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ON THE COVER:

In the 1950's, twenty-two 45-foot-tall columns were torn off the East Front of the U.S. Capitol to make way for a renovation. Preservation architect Mary Oehlerlen, this month's profile subject (see page 4), repaired the columns, reinforced them with steel rods, and erected them in the National Arboretum where, she says, "they are wonderful, like a real ruin."

Clem Labine's

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NOVEMBER/DECEMBER 1991
MARY OEHRLEIN: Hellbent on Restoration

BY EVE M. KAHN

No one in Mary Oehrlein’s rural Iowa hometown was an architect and almost no one knew what architects did; no other women graduated in her architecture-school class in 1973. And yet, the more people advised her not to want to build, design, or restore structures, the firmer her resolve. “They only reinforced my desire; I wanted to say, ‘Take that, and that,’” she says, shortly after introducing herself with a handshake that could crush gravel.

The secret of the success of her Washington-based restoration-architecture firm, it seems, is her determination. She has known what she wanted to do since she was in seventh grade, and she has even made fate bend to her will. She has watched two employers fold under her and then easily advanced to the next job without mailing out a single resume. Not that she has ever stopped learning; she says, shortly after introducing herself with a handshake that could crush gravel.

“As something gets easier, and requires less research and effort, you feel like you’ve stopped learning,” she says. “And that, to me, is close to being dead.”

Blonde, fine-featured, and blue-eyed, she is often an anomaly on the construction sites she likes to frequent. But she feels her gender or appearance never helped or hindered her career. “It’s not something I’m ever aware of. I just think of myself as a professional,” she says. Gender never enters her hiring choices. “I don’t care if they smoke or have a spotless record,” she says. “As long as someone’s good, and compatible, since it’s a small office,”

She also dismantled the facades of three circa-1862 warehouses in Washington and learned about that city’s preservation pitfalls.

Maneuvering in Washington

“We like to think that the process is worse here than anywhere else,” she says. “Because of the height and zoning restrictions, every piece of ground in downtown D.C. is valued as being able to build to the height limit. And the interpretation of the building code is very strict, with very little allowance made for historic structures.” The warehouses, irreparably damaged by subway construction, were torn down and their facades tacked onto new shells. While waiting for years to be re-erected, the masonry had fallen into ruins, after onslaughts from snakes, hornets, bees, mice, and water. Oehrlein was still able to save 80% of the original material.

A Wide-Ranging Training

So far she has restored buildings of all better pre-1950 species, from sturdy 19th-century brick mills to 1930’s department stores. Her real-life education began after she graduated from Iowa State and set off for a grand tour of Europe.

With characteristic thoroughness, she carried her architectural-history textbooks with her and, as she visited important structures illustrated therein, checked them off. Her first job, with a Washington-based construction company that dabbled in restoration, allowed her to learn skills she is still refining. She discovered, for example, how to take control of construction sites: “There I was, 19 or 20 years old, telling steel workers what to do. They could have eaten me alive. Instead they were all very nice; maybe that’s what comes from growing up in Iowa and being totally naive and trusting.” She also researched paint analysis in antique books at the Library of Congress and explored stone consolidation.

“It was a very new field then,” she says. “We made a lot of mistakes, put things on buildings that we shouldn’t have, and I learned.”

As the company went bankrupt in 1975, it sold its contracts to The Ehrenkrantz Group. At the time, Oehrlein was on assignment in Louisiana and received a telephone call telling her to “just keep working.” With Ehrenkrantz, she began as a preservation consultant and then expanded into construction, design, and site supervision, including work on Ellis Island — then at its nadir in the early ’80’s. “We’d spend all day there, for weeks and weeks, and the only other living thing we’d see would be a rat,” she recalls. “And we’d repoint a wall and repair a gutter, but no one would be around to clean the gutter so it would overflow onto the newly repointed wall. We just couldn’t keep up with the deterioration.” She also dismantled the facades of three circa-1862 warehouses in Washington and learned about that city’s preservation pitfalls.

continued on page 53

To move the facade of this neo-Moorish Masonic Temple in Washington, craftsmen disassembled and reassembled 3700 bits of terra cotta. (Contractors: Classic Contractors)

The first of two Adolph Cluss schools in Washington that Oehrlein has worked on, the Sumner School is now an education and exhibit facility for the D.C. Board of Education. To keep its original second-floor doorway accessible yet provide handicapped access, a staircase made partly of stock parts and partly of parts from another Cluss school was added. (Photo: William Lebovich)
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Casting About For Custom Metal

When specifying custom metal castings, one needs to ask pointed questions to determine which foundry can do the job. Most important: Material and quality of finish.

BY JUDITH SIEGEL LIEF

There's an astonishing range of metal casting companies available to today's specifier, from giant foundries whose primary business is casting engine blocks, to small metal "boutiques" whose expertise is in sculpture and art casting. Here are a few guidelines to help get you pointed toward the caster who's best for your job.

• SIZE OF JOB
Architectural castings are a small percentage of what most foundries do. Many subcontract jobs out depending on what's specified; some will handle small jobs, and some only large volume. There are both "art" foundries and "commercial" foundries; both require experienced artisans, but it's not always necessary to deal with an art foundry — their prices are usually higher and turnaround time longer.

• PATTERN
Many foundries do not have pattern shops anymore, but will cast from samples (make sure to ask about shrinkage). Find a shop that either has a large library of patterns or can work from shop drawings.

• MATERIAL
Know what alloy you want and learn what alloys are used by a foundry. Iron and aluminum are sand cast — which is good for flat or low-relief ornament or ornament that can be broken down into components. Iron, of course, is an historic material that can be broken down into components. Iron and aluminum are sand cast — which is good for flat or low-relief ornament or ornament that can be broken down into components. Iron, of course, is an historic material that can be broken down into components. Iron and aluminum are sand cast — which is good for flat or low-relief ornament or ornament that can be broken down into components. Iron, of course, is an historic material that can be broken down into components.

• FINISH
Finish encompasses texture, color, and reflectivity. Grain fineness is a term used to describe smoothness of texture on the finished piece. An average sand-cast finish ranges from 40-70; lost wax can achieve something between 200-300. 19th-century grey-iron castings are typically around 90 grain fineness, which can be achieved by some foundries today. Rule of thumb: The finer the texture, the higher the price. You may (and should) specify which grain fineness you want. It's usually difficult to match an old patina; to do so would require knowing exactly what metals were poured. Some foundries are experimenting with different alloys and also using chemicals and heat to achieve specific patinas.

• INSTALLATION
Most foundries will fabricate pieces or an entire job — but only some will install. This is a good thing to pin down at the outset.

Special Thanks
Thanks to three custom casters who gave of their time and expertise for this report: Don Quick, Architectural Iron, who most enjoys creating freestanding, individual pieces (like fountains); Robert Baird, Historical Arts & Casting, who relishes creating highly detailed traditional designs for new buildings; and Brian Leo, Brian F. Leo Custom Castings, who appreciates working with architects to create new and unusual designs to be produced in modest amounts.

Who's On The SourceList
To determine which foundries — or cast-metal contractors — were interested in catering to the custom need of historical architects and contractors, we sent out questionnaires to 84 foundries and specialty casters requesting detailed information and photographs of their work. From the replies, the editors selected the 39 respondents who seemed most appropriate for our readers.
# Designers & Manufacturers of Architectural Cast Metal Ornamentation

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<thead>
<tr>
<th>Light Fixtures</th>
<th>Bridges</th>
</tr>
</thead>
<tbody>
<tr>
<td>Store Fronts/Facades</td>
<td>Fountains</td>
</tr>
<tr>
<td>Metal Furniture</td>
<td>Plaques</td>
</tr>
<tr>
<td>Railings</td>
<td>Custom Details</td>
</tr>
<tr>
<td>Canopies/Entrances</td>
<td>Grilles</td>
</tr>
</tbody>
</table>

At Historical Arts and Casting, our commitment to excellence in service and craftsmanship has made it possible to be involved in a wide range of projects across the country. Client satisfaction is tremendously important to us. The people on our experienced staff are anxious to assist you with product information, design and engineering services, shop drawings, manufacturing and installation. Please call or write for further information on how we may best serve your needs.

**Historical Arts & Casting, Inc.**
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Salt Lake City, Utah 84104
(801) 974-0242 • FAX (801) 974-5832
1 (800) 225-1414
# TRADITIONAL BUILDING'S METAL CASTINGS SourceList

