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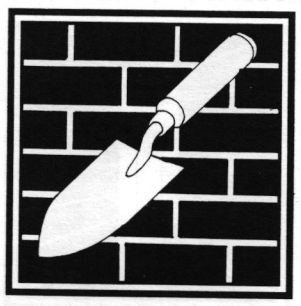

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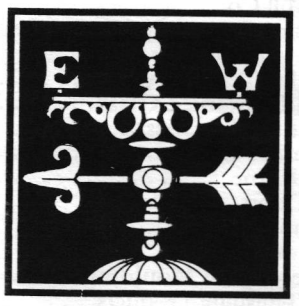

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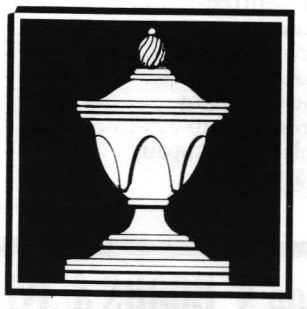

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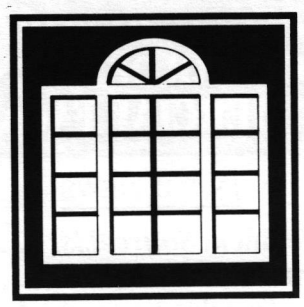

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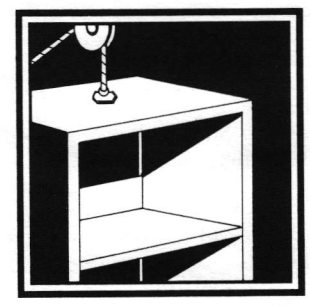

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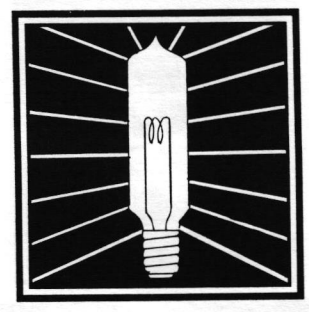

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ON THE COVER: The revitalization of East Market St., Rhinebeck, N.Y., included rehabilitating storefronts, restoring facades, and upgrading signage. Plantings on the curbside allow shoppers easy access to stores. *(Photo: Norman Mintz Design Associates)* For more information on restoring Main Street, see our special section, which starts on page 12.

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Making Oklahoma Main Streets More Than Alright

In the 1960's, Robert Venturi halfheartedly declared that the Main Streets of America were "almost alright." But by now almost all theorists have conceded that, in fact, vibrant Main Streets improve the economic, social, and architectural health of towns small and large. Here's how one branch of the National Trust for Historic Preservation's Main Street Center finds ways to make Main Streets thrive.

■ BY EVE M. KAHN ■

The Main Streets of Oklahoma face problems common to downtowns across America: How to lure locals and tourists away from outlying malls without losing any historic architecture or sense of place. But an upbeat Main Street image is particularly difficult to achieve in Oklahoma — a state where some 900 towns have arisen during land, oil, and mining booms in the past century, and where 250 of those communities are now ghost towns.

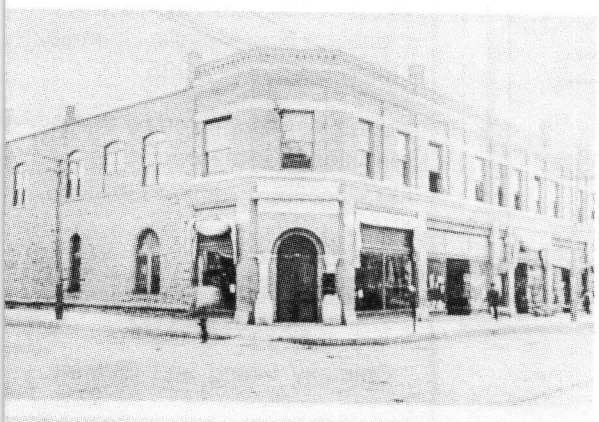
In the 22 towns that have benefited so far from the eight-year-old Oklahoma Main Street Program — one of the most energetic and scrupulously design-oriented of the National Trust's 36 Main Street programs — 1,900 new jobs have been created, $50 million in private-sector money has been reinvested, and 1,200 buildings have been restored. "It's an incremental process," says Ronald Frantz, program architect. "You celebrate the smallest of victories, and you build on them."

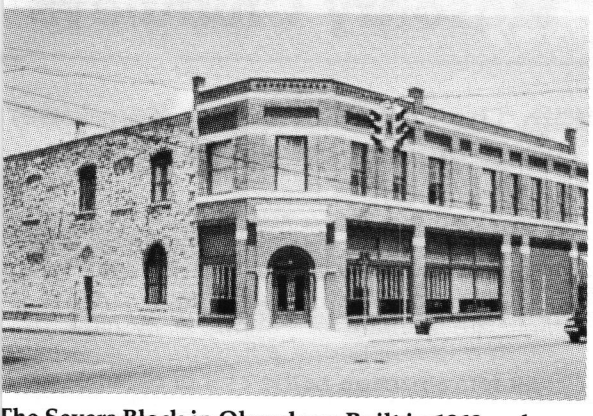
The office is average in size for a Main Street program: Four employees (Frantz plus director Susie Clinard, assistant director Melody Kellogg, and small towns coordinator Les Hall). The number of Main Streets under its wing is also pretty typical, as is the quantity of new Main Streets (up to five) brought on board each year. What sets Oklahoma's program apart, in addition to the state's distinctive roller-coaster economic history, is the staff's compulsion to share knowledge: "Oklahoma is very good at holding annual meetings and running programs around the state so that as many communities as possible can benefit," says Kennedy Smith, director of the National Trust's Main Street Center.

The Oklahoma office is also especially intent on self-improvement. This summer, for instance, it will be the first Main Street program to link all its communities by computer to each other and to economic-development databases. And the Oklahoma office is particularly strict about never violating either the Main Street tenets of preservation or the four-part recipe of "organization, promotion, design, and economic restructuring." That is, the Oklahoma office, like other Main Street programs, advises the towns it serves to organize and rally civic and business leaders around Main Street; to fashion a Main Street image with advertising and promotional events; to maintain and upgrade the designed environment from curbs to light-pole banners; and to research markets and position merchants accordingly. But demolition, allowed by some Main Street offices, is not an option in Oklahoma.

"The Oklahoma office takes preservation very, very seriously. That's what's best for communities in the long run," says Smith. "Whenever I meet people from Oklahoma, I find they're very aware of the Main Street Program. It's made them much more excited about their communities. It's a source of tremendous pride."

The Oklahoma Main Street Program staff, from left to right: Susie Clinard, director; Ron Frantz, architect; Melody Kellogg, assistant state coordinator; Les Hall, small towns coordinator.





The Severs Block in Okmulgee: Built in 1868 and expanded in 1906, the structure was re-clad in the 1950's and '60's with aluminum, stucco, Roman brick, and marble. Restoration workers in 1988-89 saved 90% of the old bricks. Using old photographs, they also replicated exterior columns and rosettes, as well as original hexagonal floor tiles. Restoration cost: $351,000.

How Towns Get Started

The Oklahoma Main Street Program receives a dozen applications each year and accepts no more than five. (Main Street programs in a few other states accept all applicants and then "can't provide the level of service we do," says Clinard.) Rejectees usually do not have enough financial support or enthusiasm. Before accepting any town, Main Street staff members look for a substantial number of donors to the Main Street effort. They also visit each business on the main drag, to find out if owners know about the application and are eager to get rolling. "If only a core group of five or six people want to join the program, it isn't going to work," says Clinard. "We'd waste time and money just convincing people that they need this."

The pact between acceptees and program is fairly straightforward. Towns promise to raise money for office expenses and a Main Street manager's salary (a minimum of $20,000); to write and execute annual work plans in the four-part formula; and to send the manager to state and national Main Street conferences. (Few Main Street programs require such a high level of travel from Main Street managers; but it ensures, says Clinard, that town leaders recognize all towns have similar problems and learn from each other.) In return, the Main Street staff provides training sessions in theory and practice, unlimited encouragement after every small achievement, advice on everything from awning design to fund-raising and National Register designations, and grants or low-interest loans for restoration and for context-appropriate paint jobs and signage.

Towns also receive Frantz's highly condensed and impossible-to-misconstrue drawings: Each depicts what a building should look like when restored and includes a 60-item checklist of steps needed to get there (e.g., "Sensitively wirebrush all metalwork" and "The contractor shall clean all glass at the end of the job") as well as samples of suitable paint and awning colors — all on one page. The more drawings a town turns into reality, the more drawings it gets. And not every new hinge and cornice return need be museum-quality. Frantz has worked for the program for its entire eight-year existence and "after eight years," he says, "you learn to loosen up."

The Working Life

In fact, all four Main Street staff members have worked there for all of its eight years. "We're doing what we want to be doing. People in this field tend to really believe in it and stay with it," says Frantz. Twenty weeks on the road per year are expected of staff members. The office, in Oklahoma City, stands not on a Main Street-esque strip but in a 1970's corporate park, close to three interstates. The staff visits not only program applicants and acceptees, but also participants in a new venture called Des-

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Division 1 - Services

Architectural Antiques Network Links Dealers and Seekers

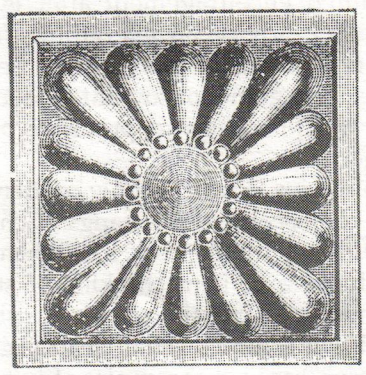
One of the fascinating new businesses to spring up in the historical products field in the past six months is a "finding service" that links architectural salvage dealers with buyers who are searching for specific antique items. Called "Salamander and the Web" (you'll also see their ad elsewhere on this page), the heart of the service is a monthly newsletter that presents "Wanted" and "For Sale" ads from both dealers and prospective buyers. The ads cost as little as $7.50.

To be eligible to place ads in the monthly newsletter, you need to be a member of the network, which costs $38 per year. All network members (mainly salvage dealers, renovators, suppliers, architects, and interior designers) then receive the monthly publication, which, in addition to the buy-and-sell ads, also contains articles of interest to salvage dealers and buyers involved with renovation and restoration.

Plans are afoot to provide point-of-purchase displays for the network newsletter at architectural antique shops, which will create additional audience for the buy-and-sell ads. And the scope of the newsletter is being enlarged to include helpful how-to articles on managing the business side of architectural salvage.

And the unusual name for the newsletter? When asked about it, owner Sally M. Snell replies somewhat delphically: "I am the salamander, and the computer is my web."

