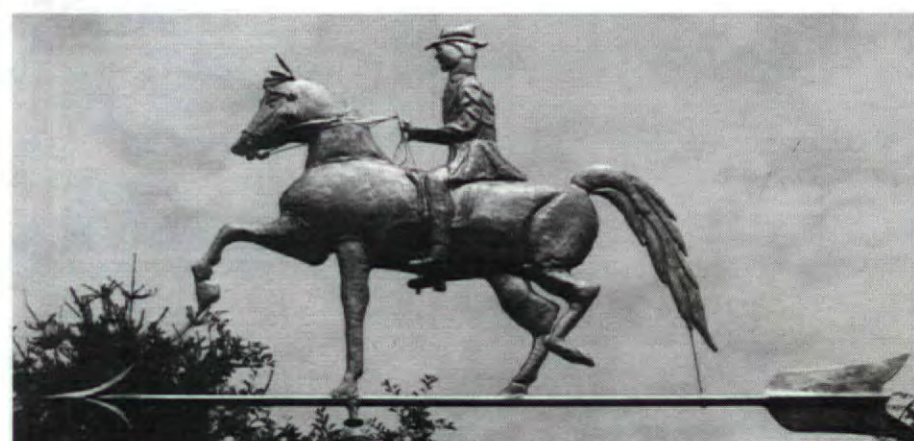
Vain vane: Mermaid with mirror from Salt & Chestnut



Copper pelican vane from Wind & Weather



Gilded cow vane from Ives Weathervanes



Horse-and-rider vane from MacQuarrie & Niccum

WEATHERVANES & FINIALS

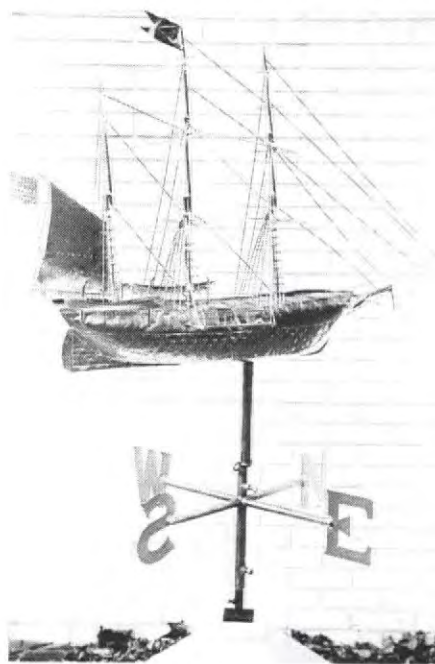
■ BY EVE M. KAHN

A handsome, well-proportioned weather-vane or finial is like perfect punctuation for a smooth sentence. Not all weathervanes and finials are created equal, however. The best vanes are one-of-a-kind sculptures whose value will increase: Metals are non-ferrous, features are high relief, bodies are full, surface textures are rich from hammering, and soldering and brazing are nearly invisible. The best finials are hand-hammered sheet metal or twisted bars, carefully soldered and well-rounded. Acceptable vanes and finials are stamped or cast and mass-produced, with shallow detail, but they are no more likely to disintegrate or fly off than their more costly colleagues. Finials to be avoided are shaky or too poorly engineered to stand tall. Vanes to be

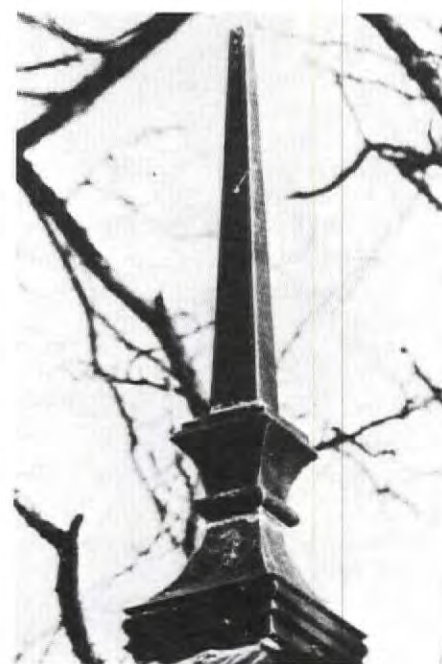
avoided have gaps in the solder which allow water penetration; they also lack bearings, come without mounting hardware, and do not swing well, tearing up their mechanics — this kind is likely to blow away and, in the process, smash up nearby cupolas or roofs.

Choosing a finish for weather-vanes is simple: Few of them require it. Copper vanes acquire a graceful patina without any help (and an applied skin of 23K gold leaf will last about 50 years), and aluminum vanes usually come with a baked-on finish. Aluminum finials should have a fluoropolymer coating, Tnemec's polyurethane, or PPG's Deltron epoxy. ♦

Thanks for information to Bruce Coutu at Copper House, Robert Baird at Historical Arts & Casting, Marilyn Strauss at Salt & Chestnut Weathervanes, Jonathan Niccum of MacQuarrie & Niccum, and Travis Tuck — Metal Sculptor.



Whaleship "Perry" vane for Edgartown, Mass. town hall by Travis Tuck



Metal finial from Clarke County Metalsmiths

**MACQUARRIE & NICCUM
COPPERSMITHS**

Hand Crafted
Weathervanes

Lights
Custom Designs

203-749-2774
OR
413-566-8559

P.O. Box A • Somersville, CT 06072
Illustrated Brochure \$3.00

WRITE IN NO. 654

**"THE CATALOG FOR YOUR
FINISHING TOUCHES"**

Large selection of
weathervanes and
cupolas for commercial or residences

Mailboxes, house
address plaques,
door knockers, brass
kick plates and more
also available

Call or write for free
catalog

**COLONIAL COLLECTIONS
OF NEW ENGLAND, INC.**
202 Idlewood Dr., Dept. TB05
Stamford, CT 06905 203-322-0078

WRITE IN NO. 728

Chestnut NEW,
ANTIQUE &
CUSTOM DESIGN

Salt & Salt American Handcrafted
WEATHERVANES

651 Route 6A, West Barnstable
Cape Cod, Massachusetts 02668

Lectures • Appraisals • Displays
Illustrated Brochure, \$2.00 Refundable

WRITE IN NO. 659

**HANDMADE
BRASS & COPPER
LANTERNS &
WEATHERVANES**

NO IMPORTS

Catalogue
\$3

(603) 736-9798
**THE COPPER
HOUSE**
RT. 4, RFD 1
EPSOM, N.H. 03234

WRITE IN NO. 729

**SUNDIALS • WEATHERVANES
WEATHER INSTRUMENTS**

Free Catalog

Wind & Weather

P.O. Box 2320-TB, Mendocino CA 95460
(707) 964-1284

WRITE IN NO. 755

WEATHERVANES
The Good Old-Fashioned Kind
"Priced with your budget in mind."

- ★ All Copper Figures -- Rounded, not flat cut-outs
- ★ Solid Brass Directionals. All Copper Spacer Balls. Steel Rod

★ Antiqued or Polished Finish

A CUPOLA adds beauty and value to your home! Four models - a range of sizes.

OTHER IMPRESSIVE FIGURES—sailboat, pig, moose, skier, whale, dolphin, snow goose, cherub, biplane, cow, golfer, old-time train and more!

Call Toll-Free
1-800-346-7678, ext. 906
For your FREE Catalogue of over 50
Weathervanes, Cupolas, and More!

GOOD DIRECTIONS, Inc.
24 Ardmore Rd., Dept. 906,
Stamford, CT 06902

WRITE IN NO. 734

Over 1000 Weather Vanes

Hand Wrought Copper Horse Vane

Furnished verde antique or gilded; 31" long. We have made more of this horse weather vane than any other of similar design. It is but one of a thousand different weather vanes in our collection.

Traditional Craftsmen For Over 100 Years

Lynch custom crafted weather vanes have stood the test of time. They are of the finest quality and have been used for architectural ornament, interior design, and as weather instruments. Most are of traditional design. They vary in size from church steeple weather vanes which require crane installation to sizes suitable for houses and small buildings.

KENNETH LYNCH & SONS
TRADITIONAL CRAFTSMEN

DEPT. TB 84 DANBURY ROAD RT. 7 WILTON, CT 06897
(203) 762-8363 FAX (203) 762-2999

☒ Put my firm on your mailing list to receive FREE product information and specifications data.
☐ Enclosed is \$8.00; please ship your complete book, *Weather Vanes* by Kenneth Lynch to my address, below.

Name _____
Address _____
City _____ State/Zip _____

Please Note: Books are shipped UPS, so P.O. Box Numbers are not acceptable.