<table>
<thead>
<tr>
<th>COMPANY</th>
<th>LITERATURE</th>
<th>SPECIALTY</th>
<th>TYPE OF CASTING</th>
<th>MATERIAL</th>
<th>% CUSTOM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adornments for Architecture</td>
<td>Free</td>
<td>Specializes in the design and development of metal castings.</td>
<td>Hardware, architectural ornament, fence components, lighting fixture parts, historic markers, street furniture, and signage.</td>
<td>Brass, bronze, aluminum, iron, and composites</td>
<td>75%</td>
</tr>
<tr>
<td>American Home Supply</td>
<td>Free</td>
<td>Manufactures over 900 solid brass Victorian reproduction hardware. Will also custom make reproductions from drawings.</td>
<td>Hardware, architectural ornament, fence components, lighting fixture parts, grilles and registers, vintage car/truck parts.</td>
<td>Brass, iron</td>
<td>10%</td>
</tr>
<tr>
<td>Architectural Iron Company, Inc.</td>
<td>Free</td>
<td>Specializes in duplication of architectural ornament in cast brass and bronze. Direct casting from originals, as well as in-house pattern service.</td>
<td>Architectural ornament, fence components, streetsigns, historic markers, street furniture, and signage.</td>
<td>Iron</td>
<td>95%</td>
</tr>
<tr>
<td>Battleground Forge &amp; Foundry</td>
<td>Free</td>
<td>Specializes in aluminum casting of lighting fixtures.</td>
<td>Architectural ornament, lighting fixture parts.</td>
<td>Aluminum</td>
<td>0%</td>
</tr>
<tr>
<td>Brandon Industries, Inc.</td>
<td>Free</td>
<td>Specializes in ornamental metalwork.</td>
<td>Architectural ornament, fence components.</td>
<td>Brass, bronze, aluminum, iron</td>
<td>100%</td>
</tr>
<tr>
<td>Richard O. Byrne</td>
<td>Free</td>
<td>Manufactures high-end architectural hardware.</td>
<td>Hardware, architectural ornament.</td>
<td>Brass, bronze, gold and silver plate</td>
<td>50%</td>
</tr>
<tr>
<td>Cassidy Bros. Forge, Inc.</td>
<td>Free</td>
<td>Specializes in ornamental metalwork.</td>
<td>Architectural ornament, fence components.</td>
<td>Brass, bronze, aluminum, iron</td>
<td>80%</td>
</tr>
<tr>
<td>Cirecast</td>
<td>Free</td>
<td>Custom cast hardware and historical lighting manufacturer of authentic reproductions of ornamental metalwork; can work from shop drawings or stock designs available.</td>
<td>Architectural ornament, lighting fixture parts, lighting fixtures.</td>
<td>Brass, bronze, iron</td>
<td>10%</td>
</tr>
<tr>
<td>Country Iron Foundry</td>
<td>Free</td>
<td>Specializes in ornamental metalwork.</td>
<td>Architectural ornament, fence components.</td>
<td>Aluminum, iron</td>
<td>5%</td>
</tr>
<tr>
<td>Crown City Hardware Co.</td>
<td>Free</td>
<td>Manufactures antique hardware.</td>
<td>Hardware, architectural ornament, fence components, street furniture, and signage.</td>
<td>Brass, bronze, iron, steel</td>
<td>80%</td>
</tr>
<tr>
<td>Deggingers' Foundry, Inc.</td>
<td>Free</td>
<td>Specializes in metal castings with processes including green sand, no bake, and investment casting. Pours both ferrous and non-ferrous; full service foundry.</td>
<td>Hardware, architectural ornament, fence components, streetsigns, historic markers, street furniture, and signage.</td>
<td>Brass, bronze, iron, steel</td>
<td>80%</td>
</tr>
<tr>
<td>Elm Industries</td>
<td>Free</td>
<td>Specializes in custom-fabricated ornamental iron fences, rail, and window guards.</td>
<td>Fence components, street furniture, lamposts, street furniture.</td>
<td>Bronze, iron</td>
<td>80%</td>
</tr>
<tr>
<td>Erie Landmark Co.</td>
<td>Free</td>
<td>Custom cast-bronze markers for preservationists, historical societies, and residences.</td>
<td>Architectural ornament, historic markers.</td>
<td>Bronze, iron</td>
<td>90%</td>
</tr>
<tr>
<td>Excalibur Bronze</td>
<td>Free</td>
<td>Specializes in bronze architectural projects and bronze furniture and sculpture.</td>
<td>Hardware, architectural ornament, fence components, lighting fixture parts, grilles and registers, historic markers, street furniture, and signage.</td>
<td>Brass, bronze, iron</td>
<td>50%</td>
</tr>
<tr>
<td>Historical Arts &amp; Casting, Inc.</td>
<td>Free</td>
<td>Their edge: They have the largest reference library of 19th- &amp; 20th-century patterns and designs and can thus create ornamentation from mere thumbnails, also installations.</td>
<td>Architectural ornament, fence components, street furniture, and signage.</td>
<td>Bronze, iron, aluminum</td>
<td>100%</td>
</tr>
<tr>
<td>Lake Shore Industries</td>
<td>Free</td>
<td>Manufactures cast-aluminum signs and plaques. Many styles available; can work to spec.</td>
<td>Historic markers.</td>
<td>Bronze, iron</td>
<td>50%</td>
</tr>
<tr>
<td>Lawler Machine &amp; Foundry Co.</td>
<td>Free</td>
<td>Ornamental metal components; over 1,200 cataloged selections of gray-iron and aluminum railing panels, finials, balusters and continuous designs, and artistic steel forgings.</td>
<td>Architectural ornament, fence components, grilles and registers, street furniture, garden furniture.</td>
<td>Aluminum, iron</td>
<td>10%</td>
</tr>
<tr>
<td>Leitelt Brothers, Inc.</td>
<td>Free</td>
<td>Specializes in sand castings from 1 oz. to 500 lbs., in-house machining, polishing and custom finishing.</td>
<td>Hardware, architectural ornament, lighting fixture parts, grilles and registers, historic markers.</td>
<td>Brass, bronze, aluminum</td>
<td>75%</td>
</tr>
</tbody>
</table>

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*continued on page 10*
THE LAWLER LINE (since 1933) is a collection of Ornamental Metal Castings (gray iron and aluminum) and Wrought Steel Forgings that is sold only through the trade.

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Lawler Machine & Foundry Co.
Dept TB-91
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Birmingham, AL 35232
# Traditional Building’s Metal Castings SourceList

<table>
<thead>
<tr>
<th>COMPANY</th>
<th>LITERATURE</th>
<th>SPECIALITY</th>
<th>Type of Casting</th>
<th>Material</th>
<th>% Custom</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brian F. Leo Custom Hardware</td>
<td>Free</td>
<td>Specializes in problem solving; can produce ornament from drawings; replicates old or broken ornaments. New line of grilles and registers.</td>
<td>Hardware, architectural ornament, fence components, lighting fixture parts, grilles and registers, statuary, fountains, doors, signage</td>
<td>Brass, bronze, aluminum, stainless steel</td>
<td>50%</td>
</tr>
<tr>
<td>Maguire Iron Corp.</td>
<td>Free</td>
<td>Over 1,000 reproduction pieces of door, window, cabinet, and gate hardware. 150 matching locks and latches.</td>
<td>Hardware</td>
<td>Brass, bronze, iron</td>
<td>15%</td>
</tr>
<tr>
<td>Max-Cast</td>
<td>Free</td>
<td>Full-service sculpture foundry; pattern making to finishing.</td>
<td>Architectural ornament, historic markers, fireplaces, statuary</td>
<td>Bronze, aluminum, iron</td>
<td>45%</td>
</tr>
<tr>
<td>Monumental Iron Works</td>
<td>Free</td>
<td>Large manufacturer of fence components in about 2 dozen styles.</td>
<td>Fence components</td>
<td>Aluminum</td>
<td>0%</td>
</tr>
<tr>
<td>Mystica &amp; Co. Inc.</td>
<td>Free</td>
<td>Specializes in &quot;house jewelry&quot; — precious metal decorative hardware.</td>
<td>Hardware, architectural ornament, statuary</td>
<td>Brass, bronze, silver, gold, platinium</td>
<td>50%</td>
</tr>
<tr>
<td>Neenah Foundry Co.</td>
<td>Free</td>
<td>Large manufacturer of cast-iron tree grates and tree guards</td>
<td>Architectural ornament, street furniture</td>
<td>Iron</td>
<td>10%</td>
</tr>
<tr>
<td>Nesich Brass</td>
<td>None</td>
<td>Small custom sand-cast company specializing in brass, bronze, and aluminum. Also antique car parts and hardware (such as a brass sash pulley).</td>
<td>Architectural ornament</td>
<td>Brass, bronze, aluminum</td>
<td>90%</td>
</tr>
<tr>
<td>Manuel Palos</td>
<td>Free</td>
<td>Specializes in architectural and free-form sculpture in a wide variety of materials. Restoration of historic details, ornamentation, moldings, doorways, arches, ceilings, medallions, columns, cornices, capitals, and fountains.</td>
<td>Architectural ornament, historic markers, street furniture, statuary, architectural sculpture</td>
<td>Bronze and a variety of composite materials</td>
<td>80%</td>
</tr>
<tr>
<td>Pennsylvania Firebacks, Inc.</td>
<td>Free</td>
<td>Specializes in sand-cast firebacks of original design; over 20 styles. Also: Saf-T-Boot and Saf-T-Grate for installation.</td>
<td>Firebacks</td>
<td>Iron</td>
<td>5%</td>
</tr>
<tr>
<td>Permanent Casting, Inc.</td>
<td>Free</td>
<td>Specializes in aluminum scrolls and picket castings for use where high volume exceeds sand-casting capabilities.</td>
<td>Hardware, architectural ornament, fence components, lighting fixture parts, street furniture, wattle griddles</td>
<td>Aluminum</td>
<td>30%</td>
</tr>
<tr>
<td>Rebechiini Studios</td>
<td>Free</td>
<td>Specializes in bronze and aluminum plagues, special letters, etched products, sculpture, and design.</td>
<td>Architectural ornament, historic markers, statuary</td>
<td>Brass, bronze, aluminum, stainless steel</td>
<td>100%</td>
</tr>
<tr>
<td>The Reggie Register Co.</td>
<td>Free</td>
<td>Large manufacturer of a complete line of cast-iron, aluminum, and brass decorative grilles and registers.</td>
<td>Grilles and registers</td>
<td>Brass, bronze, aluminum, iron</td>
<td>5%</td>
</tr>
<tr>
<td>Smith Cornell</td>
<td>Free</td>
<td>Plaques and markers for historic properties in sand-cast bronze and aluminum with either bronze or pewter finish; can also reproduce photos next to text.</td>
<td>Historic markers</td>
<td>Bronze, aluminum</td>
<td>50%</td>
</tr>
<tr>
<td>Steptoe &amp; Wife Antiques</td>
<td>Free</td>
<td>Custom castings to spec or shop drawings; reproduction of existing historic components, restoration of existing architectural metalwork. Complete metal fabrication and welding shop on site.</td>
<td>Hardware, architectural ornament, fence components, grilles and registers</td>
<td>Brass, bronze, aluminum, iron, stainless steel</td>
<td>40%</td>
</tr>
<tr>
<td>Superior Aluminum Products</td>
<td>Free</td>
<td>Specializes in cast-aluminum fencing and columns in 5 finishes (baked-on enamel and anodized).</td>
<td>Architectural ornament, fence components, columns</td>
<td>Aluminum</td>
<td>15%</td>
</tr>
<tr>
<td>Tennessee Fabricating Co.</td>
<td>Free</td>
<td>Specializes in decorative cast iron and cast aluminum.</td>
<td>Fence components, street furniture</td>
<td>Aluminum, iron</td>
<td>5%</td>
</tr>
<tr>
<td>Thomas Fine Castings</td>
<td>Free</td>
<td>Specializes in one-of-a-kind architectural elements.</td>
<td>Architectural ornament</td>
<td>Iron</td>
<td>100%</td>
</tr>
<tr>
<td>Tomahawk Foundry</td>
<td>Free</td>
<td>Custom grey-iron casting; specializes in parts for old and antique stoves.</td>
<td>Architectural ornament, antique stoves</td>
<td>Iron</td>
<td>95%</td>
</tr>
<tr>
<td>Urban Accessories, Inc.</td>
<td>Free</td>
<td>Cast-iron, bronze, aluminum tree grates, trash units, benches; also large volume of custom casting, e.g., Rockefeller Plaza, Pennsylvaniana Ave., San Antonio Riverwalk.</td>
<td>Hardware, architectural ornament, lighting fixture parts, grilles and registers, historic markers, street furniture, address plaques</td>
<td>Brass, bronze, aluminum, iron</td>
<td>40%</td>
</tr>
</tbody>
</table>
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  AND NEW WORK
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MANUEL PALOS SCULPTURE, INC.
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SAN FRANCISCO, CALIFORNIA 94124
415 822 8034  FAX 415 822 9280

WRITE IN NO. 642
CUSTOM METAL CASTINGS PORTFOLIO

For more information on these companies, consult the SourceList on pages 8 and 10.

Snapping turtle, limited edition, bronze - dark or light green patina or cast iron - black or rust patina, MAX-CAST. Write in No. 876

Lantern can be cast in brass or aluminum, LEITELT BROTHERS. Write in No. 874

19 in. dia. cast bronze state seal, REBECHINI STUDIOS, INC. Write in No. 881

Restoration of Flatiron Building, NYC, ARCHITECTURAL IRON CO. Write in No. 843

Bronze pheasant mirror, NESCH BRASS.