For more information, call 800-984-3932. Or, write to Salamander and the Web, P.O. Box 1834, Topeka, KS 66601. Their FAX is (913) 232-3308. -- *CL*



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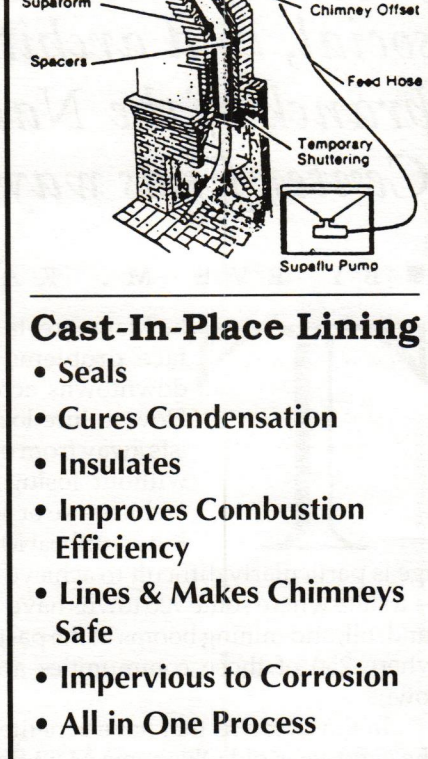

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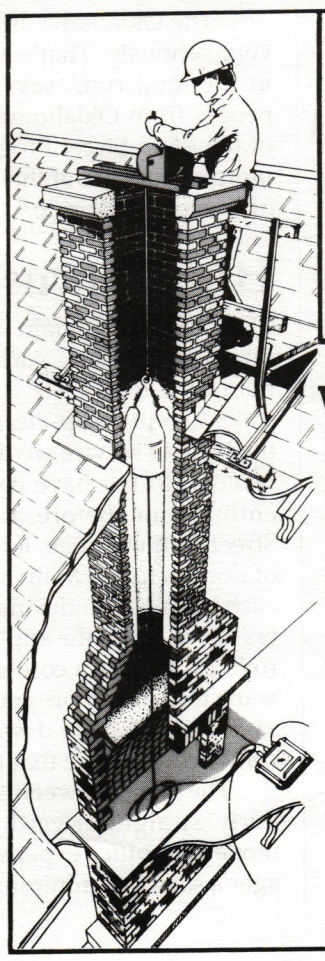

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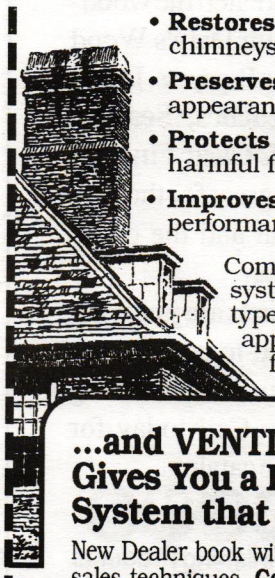

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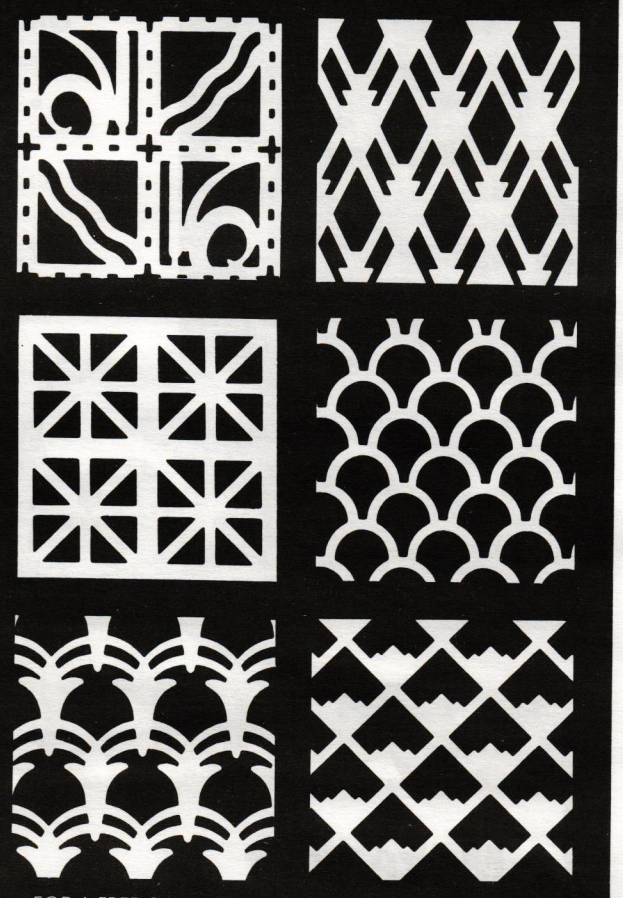

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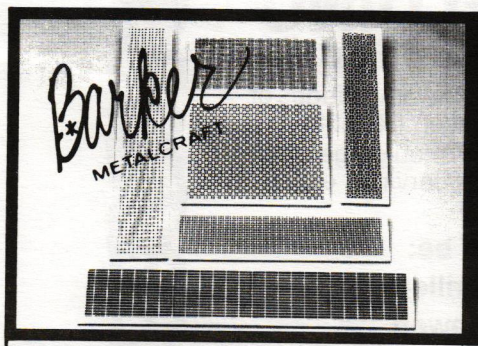

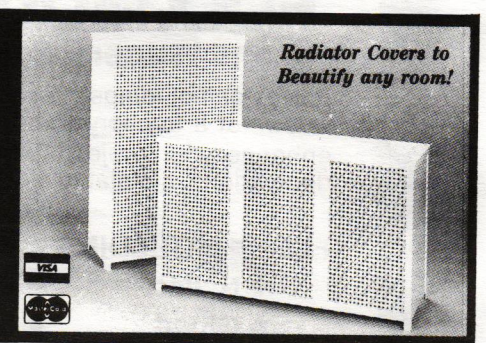

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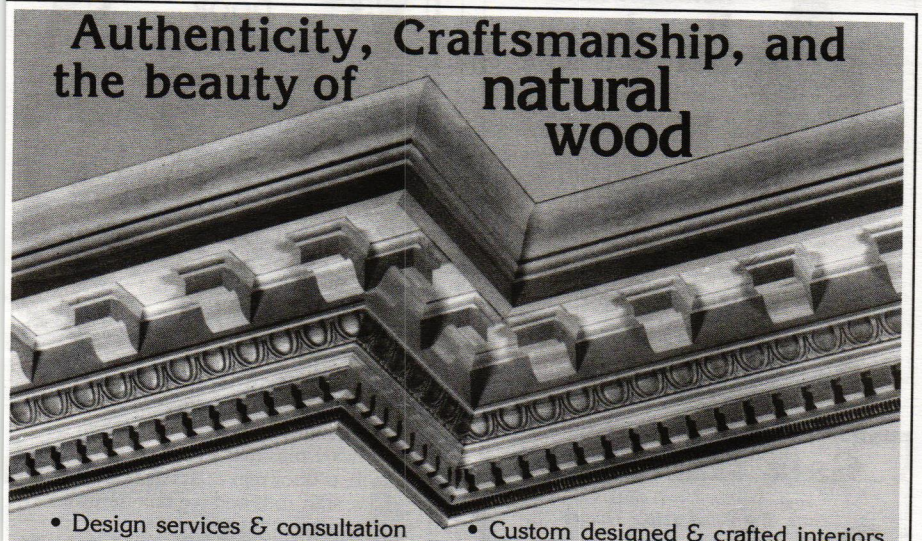

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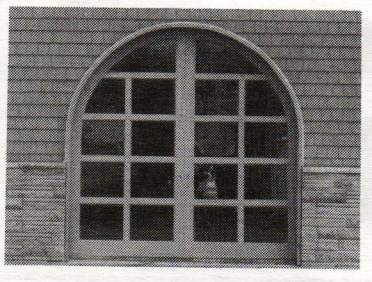

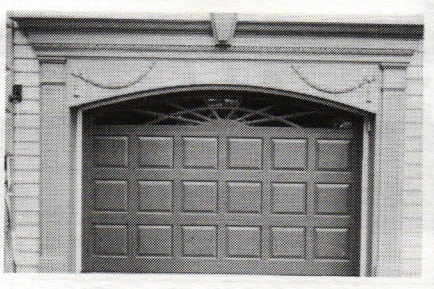

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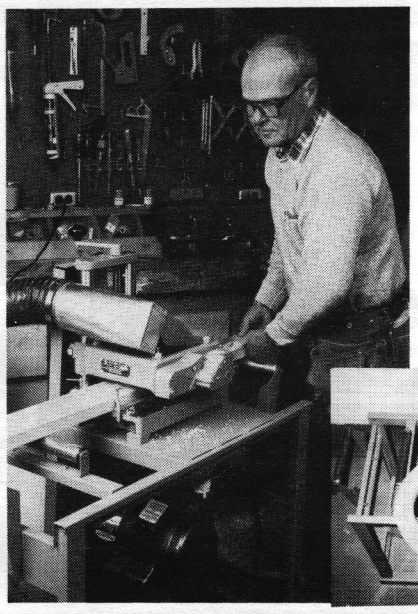

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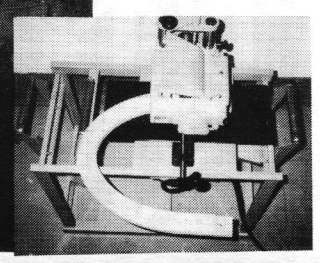

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Division 8 - Doors & Windows

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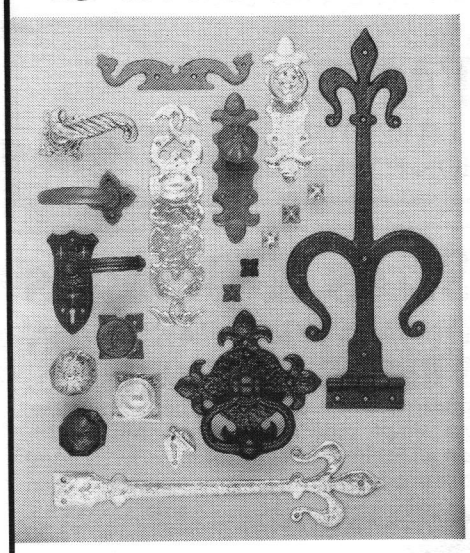

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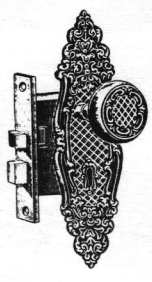

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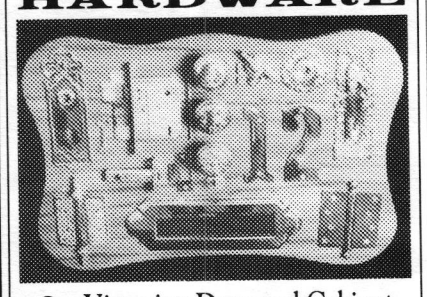

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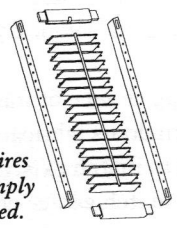

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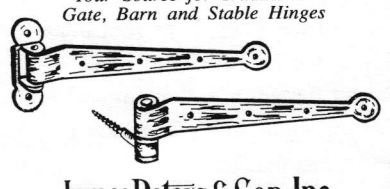

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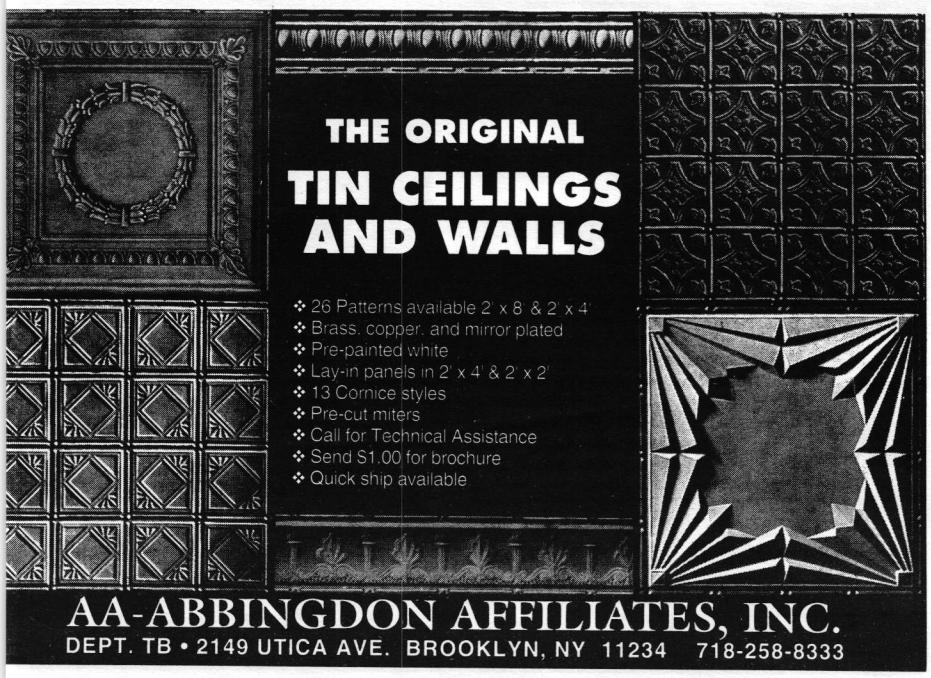
Division 9 · Finishes