Showroom Open
9am - 5pm daily

WRITE IN NO. 740



W TRADITIONAL BUILDING'S SOURCELIST EATHERVANES & FINIALS

CSI# 10340

BY EVE M. KAHN

COMPANY	SPECIALTY	Literature	Materials	% Custom
Adornments for Architecture 827 Rte. 82, Dept. TB Hopewell Junction, NY 12533 914-226-5618	Workshop and foundry supplying finials, cupolas, and other architectural "adornments" in wood, metal, or composite. Services include design and pattern- and mold-making. Stock copper finials can be up to 12 ft. H and incorporate glass sections.	Free flyer; send \$5 for color brochure <i>Write in No. 749</i>	As specified	50%
Contemporary Copper Box 69, Dept. TB Greenfield, MA 01302 413-773-9242	Custom vanes in copper; can replicate anything from specific breeds of cattle to c.-1936 tractors to the outline of Hawaii.	Free	Copper	100%
The Copper House RFD 1, Box 4, Dept. TB Epsom, NH 03234 603-736-9798	Full-bodied and silhouette vanes, from fully-rigged clipper ships to sheep. In copper, from \$150 to \$2500, with natural, light, dark, or verdigris finish; aluminum vanes, \$29 to \$150.	Free <i>Write in No. 729</i>	Copper, aluminum	3%
Historical Arts & Casting 1939 South 4130 West, Unit F, Dept. TB Salt Lake City, UT 84104 801-974-0242	Major source of metal ornament, with finials a specialty; has created them for major buildings around the country. Will engineer and install, has an extensive library of vintage patterns, and can fabricate to any height.	Free brochure <i>Write in No. 121</i> Full catalog \$5	Metal as specified	100%
Ives Weathervanes RR 1, Box 101A, Dept. TB Charlemont, MA 01339 413-339-8534	High-quality, hand-formed full- or swell-bodied copper vanes. Over 20 years' metalsmithing experience. Gilding is available: \$400 to \$2000 for stock, more for custom.	Free <i>Write in No. 737</i>	Copper, brass, bronze	90%
Kenneth Lynch & Sons 84 Danbury Rd., Box 488, Dept. TB Wilton, CT 06897 203-762-8363	60-year-old fabricator of metal finials as well as vanes in unusual traditional, non-kitschy designs: e.g., peg-legged sailors, horses leaping fences, carpenters at work. Custom vanes also available.	Free <i>Write in No. 740</i>	Copper, bronze, aluminum, lead	30%
MacQuarrie & Niccum Box A, Dept. TB Somerville, CT 06072 203-763-3616 or 749-2774; 413-566-8559	Hand-pounded full-bodied copper vanes; recent assignments have included helicopters, hefty pigs, and wind-blown Indians shooting arrows.	Free <i>Write in No. 654</i>	Copper	90%
New England Tool Box 30, Dept. TB Chester, NY 10918 914-782-5332 or 651-7550	Forge fabricates custom finials and vanes for commissions ranging from large commercial buildings to residences; provides design and engineering assistance.	Free	Metal as specified	100%
W. F. Norman 214 N. Cedar, Box 323, Dept. TB Nevada, MO 64772 800-641-4038 or 417-667-5552	99-year-old sheet-metal ornament manufacturer with a broad selection of finials: from simple spheres to ornament-encrusted poles topped by banners. Can also fabricate new designs based on images or originals.	Free <i>Write in No. 52</i>	Copper, zinc	85%
Salt & Chestnut Rte. 6A at Maple St., Box 41, Dept. TB W. Barnstable, MA 02668 508-362-6085	17-year-old vane source: hand-hammered silhouette and full- or swell-bodied, some with glass eyes. Stock from \$160 to \$1600, with natural or verdigris finish. Adaptations of stock, other custom work available.	Free <i>Write in No. 659</i>	Copper	25%
Travis Tuck, Metal Sculptor Box 1832, Dept. TB Martha's Vineyard, MA 02568 508-693-3914	One-man top-of-the-line vane workshop, producing hand-sculpted pieces: \$1900 to \$3200 for stock, more for custom. Recent commissions: Yachts, planes, championship horses, municipal projects. Stainless-steel shaft, bronze bearing and mounting hardware standard; 23K gilding available.	Free <i>Write in No. 764</i>	Copper, brass, bronze	90%
Victorian Reproduction Enterprises 1601 Park Ave. S., Dept. TB Minneapolis, MN 55404 612-338-3636	Victorian lightning rods and rods/vanes. 5-ft.-H rods/vanes have horse, pig, rooster, or cow vanes, sparkling glass balls, and star ornaments; rods with or without glass balls and scroll braces are 30 in. H. Complete kits, \$52 to \$244; parts sold separately.	Free	Various metals	0%
Whitehall Products Ltd. 8786 Water St., Dept. TB Montague, MI 49437 800-624-8643 or 616-894-2688	50-year-old source of cast-aluminum vanes: over 60 stock designs in black or full-color enamel. Options include gilded letters and globes, filigree connectors for cardinal letters, embossed bases. From \$32.50 to \$530.	Free	Aluminum	10%
Wind & Weather Box 2320, Dept. TB Mendocino, CA 95460 800-922-9463 or 707-937-0323	Mail-order source of over 150 stock vanes in copper, brass, or aluminum: \$36 to \$1300, more for custom. Also steel and copper finials and wood cupolas with hip, pagoda, or bell copper-covered roofs.	Free <i>Write in No. 755</i>	Copper, aluminum, brass, steel	5%
ZED International/Le Fanion 299 W. 4th St., Dept. TB New York, NY 10014 212-463-8760	French-based vane workshop which produces zinc or copper silhouettes or full-bodied designs. Stock patterns include wheat bundles, angels, and long-tailed winged dragons: from \$800 to \$10,000.	Free	Copper, zinc	10%

THE CUPOLA/WEATHERVANE CONNECTION

Many of the companies that supply cupolas also supply and/or restore weathervanes and finials. To avoid double entries, the cupolas companies that are also involved with weathervanes were not included on this SourceList. For a more complete view of the weathervane market, you should also consult the entries on the Cupolas SourceList (pages 40, 42) for the following companies:

ACCENT MILLWORKS
ARCHITECTURAL TIMBER & MILLWORK
CAMPBELLSVILLE INDUSTRIES
CAPE COD CUPOLA
CLARKE COUNTY METALSMITHS
COLONIAL COLLECTIONS
DENNINGER CUPOLAS & WEATHER VANES

EDON CORP.
GOOD DIRECTIONS
LANDMARK RIGGING
SKYLINE ENGINEERS OF MD.
SLATE & COPPER SERVICES
SMITH OF DERBY

WEATHERVANES

by
TRAVIS TUCK
Metal Sculptor

The finest weathervanes available anywhere today. Made in our studio entirely by hand using the repousse method. Choose one of our seven favorites, or commission a one-of-a-kind. Color brochure free.

Box 1832, Dept. TB, Martha's Vineyard, Mass. 02568
(508) 693-3914

WE CAN MAKE A WEATHERVANE OF ANYTHING.

WRITE IN NO. 764



Division 15 MECHANICAL

MIDGET LOUVERS — The Original. . . The Best Answers to Ventilation Problems of



- Used in Industries, Laboratories, Marine, Electronics and many Building applications.
- Available in Aluminum, Chrome, Plating and Anodized Aluminum. Sizes 1" to 6" in various types.

**AIR
HEAT
LIGHT
SOUND
MOISTURE**

— Write for Descriptive Catalog. —

MIDGET LOUVER COMPANY

800 MAIN AVENUE, NORWALK, CT 06851 (203) 866-2342

WRITE IN NO. 270

Reggio Registers

Solid brass and cast iron USA made Reggio Registers™ enhance the beauty of your wood floors and fine carpets. Maximize heat circulation from woodstoves, solar collectors, gravity and forced hot air heating systems. Choose from elegant brass or traditional cast iron registers and grilles. Request our new color catalog for styles, sizes, and prices. Available for \$1.00 from:

Dept. Z105, P.O. Box 511
Ayer, MA 01432
(508) 772-3493



WRITE IN NO. 581



Strong, durable wooden vents are made from over 40 different select woods in 57 standard sizes and 6 style configurations.



Solid stamped or cast brass vents are polished to a high gloss and a protective finish is added for lasting beauty.

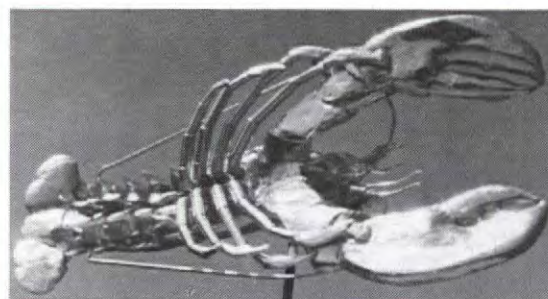
Send \$1.00 for catalog to:

TRIARCO, INC.

Dept. TB
P.O. Box 66
Blissfield, MI 49228

WRITE IN NO. 574

WEATHERVANES By Marian S. Ives



Artist with over 20 years metalsmithing experience creates high-quality hand-formed full- or swell-bodied copper vanes. Animals and custom vanes a specialty. Choose from standard designs — or see your own concept come to life in 3 dimensions. Gilding available.

Ives Weathervanes RR 1, Box 101A/ Dept. TB, Charlemont, MA 01339 (413) 339-8534

WRITE IN NO. 737

FINIALS

out of
COPPER
BRASS
FIBERGLASS
WOOD

3 ft. to 12 ft.
DESCRIPTIVE
FLYER
FREE

\$5

COLOR
BROCHURE

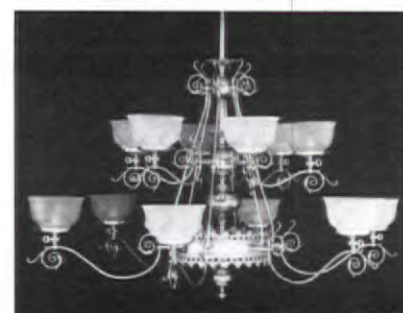


Adornments for
Architecture

827, Rt. 82, Dept. TB, Hopewell Junction, N.Y. 12533
Tel. (914) 226-5618

WRITE IN NO. 749

Superb grace of
design.