"Old South" custom cast-aluminum gates, MOULTRIE MFG. CO.

"Bird of Paradise" gates in aluminum or iron, TENNESSEE FABRICATING CO.

Restored cast-iron fence, Salem, Mass., CASSIDY BROS. FORGE, INC.

"Um of Lillies" fireback with 3 in. Saf-T-Boots and T-550 Zero-clearance Saf-T-Grate, PENNSYLVANIA FIREBACKS, INC. Write in No. 565

Custom bronze casting for bank in Toronto, STEPTOE & WIFE ANTIQUES. Write in No. 47

"Scamozzi" aluminum capital. SUPERIOR ALUMINUM PRODUCTS.

Cast gates, LAWLER MACHINE & FOUNDRY CO. (Photo credit: Herndon & Merry and Emerald) Write in No. 849

Brass, bronze, aluminum, and iron tree grates, URBAN ACCESSORIES.

Bronze plaque, ERIE LANDMARK. Write in No. 866

Lifesize bronze statue at Lexington (Ky.) Horse Park, EXCALIBUR BRONZE. Write in No. 867

One example of the kind of cast-bronze plaque that can be created for historic properties, SMITH-CORNELL, INC. Write in No. 46

Custom cast chandelier, HISTORICAL ARTS & CASTING. Write in No. 121

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12 • NOVEMBER/DECEMBER 1991 TRADITIONAL BUILDING

continued on page 13
Distinctive Ideas in Afforable Picket Fence and Gates.

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Monumental Iron Works' piers can be used in place of stone or brick columns in the line of fence shown above. They can also be used as gate posts.

Cast-bronze relief, MANUEL PALOS SCULPTURE. Write in No. 642

"The Good Shepherd," limited edition, 7 ft. tall, cast bronze, DEGGINGERS' FOUNDRY.

Cast-bronze knob trim, CROWN CITY HARDWARE CO.

L-28 cast-brass entry set from AMERICAN HOME SUPPLY.

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WRITE IN NO. 873
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For more information, contact Epoxy Technology, Inc. 14 Fortune Drive, Billerica, MA 01821, (800) 227-2201, or in MA: (708) 667-3800, Telex: 94-7140
The recession has increased the number of low-ball bids for architectural woodwork jobs. While that sounds like good news for the client, there are hazards for specifiers caught in the middle.

**BY CLEM LABINE**

An interior woodwork package out for pricing recently elicited bids ranging from $80,000 to $300,000! One participant in the bidding disclosed to TRADITIONAL BUILDING that his cost for materials alone, as set forth in the specifications, was $65,000. So the shop that bid $80,000 is going to have to cut some major-league corners.

Naturally, the client is seriously tempted to go with the low-ball bidder . . . and expects the architect and general contractor to police the job to make sure it comes up to specifications. But it seems clear that there's NO WAY the most conscientious project manager can make the low-ball bidder produce a job in accordance with the original specs. The low-baller is hoping that once the job gets going, the client will be so enchanted by the low price that the client will pressure the project manager to OK work that varies enormously from the original specs.

This scenario is being played out many times each day across the country. It boils down to two central issues:

1. What level of quality does the client REALLY want — and what is he or she willing to pay for?
2. How committed are the client and the project manager to enforcing the original specs once the job is awarded?

Equity and fairness disappear from the bidding process when conscientious shops submit bids based on written specs, but the job is awarded to a bidder who prices the job based on an unwritten set of specifications to be negotiated only after the job has begun.

**Screening Questions For Architectural Woodwork Suppliers**

- How long has the firm been in business?
- Is your job much larger or smaller than jobs typically handled by the shop?
- Does the shop appear to be neat and efficiently organized for trouble-free production?
- What is the experience level of the workers? Supervisors? Management?
- Does the shop have adequate machinery for your job?
- Does the shop have the expertise to apply the finishes you want?
- Does the shop have the capability to produce detailed shop drawings?
- Have you closely examined jobs installed by the shop that are similar to your project?
- Have you talked to architects, contractors, or clients who have worked with the shop? What is the shop's reputation for delivering on spec, on time, and on budget? How does the shop handle disputes?

Conflicts are inevitable when the client wants to pay a low price — yet expects a top-quality job. For the **continued on page 24**

**Measuring Quality**

A major problem is that many clients have difficulty telling the difference between high-quality and mediocre work.

The problem is further compounded by the fact that woodwork quality grades — Premium, Custom, and Economy — published by the Architectural Woodwork Institute (AWI) don't adequately cover top-quality woodwork required for most restoration and other high-end custom installations. Jim Ricketson of Ricketson Woodwork points out that AWI is currently working on specs for a "Monumental Grade" of woodwork that will cover high-end custom work of the type Ricketson normally produces — but these specs are not yet published.

David Purnell of American Custom Millwork reports that often the specs accompanying woodwork bid packages are just boilerplate dropped in from a word-processor increased the number of databank and don't really apply to the job at hand. Sometimes the boilerplate underspecifies what the job requires, and at other times the boilerplate needlessly "gold plates" the job. In this situation, the woodwork shop that bids in strict accordance with the written specs can find itself at a major competitive disadvantage with the back-alley shop willing to take "creative liberties" with the specs.

Naturally, the client is seriously tempted to go with the low-ball bidder . . . and expects the architect and general contractor to police the job to make sure it comes up to specifications. But it seems clear that there's NO WAY the most conscientious project manager can make the low-ball bidder produce a job in accordance with the original specs. The low-baller is hoping that once the job gets going, the client will be so enchanted by the low price that the client will pressure the project manager to OK work that varies enormously from the original specs.

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Equity and fairness disappear from the bidding process when conscientious shops submit bids based on written specs, but the job is awarded to a bidder who prices the job based on an unwritten set of specifications to be negotiated only after the job has begun.

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**WRITE IN NO. 844**
<table>
<thead>
<tr>
<th>COMPANY</th>
<th>SPECIALTY</th>
<th>Literature</th>
<th>Design</th>
<th>Build</th>
<th>Pre-Finish</th>
<th>Install</th>
<th>Largest Size Job</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acadian Millwork &amp; Supply Co.</td>
<td>A diversified millwork company that produces cabinetry and casework, paneling, wainscotting, coffered ceilings, curved work, moldings, shutters, custom furniture, mantels, columns, and capitals. Free</td>
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<td>✔️ ✔️ ✔️</td>
<td>✔️ ✔️ ✔️</td>
<td>$300K</td>
<td></td>
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</tr>
<tr>
<td>Allegheny Millwork &amp; Lumber Co.</td>
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<td>✔️ ✔️ ✔️ ✔️</td>
<td>✔️ ✔️ ✔️</td>
<td>✔️ ✔️ ✔️</td>
<td>$2M</td>
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<td>American Custom Millwork</td>
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<td>✔️ ✔️ ✔️</td>
<td>✔️ ✔️ ✔️</td>
<td>$1M</td>
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<tr>
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<td>✔️ ✔️ ✔️</td>
<td>$200K</td>
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<tr>
<td>Architectural Woodworkers of Vt.</td>
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<td>✔️ ✔️ ✔️</td>
<td>✔️ ✔️ ✔️</td>
<td>$100K</td>
<td></td>
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<tr>
<td>Associated Wood Products</td>
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<td>✔️ ✔️ ✔️ ✔️</td>
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<td>$100K</td>
<td></td>
<td></td>
</tr>
<tr>
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<td>$6M</td>
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<td>✔️ ✔️ ✔️</td>
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<td>✔️ ✔️ ✔️</td>
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<td>$1M</td>
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<tr>
<td>Brown Custom Woodworks</td>
<td>Engineers and executives high-end residential and commercial interiors, including research and design: Cabinetry, paneling, coffered ceilings, mantles, columns and pilasters, and custom wood furniture. Free brochure Catalog $5 Write in No. 864</td>
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<td>$250K</td>
<td></td>
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<tr>
<td>Brunswick Woodworking</td>
<td>Designs, builds, and installs cabinetry and casework, paneling, coffered ceilings, mantels, wood columns and pilasters, and custom wood furniture. Prefinished or raw wood. No brochure</td>
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<td>$1M</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Carpenter &amp; Smith Restorations</td>
<td>All custom woodwork repair and fabrication shop: both interior and exterior work. Specializes in traditional new construction, historic restorations, civic structures, and museums. Casework, paneling, custom wood floors, etc. Free Write in No. 841</td>
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<td>✔️ ✔️ ✔️</td>
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<td>$250K</td>
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<td>Custom flooring and interior architectural millwork packages manufactured from: Classic antique southern longleaf yellow pine. Millwork products include: cabinetry, paneling, casings, etc. Free Write in No. 319</td>
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<td>✔️ ✔️ ✔️</td>
<td>✔️ ✔️ ✔️</td>
<td>$200K</td>
<td></td>
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</tr>
<tr>
<td>Creative Woodworking</td>
<td>Architectural woodwork shop that produces custom moldings, cabinets, paneling, custom flooring, and mantels. Also has a catalog of stock moldings. Free</td>
<td>✔️ ✔️ ✔️ ✔️</td>
<td>✔️ ✔️ ✔️</td>
<td>✔️ ✔️ ✔️</td>
<td>$100K</td>
<td></td>
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<tr>
<td>Cumberland Woodcraft</td>
<td>Manufactures a complete line of stock and custom hardwood Victorian millwork, moldings, architectural carvings, and solid wood appliques. Also: Cabinetry, paneling, coffered ceilings, custom flooring, mantels, stairwork, custom furniture, bars/back bars. Free Write in No. 131</td>
<td>✔️ ✔️ ✔️ ✔️</td>
<td>✔️ ✔️ ✔️</td>
<td>✔️ ✔️ ✔️</td>
<td>$2M</td>
<td></td>
<td></td>
</tr>
<tr>
<td>D.H.M. Cabinetmakers, Inc.</td>
<td>Specializes in wood furniture and architectural millwork. Produces cabinetry, casework, paneling, coffered flooring, mantels, custom wood carving, and stairwork. Free brochure Catalog $4</td>
<td>✔️ ✔️ ✔️ ✔️</td>
<td>✔️ ✔️ ✔️</td>
<td>✔️ ✔️ ✔️</td>
<td>$250K</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dooley Custom Millwork</td>
<td>Can duplicate any historic woodwork, including turnings and carvings. Projects include: casings, mantels, stairwork, moldings, radius work, doors, and windows. Can work from photographs, blueprints, or sketches. Free</td>
<td>✔️ ✔️ ✔️ ✔️</td>
<td>✔️ ✔️ ✔️</td>
<td>✔️ ✔️ ✔️</td>
<td>$250K</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dubuque Sash &amp; Door</td>
<td>Custom woodwork manufacturer producing, among other items: cabinetry, casework, paneling and wainscoting, coffered ceilings, wood mantels, and doors and windows. Free</td>
<td>✔️ ✔️ ✔️ ✔️</td>
<td>✔️ ✔️ ✔️</td>
<td>✔️ ✔️ ✔️</td>
<td>$250K</td>
<td></td>
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</tr>
</tbody>
</table>

continued on page 20
We engineer, execute, and install high-end residential and commercial interiors at the highest level of craftsmanship. Research and design services available.