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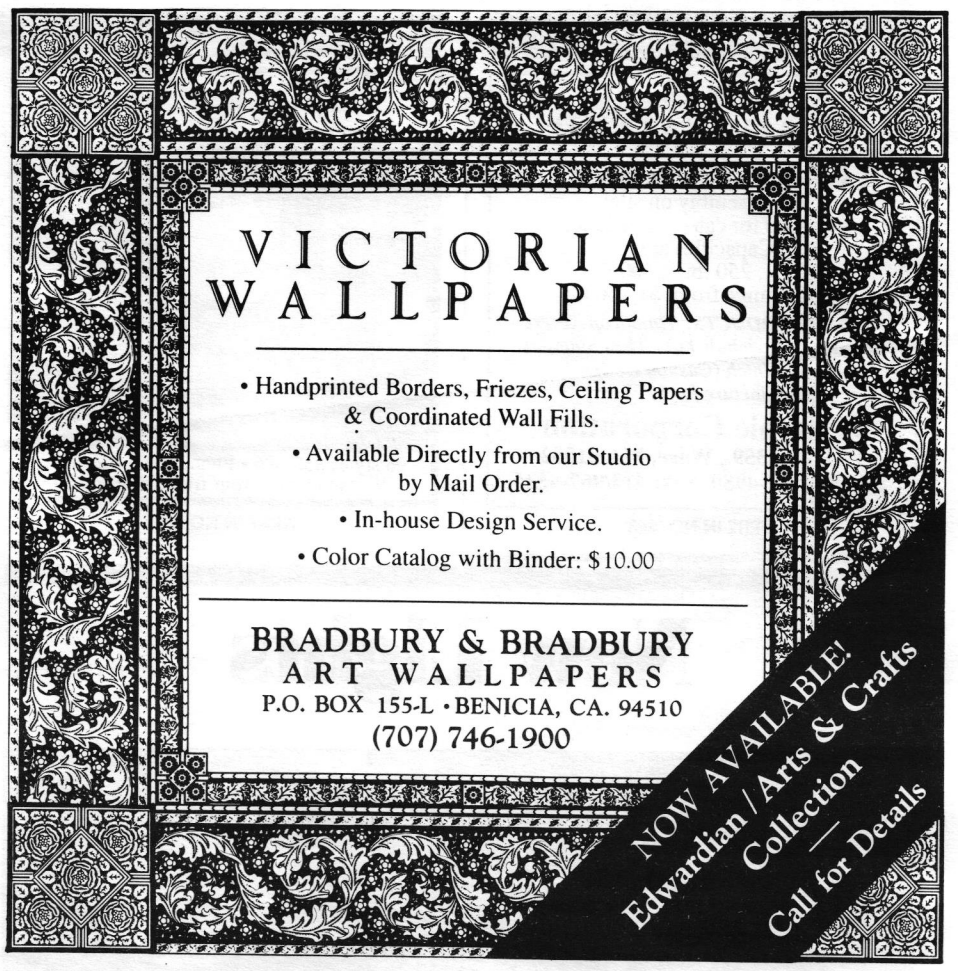

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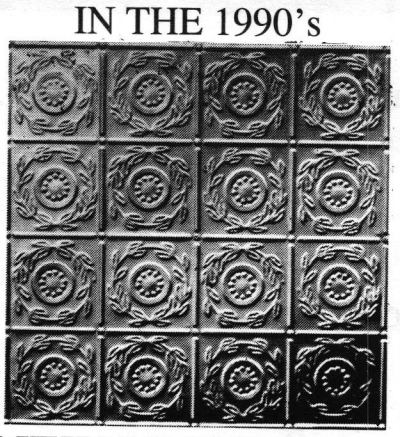

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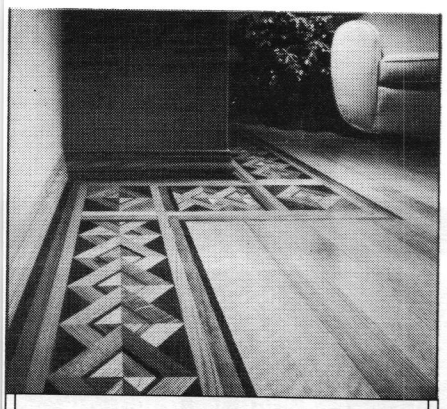

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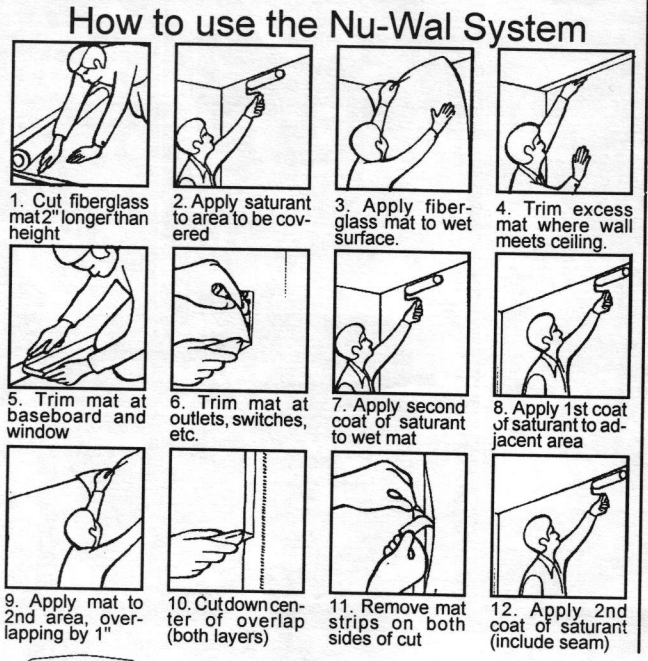

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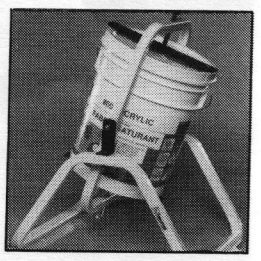

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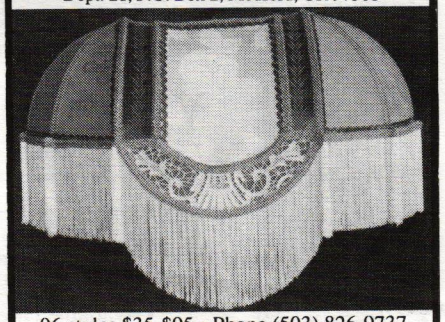

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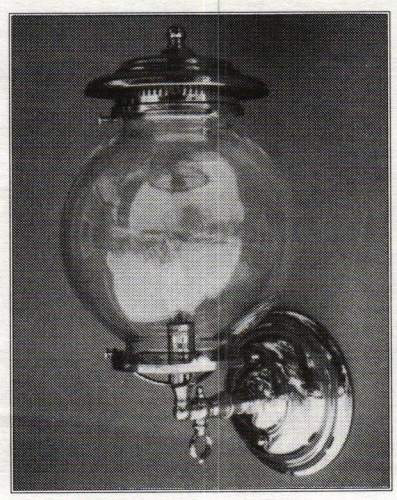

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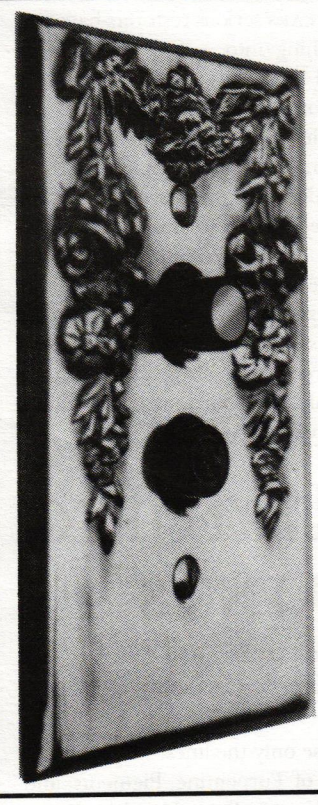

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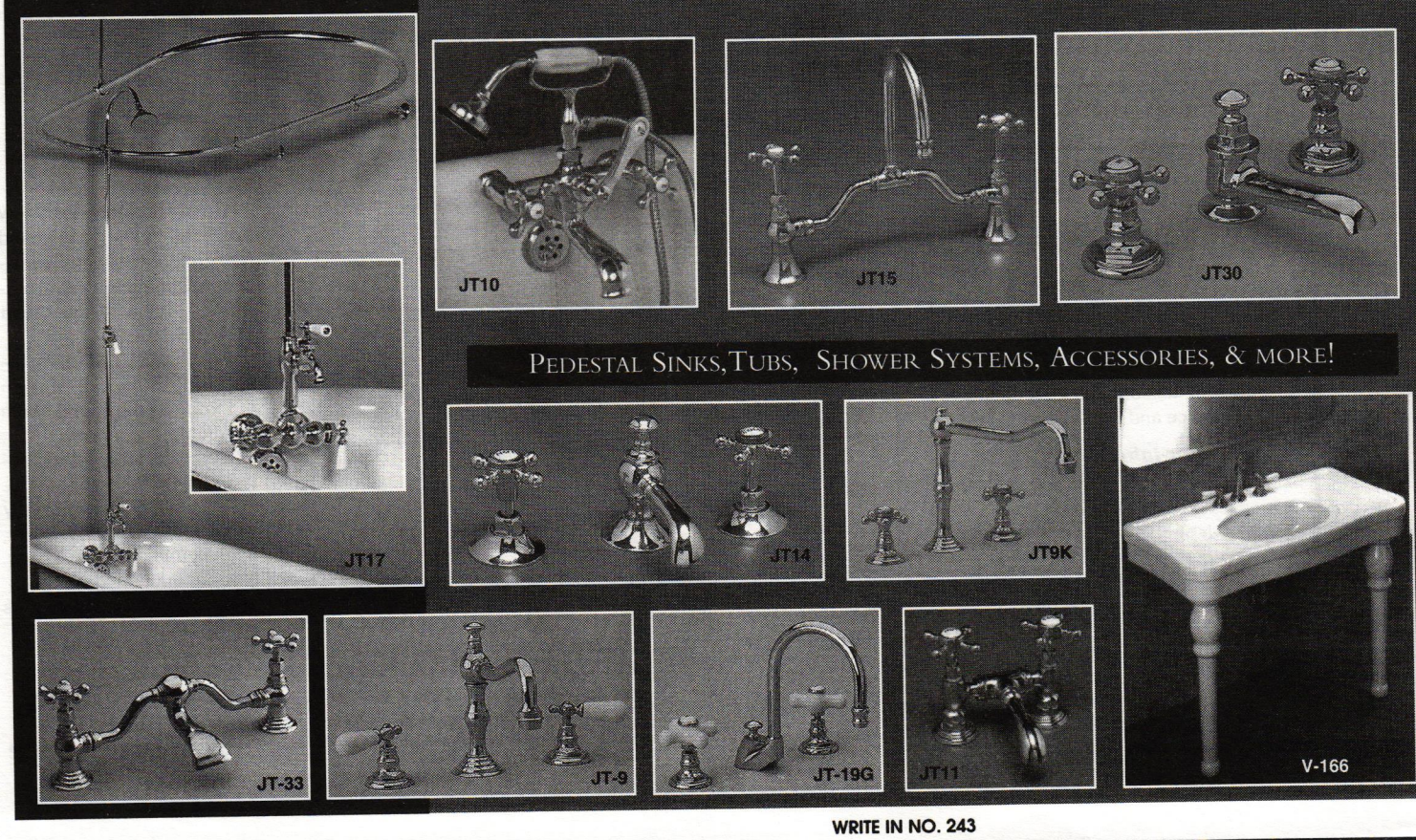