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

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

*Victorian
Lighting
Works*



WRITE IN NO. 373



Division 16 ELECTRICAL

EARLY AMERICAN ONION LANTERNS

- For indoor or outdoor use
 - Constructed from Solid Copper & Brass
- SEND \$2.00 FOR COLOR CATALOG
SHOWING NUMEROUS MODELS AND
STYLES OF POST LANTERNS,
WALL LANTERNS, SCONCES,
CHANDELIERS, ETC.

NEWSTAMP LIGHTING COMPANY
227 Bay Road, North Easton, MA 02356
(508) 238-7071

Established 1939
WRITE IN NO. 80



YOUR NUMBER IS UP!

Take a close look at your mailing label . . .

. . . If the top line reads: 02/01/99, you're receiving a TRIAL subscription to TRADITIONAL BUILDING. That means your name will soon be eliminated from our circulation list. To make sure you get EVERY ISSUE of TRADITIONAL BUILDING, fill out this coupon and we'll bill you \$18 for a 1-year subscription.

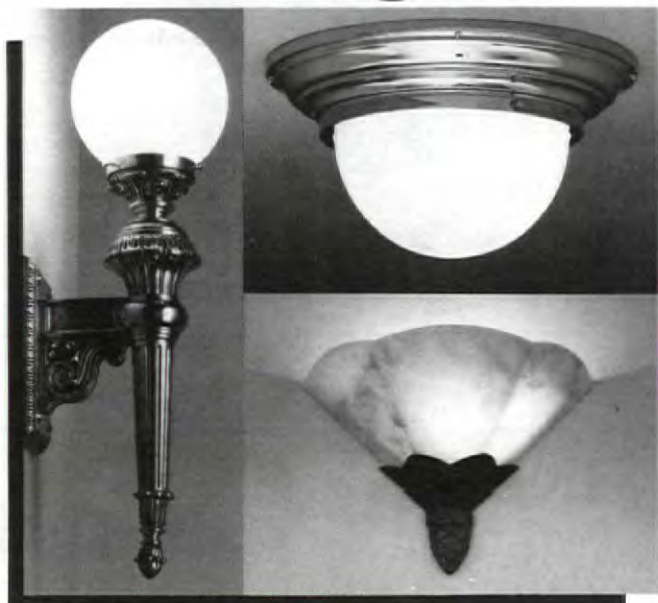
NAME _____
COMPANY _____
ADDRESS _____
CITY _____
STATE _____ ZIP _____
PHONE () _____



Your Business: ☐ Architect ☐ Contractor ☐ Interior Designer
☐ Engineer/Consultant ☐ Government ☐ Other

Mail to: Traditional Building, 69A Seventh Ave., Brooklyn, NY 11217
Tel: (718) 636-0788 Fax: (718) 636-0750

New Lights



Urban Archaeology

New 54,000 sq. ft. gallery
285 Lafayette Street, New York City 10012
212-431-6969

WRITE IN NO. 299

VICTORIAN AND TURN OF THE CENTURY

Chandeliers, Sconces & Fixtures



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

**THE MOST COMPLETE
SOURCE FOR ANTIQUE
AND REPRODUCTION
GAS, OIL AND ELECTRIC
LIGHTING**

Lighting Catalog \$5.00

THE FINEST LAMP & FIXTURE RESTORATION AVAILABLE

ROY ELECTRIC CO., INC. (800) 366-3347

SHOWROOM: 1054 Coney Island Ave., Brooklyn, NY 11230

In N.Y. (718) 434-7002 Fax: (718) 421-4678

WRITE IN NO. 43

ANTIQUE BRASS SHOWERS & FIXTURES



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

**Plumbing Catalog
\$6.00**

MELVYN GREEN

continued from page 4

codes and attended the conference; there Green began making preservation connections. "I was doing mostly new construction jobs then, because when you just open you take what you can get," he says. "After that meeting, I started representing the Trust at code-change hearings — practically pro bono, of course, that's



Green engineered the relocation of this elaborate Queen Anne house in L.A.



Frank Lloyd Wright pioneered cast-stone "textile blocks" on the Freeman House in L.A.; Green is reinforcing the building without spoiling its character

preservation for you — and giving advice to lawyers and other people trying to stay demolition by re-interpreting codes. People had just begun



Green gave seismic, structural, and conservation advice for the restoration of the Fourth Ward School in Nevada

to realize that building codes often led to unnecessary demolition of historic buildings." His beneficence paid off: In 1974, Oxnard, Calif., asked him to convert their 1906 Carnegie Library into a community center.

Seismic reinforcement proved to be the project's greatest challenge. Stabilizing techniques of the time called for an ornament-obscuring coat of gunite, a type of concrete, to be sprayed over an unreinforced-

for Building Conservation (used by every state west of the Mississippi). He has also written guidelines for Massachusetts, San Diego, San Bernardino County, Los Angeles' Central Business District, Yuma, Arizona, and California's Seismic



Intricate neoclassical stained glass overlooks the stairway at Britt Mansion



The Britt Mansion was transformed into the Los Angeles Olympic Committee's Hall of Fame, under Green and Watson's supervision

masonry structure's interior or exterior. "Even to say, 'No, there's got to be a better way' was radical at the time," says Green. His better way: Steel beams stationed at intervals wide enough to be barely noticeable and closely spaced enough to stabilize the structure.

Assisting him on the project was Anne Watson. "I told her, 'Come work for me, I can guarantee you six months' work,' and six months turned into 16 years," he says. The two partners divide tasks neatly; Watson handles architectural issues and minds the store. "I hate to travel," she says. "I'd rather have my nose in the computer." Green not only deals with engineering considerations, but he also lectures, attends conferences, and copes with clients. (He chose his office's locale, Manhattan Beach, partly for its proximity to the airport and partly for its ocean breezes — "the only breathable air in town," he says.)

Seismic-related work takes up much of his time. After he completed the Carnegie Library, he began working with research engineers to develop more sophisticated reinforcement methods. "They did the research, I wrote the codes so that the research could be used in the field," he says. "What we came up with, our ideas for tying masonry together, made what I did at the Carnegie Library look ordinary, if not primitive." His other written contributions in the field include the Uniform Code

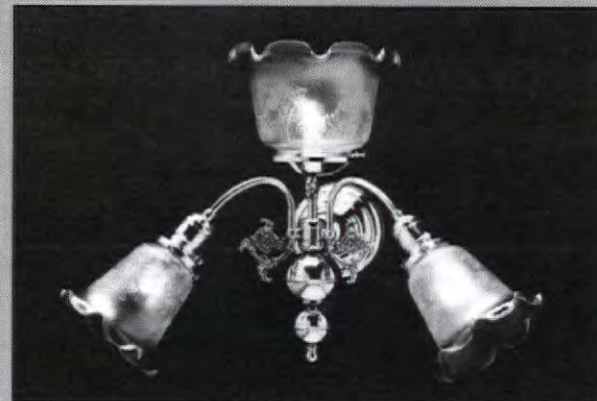
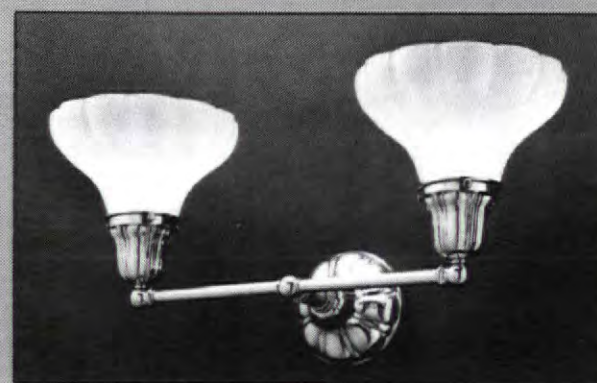
Safety Commission.

The firm has encountered a few pockets of bad luck along the way. They completed an adaptive-use study for a Victorian hotel in Ontario, Calif., just before the building burned; they designed seismic strengthening for two firehouses in Alhambra, Calif., just before the Whittier Narrows Earthquake of 1987 reduced them to ruins. And there have also been moments of sheer inspiration. Asked to move a 22-by-38-foot, WPA-sponsored, mosaic mural lying in storage in Long Beach, Calif., and attach it to a new local shopping mall, Green hooked it up over a dozen toaster-size Teflon pads. "The mural is rigid, while the beams and concrete are flexible," says Green. "In case of quake, the mural can just slide back and forth."

At the moment he is expanding his horizons still further, in particular his firm's geographic boundaries. "We're helping South Carolina with multi-hazard mitigation, so that when they rebuild from Hugo they'll be strong enough to withstand the next hurricane or earthquake," he says. "I've also done consulting in Peru and Yugoslavia — and there I heard the Slavs say, 'If only we had no building codes, or more sympathetic building codes, we could preserve so much more.' They're saying the same things we said 20 years ago. Everywhere you go, the needs, the problems, the questions are the same." ♦

BRINGING THE PAST...