- Complete Wall Assemblies
- Mantels
- Raised Panels
- Custom Mouldings
- Bookcases

Kenneth Brown
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Dept. TB
Simsbury, CT 06070
(203) 651-9095

Our catalog shows a complete range of architectural turnings. All products incorporate design authenticity, skilled craftsmanship and quality materials.

VICTORIAN TURNINGS & MILLWORK
Designs are based on manufacturers’ catalogs from 1870 to 1920.

CLASSIC COLUMNS
Accurately reflect the Greek & Roman orders with true entasis & details.

CALIFORNIA REDWOOD
All products are available from decay & termite resistant heart Redwood. Interior turnings are available from Oak & Mahogany.

For your catalog, send $6 (no charge to designers, builders & dealers when requested on Company letterhead).

Contact David Dannenberg or Michael McClintock to discuss your needs.

McDan Woodworking
374 E. Broad St., Dept. TB
Gibbstown, N.J. 08027
(609) 423-5337

Every aspect of interior woodwork... from intricate, museum-quality carvings to custom manufacture of mouldings, doors, paneling, and furniture.

By combining the production expertise of Associated Wood Products with the custom-carving skills of Craig Barnes of Huggler-Wyss America, we offer the broadest capabilities for custom wood interiors... everything from restoration and refinishing of historic wood rooms to providing total finish packages for restaurants, hotels, and executive suites.

With experienced craftsmen and extensive production know-how, we deliver complex projects on time, on spec, on budget. Send for our catalog — or call to discuss your project.
<table>
<thead>
<tr>
<th>COMPANY</th>
<th>SPECIALTY</th>
<th>Literature</th>
<th>Design</th>
<th>Build</th>
<th>Pre-Finish</th>
<th>Install</th>
<th>Largest Size Job</th>
</tr>
</thead>
<tbody>
<tr>
<td>Empire Woodworks</td>
<td>Architectural millwork packages for interior and exterior projects, with specialty in Victorian style and country trim. Both standard patterns and custom design and manufacturing. Corbells, moldings, running trim, corncices, etc.</td>
<td>Free</td>
<td>Write in No. 663</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>$200K</td>
</tr>
<tr>
<td>Douglas Gest Restorations</td>
<td>Restoration of period interiors, reconstruction of early New England homes, and complete architectural woodworking and cabinetry facilities. Work includes cabinetry, paneling, coffered ceilings, custom flooring, mantels, carvings, custom furniture, and stairwork.</td>
<td>Free</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>$500K</td>
</tr>
<tr>
<td>Glenco Construction Co.</td>
<td>Preservation building contractor experienced in restoration and integrating new and old work. Work includes cabinetry, casework, paneling, custom flooring, mantels, columns/capitals, and stairwork.</td>
<td>Free</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>$500K</td>
</tr>
<tr>
<td>Goodwin Heart Pine Co.</td>
<td>Custom flooring and other interior architectural millwork packages manufactured from virgin logs of antique southern longleaf yellow pine. Millwork includes cabinetry, stairwork, paneling, doors and casings, etc.</td>
<td>Free</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>$350K</td>
</tr>
<tr>
<td>Hallidays America</td>
<td>Handmade and handcarved paneled rooms in both traditional and contemporary styles, with emphasis on Regency and Georgian periods: Paneling, mantels, fireplaces, built-in corner cupboards, bookcases, porcelain cabinets, niches, doors, etc.</td>
<td>Free</td>
<td>Write in No. 531</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>$500K</td>
</tr>
<tr>
<td>Hudson Valley Woodworks</td>
<td>Specializes in historic preservation: Cabinetry, paneling, wainscoting, custom flooring, mantels and overmantels, custom wood furniture, and custom installation.</td>
<td>None</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>$50K</td>
</tr>
<tr>
<td>Jelliff &amp; Son</td>
<td>Custom millwork shop can duplicate any historic woodwork. Projects include casings, mantels, stairwork, moldings, radius work, shutters, doors, and windows. Can work from photographs, blueprints, or sketches.</td>
<td>Free</td>
<td>Write in No. 687</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>$200K</td>
</tr>
<tr>
<td>C.W. Keller &amp; Associates</td>
<td>Manufacturers of custom architectural millwork, built-ins, and furniture for both commercial and residential installations, in all hardwoods and softwoods.</td>
<td>Free</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>$500K</td>
</tr>
<tr>
<td>Keystone Millwork</td>
<td>Architectural millwork for commercial, industrial, institutional, and residential installations: Cabinetry, casework, paneling, coffered ceilings, custom flooring, mantels, columns and pilasters, stairwork.</td>
<td>Free</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>$750K</td>
</tr>
<tr>
<td>Kreider Bros., Inc.</td>
<td>Full range of millwork and custom casework, including; Cabinetry, paneling, custom flooring, mantels, columns/capitals/pilasters, stairwork, and custom wood furniture. Works in any wood specified; mahogany a specialty.</td>
<td>Free</td>
<td>Write in No. 536</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Maple Grove Restorations</td>
<td>Interior raised-panel shutters, wainscoting, raised-panel walls, and casework available in a variety of hardwoods. Complete finishing service available.</td>
<td>Free</td>
<td>Write in No. 563</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Mayse Woodworking</td>
<td>Custom wood flooring manufactured from recycled old-growth southern longleaf yellow pine. Normal thickness is 7/8 in.; widths range from 2-1/2 to 14 in.</td>
<td>Free</td>
<td>Write in No. 690</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>McDan Woodworking</td>
<td>Custom exterior and interior woodwork: Cabinetry, paneling, mantels, wood carving, wainscoting, custom wood furniture, period moldings, radius work. Works from samples or shop drawings.</td>
<td>Free</td>
<td>Write in No. 777</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Millwork Shop at Cornwall Bridge</td>
<td>Custom interior woodwork in any wood specified: Cabinetmaking, mantels, panel systems, custom moldings, ceilings, and custom wood furniture. Residential, commercial, and institutional projects.</td>
<td>Free</td>
<td>Write in No. 850</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Mountain Lumber Co.</td>
<td>Produces custom flooring, casework, paneling, wainscoting, mantels, and star parts in reclaimed southern longleaf heart pine. Also antique oak and antique chestnut.</td>
<td>Free</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>$2M</td>
</tr>
<tr>
<td>Nelson &amp; Nelson Woodworking</td>
<td>Custom architectural woodwork shop supplying both exterior and interior millwork, including; Cabinetry, casework, paneling, coffered ceilings, custom flooring, mantels, columns/capitals/pilasters, wood carving, stairwork, and custom furniture.</td>
<td>Free</td>
<td>Write in No. 877</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Phoenix Millwork, Ltd.</td>
<td>Commercial interiors, executive office space, high-end retail store fixtures, restaurants, lobbies, etc. High-end residential cabinetry, mantel sections, in most hardwoods and veneers.</td>
<td>Free</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Powell Cabinet &amp; Fixture Co.</td>
<td>Can furnish complete interior finish packages for bars, restaurants, hotels, casinos, and commercial buildings. Woodwork capabilities include: Cabinetry, casework, paneling, coffered ceilings, custom flooring, mantels, columns/capitals/pilasters, stairwork, and custom wood furniture. Ships worldwide.</td>
<td>Free</td>
<td>Write in No. 852</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
</tbody>
</table>
Premium Architectural Millwork & Fixtures
Serving the West since 1952

Specialist in:

- Hotels
- Casinos
- Bars
- Restaurants
- Banks
- Office Interiors
- Stores
- Premium Residential

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Fixture Co.
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(702) 359-4700 FAX (702) 359-4704

WRITE IN NO. 852

THE LIBRARY PANEL

is manufactured with premium grade hardwood veneers on a beam platform with 5/16" MDF stiles and rails. Each of the reveals is moulded with solid hardwood inside coving moulding pinned in place. Stiles and rails are bonded to the platform with adhesives only. Outside stiles are three inches wide, central stiles are six inches wide. Stiles are laid out on sixteen inch centers. All four rails are eight inches wide.

The panel is available in two sizes and four species. In addition to the four by eight foot panel shown, a four foot wide nineteen standard or eight inch high panel is available in Red Oak, Cherry, Honduras Mahogany, and Walnut. All veneers are sliced to domestic thicknesses.

WRITE IN NO. 296

Unsurpassed Craftsmanship In Wood.

American Custom Millwork is your prime source for embossed mouldings and custom designs. We serve the specialized demands of architects, designers, builders and home owners nationwide. Beautifully detailed cornices, chair rails, and like Appalachian poplar, walnut, oak, cherry, mahogany, and other fine woods — and there's nobody better than ACM's skilled artisans at designing and creating special treatments like mantels, entryways and door treatments, elegant cabinetry, and panelwork.

ACM's unique drawing-board-to-on-site-supervision expertise assures the finest craftsmanship every step of the way. Call for more information, or send $5 (applicable to your order) for the latest American Custom Millwork catalog!

WRITE IN NO. 678

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- Fixwork & Paneling
- Stairwork
- Mantels
- Carving
- Doors & Windows

TIM CHILA, P.O. Box 431, Manchester, VT 05255
(802) 362-1823 FAX (802) 362-7021

WRITE IN NO. 660

WRITE IN NO. 655

WRITE IN NO. 865

WRITE IN NO. 687

WRITE IN NO. 641

WRITE IN NO. 576

WRITE IN NO. 541
TRADITIONAL BUILDING's Source List of CASEWORK & CONTRACT WOOD INTERIORS

<table>
<thead>
<tr>
<th>COMPANY</th>
<th>SPECIALTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Restoration Unlimited, Inc.</td>
<td>Design, construction, and installation services — specializing in reproduction millwork, including: Cabinetry, paneling, custom floor, mantels, stairwork, and custom wood furniture.</td>
</tr>
<tr>
<td>Ricketson Woodwork</td>
<td>Custom woodwork manufacturer equipped to furnish complete interior packages for institutions, restaurants, hotels, and commercial buildings. Capabilities include: Casework, paneling, custom flooring, columns/capitals/pilasters, doors and windows, stairwork, and custom furniture.</td>
</tr>
<tr>
<td>Sunshine Architectural Woodworks</td>
<td>Manufactures and installs total package premium- and monumental-grade architectural woodwork projects for executive offices, commercial, hospitality, and institutional projects including: Casework, paneling, trims, doors, columns/capitals/pilasters, wood carving, and custom furniture.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>COMPANY</th>
<th>SPECIALTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spoon River Millwork</td>
<td>Custom moldings and architectural millwork; furnishes such items as jambs and headstock, and wainscoting. Produces custom doors and windows with Victorian etched-glass patterns produced by their own sandblast process.</td>
</tr>
<tr>
<td>States Industries, Inc.</td>
<td>Manufactures interior hardwood paneling systems in 8 different styles. The &quot;Library Panel&quot;, containing 9 panels per each 4-x-8-ft. sheet, is particularly suited to creating economical paneled walls or wainscoting.</td>
</tr>
<tr>
<td>Terminal Millwork, Inc.</td>
<td>Manufactures architectural woodwork for institutions, commercial, and residential buildings, including cabinetry, wood doors, custom furniture, wall paneling, store and bank fixtures, display and exhibit units.</td>
</tr>
</tbody>
</table>

Your Award-Winning Source for Elegant Woodwork

“Amberlait & Emmeralld”

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

Period Bases, Backbars, Selves, Ceilings, Seating, Ga zebos & accessories.