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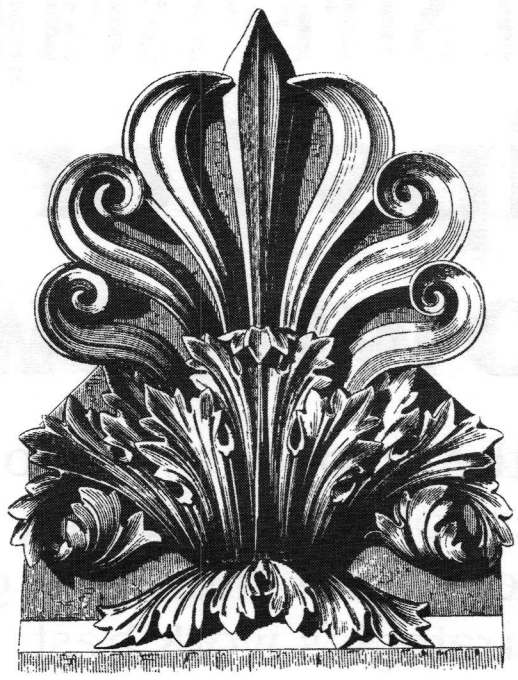

PROGRAM HIGHLIGHTS

Saturday, Oct. 29: Lectures include:

House and Home: The Idea of the Dwelling
The Vocabulary of Classical Architectural Design
Proportional Techniques for Residential Projects
The Garden as Decoration
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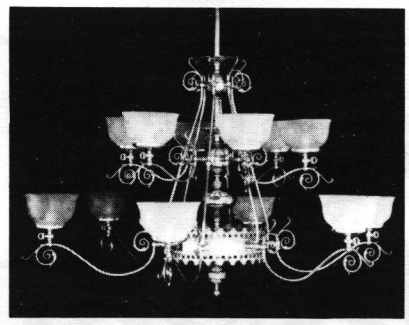

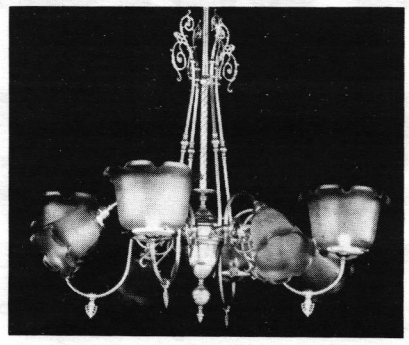

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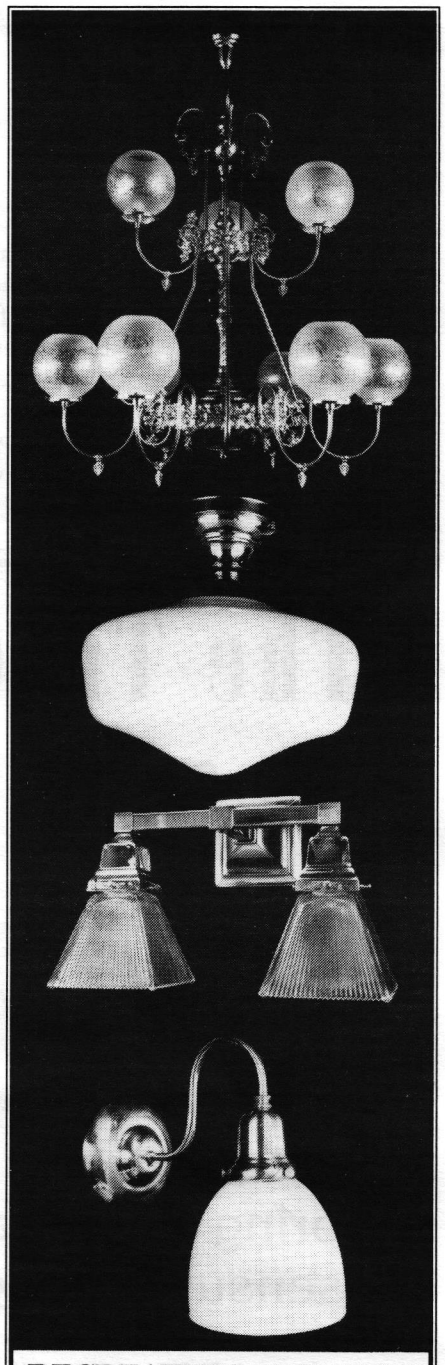

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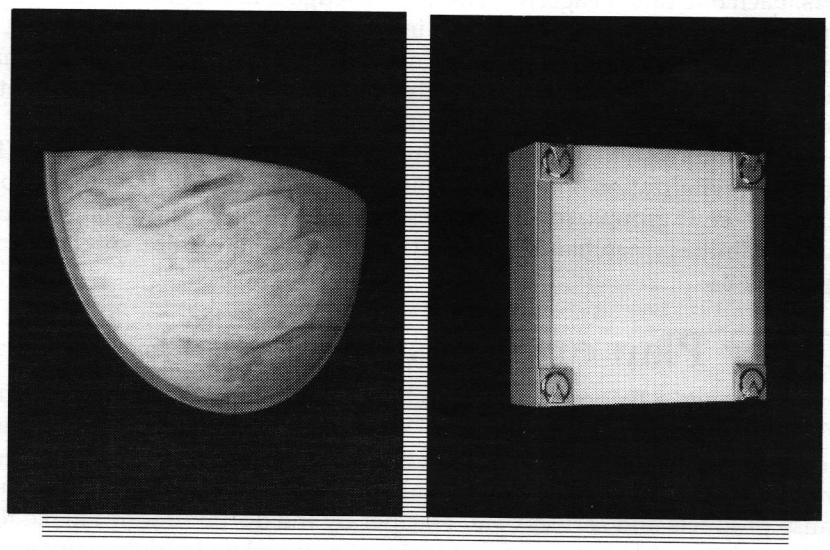

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Restoring Main Street

There's a fascinating dichotomy developing in American retailing. The malling of America continues unabated — but there are numerous signs of mall saturation. Today, when a new mall opens, it's likely that the bulk of its customers will be drawn not from downtown stores (which had been cannibalized years ago) but rather from other, older malls.

In the meantime, downtown areas that had been sucked dry by earlier mall developments are picking themselves up and planning their recovery. Progressive downtown businesspeople have realized that, although many of their former customers may have been lured away, Main Street business districts retain at least one major asset: The architecture and ambience of an earlier time. Ironically, Main Street America has the historic architectural assets that many mall designers are frantically attempting to replicate in new developments.

Starting with the pioneering efforts in downtown Corning, N.Y., in the mid 1970's, creative planners and developers across the country have shown how imaginative business plans, built around historic architecture, can generate a vibrant economic environment downtown.

In this report on "Restoring Main Street," we present some design concepts that planners are using successfully today — along with suppliers who can help transform those plans into reality. — *CL*

The Traditionally Styled Streetscape:

35 Design Tips For Revitalizing Downtown

Because downtown is the focal point for the economy, history, and architecture of a community, increasing attention is now being paid to restoring an attractive and inviting Main Street. And there's a growing consensus among professionals about what strategies work best.

■ BY JUDITH SIEGEL LIEF ■

All commercial buildings share certain features: Decoration on the cornice or roofline; a transparent storefront level framed by solid shapes; an upper facade with windows (there may be a continuous horizontal line running from building to building); a recessed entry; a display window with bulkhead; transom windows; and a sign-band or recessed area for signage. However, every downtown is unique in its setting, range of architectural styles, historical context, and evolution. Further, downtowns can change from one end of the street to the other; high-end goods and stores with elaborate architecture may give way to mass merchandise and thrift shops with less distinctive architecture.

"Every ACTION in the downtown will have a REACTION somewhere else." - *Kennedy Smith*

To begin this streetscape adventure, this Editor contacted a couple of architects I knew had done sensitive Main Street restorations. It didn't take more than one phone call before I was ushered into an enthusiastic and collegial coterie of architects, Main Street managers, downtown development associations, and others. Each one called eagerly shared knowledge and experience and recommended others certain they would be invaluable contacts. And so it went. By no means comprehensive, this report nevertheless contains lots of firsthand, concrete information . . . and ends with a roster of those interviewed, contact information, and some recommended reading.

The most consistent comment — always worth coming back to — was: The process of revitalization should be about *community.* That is, the more people involved — civic groups, politicians, residents, schools, planning boards, local officials, families, merchants, property owners — the more successful the project will be.

Master Plan or Series of Visions?

Richard Wagner, a Baltimore-based architect, talks about developing a "Series of Visions" rather than a "Master Plan." With the latter, models and renderings are created, which unfortunately don't allow for natural shifts and changes in economy, people, and needs. And the misconception that one must buy in bulk because products and services are "cheaper by the dozen" doesn't make for a winning solution (cheaper up-front costs often translate to high maintenance costs.)

A "Series of Visions" establishes a group philosophy and "road map," thereby allowing design pieces to be filled in over a period of time. To do this, complex environments need to be broken down into smaller areas. Look at the town and see what it NEEDS. Find a focus and a focal point. The streetscape should reflect the nature of the businesses operating there. Notice what the common elements are, and then write design guidelines. New architecture and furnishings should relate to the vocabulary of what was there before or be re-interpreted with more simplified detail.

Other experts teach from their experiences. Steve Farneth, a California architect, suggests taking cues from the streetscape — while not being a slave to it. Modern buildings will always be new; one must allow buildings to reflect their own time, though new buildings can learn from traditional rhythms. Gaines Jontz, of the South Carolina Downtown Development Assn., warns not to erode the original fabric of a town. And in the same office, Ben Boozer speaks of the "process rather than the project." He feels the revitalization should be "grass roots and bottom up." Boozer lists the critical ingredients to a successful downtown revitalization (emphasizing that "money" is not on the list): 1) Vision; 2) Leadership; 3) Public & Private Partnership; 4) Commitment; and 5) Patience.

Richard Hersey is a consultant for the Catskill Center for Conservation and Development, Arkville, N.Y., and the Main Street Alliance, Mt. Kisco, NY. He feels rural communities have grown in an organic way, so expensive and quick solutions are foreign to them. Simpler, small-step improvements are also recommended as part of the learning process that nurtures community building.

Janice Pregliasco, in her *Downtown Design Guidelines* (see sidebar on page 16 for more information) affirms, "the essence of downtown is being in an urban area and, as such, should be differentiated from a residential neighborhood." Many are inclined to extend, for example, tree plantings and lighting standard installations every 20 ft. as would be done in the residential part of town. Not only is this unnecessary, but it is not germane to the function of a business district. Downtown is a discrete economic unit and its look should reflect that fact.

Fighting the Malls

There's 17 sq.ft. of retail space for every American; and 80% of the money spent in those spaces is in shopping malls. As a result, Main Streets shouldn't try to compete with malls; they can't measure up to parking convenience and volume of merchandise. Rather, Main Streets should try to capitalize on offering something different: Personal and familiar (local) shopkeepers, a reinvestment in the neighborhood, and a support for the heritage that has built the community. Norman Mintz, a New York City industrial designer and city planner (and the country's first Main Street manager) adds, "Malls can actually *complement* Main Street; they are a reality of shopping in our time."

Securing Downtown

Crime Prevention Through Environmental Design (CPTED) is a national program that encourages architects to design so citizens — *legitimate normal users* — can function safely at street level. Their advice: Include security measures when designing amenities like telephones, rest rooms, and parking. Courtyards should be in public view. Rest rooms, considered unsightly, are often buried in the back of town, under-lit and under-maintained. (See below, under "Rest rooms" and "Telephones.")