HISTORY WORTH REPEATING



Sometimes the past can shed new light on the present with a



return to simplicity and honesty. By design. Request our catalog.

REJUVENATION LAMP & FIXTURE CO. 901-TB N. SKIDMORE PORTLAND, OREGON 97217 (503) 249-0774

INTO THE PRESENT

WRITE IN NO. 763

Buy Direct
From The Maker.



Solid Casted Brass
Original Victorian
Creations, Sconces,
Chandeliers, Floor
and Table Lamps

CATALOG — \$1.00

Wilson Heritage

208 York Road • Towson, MD 21204
(301) 583-7775

WRITE IN NO. 754

**FOR
FREE
PRODUCT
LITERATURE,
FILL OUT
THE FORM
ON
PAGE 50,
OR USE
THE
ENCLOSED
POSTCARD.**

Lighting by HAMMERWORKS

*We offer the finest quality and most complete catalog
in handmade colonial reproduction lighting
and forged hardware*



Custom Blacksmithing & Lighting



Catalog
Available
\$3.00 (from Worcester)

6 Fremont St., TB4
Worcester, MA 01603
(508) 755-3434

Metro West Plaza, Rt. 20, TB4
Marlboro, MA 01752
(508) 485-6721

WRITE IN NO. 604

HOW TO LIGHT AMERICA

SPRING CITY DOES IT WITH GRACEFUL, ORNAMENTAL CAST IRON LIGHTING POSTS

Look around America and you will see Spring City Cast Iron Lighting Posts as part of the charm of landscapes in thousands of cities, towns and villages. There are reasons for the wide popularity of these posts: grace and beauty to enhance any location; the enduring quality of cast iron; historical accuracy and the superb American craftsmanship which has been a tradition at Spring City for over 60 years.

The light sources we offer include: mercury vapor; metal halide and high pressure sodium.

Call or write today for our full color literature.

See Us in Sweets and LA File

SPRING CITY ELECTRICAL MFG. CO.

P.O. Drawer A, Spring City,
PA 19475-0030
Phone: 215-948-4000
FAX: 215-948-5577



MADISON POST
Shown in New York City's Public Park System. Heights vary from 6'3" to 12'6" (excluding luminaire + adapter), 18 1/2" O.D. base. Available with twin arms for 2 luminaires and as a bollard.

WASHINGTON POST
Shown at the Peabody Hotel in Memphis, Tenn. 12' to 16'10" heights (excluding luminaire) 21" and 24" O.D. bases. Available as 4 or 5 luminaire unit.

WRITE IN NO. 103

FREE PRODUCT LITERATURE

These suppliers will send free literature about historical products to TRADITIONAL BUILDING's professional readers. Write in the appropriate number on the enclosed postcard — or use the form below.

■ Division 2 — SITEWORK

475. Fence Post Finials — Custom turning of balusters, newels, finials, posts, etc. Can work from drawings or sample. No minimum. Free brochure. **Boston Turning Works**

■ Division 4 — MASONRY

244. Chimney Flue Liner — Poured-in-place, two-liner system; no-mess one-day process. First liner strengthens and insulates; second liner seals & protects. UL listed. Nationwide dealer network; free brochure. **Ahren's Chimney Technique**

396. Antique Clinker Brick — Authentic, decades-old, unused clinker brick recovered from an abandoned brickyard. A unique building material available in limited quantities. Free brochure. **The Brickyard**

164. Chimney Liner — System seals, relines, and rebuilds chimneys from inside out with poured refractory. Works well for chimneys with bends and offsets. Free brochure. **National Supafix Systems**

206. Chimney Liner — Ventinox stainless-steel chimney-lining system installs without breaking through walls. Reduces creosote formation, increases heating efficiency, improves safety. Nationwide dealer network; free brochure. **Protech**

■ Division 5 — METALS

356. Spiral Stairs — Manufactures space-saving custom-built spiral stairs in both wood and metal. Also: economically priced oak spiral stair kit designed for easy assembly. Free brochure. **The Iron Shop**

47. Cast-Iron Staircases — The Kensington revives tradition of using cast iron for straight porch steps. Modular components; bolt-together assembly. Also circular stairs. Complete catalog. **Stephoe & Wife**

■ Division 6 — WOOD & PLASTICS

130. Wood Restoration — 2-part epoxy system restores rotted wood; saves historically significant and hard-to-duplicate pieces. Repairs can be sawn, drilled, sanded, and painted. Free brochure. **Abatron**

376. Plaster Ceiling Panels — Plaster ceiling panels provide elegant look of a coffered ceiling at fraction of the cost. 2-ft.-sq. panels weigh about 8 lb. and are fire-rated. Free brochure. **Above View, Inc.**

641. Molded Ornament — Custom studio deals in architectural sculpture and ornament: Pattern making, mold-making, and casting. Will duplicate historic ornament or restore original. Free literature. **Architectural Conservation**

613. Molded Architectural Ornament — Manufacturer and installer of cast decorative elements for exterior and interior. Wide variety of materials. Free brochure. **Architectural Reproductions**

245. Plaster Ornament — Custom-made and in-stock plaster ornament: Medallions, moldings, brackets, capitals, sculpture, etc. Specializes in neo-classic and turn-of-century ornament. Free catalog. **Architectural Sculpture**

118. Plaster Ornament — Niches, crown moldings, fireplace surrounds, ceiling medallions, corbels, archways, columns, oak beams, and domes — cast from English originals in plaster and fiberglass. Free full-color catalog. **Aristocast Originals**

643. Plaster & Molding Studio — Custom studio does preservation, restoration, and replication of ornamental plaster. Also exterior fiberglass cornices, architectural cast stone, sculpture. Free flyer. **Art Home Studios**

726. Molding Materials — Glass-fiber-reinforced gypsum system for interior or exterior ornament. Simple to use; non-toxic; short mold cycles; lightweight. Free brochure. **Ball Consulting, Ltd.**

727. Ornamental Plaster — Specialists in custom-made ornamental plaster. Garden ornament, molded from antiques. Architectural ornament in plaster or lightweight concrete. Free brochure. **Bauer Casting Design**

411. Custom Shutters — Exterior or interior; paneled or louvered. Using original 19th-century machinery, can duplicate any shutter. Antique shutter hardware. Free brochure. **Beech River Mill Co.**

578. Wood Moldings — Catalog contains illustrations of over 150 decorative wood moldings and ornaments for every architectural and furniture need. Write for free copy. **Bendix Mouldings**

413. Architectural Ornament — Complete service from design and pattern making to molded finished product. Create or re-create ornament in concrete, plaster, terra cotta, or fiberglass-reinforced concrete. Free brochure. **Cameron Noriega**

18. Classic Columns — For porches and pure decoration: Doric, Ionic, and Corinthian columns sculpted from Ponderosa pine with exquisite craftsmanship. Many sizes and shapes; custom work available. Complete catalog. **Chadsworth, Inc.**

648. Chestnut Flooring — Genuine and remilled antique oak & pine planks. Antique floors installed. Hand-hewn beams, barn siding; Custom milling from antique hewn lumber. Free brochure. **Chestnut Specialties**

681. Molded Ornament — Custom-quality molded polymer ornaments are easy to install and can be produced to comply with today's building and fire codes. On-site replication capability. Free brochure. **Classic Carvings**

175. Epoxy Conservation Materials — Consolidants, fillers, and adhesives formulated for structural repairs in historic structures. Consultation services. Free brochure. **Conservation Services**

432. Extra-Wide Boards — Pine boards for flooring or paneling in widths from 12" to 24"; kiln dried. Wide oak flooring from 4" to 9". Custom moldings & millwork; dual wainscoting. Free brochure. **Craftsman Lumber**

23. Non-Rotting Lattice — Keeping porch lattice painted is a real chore. Instead, use PVC lattice. It looks like wood (no fake wood grain!), comes in 11 colors, and can be cut, nailed, and installed like wood. Free color brochure. **Cross Industries**

131. Victorian Millwork — 19th-century designs in solid oak and poplar: fretwork, brackets, corbels, grilles, turnings, and gingerbread — precision-manufactured so product groups fit together. Free color catalog. **Cumberland Woodcraft**

Plaster Ornament — Hundreds of plaster ornaments from late-19th and early-20th centuries — made using original molds. Ceiling medallions, brackets, grilles, cornices, much more. For pricing, call: 312-847-6300. **Decorator's Supply**

493. Custom Millwork — Moldings, random-width T&G flooring, paneling. Native & exotic woods, both kiln-dried and air-dried. Free information. **DHM Cabinetmakers**

555. Professional Hand Tools — Highest-quality hand tools for construction and renovation; represents all leading manufacturers. Sets available. Send for catalog. **Durable Goods**

189. Molded Ornament — Wide range of interior and exterior molded ornament in both fibrous plaster and fiberglass-reinforced polyester. Custom work a

specialty; many large commercial and institutional projects successfully completed. Free brochure. **Edon Corp.**

289. Ornamental Plaster — Fabricators of fine period & custom ornament: cornices, medallions, sculpture, niches, capitals, brackets, domes. 2,300 antique molds available. Routinely handles large jobs. Free catalog. **Felber Studios**