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Pre-1900 Longleaf Heart Pine. Reclaimed and re-milled to exacting standards. Lumber unmatched in strength and beauty.

Superior millwork, kiln-drying, and strict grading yield a remarkable record of customer satisfaction for flooring, stairs, paneling, moldings, mantels, cabinetry and doors. Over 40,000 board feet ready for immediate shipment as discounted freight rates. Available through architects and builders, or by calling (404) 351-8400.

COASTAL MILLWORKS
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Atlanta, Georgia 30338
INTERIOR WOODWORK PORTFOLIO
For more information, see the SourceList on pp. 18, 20, 22, & 24.

Hand-carved English Georgian paneling and mantel was produced by the craftsmen of HALLIDAYS AMERICA. Write in No. 531

Gracefully curved custom reception desk and associated cabinetry were supplied by TERMINAL MILLWORK. Write in No. 855

Custom bar, brass rail, and suspended overhead storage unit were fabricated in the shops of POWELL CABINET & FIXTURE CO. Write in No. 852

Reception desk, combining custom millwork and inset metalwork in the Arts & Crafts manner, manufactured by C. W. KELLER & ASSOCIATES.

Handsome mahogany staircase was detailed in a traditional manner by WOODLORE BUILDERS STUDIO.

RICKETSON WOODWORK restored 19th-century woodwork in the Connecticut State Capitol — and supplied new woodwork that blended seamlessly with the old work. Write in No. 719

KREIDER BROS. supplied the custom casework for this library in a new high-end residence. Write in No. 536

This richly detailed hand-carved bar back was produced through a collaboration of craftsmen at ASSOCIATED WOOD PRODUCTS and the skilled carvers of HUGGLER-WYSS. Write in No. 862

Oak mantel and wainscoting with acorns and boughs carving is one of many standard designs (which can be customized) available from KENNETH BROWN CUSTOM WOODWORKS. Write in No. 864

Restorers of Connecticut’s State Capitol Needed The Finest Architectural Woodworkers. So They Came to Ricketson.

When time came to reclaim the original high-Victorian splendor of the House Chamber in the Connecticut State Capitol, Ricketson Woodwork was selected as the woodworking firm for the project.

Ricketson was responsible for all the old-world craftsmanship required in the restoration. Complete harmony between existing and replacement woodwork — and the new custom furniture — had to be achieved. The exquisite results have been featured in many magazines, newspapers, and other publications.

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100 Bidwell Rd., So. Windsor, CT 06074 (203) 289-1222 FAX (203) 528-7863
Finding The Shop That’s Best For You

Ned Kreider of Kreider Brothers, Inc., points out that one good way to determine the reputation of a local architectural woodworker is to consult the regional chapter of AWI. (You can find the chapter nearest you by calling AWI’s headquarters in Centreville, Va., at (703) 222-1100.) These groups generally have a good handle on which local shops (if any) are shorting their jobs.


Who’s On The SourceList

Hundreds of woodworking shops in the U.S. provide interior woodwork. To assemble this report, we sent a detailed questionnaire to 250 shops that do high-quality interior woodwork. From the replies, we selected 46 that represent a good cross-section of geography and size of job they can handle. The companies listed range from shops that produce highly detailed drawings to large or small projects include woodworking and finishing, consultations, furniture restoration, custom hardware, and carving.

Clear shop drawings are key to smooth coordination of all the trades on a job. A client who expects good work should make sure that the woodworker can turn out fully detailed drawings. A lot of the leading shops have CAD systems to produce highly detailed drawings at reasonable cost.”

Special Thanks To . . .

... the following industry representatives who lent their expertise to this report: Jim Ricketson of Ricketson Woodwork, South Windsor, Ct.; Roger and Bill Powell of Powell Cabinet & Fixtures Co., Sparks, Nev.; David Purnell, American Custom Millwork, Albany, Ga.; and John ‘Ned’ Kreider of Kreider Brothers, Inc., Lancaster, Pa.

Division 7: MOISTURE PROTECTION

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UNIFORMITY

BritSlates are made from 100% slate particles... re-formed under tremendous pressure into natural looking slate tiles.

COLORS

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SIZES

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Easier. Delightful to saw, cut, drill. Minimal breakage or waste in contrast to natural slate. Will not require highly skilled slaters. Saves time “on-the-roof.”

Fireproof

Class “A” rated. Will not support combustion nor permit flame spread.

Weight

On-the-roof, approximately 500 lbs./square.

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Never! Simply will not de-laminate.

Guaranty

Sixty (60) years barring extreme forces of nature.
**For The Finest Traditional Roofs:**
Hendricks Handmade Concrete Roof Tiles

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First made in 1926, Hendricks Tile beautifies and protects fine homes up and down the East Coast — including Colonial Williamsburg. Call or write for full-color brochure.

**Our low maintenance and high durability Western Red Cedar shingles will make your home beautiful and energy efficient.**

- Seven historical patterns; fire treated available.
- Fire treated available.
- Since 1946. Call or write for information.

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WRITE IN NO. 437

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(215) 469-6275

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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.

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**VIXEN HILL CEDAR SHUTTERS**
Elverson, PA 19520
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WRITE IN NO. 123

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

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WRITE IN NO. 389

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TRADITIONAL BUILDING

November/December 1991 25

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You will see the energy savings
Not the Storm Windows
Match Any Color
Match Any Shape
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WRITE IN NO. 69

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Shutters
Blinds and Hardware
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Authentic mounting and holdback hardware.

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* Blinds & Shutters *
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C. Ossipee N.H. 03814
(603) 539-2636 Phone & Fax

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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.

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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
- Ums
- Capitals
- Festoons
- Finials
- Scrolls
- Leaves
- Friezes
- Canopies
- Marquees
- Glass pendant frames
- Cresting
- Gargoyles
- Panel Ornaments
- Lion Heads
- Conductor heads & fittings
- Weathervanes

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Architectural Antiques
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Oklahoma City, OK 73104-3419
(405) 322-0959

WRITE IN NO. 613
When You're Looking For That One-Of-A-Kind Item . . .

BY EVE M. KAHN

Supply and demand in the world of architectural salvage have changed dramatically in the past decade. Supplies are shrinking partly because a recession and the still-increasing force of the preservation movement are discouraging demolition. A weak dollar prevents much importing (remember when, a few years ago, salvage stores were overflowing with paneling and other luxurious woodwork from England?) and further reduces stockpiles, while environmentalists are loudly warning against destroying serviceable architecture. Meanwhile, demand is booming: More professionals are delving into restoration and trading in environmentalists are loudly warning and further reduces stockpiles, while environmentalists are loudly warning against destroying serviceable architecture.

The salvage yards are responding in several ways. For one, many of them are jacking up prices for older items (while still not sur-passing the costs of reproducing some pieces). Few of them maintain acres upon acres of goods anymore. And most of them no longer restrict themselves to pieces a century old or more; instead, they are happily exploring what they once regarded with horror, such as 1950s light fixtures and restaurant banquettes. At least one supplier, Mason Brothers Salvage, calls itself "environmentally responsible," since it even deals in circa-1960 picture windows, circa-1970 plastic stained glass from McDonald's restaurants, circa-1980 plywood — almost anything that might otherwise end up in landfills. Also, many once-generalized dealers are specializing focusing on plumbing, lighting, hardware, signages, or chunks of storefronts and skylight facades.

Choosing a salvage yard:

- Bigger does not necessarily mean better stocked; an expansive yard of generic goods may be less likely to yield the unusual treasure you seek than a more selective collection.
- Check reputations before buying, unless you know the supplier. Even a dealer who seems reputable may be dealing in poor stock.
- Check returns policies before buying — you might go to a dealer with a large stockpile of windows, only to find that the price and location each item is worth. To avoid plated items that need replating, beware of objects that need replating, or are missing parts, or are missing parts, or are missing parts, or are missing parts, or are missing parts.

If possible, work with dealers who specialize in whatever you seek. Eagle Eye Trading and Restoration Treasures, for example, are search services with access to lists of all kinds of architectural parts, nationwide.

Very few of the companies send out brochures. You will probably find it more convenient to call, write, or fax (please mention TRADITIONAL BUILDING), with a description, sketch, or photograph of what you need.
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Warehouse: 66 Von Hillern Rd., Boston MA 02125

NOVEMBER/DECEMBER 1991 B31
WRITE IN NO. 706
ARCHITECTURAL ANTIQUES PORTFOLIO

For more information on these companies, consult the SourceList on pp. 33 and 34.

THE BRASS KNOB sells brass knobs, from Art Nouveau to Neoclassical, as well as general salvage, from sinks to mantels.

U.S. LIQUIDATION sells many-branched chandeliers like the one shown (hands not included), as well as the dramatic arch-top window in the background. Write in No. 885

ARCHITECTURAL ANTIQUES of Oklahoma City sells many styles of doors with stained-glass inserts, including one with a spider-web pattern.

From elegant pier mirrors to functional fences, the stock at SALVAGE ONE also includes embossed Victorian hardware. Write in No. 499

This deep tub is available at OHMEGA SALVAGE, along with dozens of other tubs, sinks, and salvage from doorknobs to marble ornament.

The "socially responsible salvage" at MASON BROTHERS includes ordinary plywood as well as the intricate stained-glass windows shown.

In addition to this c.1920 unit with woody landscape on its bowl, GIBSON & GIBSON ANTIQUE LIGHTING has 1800 other restored vintage lighting fixtures on hand. Write in No. 869

This extensive stockpile of vintage hardware at BALL & BALL contains this c.1700 cast and chased brass lock with velvet background; even its screw heads are ornamented. Write in No. 293

In a 200-year-old barn, ARTEFACT sells elaborately carved Victorian mantels, murals, stained glass, tile, and Art Deco light fixtures. Write in No. 845

A RARE Westhinghouse "Gyrating" fan is among the restored wind blowing devices for sale at THE FAN MAN of Oklahoma.

An English Victorian stained-glass panel from GOLDEN AGE GLASSWORKS, a stained-glass workshop which can adapt or repair salvaged pieces as needed. Write in No. 28

THE HERITAGE CO.'s stock ranges from stone lions to fluted wooden columns to stained-glass windows that have lost their glass. Write in No. 872

Cast architectural ornament is just a tiny part of the inventory carried in the 22,800 sq. ft. of display space at ARCHITECTURAL ANTIQUES in Minneapolis. Write in No. 858

In a 200-year-old barn, ARTEFACT sells elaborately carved Victorian mantels, murals, stained glass, tile, and Art Deco light fixtures. Write in No. 845

CITY LIGHTS offers a wide variety of restored, antique lighting, including this c.1870 gas bronze-and-brass fixture with shell-boat arms.