Dan Gilmore, at the Florida Crime Prevention Institute, advises planners to analyze the physical environment, particularly in larger cities, where crime

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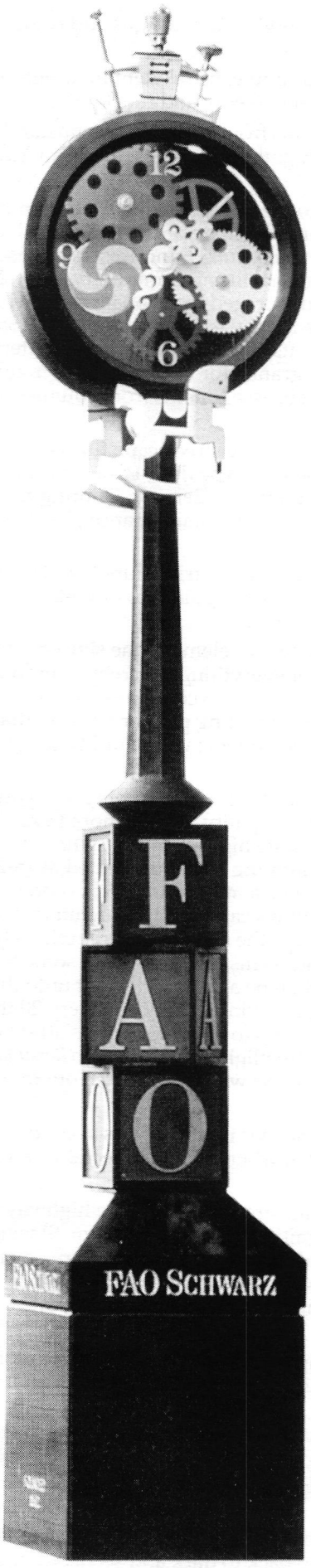

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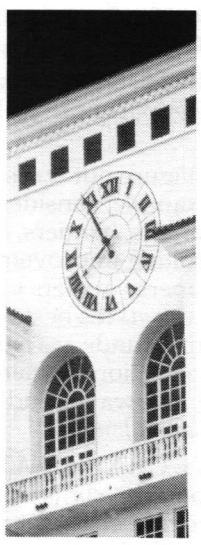

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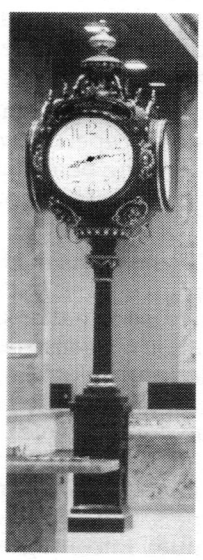

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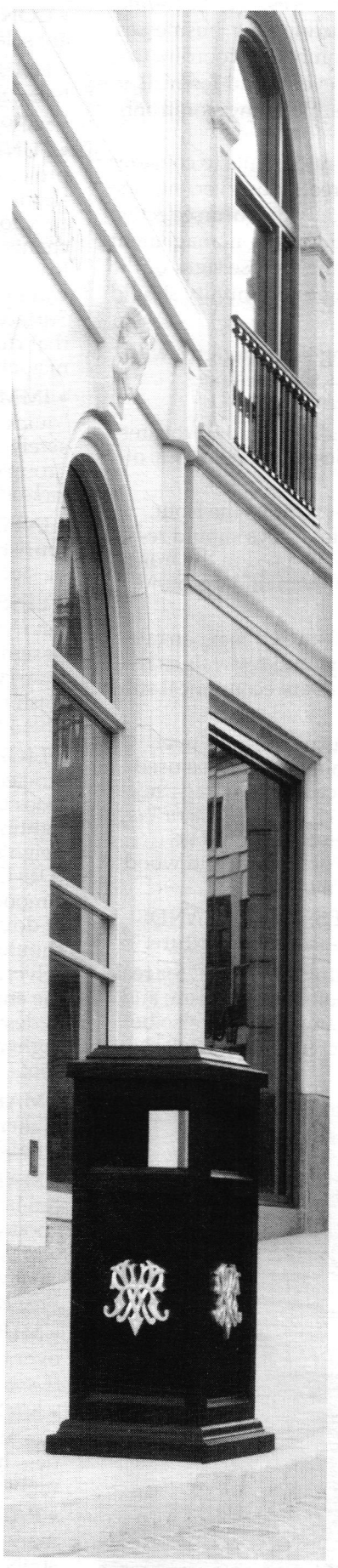

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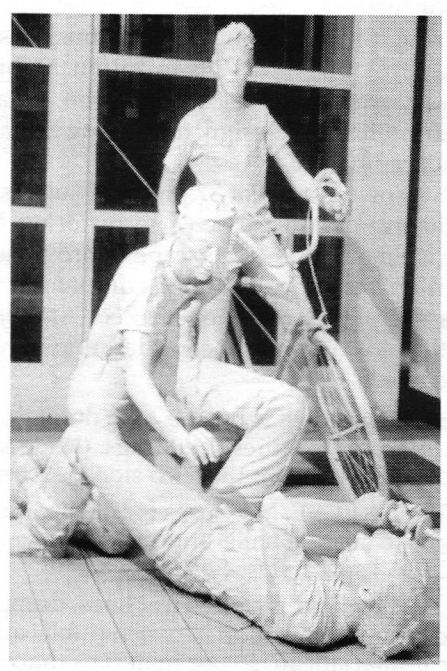

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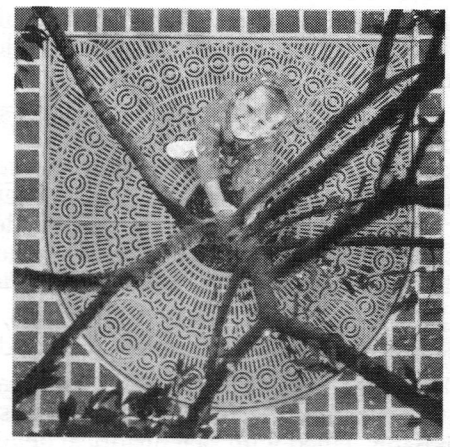

FRENCH PATTERN TREE GRATE
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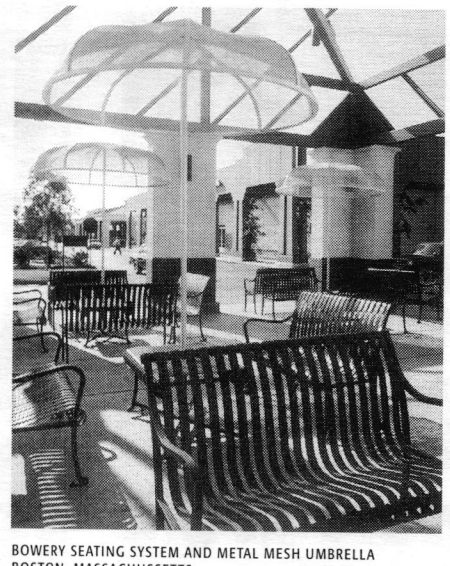

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TIPS FOR RESTORING MAIN STREET
continued from page 12

is an issue. It recommends establishing good surveillance, high visibility, and controlled access by having the business district monitored and limited with the use of information booths and bollards (to limit vehicular entry). An abundance of vehicles downtown creates a fertile environment for crime (quick access and getaway, anonymity of drivers shielded and protected by the vehicle). On the other hand, car-*less* downtowns generally do not work; shoppers need easy and convenient access to stores. Above all, work with the local police to determine safe design. When addressed, these issues not only secure the downtown area, but engender a sense of pride and ownership, as well.

"Malls can actually complement Main Street; they are a reality of shopping in our time." - *Norman Mintz*

Tips & Techniques

Kennedy Smith, Director of the National Main Street Center, in Washington, D.C., describes a *Four-Point Approach* to revitalization that combines "the preservation of historical assets with sensible business practices:" (1) **Economic restructuring.** Strengthening existing businesses, attracting new businesses, real estate development; (2) **Organization.** Mobilizing volunteers, coordinating public and private sectors; (3) **Promotion.** Retail sales events and festivals to strengthen interest; (4) **Design.** Improving visual aspects, including storefronts, signs, landscaping, etc.

What follows is a list of 37 practical suggestions — and points to consider — for utilizing design elements in restoring Main Street. However, no one approach is a panacea — streetscape improvements are only part of an effective revitalization strategy. Without companion promotion and management strategies, the process will not succeed. And one must never lose sight of the fact that the most important consideration in rebuilding a community should always be *people*.

• **ACCESS.** Downtown is business, so don't do anything that interferes with the public's access to stores/buildings. (Wide sidewalks should have benches and plantings on the curb side.) *(Richard Wagner)*

• **ADAPTIVE REUSE.** New uses for old spaces have included movie theater conversions to auction halls, antique centers, art galleries, art film houses, offices, and retail space. *(Lise Sundrla)*

• **ALLEYS.** They hold the electrical lines, dumpsters, etc. Unlike the front, there's no clear demarcation between public and private. Alleys should reflect their utilitarianism, so use materials that might not be used in the front of the building. If possible, group electrical lines or run them underground. *(Richard Wagner)*

• **AWNINGS & BANNERS.** These are colorful and (relatively) inexpensive ways to dress-up Main Street. Think in terms of holidays and festivals as reasons to install and change banners; brightly colored ones are economical substitutes for expensive gateways. *(Gaines Jontz)*

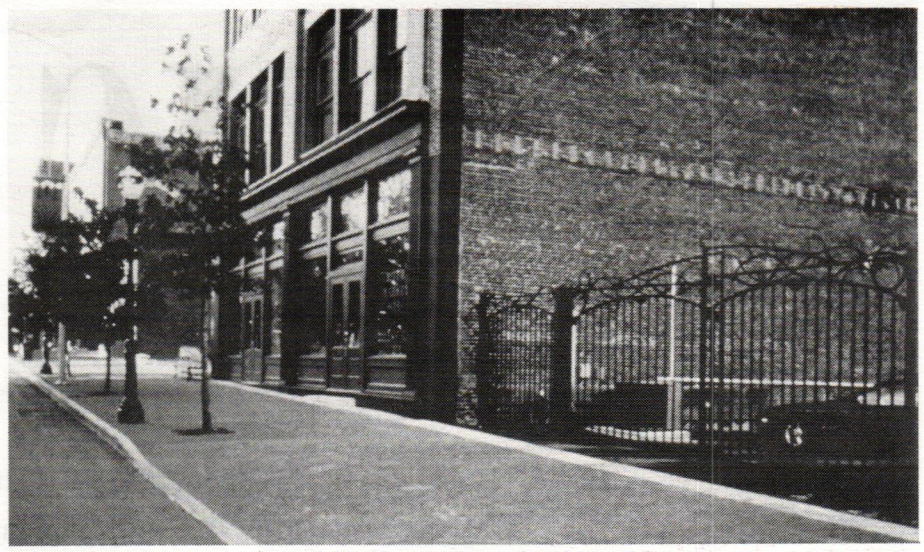
• **BENCHES, TRASH RECEPTACLES.** Don't scatter furnishings all over town and don't get hung up on the "elements." Furnishings should be used judiciously and sensibly. Like trees, they should be placed in natural gathering areas: Ice cream parlors, post offices, pocket parks, city hall. *(Richard Wagner)* Benches should be bolted down, and the design selected should be practical: Wood slats are easily replaceable when dirty or broken, and wood tends to be comfortable and stay cool. *(Elise Johnson-Schmidt)*

• **BICYCLE RACKS, OUTDOOR VENDORS, STAGES, BANDSTANDS.** Can all be functional *and* decorative — and add texture (see also "Texture.")

• **BROCHURES & PRINTED PIECES.** They can be extremely useful for real estate developers; hospital, college and university recruitment; tourism; and local merchants. Filled with rich historical detail, the pamphlets can also be turned into curricula for schools and used to promote civic pride. *(Kennedy Smith)*

This flower shop, on Magazine St., in New Orleans, has spilled its wares onto the sidewalk, adding color and life to the busy street. *(Photo: Gaines Jontz, SCDDA)*

A Kansas City, Mo. cafe has utilized its wide sidewalk and made sensible use of street furniture, plantings, and an awning. *(Photo: Gaines Jontz, SCDDA)*



The use of a cast-iron fence in front of a Kansas City, Mo., parking lot helps define the facade plane. *(Photo: Gaines Jontz, SCDDA)*

• **CLOCKS & FLAGPOLES.** Can be a focal point and used as a gathering place. *(Lise Sundrla)*

• **COLOR.** Murals, awnings, banners, public art, and signs add color. *(Gaines Jontz)*

• **CONSULTANTS.** Start small and go simple; be prudent in design consultant selection. Consider history, physical makeup, and function. *(Betsy Jackson)*

• **FOCAL POINTS.** Outdoor eating, waterfront recreation, bandstands, city halls, and pocket parks can all be focal/gathering points. (See also "Clocks & Flagpoles.")