196. Plaster Ornament — Hundreds of ornaments in fiber-reinforced plaster from turn-of-the-century molds. Also: custom duplication of existing ornament from your sample. Free flyer. **Fischer & Jirouch Co.**

639. Molding Conservation — Studio specializes in conservation and restoration of architectural elements, sculpture, and fine art. Services include modeling, mold-making, replication of lost detail from photos or blueprints. Free brochure. **Freedman Studios**

733. Ornamental Plaster — Studio designs, manufactures, and installs ornamental plaster in Washington, D.C., and metropolitan area. Free brochure. **Giannetti Studios**

253. Heart Pine Paneling & Flooring — Virgin growth antique southern longleaf pine logs are milled into flooring, paneling, and millwork. Free brochure. **Goodwin Lumber Co.**

735. Architectural Sculpture — Restorations, fabrication, moldmaking, and casting. Recreations of all types of ornamental stone, terra cotta, plaster, and composite materials. Free brochure. **Hoboken Brownstone Co.**

702. Antique Heart Pine — Complete in-house handbuilding shop specializing in antique resawn heart-pine products, including flooring, moldings, trims, stairparts, and cabinets. **The Joinery**

536. Custom Wood Mantels — Custom millwork and cabinet shop with emphasis on mantels, staircases, cabinetry, doors & windows, and casework. Free brochure. **Kreider Brothers**

741. Ornamental Plaster — Specialists in restoration and duplication of ornamental plasterwork. Flat plasterwork, domes, moldings, etc. Free brochure. **Mangione Plastering**

563. Architectural Woodwork — Interior raised-panel shutters, wainscoting, or raised panel walls — crafted in any size or hardwood. Free brochure. **Maple Grove Restorations**

Architectural Wood Trim — Handcrafted interior and exterior 18th-century architectural trim: Colonial doors and windows, shutters, wainscot, carved details, pediments, etc. Custom work a specialty. Call (203) 633-2383. **Maurer & Shepherd Joiners**

646. GFRC Moldings — Architectural and ornamental panels produced in glass-fiber reinforced concrete with cross-sections as thin as 1/2 in. Can replicate historic ornaments, or execute new designs. Free literature. **Molloy and Associates**

765. Historic & Contemporary Signs — Fabricates signs, restores facades, designs interiors — including faux marble and trompe l'oeil. Also: Exterior designs and consultation on custom projects. Free brochure. **Musgrove Design**

482. Custom Turnings — Custom balusters, newels, finials, porch spindles. Large or small orders. Can work from your drawings, photo, or sample. Free brochure. **National Decks**

326. Antique Paneling & Flooring — Antique wide-board flooring for 18th-century restorations and colonial reproductions. All wood is planed, ready to install. Free brochure. **Northfield Restorations**

743. Plaster Ornament — Line of French interior ornament includes patterns suitable for major installations such as ball rooms, theaters, malls, etc. Free brochure. **Nostalgia, Inc.**

642. Molded Ornament — Sculpture studio ranges from contemporary designs to historical replicas. Work includes: Moldings, doorways, arches, ceilings, medallions, columns, cornices, capitals, fountains, and ornamental figures. Free literature. **Manuel Palos Sculpture**

496. Custom Turnings — Balusters, newels, fluting, spiral rope twists, finials, column bases, etc. Any wood, any design. No minimum order. Free brochure. **Partelow Wood Turnings**

744. Molded Ornament — Extensive line of exterior and interior rigid polyurethane molded ornament. Facilities for custom moldings. Free brochure. **Perma Life, Inc.**

636. Molding Materials — Polyurethane & silicone rubbers are fast and durable for making duplicate molds. Poly RTV rubbers make molds for plaster, cements, and resins. Free literature. **Polytek Development Corp.**

671. Preservation Books & Instruments — Books, instruments and related products for preservation and restoration of architecture and objects. Consulting and training services. Free brochure. **PRG, Inc.**

422. Architectural Ornament — Sculpture studio uses fiberglass-reinforced polymers to replicate cornices, terra cotta ornament, and other architectural decoration. Full custom services. Free brochure. **Rocca Noto Sculpture Studio**

748. Victorian Wallcoverings — Distributes Crown relief wallcoverings, as well as a wide line of other traditional wallcovering products. Free brochure. **Royal American Wallcraft**

44. Exterior Shutters — White pine plantation shutters with moveable louvers. Also fixed louvers and 3 styles of raised-panel shutters. Unfinished or painted in your color choice using your paint spec. Hundreds of sizes. Brochure & price list. **Shuttercraft**

487. Custom Stairs — Stairways made from wood, steel, brass, stainless steel, etc. Each stairway is designed and built from scratch. Free brochure. **Stairways, Inc.**

644. Architectural Ceramics — Custom studio produces a wide variety of hand-crafted architectural ceramics, including glazed and unglazed terra cotta, handpainted and embossed tiles. Free brochure. **Tesera Studio**

750. Ornamental Plaster — Specializes in ornamental plastering, masonry, mold-making, and casting in natural and composite materials. Also: High-design painting contracting, lath and plaster walls, and ceilings. Free brochure. **Towne House Restorations**

123. Cedar Shutters — Shutters are crafted from clear old growth western red cedar. Joints are mor-

tise-and-tenon with teak locking pins. 5 traditional styles in standard and custom sizes. **Vixen Hill Shutters**

761. Architectural Ornaments — Ornaments for architectural interiors, woodwork, furniture, frames, etc. Flexible and self-bonding, compo ornaments are historically authentic. Free literature. **J.P. Weaver Co.**

712. Victorian Millwork — Screen doors, porch parts, custom woodwork, moldings, ornamental trim and gingerbread of all types fabricated from original period patterns. Free catalog. **Wood Factory**

163. Wood Columns — Ponderosa pine columns in many styles; columns for exterior use are preservative-treated. Standard sizes up to 12-in. dia.; custom work to 30-in. dia. Free catalog. **Worthington Group**

■ Division 7 — MOISTURE PROTECTION

679. Roofing Slate & Copper Work — Specialists in roofing slate and copper work for historic preservation. They take on limited number of jobs to insure quality work. Free brochure. **Bellvale Roofing Slate**

758. Half-Round Gutters — Line of roof drainage products includes 1/2-round gutters and snowguards in copper, aluminum, and painted galvanized steel. Free brochure. **Berger Building Products**

714. Metal Roofing Shingles — Manufactures metal roofing shingles, including one pattern typical of late-19th century houses. Available in galvanized steel, copper, TCS, or terne. Also: Gutters, leaders, etc. Free brochure. **Conklin Metal Industries**

713. Vermont Slate — Roofing slate in all thicknesses and colors, including red, unadorned green, and Vermont black. Also a full range of slater's tool. Free brochure. **Evergreen Slate Co.**

377. Substitute Slate Shingles — Fiber/Cement shingles without asbestos simulate look of slate without the high cost and heavy weight. Many colors and patterns. Free brochure. **FibreCem Corp.**

417. Quartersawn Clapboards — Spruce and pine clapboards, radially sawn on original 19th-century equipment, provides more dimensional stability and better paint adhesion than conventional clapboards. Free brochure. **Granville Manufacturing**

Slate Roofing — Major quarry of Vermont premium natural roofing slate and flooring. Some colors include: sea green, mottled purple, grey-black and more. For information call 518-642-2270. **Hilltop Slate**

653. Wood Roofing & Siding — Roofing, siding, decks, and trim from Western Red Cedar, Douglas Fir, Redwood, Cypress, and Mahogany. Roofing for historic projects a specialty. Custom orders welcome. Free brochure. **Liberty Cedar**

742. Roof Restoration — Installer and consultant for slate and tile roofing. Specialties include custom slate, tile, and copper roofing. Reasonable prices. Free literature. **Middle Roof Engineering Co.**

718. Concrete Roof Tiles — Concrete roof tiles in many traditional shapes: Fireproof, durable, economical. Many styles and colors available. Free brochure. **Monier Roof Tiles**

580. Recycled Slate & Tile — Hard-to-find slate and tile for matching repairs and additions will be found in the U.S.'s largest inventory of recycled roofing material. One tile or a truckload, shipped anywhere. Free brochure. **Raleigh, Inc.**

634. Concrete Tiles — Reinforced concrete roofing tiles can replicate wood shakes and many other traditional shapes. Integral colors. Economical, long-lasting. Free Brochure. **Richmond Precast Concrete Products**

746. Architectural Roofing — Company does slate and tile roofs, custom copper work, waterproofing, wood roofs, gutters and leaders, chimneys, sheet metal roofs, and complete exterior restoration. Free brochure. **Rogers Roofing Co.**

747. Architectural Roofing — Very large distributor of all types of traditional roofing materials. 7 locations in Washington/Baltimore area. Free brochure. **The Roof Center**

721. Architectural Roofing — Specialists in restoration of slate and copper roofs. Fabrication of custom finials, weathervanes, and roof ornaments. Consultation services. Free literature. **Slate & Copper Services**

423. Fancy-Cut Shingles — Manufactures a wide variety of fancy-butt shingles for Queen Anne and other decorative siding. Custom work. Free brochure. **South Coast Shingle Co.**

464. Copper Verdigris — Two systems rapidly create the characteristic green copper color. One works directly on copper; second system is a coating that can be applied to any material. Free brochure. **Thermo Materials Corp.**