The extensive stockpile of vintage hardware at BALL & BALL contains this c.1700 cast and chased brass lock with velvet background; even its screw heads are ornamented. Write in No. 293

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The extensive stockpile of vintage hardware at BALL & BALL contains this c.1700 cast and chased brass lock with velvet background; even its screw heads are ornamented. Write in No. 293
TRADITIONAL BUILDING's Source List of Architectural Antiques

BY EVE M. KAHN

COMPANY

Architectural Antiques
801 Minneapolis Ave., N., Dept. TB
Minneapolis, MN 55401
612-332-8344 FAX: Same

Architectural Antiques
121 E. Sheridan, Dept. TB
Oklahoma City, OK 73104
405-232-0759

Architectural Antiques
Dept. TB
Harborcide, ME 04462
207-236-4938

Architectural Elements
Rt. 2, P.O. Box 279, Dept. TB
Amery, WI 54001
715-268-2694

Artefact Architectural Antiques
The Village Barn, Rt. 263 and Edison
Furlong Rd., P.O. Box 495, Dept. TB
Furlong, PA 18925
215-794-8790

Ball & Ball
463 W. Lincoln Hwy., Dept. TB
Eston, PA 19341
215-363-7330 FAX 215-363-7639

Berkeley Architectural Salvage
2741 10th St., Dept. TB
Berkeley, CA 94710
415-849-2025

Besco Plumbing
2741 10th St., Dept. TB
Lititz, PA 17543
516-621-2454

Boston Architectural Salvage
516-621-2454

The Fan Man
405-751-0933

Gibson and Gibson Antique Lighting
180 Mace St., #C-9, Dept. TB
Chula Vista, CA 91911
619-422-2447

Golden Age Glassworks
339 Bellville Rd., Dept. TB
Warwick, NY 10990
914-896-1487 FAX: 914-986-0147

---

Literature
Free Write in No. 858
Free Photos on request Write in No. 857
Free Write in No. 859
Free Write in No. 845
Free Write in No. 893
Free Write in No. 768
Free Write in No. 887
Write in No. 596
Free Write in No. 395
Free Write in No. 865
Send $5 for catalog
Send $5 for catalog
Free
Free
Free
Send $2 for brochure
Write in No. 669
Free Write in No. 28

Sg.Ft. Display Space
22,000
18,000
10,000
5,000
2,000
14,000
2,000
2,500
1000
4,500
2,500
600
900
7,000
NA
NA
4,000
1,200
700

---

Specialties include lighting, mantels, doors, hardware, and stained glass, especially in Prairie and Missions styles; also plumbing, including pedestal and corner sinks and clawfoot tubs.
Salvage of all eras: Mainly mantels, hardware, lighting, columns, plumbing, doors, and stained-glass windows. Recent inventory includes corbels with embossed nymphs or carved gargoyles, 8-globe Victorian chandeliers, and doors with spider-web patterns in leaded glass.
Large inventory of refurbished interior/exterior doors, stained glass, and unusual windows.
Large line of antique hardware, lighting, fireplace equipment from 18th to 20th centuries. Door locks, slide bolts, window catches, knobs, knockers, hinges, door stops, mail slots, turn bolts, bell pults; lighting ranges from elaborate c.-1840 chandeliers with cut-ruby glass to simple colonial sconces.

TRADITIONAL BUILDING
DIVISION 9 - FINISHES

NOVEMBER/DECEMBER 1991 B33
TADITIONAL BUILDING's SourceList of Architectural Antiques

BY EVE M. KAHN

<table>
<thead>
<tr>
<th>COMPANY</th>
<th>Literature</th>
<th>Specialty</th>
<th>Sq.Ft. Display Space</th>
</tr>
</thead>
<tbody>
<tr>
<td>Greg Davidson's Vintage Lighting</td>
<td>None</td>
<td>Lighting specialist with focus on period 1850 to 1930, mainly Victorian. Middletop to the top of the line; some commercial, some unrestored. Search service available.</td>
<td>1,000</td>
</tr>
<tr>
<td>Heritage Co.</td>
<td>Write in No. 672</td>
<td>Specializes in lighting, including gas and electric Victorian models; has large selection of shades. Also doors, especially 4 and 5 panel; stained glass, hardware, columns, porch rails, newel posts, floor grates, staircases, bars, and fireplace mantels.</td>
<td>8,000</td>
</tr>
<tr>
<td>Hexagram Antiques</td>
<td>None</td>
<td>Has 30 to 40 antique lighting fixtures on hand. Victorian to 1950's with emphasis on c. 1900. A few gas fixtures and gas and electric. All restored; some shades, but no parts. Will restore and do custom reproductions.</td>
<td>1,000</td>
</tr>
<tr>
<td>Leonard Antique Hardware</td>
<td>Send $2 for photographers and price list</td>
<td>Antique hardware selection contains latches, hinges, slide bolts, hooks; also fireplace equipment, including cranes, trammels, pots, kettle lifers, andirons, and warmers.</td>
<td>NA</td>
</tr>
<tr>
<td>Mac the Antique Plumber</td>
<td>Photos for specific requests Write in No. 813</td>
<td>Plumbing experts offer large selection of reproduction parts and fixtures as well as restored antiques such as faucets, pedestal sinks, and tubes, including embossed, sidellip, clawfoot styles. Will repair and ship nationwide.</td>
<td>4,500</td>
</tr>
<tr>
<td>Mason Brothers Salvage</td>
<td>Free</td>
<td>&quot;Socially responsible salvage&quot;: Everything from copper-topped barn cupolas, solid ash Victorian fireplace mantels, and 10-ft.-tall Palladian windows to plastic-stained-glass windows rescued from a McDonald's that remodeled. Numerous windows, doors, sinks of all eras, beams, and hardware.</td>
<td>7,500</td>
</tr>
<tr>
<td>Metropolitan Artifacts</td>
<td>Send $25 (refundable for video)</td>
<td>Specializes in 18th- and 19th-c. salvage, including beams, wood and marble mantels, interior and exterior doors, flooring, paneling, brick veneers, and floor and wall tiles. Also specializes in flooring and fireplace mantels.</td>
<td>25,000</td>
</tr>
<tr>
<td>North Fields Restorations P.O. Box 741, Dept. TB</td>
<td>Write in No. 326</td>
<td>Specializes in 18th- and 19th-c. salvage, including beams, wood and marble mantels, interior and exterior doors, flooring, paneling, brick veneers, and floor and wall tiles. Also specializes in flooring and fireplace mantels.</td>
<td>8,000</td>
</tr>
<tr>
<td>Omhoga Salvage</td>
<td>Free</td>
<td>Large selection of mostly residential salvage includes 100 sinks; tubs, including sitz baths, sidehill and pedestal tubs; doors, windows, mantels, ironwork, stained glass, marble, glass blocks, lighting, and hardwood.</td>
<td>15,000</td>
</tr>
<tr>
<td>Rare &amp; Beautiful Things P.O. Box 6180, Dept. TB</td>
<td>Free</td>
<td>American antique lighting, primarily 1880 to 1930, including chandeliers, sconces, and table and floor lamps. Available restored or as is. Or proprietor also consults on antique lighting. What can be saved or repaired, what should be replaced.</td>
<td>NA</td>
</tr>
<tr>
<td>Renovation Source 3512 N. Southport Ave., Dept. TB</td>
<td>Free Write in No. 882</td>
<td>Extensive stock of mantels, doors, hardware, bath fixtures, exterior corbels, columns, casings, baseboards, fretwork, stained and beveled glass, shutters, tiles, and c-1900 lighting. Some reproductions.</td>
<td>6,500</td>
</tr>
<tr>
<td>Ricca's Architectural Sales 511 N. Studios St., Dept. TB</td>
<td>None</td>
<td>Specializes in stained and beveled glass, light fixtures from the 18th century to present; hardware, shutters, interior and exterior doors, and old vending machines. Some reproductions.</td>
<td>10,000</td>
</tr>
<tr>
<td>Salvage One 1524 S. Sangamon St., Dept. TB</td>
<td>Free Write in No. 499</td>
<td>Stock includes 11,000 interior and exterior doors and 1200 half or full mantels, dating from the 18th through 20th centuries, in wood, marble, iron, and slate. Also stained and beveled glass, moldings, terra cotta, paneling, stairs, iron, cast iron, columns, pier mirrors, hardwood, and fernices.</td>
<td>85,000</td>
</tr>
<tr>
<td>Swan Creek Architectural Centre 333 N. Main St., Dept. TB</td>
<td>Free Write in No. 883</td>
<td>Former industrial space now full of garden ornament, paneling, bathroom fixtures, mantels, ironwork, stone, work, columns, doors, hardware, windows, pre-1900 lighting, and hardwood.</td>
<td>12,500</td>
</tr>
<tr>
<td>TileSearch 216 James St., P.O. Box 580, Dept. TB</td>
<td>Free Write in No. 696</td>
<td>19th- and 20th-c. roof tile and slate in any color, any profile, any manufacturer desired. Can match existing pieces with new or old pieces and can get new roofing that looks old.</td>
<td>1 acre</td>
</tr>
<tr>
<td>Urban Archaeology 265 Lafayette St., Dept. TB</td>
<td>Photos upon request</td>
<td>Commercial and residential salvage: Terra-cotta and cast-iron parts, hardware (some unused), tiles, bars, stairs, paneling, store showcases, garden statuary, mantels, and some stained glass. Lighting selection focuses on 1880 to 1950; also clawfoot tubs, plumbing fittings, medicine cabinets, and bath accessories.</td>
<td>54,000</td>
</tr>
<tr>
<td>U.S. Liquidation 3801 N. Milwaukee Ave., Dept. TB</td>
<td>Free Write in No. 885</td>
<td>Dismantles buildings and sells everything from plywood and I beams to doors, sinks, light fixtures, radiators, hardwood flooring, glass blocks, iron ornament, and unusual windows and doors.</td>
<td>6,500</td>
</tr>
<tr>
<td>Val's Antique Baths &amp; Antiques P.O. Box 74, Dept. TB</td>
<td>None</td>
<td>Plumbing stock includes pull-chain and embossed toilets, clawfoot tubs, pedestal sinks, ribcage showers, sash baths, foot baths, and sidellip and embossed tubs. Also mantels.</td>
<td>5,000</td>
</tr>
<tr>
<td>Vintage Plumbing 9645 Sylvia Ave., Dept. TB</td>
<td>Photos for specific requests Write in No. 890</td>
<td>1890-1925 American bathroom fixtures on display, or found as restored, especially Victorian and Deco. Unusual parts and fixtures; ornamental marble sinks, plain and embossed pull-chain toilets, ribcage and other showers, sidellip and other tubs, valves, washers, other parts. Will repair and replicate parts and fixtures, and has library of plumbingiana for research and consultation. Ships nationwide.</td>
<td>NA</td>
</tr>
<tr>
<td>Wooden Nickel Arch. Antiques 1805-1414 Central Parkway, Dept. TB</td>
<td>Photos upon request</td>
<td>Salvager that does some demolishing. Stock includes beveled and stained glass, store fixtures, back and front bars, limestone columns, iron fencing, gates, iron griffins, terra-cotta caps, hood or bull's horns, newel posts, copper, mantels in wood, marble, and metal; also large Victorian furniture, such as bookcases, mirrors, and sideboards. Hardware: Locks, hinges, window weights.</td>
<td>One block square</td>
</tr>
</tbody>
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WRITE IN NO. 37

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WRITE IN NO. 588

WRITE IN NO. 28

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WRITE IN NO. 499

WRITE IN NO. 817

WRITE IN NO. 891

WRITE IN NO. 518

WRITE IN NO. 26

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BY EVE M. KAHN

CHIMNEYS . . . . . . 36, 38
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by Eve M. Kahn

---

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• Large supply of vintage cinder bricks (once considered too irregular for construction), which are now valued for their variations in shape, texture, and color. Above: 2-tier mantel made of cinder brick with a raised hearth. The Brickyard, P.O. Box A, Dept. TB, Horshamville, MO 64701 (816) 887-3366. Write in No. 316.