• **FUNDING.** Figure out ways to economize by involving the community in projects. For example, consider soliciting donation of materials and local fabrication for planters, banners, etc. *(Norman Mintz)* Fund-raisers are useful not only for bankrolling improvements but also lifting community spirit. Merchants and property owners may be encouraged to renovate by low-interest loans. *(Sharon Green)* It's best when the money is public *and* private. Some ways of soliciting funds are federal grants, SHPO grants, ISTEA (Intermodal Surface Transportation Efficiency Act) grants (for improvements in towns that run along highways), and special tax assessments from counties and municipalities. *(Gaines Jontz)*

• **IMMEDIATE GRATIFICATION.** Don't use streetscape furnishings as a "quick fix." However, some improvements can be done easily and inexpensively and give the sense that revitalization is underway: Painting facades, a group cleanup, placing signs, and developing a maintenance program. *(Betsy Jackson))*

• **INFORMATION BOOTHS.** These can serve a triple function: 1) Guide for tourists (maps, walking tours, historic districts, guides to downtown); 2) Traffic siphon; and 3) Security base. *(Dan Gilmore)*

• **LESS IS MORE.** Don't try to "design" every element; the simpler the better. *(Norman Mintz)* Don't install "one of everything," thereby overdoing the design of the streetscape. *(Richard Wagner)* Try to combine elements, e.g. a pedestrian-scale lighting pole might have a hanging planter with an attached trash receptacle. (N.B. This would not be possible with a utility company pole.) *(Janice Pregliasco)*

• **LIGHTING.** Who owns the fixtures? If it's the power company, you're restricted to their inventory; if it's the municipality, there's more flexibility. Does the town exist on either side of a state highway? If so, what are the lighting regulations? Pedestrian scale lighting is recommended at 15-20 ft. heights. Viable security lighting should be a minimum of 5 ft. candlepower. *(Dan Gilmore)* Lights mounted on buildings can highlight architecture, create a mood, and accentuates trees. Make sure the style of fixture reflects history of downtown. Not every fixture should be historically styled; some fixtures should blend into the scenery rather than be a design element unto themselves. (Like trees, you don't need to place vintage fixtures every 20 ft. along the entire avenue.) Encourage shopkeepers to light storefronts after hours so pedestrians don't have to jump from streetlight to streetlight. *(Betsy Jackson)* Light also emanates from signs and display windows. Watch out for dark spots.

• **MAINTENANCE.** Make sure that cheaper up front costs don't translate to higher maintenance costs. Consider that when making selections (paving materials, tree species, etc.).

• **MARKING THE TOWN.** Many main streets border state highways and can be easily passed by with no recognition, so mark the town. Slogans are a good way to lure tourists into stopping, but make sure there are amenities worth stopping for. *(Gaines Jontz)* Designs should be scaled for those towns "that will initially be seen from the windshields of fast-moving cars." *(Janice Pregliasco)*

• **MURALS.** Look to adjacent buildings for palette. Because artwork fades over time and needs to be repainted, it is a maintenance consideration. *(Gaines Jontz)*

• **NIGHT LIFE.** Upper-floor housing is a good utilization of upstairs vacancies and gives the sense that the town's vitality endures after regular business hours. Restaurants, movie houses, and legitimate theater encourage night life. *(Lise Sundrla)*

• **PARKING GARAGES.** Although convenient, they are a security nightmare. Basically, if shoppers have to go back to dark and secluded parking spots, they won't want to return to the area. *(Dan Gilmore)*

• **PARKING LOTS.** Landscaping may be used to beautify lots but should be well trimmed and not inhibit adequate lighting (higher levels of light are required in the rear than in front) for security reasons. *(Dan Gilmore)* Well-situated kiosks can dress up parking lots and shelter attendants. *(Jeff Eichenfield)* Locate parking with safety in mind; a back parking lot near a playground

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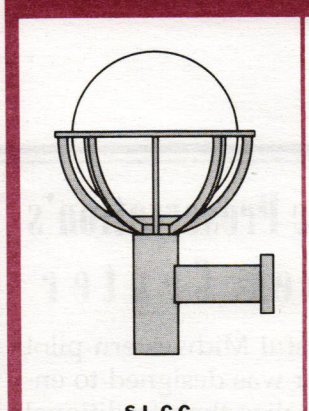

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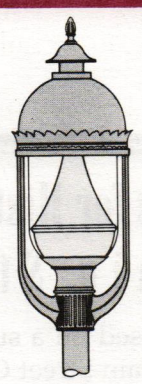

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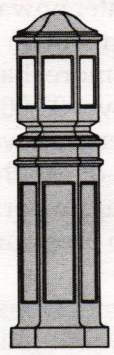

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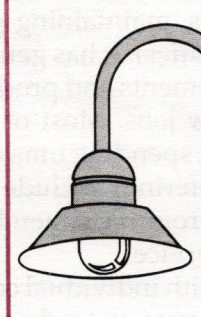

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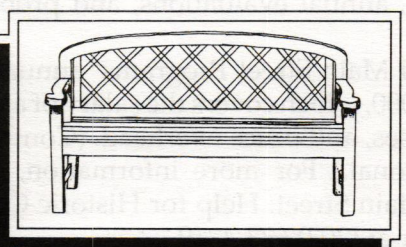

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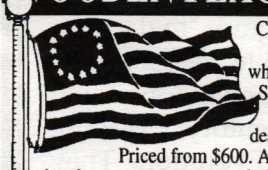

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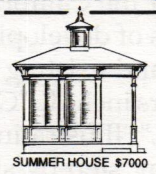

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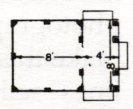

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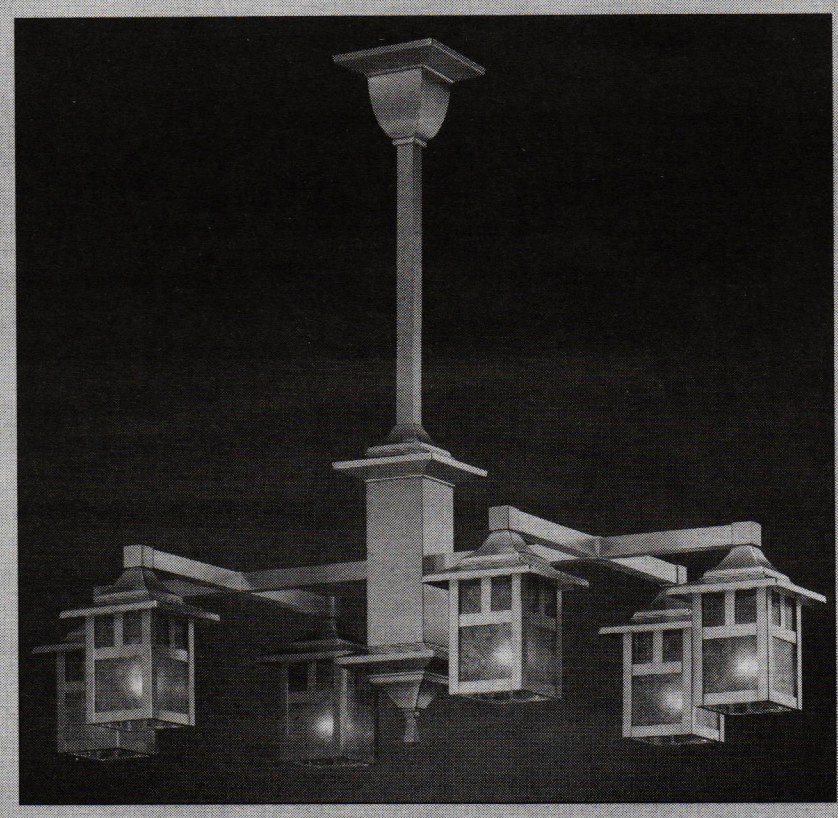

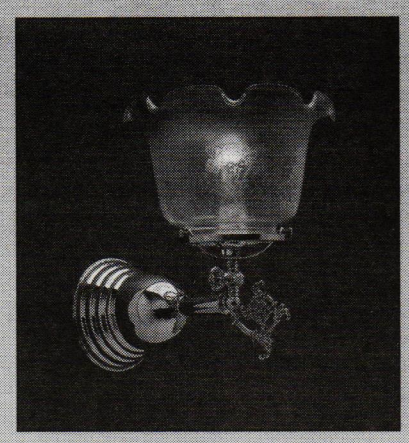

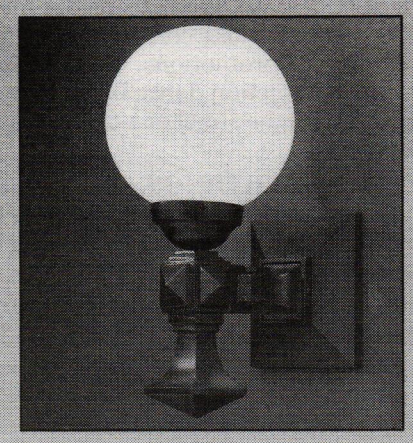

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WRITE IN NO. 763

TIPS FOR RESTORING MAIN STREET

continued from page 14

may invite trouble. *(Dan Gilmore)*

• **PARKING METERS.** Eliminating meters altogether is a possibility (the unsightly beasts). Some towns have switched to a parking "honor system," ticketing after 2 hours; and some have simply raised sales tax slightly to make up for the lost revenue. *(Elise Johnson-Schmidt)*

• **PLANTERS AND POTS.** Flowers are best planted around tree bases (that way, planters are not even necessary.) *(Norman Mintz)* Use window boxes or hang planters from lighting standards. Flowers in moveable planters are easier to maintain than plantings in median strips. *(Janice Pregliasco)* Terra cotta

New Orleans' Magazine St., a busy and vibrant shopping area, suffers visually from the clutter of overhead electrical lines. *(Photo: Gaines Jontz, SCDDA)*

and cast concrete pots are heavy, so they won't get carried off.

• **PUBLIC RELATIONS.** Consider merchant and property owner "buy-ins" and incentives. Make construction easy on shopkeepers with temporary sidewalks, special promotions, weekly meetings to discuss construction schedules and completion dates. Improvements may be done one block at a time or one side of the street at a time to minimize disruption of business. *(Jeff Eichenfield)*

• **REAR OF BUILDINGS.** Should be considered as part of design, as many people can/do enter from the back of the store. The rear entrance, though, should not compete with the front (or made to look like it is anything other than a back entrance). *(Richard Wagner)*

• **REST ROOMS.** Although unsightly, for security reasons they should be situated in a high-traffic area and modeled in an open maze-style, rather than all closed up, like a fortress. Rest rooms are the "highest-ticket" maintenance component (and they invite vagrants). Careful planning is a must. *(Betsy Jackson)*

• **SIDEWALKS/WALKWAYS.** In selecting materials, factor in (1) ease of maintenance (concrete is relatively inexpensive and easy to patch; brick is higher maintenance); and (2) what's easy on the feet (bluestone, for example is not, but it's laid in a sand base and is easy to repair.) Well-placed walkways make for good texture. Curbing is a good mask for electrical lines and irrigation and needs only to be lifted for repairs. *(Jeff Eichenfield)*

• **SIGNAGE.** Check sign ordinances first. Signs can be flush mounted or projecting (just watch proportion and scale.) Rule of thumb: Use one major sign per storefront. Think of signs as elements used to "visually enliven the downtown." *(Gaines Jontz)*

• **TELEPHONES.** Mounted telephones are more secure than booths; "phone-out only" and rotary phones discourage illicit usage. *(Betsy Jackson)*

• **TEXTURE.** Ironwork, low brick walls, fences, plantings, architectural details, sculpture, fountains, and paving patterns all add texture. *(Gaines Jontz)*

"Try to keep aesthetics and preservation hand in hand." - *Elise Johnson-Schmidt*

• **TOURIST ATTRACTIONS.** Find something inherent in the history or heritage of the town that can be maximized and used for public appeal (some examples: Cotton gin, grist mill, stockyards, theater, landmark billboard, etc.). *(Ben Boozer)*

• **TREES.** Should NOT be used to cover up buildings, rather as an accent, placed at the party wall. They should be pruned every winter (keep them lacy), so they don't block store windows, signage, or come between pedestrian and store. *(Janice Pregliasco)* Punctuate with trees; space them in clusters near natural gathering places (pocket parks, county courthouses), rather than evenly along the street. Plantings can also be used to soften the edges of a parking lot (be aware of security issues here regarding heights and density.) *(Gaines Jontz)*