696. Salvaged Roof Tile — A computerized listing and selling service that provides all brands and shapes of the world's finest previously used clay roof tiles. Quantities for small repairs or large projects. Free brochure. **TileSearch**

284. Concrete Roofing Tiles — Extruded tiles, with color throughout the body, create the look of clay tiles or slate at a fraction of the cost. 20 standard colors and textures, plus custom manufacturing. Free brochure. **Vande Hey Raleigh**

Slate Roofing — Fabricating of all types of roofing slate. Also fabricates slate flooring, and sink tops. Non-laminated stone with many colors to match. Free brochure. **Vermont Structural Slate Co.**

52. Sheet Metal Roofing & Ornament — Richly ornamented metal ceilings, from original turn-of-the-century dies. Also: Exterior cornices and hundreds of sheet metal ornaments. Free catalog. **W. F. Norman**

665. Quartersawn Clapboards — Modern mill turns out production quantities of vertical-grain clapboards that show much less twisting, warping, and cupping than ordinary flat-sawn clapboards. Free brochure. **Ward Clapboard Mill**

■ Division 8 — DOORS & WINDOWS

69. Invisible Storm Windows — Match any window shape or color; removable storm windows available inside- or outside-mounted, screen and glass panels. Fixed, magnetic, sliding, or lift-out styles. Free brochure. **Allied Windows**

293. Authentic Restoration Hardware — The nation's largest selection of authentic 18th- and 19th-century hardware: Hinges, latches, pulls, shutter hardware, much more. Also: Custom work and

■ FREE PRODUCT INFORMATION

Use this form to get catalogs of historical products in this issue. (Literature is free to qualified professionals.) We'll forward your request to the respective manufacturers. Allow 4-6 weeks for literature to arrive.

THIS FORM EXPIRES AUGUST 15, 1991

NAME _____
 COMPANY _____
 ADDRESS _____
 CITY _____ STATE _____ ZIP _____
 PHONE () _____

1 Your Business: ☐ Architect ☐ Contractor ☐ Interior Designer
☐ Engineer/Consultant ☐ Government ☐ Other (specify): _____

2 Is your need: ☐ Immediate project? ☐ For your files?

For Free Product Information, FILL IN The Appropriate Number(s).

☐ PLEASE ENTER A 1-YEAR SUBSCRIPTION, AND BILL ME \$18.

Mail to: TRADITIONAL BUILDING, Product Literature Department
 69A Seventh Ave., Brooklyn, NY 11217 (718) 636-0788 FAX: (718) 636-0750

repairs. Free mini-catalog. **Ball & Ball**

668. Replacement Sash — Any size or layout: circle, oval, round-top, Gothic. Sash or complete window unit. Custom moldings, doors, millwork to specs. Free flyer. **Drums Sash & Door**

312. Steel Window Hardware — Replacement hardware for historic steel casement and other types of steel windows. Handles, roto operators, bar hinges, much more. Custom work available. Free brochure. **Hope's Landmark Windows**

760. Door & Window Hardware — Exclusive importer of a wide range of traditional house hardware; over 21,000 items available. Free brochure. **Maguire Iron**

146. Replacement Wood Sash — Wood sash in any size and shape: Divided lite, round top, curved, double-hung, fixed, casement, or storm sash. Insulated glass. Also: shutters, screen doors, and trim. Free brochure. **Midwest Wood Products**

720. Historic Wood Windows — Millwork shop supplies clear white pine custom landmark windows. Also: Doors, stair treads, risers, moldings, etc. Free literature. **Schlemowitz, Inc.**

757. Window Restoration — Epoxy work, frame routing, prime coating, and conversion to IG glass. Shop work. Free brochure. **Specialty Glazing & Supply**

Specialty Wood Windows — Palladians, straight, and fan transoms. Single-, double-, or triple-glazed; thin muntins. Also: solid wood doors with insulating core. For pricing, call: (802) 722-9217. **Woodstone Co.**

■ Division 9 — FINISHES

723. Hand-Carved Ornament — Creates traditional hand-carved decoration for architecture and furniture to highest European standards. Their work is seen in many British mansions and palaces. Free brochure. **Agrell & Thorpe**

530. Paneling & Carved Mantels — 22 hand-carved stock English and French mantel styles. Custom paneling in classical styles. Free brochure. **Architectural Paneling**

724. Wood Refinishing — Highest quality restoration and refinishing of interior woodwork to museum standards. Free brochure. **Architectural Refinishing**

725. Stone Mantels & Carving — Classically trained sculptor carves Indiana limestone: Mantels, chimney pieces, architectural ornament. Free brochure. **Architectural Sculpting**

13. Victorian Roomset Wallpapers — Victorian wallpaper collection can be combined in infinite variations. Color catalog shows 7 roomsets including: Neo-Grec; Anglo-Japanese; Morris; Aesthetic Movement. One chapter sent free. **Bradbury & Bradbury**

638. Sculptural Restoration — Restorer specializes in public monuments, sculpture, and masonry facades. Chemical cleaning, rebuilding or replacing damaged elements are just part of services offered. Free brochure. **Creative Sculpture**

533. Handcrafted Pine Mantels — Reproduction Early American, English, and French mantels handcrafted in white pine. Stock and custom sizes. Any wood available on custom orders. Free brochure. **Draper & Draper, Ltd.**

449. Faux Finishing Workshops — Marbleizing, graining, glazing, and other specialty paint finishes taught to professionals in hands-on workshops. Free brochure. **Fe Fi Faux**

732. Architectural Restorations — Company specializes in woodwork restorations and reproductions, from individual elements to complete interiors. Free brochure. **Gest Restorations**

693. Authentic 19th Century Carpet — Real Victorian carpet is woven on 19th-century machinery, using original designs. Hundreds of authentic patterns available. Authentic English lace for window treatments. Free brochure. **J.R. Burrows & Co.**

Carved Wood Doors — Large selection of hand-carved wood doors, with stained, etched, or beveled glass inserts. Will also custom-build any type door or glass. Custom carvings. Call (502) 489-2613. **Jack Wallis Doors**

389. Carved Entryways — Elegant hardwood doors and entryways are based on originals from Georgian, Federal, and Victorian periods. Free brochure. **Kenmore Industries**

738. Hand-carved Wood — Custom-designed hand-carved wood. Carvings of any size, in any style, for furniture or architectural ornament. Free brochure. **Dimitrios Klitsas**

537. Paneling & Mantels — Handcrafted architectural woodwork, including mantels, columns, pediments, top panels, wainscoting, shutters, and moldings. Free brochure. **Larkin Co.**

745. Stone & Masonry Restoration — Exterior facade restoration: Masonry work in mortar, precast, model making, casting. Replacement and repair of stonework including marble and sandstone. Free brochure. **Pietra Dura, Inc.**

577. Wood Carvings — Architectural accoutrements, including mantels, sculpted in solid woods. Your designs executed... or select from large array of elegant stock carved elements. Free brochure. **Raymond E. Enkeboll**

217. Wood Mantels — Elegant carved wood mantels ready to install. Available in 40 styles, from Louis XV to Williamsburg Colonial. Openings are 50 in. x 37-1/2 in.; special sizes on request. Catalog. **Readybuilt Products**

42. Documentary Papers & Fabrics — New collection of fabrics and wallpapers is based on originals found in America's great historic houses. Available through interior designers and fine shops. Color brochure. **Richard E. Thibaut**

719. Custom Woodwork — Provides highest quality woodwork — from narrow muntin divided lite windows of insulating glass to restored paneling, casework, and furniture. Handles major jobs. Free brochure. **Ricketson Woodwork**

752. Architectural Wood Carvings — Carving of moldings, mantels, brackets, rosettes, coats of arms, furniture, advertising models, signs, etc. Free literature. **Frederick Wilbur, Carver**

753. Custom Woodwork — Services include design, fabrication, and finishing of fine woodwork. Production runs of doors shutters, brackets, spindles and posts, etc. Free brochure. **Wilson & McCracken**

756. Fireplaces & Mantels — Carved wood

mantels, andirons, fire tools, grates, fenders, hand-painted tiles, bellows, etc. Also: Antique marble mantels and fire tools. Free brochure. **Wm. H. Jackson Co.**

■ Division 10 — SPECIALTIES

329. Steeple Restoration — Doors & entries, paneling, moldings, columns, balustrades, stairways, cabinetry. Specializes in materials for restoration of 18th- and 19th-century buildings. Free brochure. **Architectural Timber & Millwork**

582. Cupolas & Weathervanes — Aluminum cupolas, domes, weathervanes, cornices, ornamental load-bearing columns, and balustrades in exact detail for historic buildings. Rotproof. Baked-on finishes available. Free flyer. **Campbellsville Industries**

728. Weathervanes & Cupolas — Full-bodied copper figures with solid-brass directionals. Cupolas are made of pine and are available fully assembled or in kits. Also: Mailboxes, sundials, fittings etc. Free brochure. **Colonial Collections**

729. Copper and Brass Vanes — Lighting for interior and exterior, including sconces in Leadtex for the tin look in old designs. Also available: Copper weathervanes and cupolas. Free brochure. **Copper House**