• General Shale's bricks form a sweeping chimney stack. One of the country's largest brick manufacturers, the company offers dozens of colors and shapes. Their fireplace bricks can be 8 or 9 in. W; their lightweight masonry chimney liners range from tumble units to 1/2 X 1/2 in. General Shale, P.O. Box 38093, Dept. TB, Johnson City, TN 37602 (615) 282-4661.

• Realistic gas logs provide warmth and come in kit form. Company also manufactures a wide variety of fireplaces with round or square backs, some zero-clearance — and all requiring the company's own flue system. Fireplace Manufacturers Inc., 2701 S. Harbor Blvd., Dept. TB, Santa Ana, CA 92704 (714) 549-7782.

• Selection of brass accessories includes firebacks depicting landscapes, a Boston home: 24-3/4 in. W x 29-1/2 in. H. Rest of company's line in ornate design across the front. Hearth Realities, P.O. Box 38093, Dept. TB, Atlanta, GA 30334 (404) 377-6852.


• Firebacks can be leaned against firebox wall, bolted to box, or freestanding with Country Iron's support set. Wide range of historic patterns includes mid-18th-century side saddle rider (based on c. 1780 French original); other patterns date as far back as the 1500's. Country Iron Foundry, P.O. Box 600, Dept. TB, Pool, PA 19301 (216) 296-7122. Write in No. 176.

• Fireplace restoration in progress at a 100-year-old home. Chimney and fireplace fittings include top-mounting chimney fan that increases draft while using less energy than a light bulb; chimney liners, dampers, and Super Vent retrofits for masonry or metal fireplaces. Sleepy Hollow Chimney Supply, 86 Emlong Blvd., Dept. TB, Brentwood, NY 11717 (516) 231-2333. Write in No. 569.

• Solid brass fireplace inserts with embossed ornament from a company that also supplies a wide range of pre-cast plaster ornament. Aristocast, 600 Highland Parkway SE, Suite I, Highland Park, Dept. TB, Smyrna, GA 30082 (404) 333-9934.

• Two types of chimney lining: Supaflu, a cast-in-place cementitious system, suits residential, commercial, or industrial buildings (shown); Supa-liner, a pre-cast refractory lining and insulating infill, suits new construction or retrofit. Also Supa-Block, a modular chimney system with flue lining and exterior casing a single unit. National Supaflu Systems, Industrial Park, P.O. Box 89, Dept. TB, Walton, NY 13856 (607) 865-7636. Write in No. 164.

TRADITIONAL BUILDING

continued on page 40
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**DIVISION 10 - SPECIALTIES**

**TRADITIONAL BUILDING**

**FIREPLACES, continued from p. 38**

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- Verde acciegio marble fireplace with projected keystone and raised hearth, all cut to fit custom woodwork. Company supplies mantels in paint- or stain-grade wood and in over 20 colors of cultured or natural marble, granite, or slate. They can insure fit and meet fire codes, installation and free telephone consultations. ADI Corporation, 12043 Nebel St., Dept. TB, Rockville, MD 20852 (301) 466-6666. Write in No. 856

- Six styles of plaster French and Federal mantels include Louis, with opening 61-1/2 in. W X 43 in. H. Also handcarved stone mantels from Mexico and an extensive line of plaster Seragio ornament imported from France. Nosalgia, 307 Siles Ave., Dept. TB, Savannah, GA 31401 (912) 234-5746 or (800) 874-0015. Write in No. 743

- Model 231 zero-clearance wood fireplace can produce 65,000 BTU's, requires no footings, and can be finished with any material desired, including masonry or wood. Company also makes masonry fireplace boxes and gas fireplaces. Kozy Heat, P.O. Box 803, Dept. TB, Lakefield, MN 56150 (800) 263-4904.

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- Masonry wood-burning heater with tile-and-stucco skin. Dimensions can be iron, brass, or gold; units can be corner, free-standing, or wall; tops can be domed or flat. Delivery nationwide; will consult. Biofire, 2320 Melbourne, Dept. TB, Salt Lake City, UT 84106 (801) 486-0266. Write in No. 524

- Thermo-Rite builds glass fireplace enclosures in choice of 6 finishes. Shown is Model T in polished brass with filigree trim and two coats of baked-on lacquer. Company also offers fireplace inserts, gas logs, fire grates, tools, and accessories. Thermo-Rite Manufacturing, P.O. Box 1108, Dept. TB, Akron, OH 44309 (800) 321-0313. Write in No. 523

- Gas fireplace Golden Flame 4000CDV takes up 9 sq. ft. of floor space; 44 in. deep, 62-1/4 in. W, 44 in. H. Vented directly out of unit's back, so Classic Corner Surround mantel can be used for storage. Heat-N-Glo Fireplace Products, 6645 W. Highway 13, Dept. TB, Savage, MN 55376 (612) 890-8367. Write in No. 871

- Carved mantels, mainly in Georgian styles, including Heyford (shown), with a 40-1/2 in. X 42 in. W opening. Company also sells custom, antique, marble, cast-stone, and surface-mounting mantels; firebacks, inserts, gas logs, fire grates, tools, and fenders. Hallidays America, P.O. Box 731, Dept. TB, Sparta, NJ 07871 (201) 729-8876

- French Renaissance mantel with applied castings up to 1/2 in. deep, in primed pine, poplar, or other woods; 5 other stock mantel styles; also molding, medallions, glass or fiberglass domes, and other ornaments. Washington Group, P.O. Box 53101, Dept. TB, Atlanta, GA 30335 (800) 872-1608. 

- Company designs and builds Rumford fireplaces, the shallow, heat-reflective units developed by Count Rumford in the 1790's. Supplies parts, plans, and consultations. Shown is a Rumford cooking fireplace with working bread oven. Buckley Rumford Fireplace Co., P.O. Box 21131, Dept. TB, Columbus, OH 43221 (614) 486-1728. Write in No. 353

- Mantels in composition, marble, steel, brass, chrome, cast stone, cast iron, slate, and (shown) wood. Also antique units, firebacks, fireplace inserts, gas logs, fire grates, tools, accessories, and hearths. Draper & Draper, Ltd., 200 Lexington Ave., Dept. TB, New York, NY 10016 (212) 677-0547. Write in No. 533

- Six styles of plaster French and Federal mantels include Louis, with opening 61-1/2 in. W X 43 in. H. Also handcarved stone mantels from Mexico and an extensive line of plaster Seragio ornament imported from France. Nosalgia, 307 Siles Ave., Dept. TB, Savannah, GA 31401 (912) 234-5746 or (800) 874-0015. Write in No. 743

- PicturePerfect 400 series fireplace enclosure resembles a simple, Victorian cast-iron surround. Available in beige, charcoal, and brown. Company also produces screen/glass door combinations, most with flat tops and brass trim, and a top-sealing chimney damper in stock and custom sizes. Minuteman International, 75 Sawyer Passway, Dept. TB, Fitchburg, MA 01420 (508) 345-7475. Write in No. 851

- European-made masonry stoves can be clad with stucco or tiles. Cylindrical or boxy models available, measuring about 5-1/2 ft. H and 10 in. W with brass doors. Shown is Manor, Model 203-4, in tile. Royal Crown European Fireplaces, 333 E. State St., Ste. 206, Dept. TB, Rockford, IL 61104 (800) 375-2042. Write in No. 566

- Company designs and builds Rumford fireplaces, the shallow, heat-reflective units developed by Count Rumford in the 1790's. Supplies parts, plans, and consultations. Shown is a Rumford cooking fireplace with working bread oven. Buckley Rumford Fireplace Co., P.O. Box 21131, Dept. TB, Columbus, OH 43221 (614) 486-1728. Write in No. 353

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- Count Rumford developed the shallow, heat-reflective Rumford fireplace, which became popular in the 1790's. The Rumford fireplace was designed to reflect heat back into the room, making it more efficient than traditional fireplaces. Rumford fireplaces were popular in the United States during the Federal period and were often built into the walls of houses. They were particularly popular in New England, where they were known as "New England fireplaces." The Rumford fireplace was designed to be built into the wall of a room, with the firebox opening directly into the room. The heat was reflected back into the room, making the fireplace more efficient than traditional fireplaces. Rumford fireplaces were often used in combination with other heating systems, such as hot air or hot water radiators. They were also used in combination with other types of fireplaces, such as wood-burning fireplaces.

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WRITE IN NO. 396

WRITE IN NO. 667
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For mantels, company supplies carved woodwork, inlays, and corbels as well as complete units in maple or oak, with most items kept in stock. Shown is a mantel shelf with carved grape vines. O'cle World Designs, P.O. Box 21467, Dept. TB, Wichita, KS 67208 (316) 683-1051.

Louis mantel, one of a half-dozen plaster surrounds, is 56-1/2 in. W and 46 in. H overall. Manufacturer also sells cornices, mecallations, moldings, mantels, niches, arches, columns, pilasters, balusters, corbels, and custom designs. Hyde Park, 29-14 40th Ave., Dept. TB, Long Island City, NY 11101 (718) 706-0504.

Stock Victorian mantel comes in mahogany or paint-grade wood and has a 48 in. W and 37 in. H opening. Company also specializes in doors, from plain interior 4-panels to triptives for entrances. Fineman Doors, 5436 Van Nuys Blvd., Dept. TB, Van Nuys, CA 91401 (818) 990-3667.

Rough-cut marble creates a rustic fireplace with raised hearth. Company provides granite and marble, in wide range of hues and textures — including highly polished. Gavet Marble & Granite, Dept. TB, Center Rutland, VT 05736 (800) 323-6398 or (802) 773-8668.