• **TWO PLANES ADJOIN.** Make the storefront part of the sidewalk; after all, it's the junction of two planes, vertical and horizontal. Merchandise can spill out onto the sidewalk, which brings additional life and color onto the streetscape. *(Norman Mintz)*

• **YOUTH CENTERS.** Good solution for vacant properties and give some teens an alternative to cruising, carousing, and drinking. *(Sharon Green)*

This article could not have been written without generous assistance from the following people: ***Dan Gilmore,*** *Criminal Justice Programs Bureau, Tallahassee, Fla. (914) 487-3712;* ***Jeff Eichenfield,*** *The National Trust for Historic Preservation, Washington, D.C. (202) 673-4046;* ***Steve Farneth,*** *Architectural Resources Group, San Francisco, CA (415) 421-1680;* ***Sharon Green,*** *Gaffney Main Street, Gaffney, S.C. (803) 489-4443;* ***Richard Hersey,*** *Catskill Center for Conservation & Development, Arkville, NY (914) 586-1960;* ***Betsy Jackson,*** *The National Trust's National Main St. Center, Washington, D.C. (202) 673-4219;* ***Elise Johnson-Schmidt,*** *Market St. Restoration Agency, Corning, NY (607) 937-5427;* ***Gaines Jontz and Ben Boozer,*** *South Carolina Downtown Development Association, Columbia, S.C. (803) 256-3560;* ***Norman Mintz,*** *Norman Mintz Design Associates, Brooklyn, NY (718) 768-8149;* ***Janice Pregliasco,*** *Terra Design Group, Mill Valley, CA (415) 383-0968;* ***Lise Sundrla,*** *Beaufort Main Street, Beaufort, S.C. (803) 525-6644;* ***Kennedy Smith,*** *The National Trust's National Main Street Center, Washington, D.C. (202) 673-4219;* ***Richard Wagner,*** *David H. Gleason Associates, Baltimore, MD (410) 728-1810.* ■

The National Trust for Historic Preservation's National Main Street Center

Founded in 1980, and based on a successful Midwestern pilot program, the National Main Street Center was designed to encourage small cities to preserve and revitalize their traditional commercial districts. Fourteen years later, the Center now works in communities of all sizes, maintaining programs in 36 states (including 900 towns and cities). It has generated more than $3.6 billion in physical improvements and produced over 33,000 new businesses and 83,000 new jobs. Most of the Center's work is technical assistance, that is, spending time one-on-one with communities. Other Center offerings include training materials, a training and certification program, a membership program, and a telephone information service.

The Center contracts with individual communities, based on an assessment visit. Moreover, it works with communities selected through annual competitions held by state and regional Main Street Programs. The communities selected are expected to have a cohesive core of traditional and/or historic buildings, public and private sectors actively involved, broad-based community support, a long-term commitment (3-5 years) to the revitalization, and a history of risk-taking. Once a community is selected, the Center commences with a reconnaissance visit, training, helping with goals and objectives, strategic planning, a resource visit, annual evaluations, and problem-specific solutions.

Individual Main Street Programs' annual budgets average about $60-80,000, which covers the salary of a full-time manager, project expenses, and office overhead. (Contracts with the Center are additional.) For more information, or a free copy of "Miracle on Main Street: Help for Historic Commercial Areas," call the Center at (202) 673-4219.

Downtown Design Guidelines

Janice Pregliasco's "Developing Downtown Design Guidelines" was written for the California Main Street Program "to de-mystify the process of developing clear and workable design guidelines for new and existing buildings in commercial downtown areas." Chapters include "Getting Started," "Inventory," "Writing the Guidelines," "Illustrating Guidelines," and "Evolution." They are followed by step-by-step summaries for each. Illustrative photographs, drawings, a project time line, and bibliography all make this directory an extremely practical sourcebook. "Guidelines" sells for $6.50. For a copy, please contact California Main Street, 801 K St., Suite 1700, Sacramento, CA 95814 (916) 322-3520.

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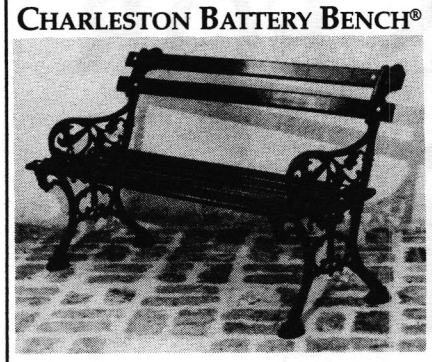

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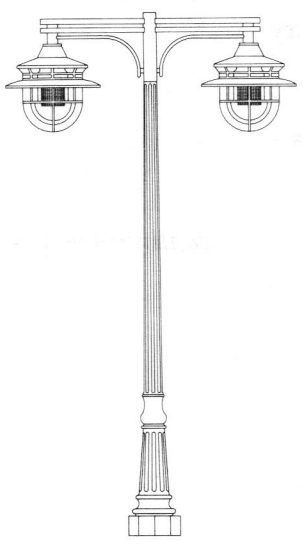

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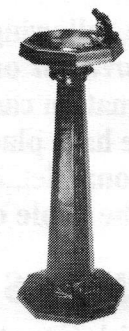

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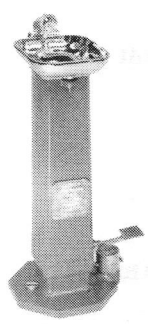

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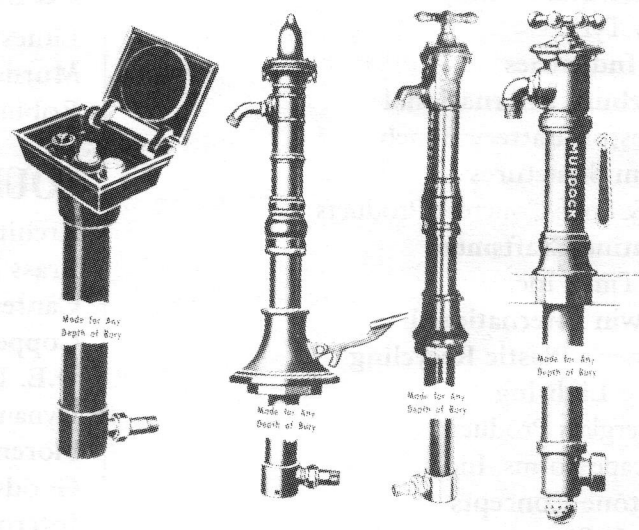
post & flush
box type



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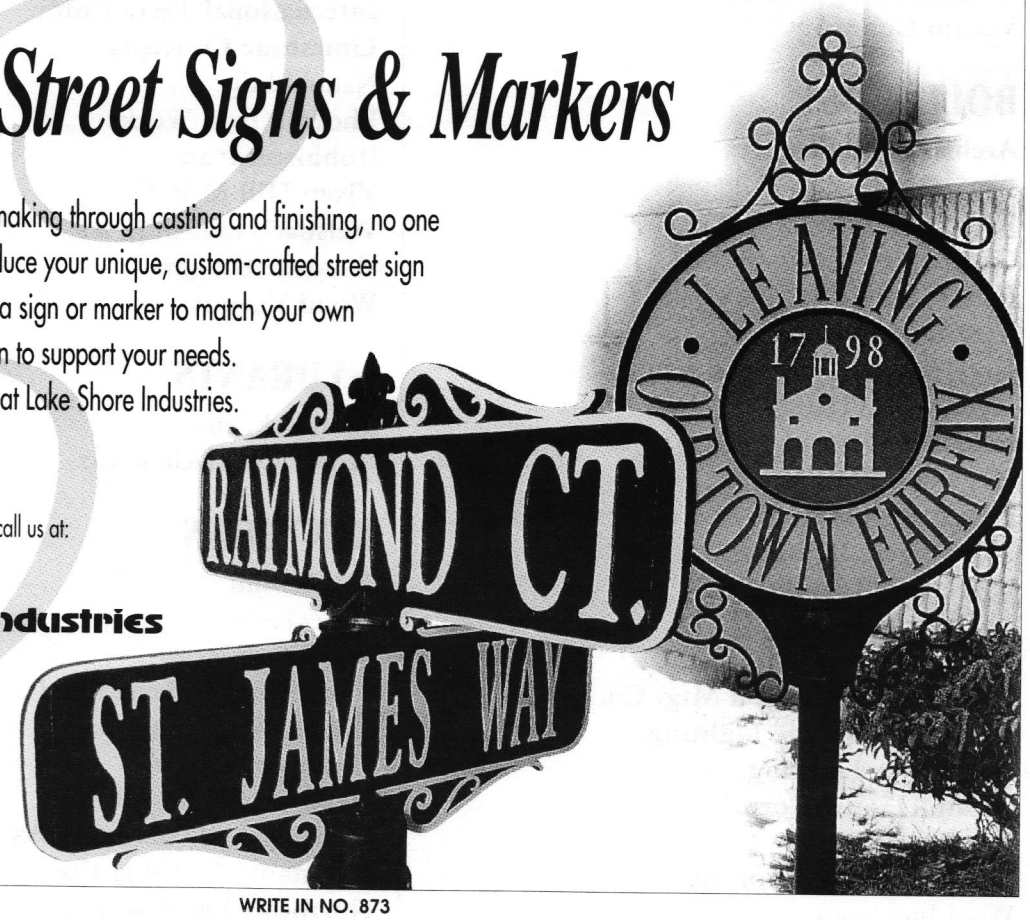

WRITE IN NO. 873

INDEX TO PRODUCTS FOR Street Furnishings & Fixtures

The following companies are listed on the *SourceList* on pp. 20-24, where contact information can be found. Companies in bold type have placed ads you can consult for additional detail. (Page numbers can be found in the Table of Contents on pp. 3 & 4.)

BENCHES

Amish Country Gazebos
Architectural Pottery
Barlow Tyrie
Blake Industries
Canterbury International
Charleston Battery Bench
Custom Structures
Doty & Sons Concrete Products
Florentine Craftsmen
Game Time, Inc.
Goodwin International
Hammer's Plastic Recycling
Herwig Lighting
KI Fiberglass Products
Landscape Forms, Inc.
Limestone Concepts
Lynch & Sons
Magnalite Systems
Natural Edge
Phoenix Iron Works
Robinson Iron
Sitecraft
Stone Forest
Trystan Products
Wausau Tile, Inc.
Windsor Designs

BELLS & CARILLONS

Brosamer's Bells
Elderhorst-Bells, Inc.
Schulmerich Carillons
Verdin Company

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Blake Industries
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Classic Architectural Specialties
Custom Structures
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Hammer's Plastic Recycling
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Herwig Lighting
Leitelt Brothers
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Newstamp Lighting Co.
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Spring City Electrical Mfg. Co.
Sternberg Vintage Lighting
Sun Valley Lighting
TrimbleHouse Corp.
Trystan Products
Union Metal Corporation
Ward Industries
Wausau Tile, Inc.
Welsbach Lighting, Inc.