716. Cupolas — Cupolas with pagoda, hip, or bell roofs. 4, 6, or 8 sides; up to 68 in. high. Stock or custom. Free literature. **Country Cupolas**

730. Cupolas & Weathervanes — Offers complete cupola service from design through installation; stock or custom. Also: Large selection of stock or custom weathervanes. Free brochure. **Denninger Products**

731. Fiberglass Church Products — Line of fiberglass church products includes steeples, baptistries, light wall crosses, kinkglas windows, and baptistry heaters. Free catalog. **Fiberglass Specialties**

734. Weathervanes — All copper figures — rounded, not flat cutouts. Solid brass directionals. All copper spacer balls, steel rod. Traditional and contemporary designs. Free brochure. **Good Directions**

121. Custom Casting — Foundry custom-casts architectural ornament in iron, aluminum, and bronze. Works from your specs, or can draw on extensive archive of historic ornament to make design suggestions. Free brochure. **Historical Arts & Casting**

737. Handmade Weathervanes — Weathervanes custom-made to highest standards of detail and craftsmanship. Vanes sculpted from copper and brazed for sound, durable product. Free brochure. **Ives Weathervanes**

739. Molded Ornament — Commercial facades, church cupolas, restoration, terra cotta replacement, etc. Composite of polymer-concrete over FRP laminate provides lightweight, waterproof replicas of natural stone. Free brochure. **Kreysler & Associates**

759. Steeplejacks — High-altitude millwork and carpentry, masonry and stonework, structural repairs, copperwork, gilding, weathervanes, and lightning protection. Free brochure. **Landmark Rigging, Inc.**

740. Hand-Crafted Weathervanes — Large selection of handcrafted copper weathervanes, from sizes large enough for church steeples to small residential models. Free brochure. **Kenneth Lynch & Sons**

37. Pigeon Control — Get rid of bird pests with inconspicuous stainless steel needles that eliminate roosts — without harming building. Humane and practical. Free flyer. **Nixalite**

659. Handcrafted Weathervanes — American handcrafted weathervanes; new and custom designs. Lectures, appraisals, and displays available. Free brochure. **Salt & Chestnut Weathervanes**

749. Architectural Finials — Company makes finials out of copper, brass, fiberglass, and wood: 3 ft. to 12 ft. hts. Free brochure. **Seifert Design/Development Co.**

762. Steeple Restoration — Specialist in steeple restoration, gold-leafing, and preservation of historic buildings. Nationwide services include: Exterior restoration, repointing, carpentry, painting, roofing, etc. Free literature. **Skyline Engineers**

46. Historic Markers — Historic markers in sand-cast bronze or aluminum. Also: Anodized aluminum markers with image permanently embedded in bronze or pewter finish. No charge for

photos. Custom work. Free catalog. **Smith-Cornell**

764. Handcrafted Weathervanes — Metal sculptor specializes in full-bodied weathervanes; will custom-build one to your design, or adapt one from a series of available stock designs. Free flyer. **Travis Tuck**

751. Architectural Fiberglass — Fiberglass baptistries, spires, crosses and lighting by firm with extensive experience. Free brochure. **Wiedemann Industries**

755. Weathervanes — Line of 70 stock vanes in copper or aluminum; custom work available. Also: Cupolas and finials. Free catalog. **Wind & Weather**

■ Division 15 — MECHANICAL

586. Bathroom Fixtures & Hardware — Turn-of-the-century bathroom fixtures and accessories; reproduction & antique. Classic brass hardware and hard-to-find parts. Free brochure. **Bathroom Machineries**

270. Moisture Vents — Small, screened metal louvers, 1" to 6" dia., release moisture trapped in walls, cornices, soffits, etc. Just drill holes and press in place. Free literature. **Midget Louver**

581. Brass & Iron Registers — Beautiful solid brass and cast-iron registers are made from 19th and early 20th century originals. Free catalog. **Reggio Register**

574. Wooden Air Vents — Strong, durable wood vent covers made from 40 select woods in 57 standard sizes and 6 styles. Free brochure. **Triarco, Inc.**

53. Edwardian Faucets — Importer of English Edwardian and Italian style faucets, fittings, wash-basin sets, bath/shower and bidet sets in chrome, brass, gold, and enamel finishes. Catalog. **Water-colors**

■ Division 16 — ELECTRICAL

6. Reproduction Lighting — Handcrafted 18th- and 19th-century lighting fixtures: chandeliers, sconces, and table lamps — all of solid brass. Free catalog. **Authentic Designs**

604. Reproduction Lighting — Colonial reproduction light fixtures in copper, brass, tin, and iron. Post lanterns, wall lanterns, chandeliers, and candlestands. Custom work available. Free brochure. **Lighting by Hammerworks**

654. Copper Lanterns — Coppersmiths create handcrafted weathervanes. Lanterns and lighting custom designed. Free brochure. **MacQuarrie & Niccum**

80. Lanterns & Sconces — Large selection of Early American lanterns, sconces, and chandeliers for indoor and outdoor use. Constructed from solid copper and brass. Catalog free to professionals. **Newstamp Lighting**

763. Craftsman Lighting — Reproduction Craftsman chandeliers and sconces are appropriate for residential, commercial, or government interiors. Historically accurate: solid brass or cast iron. Free brochure. **Rejuvenation Lamp & Fixture**

43. Vintage Lighting — Victorian and turn-of-the-century chandeliers and sconces: Gas, oil, and electric. Antique and reproduction fixtures; replacement parts and glass shades. Free catalog. **Roy Electric**

103. Cast-Iron Light Poles — Highest-quality cast-iron light poles in historical styles can be purchased separately, or with wide selection of luminaires. Also sign poles, clock supports, and bollards. Custom work. Free brochure. **Spring City Electrical**

660. Period Lighting — Cast-aluminum period outdoor lighting and accessories for: Parks, streets, driveways, pools, entrances, gardens, decks, patios. Free brochure. **Sunfeather Reproductions**

299. New Old Lighting — A new line of reproduction lighting fixtures includes wall-mounted torchieres, ceiling fixtures, and sconces from the turn-of-the-century. Free brochure. **Urban Archaeology**

373. Victorian Lighting Fixtures — Authentic reproduction Victorian & turn-of-the-century electric and gas chandeliers and wall brackets. Variety of glass shades. Catalog free. **Victorian Lighting Works**

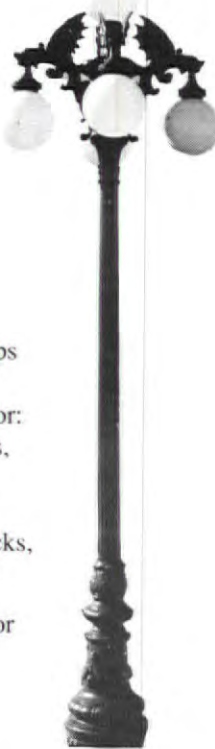
754. Lighting Reproductions — Solid cast brass, original Victorian creations. Sconces, chandeliers, floor and table lamps. Free brochure. **Wilson Heritage**

Division 16, ELECTRICAL

continued from page 49

ARCHITECTURAL
ALUMINUM
CASTINGS

We offer a superior quality
line of cast-aluminum
reproductions of antique
period lights
in a variety of styles at
comparatively low prices.



Outdoor lamps
and related
accessories for:
Parks, Streets,
Driveways,
Entrances,
Gardens, Decks,
Patios, Pools

Send \$2.00 for
catalog.