Stock Gothic mantel, available in pine, heart pine, oak, cherry, walnut, and mahogany; shown is Model 337HW, with an opening 50 in. W x 39-1/4 in. H. Can be modified in all directions and can come with carving, but cannot wrap projecting chimneys. Company also supplies millwork. Sunshine Architectural Woodworks, 2169 Sunshine Dr., Dept. TB, Fayetteville, AR 72703 (501) 521-4329.

Line of noncombustible plaster mantels includes the Santa Fe model (shown is corner detail), which measures 76 in. H and 56-1/4 in. W and suits an opening 36 to 49 in. W and maximum 42-3/4 in. H. Georgian, Victorian, and Colonial stock designs also available, as is custom work. Castings, Inc., 151 Dekab Industrial Way, Dept. TB, Decatur, GA 30030-2201 (404) 371-8108.

Concord mantel, available in pine, heart pine, oak, cherry, walnut, and mahogany, has an opening 51-1/2 or 57-1/2 in. W x 37-1/2 or 39-1/2 in. H. 5 other designs and a mantel shelf are offered. Piedmont Mantel & Millwork, 4301 Interstate Dr., Dept. TB, Macon, GA 31210 (912) 477-7536.

Manufacturer of stone garden ornament also offers two cast-stone mantel styles; Louis XV and (shown) Tudor. Corner shields can contain rose and thistle; opening is 44 in. W x 40-1/4 in. H. Additions (USA), Ltd. 291 Heller PI., Interstate Business Park, Dept. TB, Bellmawr, NJ 08030 (609) 931-7011.

For mantels, company supplies cast-stone mantels in plain and ornate styles, including the Louis Aquitaine, which comes with a molded wood grain. Also simple moldings for chimney caps. Stromberg's Architectural Stone, P.O. Box 8083, Dept. TB, Greenville, TX 75401 (903) 454-0950.

40 mantel designs include Paris and matching trumeau mirror; opening can measure from 48 x 38 in. to 72 x 46 in. Pieces are stocked in pine or poplar, custom work available. Matching paneling and doors can also be supplied, along with cabinetry. Gregor's Studios, 111 Dragon St., Dept. TB, Dallas, TX 75207 (214) 744-3385.

Paint-or stain-grade mantels in poplar, oak, cherry, walnut, or mahogany; shown is Model 337HW, with an opening 50 in. W x 39-1/4 in. H. Can be modified in all directions and can come with carving, but cannot wrap projecting chimneys. Company also supplies millwork. Sunshine Architectural Woodworks, 2169 Sunshine Dr., Dept. TB, Fayetteville, AR 72703 (501) 521-4329.

Georgian wood mantel with applied composite ornament, in stain or paint grade, measures 75 in. W from mantel tip to tip, with a 48 in. W and 39 in. H opening. Manufacturer supplies 14 other neoclassical mantels as well as cast-plaster ornament and custom designs. Decorators Supply Corp., 3610-12 S. Morgan St., Dept. TB, Chicago, IL 60609 (312) 847-6300.

Paint- or stain-grade mantels in poplar, oak, cherry, walnut, or mahogany; shown is Model 337HW, with an opening 50 in. W x 39-1/4 in. H. Can be modified in all directions and can come with carving, but cannot wrap projecting chimneys. Company also supplies millwork. Sunshine Architectural Woodworks, 2169 Sunshine Dr., Dept. TB, Fayetteville, AR 72703 (501) 521-4329.

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WRITE IN NO. 606
THE BEST & THE BRIGHTEST

BY JUDITH SIEGEL LIEF

The popularity of period interior restorations has prompted an increase in the selection and availability of historic lighting fixtures. We sent out a questionnaire to 112 companies that manufacture period lighting fixtures. Of those who replied and sent in good quality photos, we selected fabricators of sconces, chandeliers, and lamps whom we thought were the most appropriate for our readers. You will find their captioned photos on this page, and pages 48 and 50.

- W170-C20 Double-Arm Sconce. Solid brass; arms swivel; also single arm or electrified. $525.10 (as shown); 20% less for trade. Other sconces and fixtures; largest selection of 18th- and 19th-c. hardware in the country. Boll and Boll, 463 W. Lincoln Hwy., Dept. TB, Exton, PA 19341 (215) 363-7330. Write in No. 766.


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Interior Lighting. cont. from p. 48
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She resigned from Ehrenkrantz in 1983, not sure what she would do next but looking for more opportunity — and the firm responded by closing its D.C. branch and handing her the office’s contracts. As principal of Oehrlein & Associates, she has undertaken an astonishing array of preservation-related projects, such as compiling masonry-maintenance guidelines for New Orleans’s French Quarter and creating master plans for buildings as diverse as Frank Lloyd Wright’s Unity Temple and Los Angeles’s bizarre Watts Towers. She has analyzed the Smithsonian Institution’s historic windows and transformed an armory in Hyattsville, Maryland, into an arts center, restaurant, shops, and offices. She supplies information to other firms and serves as prime architect, and among her strengths, she says, is nudging buildings into roles they do not at first seem to fit.

“If we’re asked to do something awful or strange to a building, we’ll try to talk the owner out of it and we’ll try to come up with alternatives to change the program. If that doesn’t work, we’ll walk away,” she says. "Philip Johnson may be right — that we’re all whores — but we do have some integrity.”

Inescapable Facade-ism
Moving facades has become another Oehrlein specialty. She recently brought down and packed up 3,700 chunks of terra cotta from the front of the circa-1925 Almas Temple, a Shriners’ hall in Washington. The pieces were then re-applied to a new frame down the block. “We’ve developed systems for labeling, cataloging, storing, crating, and hauling stuff around,” she says. “We’ve grown to expect facade-ism; that’s Washington for you! You find yourself backed into a corner, doing things that seem unnatural just to save some historic fabric.” She has also made extensive use of her stone-restoration skills, analyzing cracks in the Tomb of the Unknown Soldier, the largest chunk of Colorado Yule marble ever quarried. The source of its troubles remains a mystery to Oehrlein, since the military did not allow her to do any hands-on testing. She is far more confident about the future of twenty-two 45-foot-tall Corinthian columns rescued from the East Front of the U.S. Capitol during a 1950’s renovation. She repaired them, strengthened them with steel rods, and propped them up in the Arboretum. The results, she says, “are wonderful, like a real ruin.”

At the moment Oehrlein’s firm is preserving the skin of a massive Victorian school in D.C. designed by Adolph Cluss. It is their second Cluss school; at the first, a few years ago, Oehrlein was asked to peel away a high embankment alongside the school and cut a handicapped-access door into the hillside. To keep the original door (now ten feet off the ground) accessible, she constructed a cast-iron staircase partly out of stock pieces and partly out of columns salvaged from another Cluss building. “We play games in this office,” she says.

She is also currently immersed in two government projects; converting a grand patents library in the Department of Commerce into a visitors’ center for the White House, without spoiling the room’s coffered ceiling and lofty proportions; and building a low-slung visitors’ pavilion with tapered Doric columns behind the White House, to shelter a variety of National Park Service functions. “The Park Service came to us looking for just an elevator down to some existing restrooms. But their office in the park was in a trailer; there were ticket booths scattered all around; and we said that for the cost of the elevator we’ll get rid of all this junk for you.” And in her spare time, she serves on every committee she can manage.

Oehrlein examines National Register applications for the state of Virginia and regrets she cannot visit every building up for nomination. She founded a layperson’s affiliate of the local AIA chapter; ran the local AIA chapter for a year, and now regards herself as “not comfortable with the promoting part of that job. I didn’t enjoy standing at a podium; but I still accomplished what I wanted to.” She serves on the board of a nonprofit group raising funds to restore Washington’s elegant neoclassical Cosmos Club. Asked whether she prefers paperwork, firm management, and handshaking or perfecting drawings and then traipsing through historic construction dust, she doesn’t hesitate before replying, “Oh, I like all of it.”
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Frank Lloyd Wright designed this cast iron fixture for his 1906 renovation of The Rookery Building in Chicago. Ball & Ball was asked to renovate the 10 original units — and supply 6 new ones to match. The pattern in the fixture matches the rest of the iron lace in the building. A 19' square cast iron, brass-plated canopy trails 8 cast brass chains, 6 ft. long, supporting a 36' square main body, which in turn holds 4 corner globes and a central globe over and under the main body.

Early 20th century hallway lighting by The Steinmetz Co. for the U.S. Capitol, Washington, D.C. Ball & Ball had all the original drawings on hand to produce two additional lights to match the originals. (This fixture is just one of many that Steinmetz produced for government buildings in Washington.) Main body is spun brass, 32' dia., fitted to cast brass border supporting lost-wax-cast iron heads that hold 6 electrified arms. Overall dia. 5 ft. Exact copies, larger, or smaller versions of this lamp are available on special order.

Argand Lamp, c. 1800, reproduced for a restoration in Barbados. The fixture, 20" in diameter and 40" high, is cast, sheet, and spun brass with hand-blown glass. As pictured, the fixture has been adapted to accommodate 2 electric candles.

Lighting fixture made by The Steinmetz Co. to hang in a lower level hall of the U.S. Capitol. Made of cast brass, spun brass, and fluted brass tubing, it features etched glass on all 6 sides and bottom. It is 22' high to the column top, 19' across. Center of the bottom is hinged for bulb changing.

Two-tier chandelier, custom-made to complement an original 18th-century 3-tier fixture in a Pennsylvania church. The unit as shown is 48' high, 56' wide, and has 12 arms with hand-blown shades.

Two early 20th century turned, spun, and sheet brass lantern with shatterproof plastic. The "Union Jack" decoration can be changed, duplicated at the bottom, or made with three bands. Sizes: Large — 26' O.D., 52' high. Medium — 16' O.D., 28' high. Small — 9' O.D., 19' high. Small unit could use glass for residential installations.

Lighting fixture made by The Steinmetz Co. to hang in a lower level hall of the U.S. Capitol, Washington, D.C. Ball & Ball had all the original drawings on hand to produce two additional lights to match one of many that Steinmetz produced for government buildings in Washington. (This fixture is just one of many that Steinmetz produced for government buildings in Washington.) Main body is spun brass, 32' dia., fitted to cast brass border supporting lost-wax-cast lion heads that hold 6 electrified arms. Overall dia. 5 ft. Exact copies, larger, or smaller versions of this lamp are available on special order.

Custom lighting fixture made to client specifications with hand-forged iron body (rather than the brass tubing seen on most 19th-century reproductions). Fixture is 5 ft. wide, 3 ft. high, with 3 12" white glass shades and spun brass fonts.

Ball-mounted exterior light, 20' high and 13' across, produced from original Steinmetz Co. drawings. Hex-shaped cap, body, and base are made from cast brass. Glazing can be bent, hand-blown glass, or shatter-resistant plastic. In addition to exterior lighting, applications for this light include accent lighting for showrooms and passage lighting for corporate offices.

Lighting fixture & Hardware Catalogs

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