P.O. Box 5077, Dept. TB
Silver City, NM 88062
(505) 388-3318

WRITE IN NO. 660

MAKERS OF
COLONIAL AND
EARLY AMERICAN
LIGHTING FIXTURES



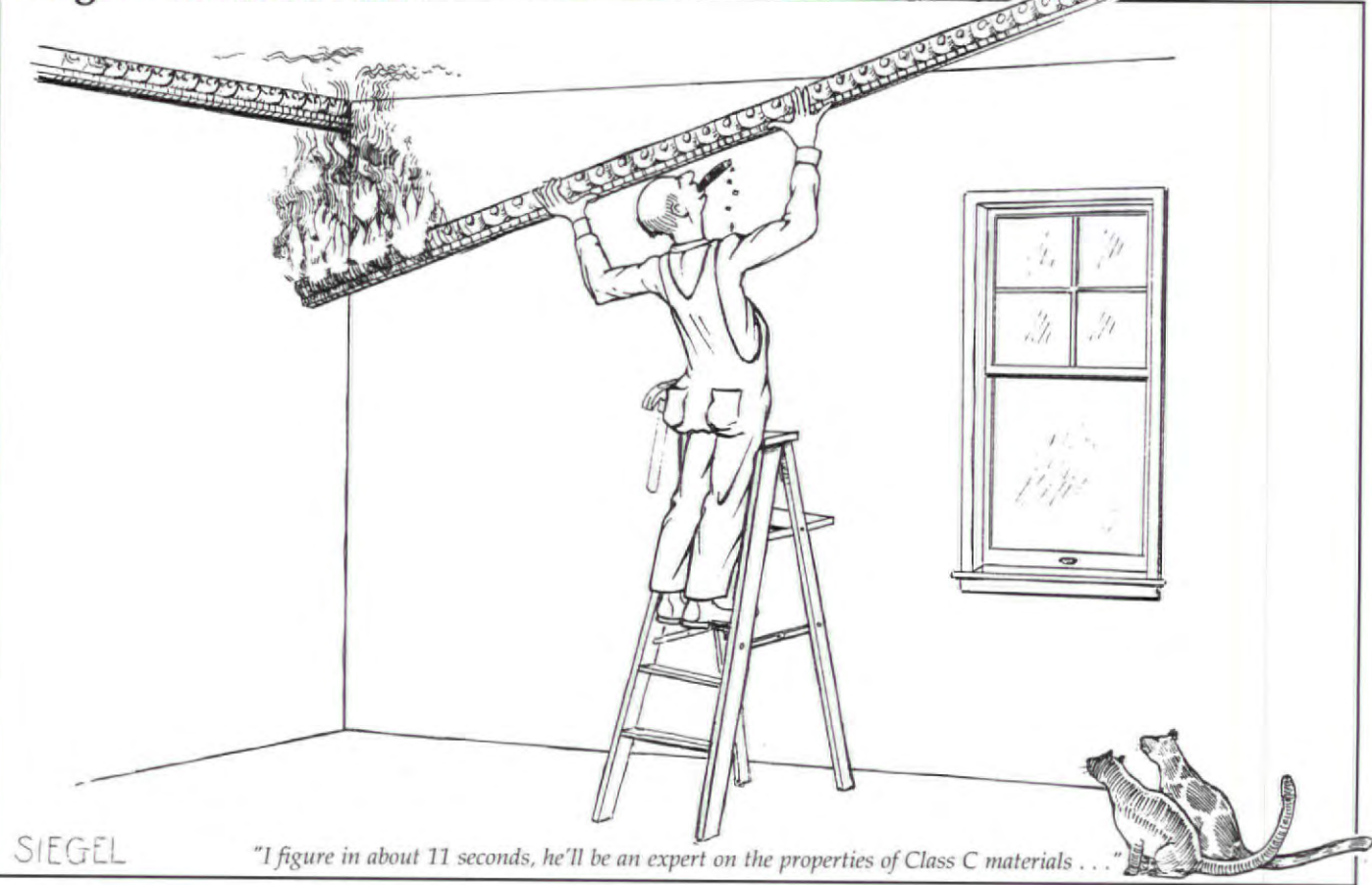
47 The Mill Road, West Rupert, Vermont 05776

(802) 394-7713

Catalogue \$3.00

WRITE IN NO. 6

siegel's scratchboard



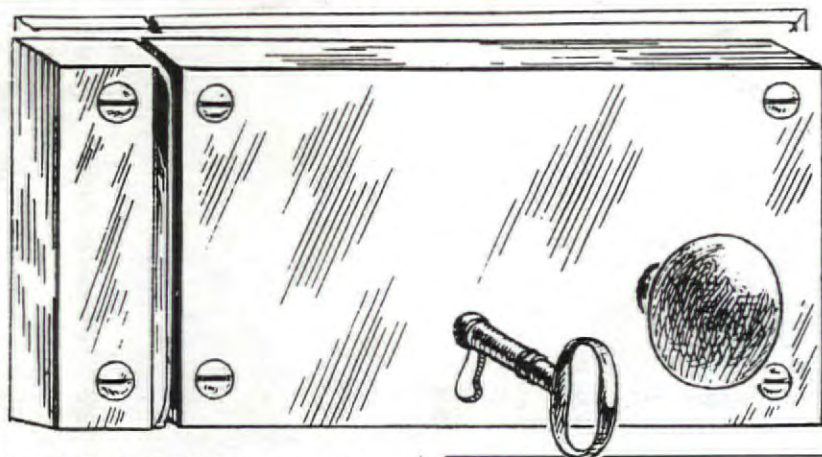
"I figure in about 11 seconds, he'll be an expert on the properties of Class C materials..."

Authentic Historical Hardware

Dulton - case & shades

Door & Window Hardware, Fireplace Accessories, Period Lighting

Historic Hardware



Ball & Ball is the largest supplier of authentic period hardware in the U.S. — both antique and reproduction. Our 45 skilled workers draw upon knowledge accumulated through 3 generations of management by the Ball family. And our study collection of antique hardware provides Ball & Ball with more in-depth knowledge of historic hardware than any other supplier.

For example, our X90 box locks (shown) combine modern convenience with charm. Faithful to the historic originals, this lock has a brass box covering an iron plate on which the operating mechanism is mounted. Because of our attention to historical detail, these locks may be used in the most important restorations as well as in the well-appointed home.

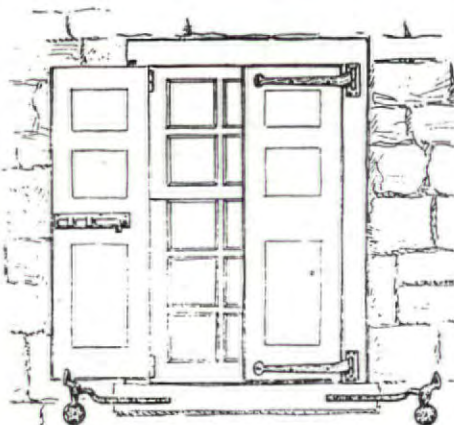
Many other types of authentic historic box locks are shown in our 108-page catalog — along with a wealth of other hardware for architectural and furniture applications.

Lighting Fixtures



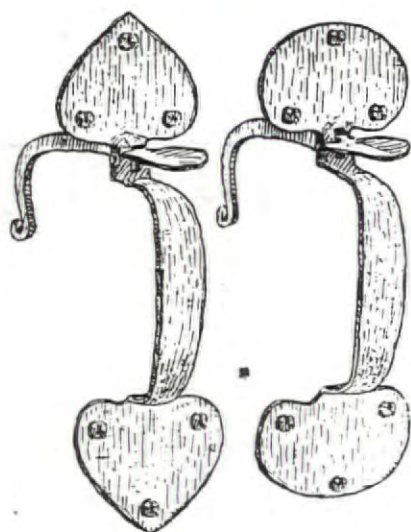
Ball & Ball offers the finest selection of reproduction Early American lighting fixtures. All brass is solid — not plated — and glass used is hand-blown lead crystal. Pure copper, tin and iron are used for fixtures that require these metals. Shown: The Independence Hall chandelier, identical to fixtures supplied by Ball & Ball for the restoration of Independence Hall in Philadelphia.

Shutter Hardware



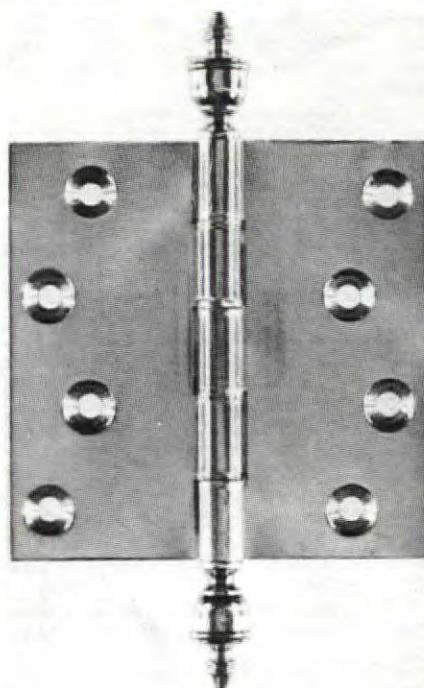
Strap hinges, locks, and shutter hold-backs are available as stock or special-order items. HAND-FORGED shutter hinges with lag screw or drive pintles available on special order. Also: Inside shutter hardware in brass and cast iron.

Latches



We have a varied stock of authentic reproduction thumb latches, ranging from Colonial times up to 1850. Many special thumb latch shapes can also be made at the STOCK PRICE. Left: 10-1/2" hand-forged spade-end latch. Right: 9-3/4" semi-hand made bean-end latch.

Hinges



We carry a wide selection of iron and brass hinges from the Early American and Victorian periods. Shown: the H1877 4x4 brass steeple-tip door hinge with bronze load-bearing bushings, typical of the style used in the late 1880's.

Used In The Finest Restorations

Ball & Ball hardware has been specified for the finest restorations in North America including: Independence Hall, Philadelphia; The Shirley Eustis House, Boston; Iolani Palace, Hawaii; New York State Capitol, Albany; Klondike Gold Rush Park, Alaska; The Old Synagogue, Barbados.

Window Hardware



Sash and casement window fittings are available for the Early American and Victorian periods: Hand-forged and cast; iron, brass, and bronze. Above: V150-226 Victorian cast-iron sash lock with porcelain knob. Below: V160-290 brass flush-mounting sash lift.



Catalogs In 2 Sizes

Our MINI-CATALOG provides an introduction to the range of products and services furnished by Ball & Ball and is available FREE. (You can write in no. 293 on the Reader Service Form.) Or for \$5 we'll send you — via U.P.S. — our handsome, lavishly illustrated 108-page product catalog. Our catalog incorporates useful information about antique hardware that will help you appreciate the subtle differences in the manufacture of reproductions. But even the 108-page catalog doesn't show all 2,000 of our hardware products. If you're looking for something rare or unusual, call or FAX us.

BALL and BALL

Authentic Historical Hardware

463 West Lincoln Highway
Exton, PA 19341
(215) 363-7330
FAX only (215) 363-7639