FLAGPOLES

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HAPCO
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Limestone Concepts
Lynch & Sons
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Canterbury International
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Hanover Lantern
Herwig Lighting
Lighting by Hammerworks
Newstamp Lighting Co.
Northeast Lantern, Ltd.
Rejuvenation Lamp & Fixture
Saltbox
Spring City Electrical Mfg. Co.
Stone Forest
Sun Valley Lighting
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Union Metal Corporation
Vulcan Supply
Ward Industries
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MAILBOXES

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Architectural Pottery
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continued on page 20

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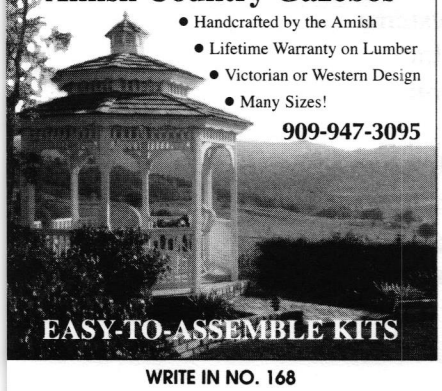

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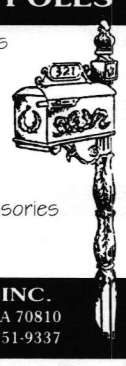

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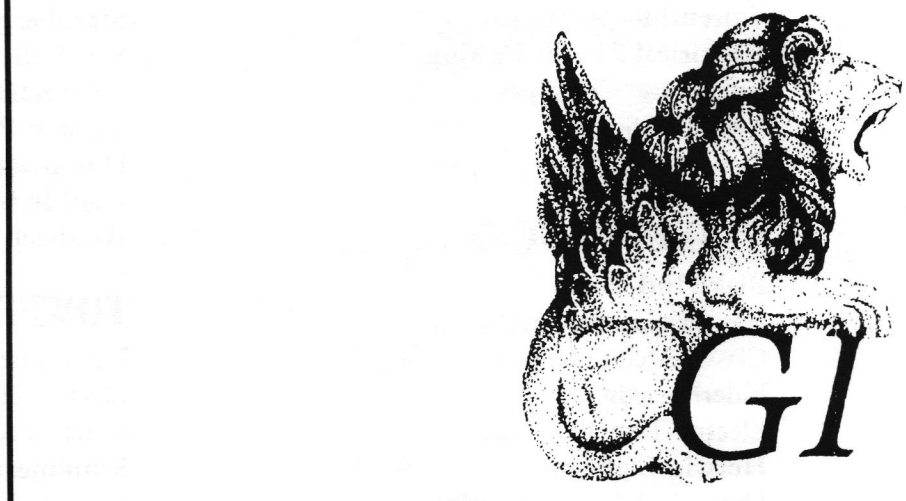

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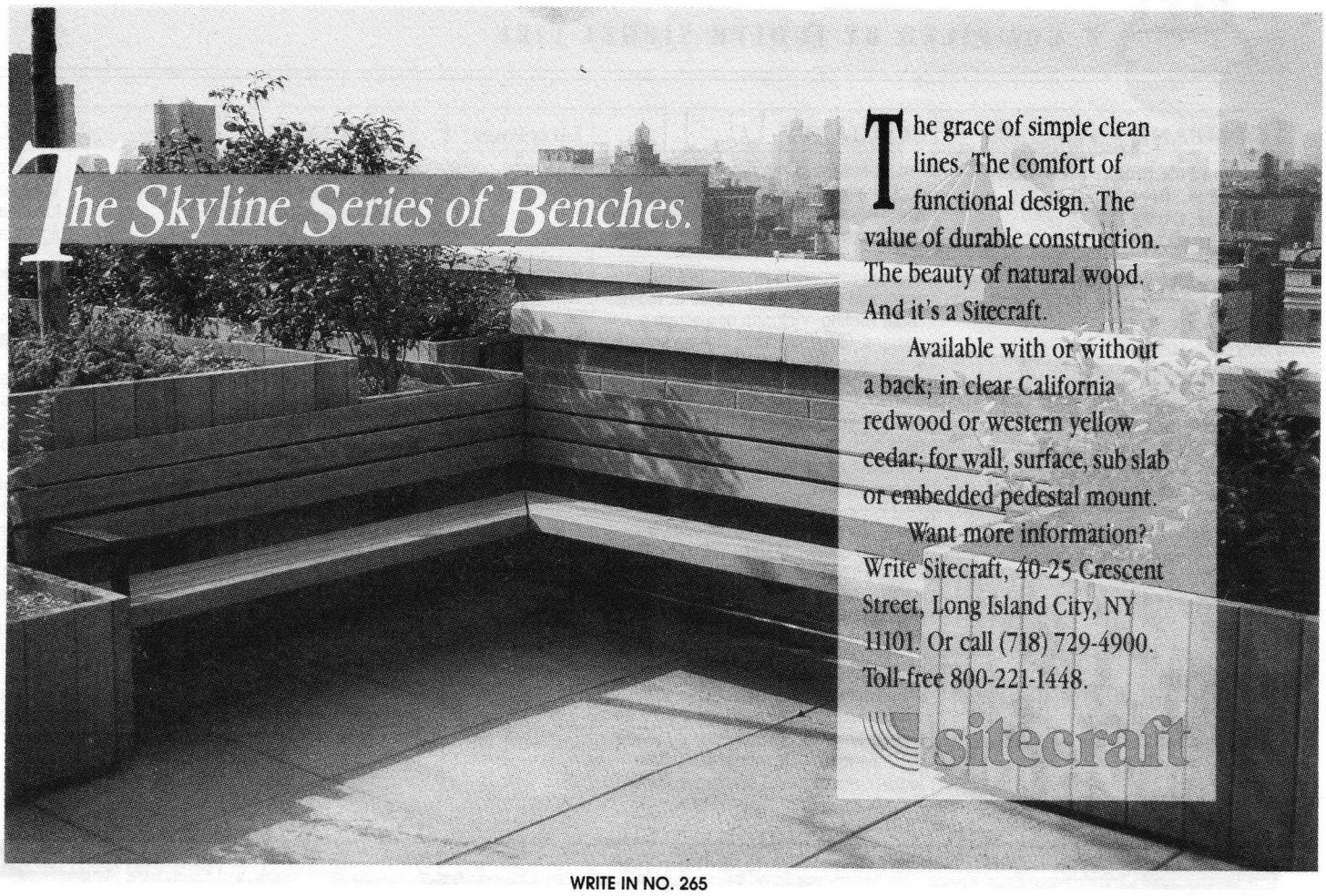

WRITE IN NO. 265

Planters & Urns
continued from page 18

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STATUARY & MONUMENTS

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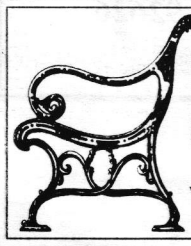

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Architectural Pottery **15161 Van Buren, Dept. TB** **Midway City, CA 92665** **714-895-3359**	Imports works of art in sandstone and terra cotta from Italy and Greece, and manufactures site amenities; custom pieces done.	Free *Write in No. 2*
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Barlow Tyrie **1263 Glen Ave., Ste. 230, Dept. TB** **Moorestown, NJ 08057** **609-273-7878**	Company specializes in traditionally styled all-weather teak benches, tree seats, chairs, tables, and umbrellas, as well as planters. All products are made in England from Javanese plantation lumber, and are well stocked in the US.	Free

COMPANY	SPECIALTY	Literature
Bega/FS **1005 Mark Ave., Dept. TB** **Carpinteria, CA 93103** **805-684-0533**	Highly designed exterior lighting fixtures: Wall, recessed, and downlight luminaires; pendants; bollards; pole-top lights; and more.	Free
Best Sign **1202 N. Park Ave., Dept. TB** **Montrose, CO 81401** **800-235-2378, 303-249-2378**	Architectural and landscape signage: "Graphic Blast" process carving into stone, wood, tile, and most man-made materials.	Free
Blake Industries **P.O. Box 155, Dept. TB** **Abington, MA 02351** **617-337-8772**	Manufacturers and distributors of site amenities, including cast-metal light fixtures, seating, clocks, and custom playground equipment.	Free *Write in No. 216*
Bose Associates **526 Jean Lafitte Ave., Dept. TB** **Baton Rouge, LA 70810** **504-751-5701**	Specializes in individually sand-cast aluminum letter boxes and poles. Exclusive period designs, as well as custom 'neighborhood' and logo designs available. Also: House numbers and door hardware.	Free *Write in No. 488*
Brandon Industries **4419 Westgrove Dr., Dept. TB** **Dallas, TX 75248** **214-250-0456**	Manufacturer and distributor of traditionally styled lighting fixtures, including aluminum lampposts, wall lights, deck lights, and cast-aluminum mailboxes.	Free *Write in No. 340*

For an alphabetical Index to the products supplied by these companies, see pp. 18-20.

Evaluated... Specified... Remembered

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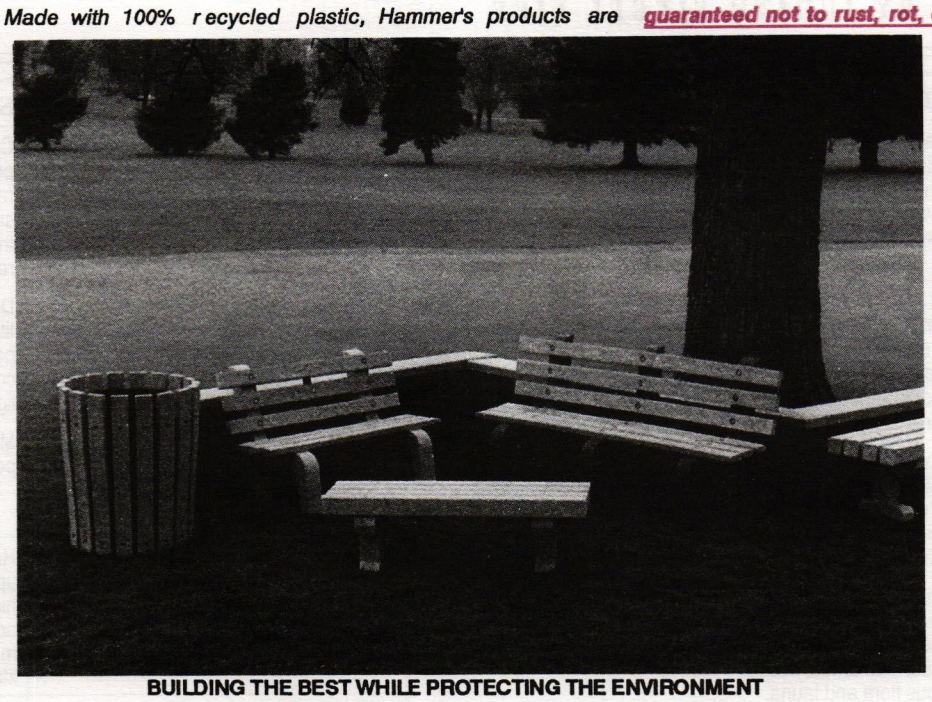

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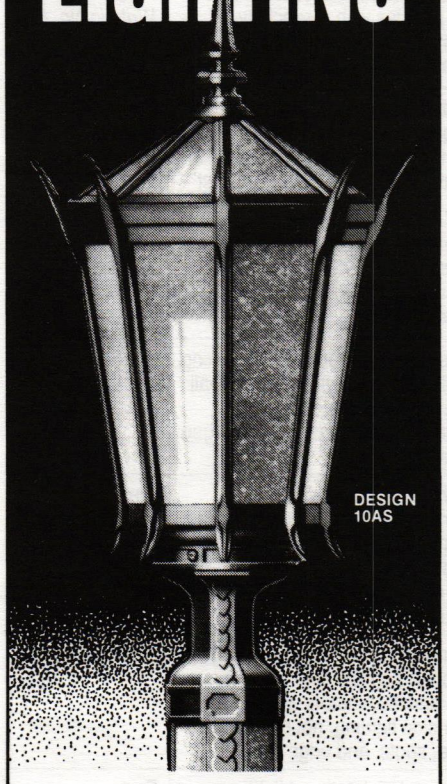

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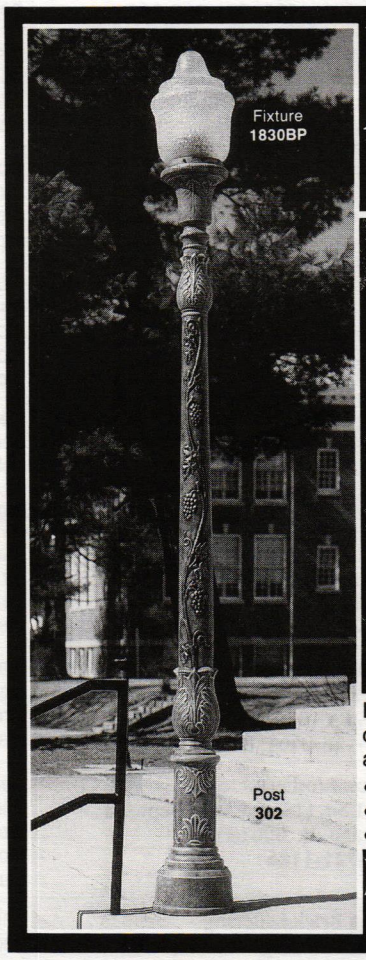

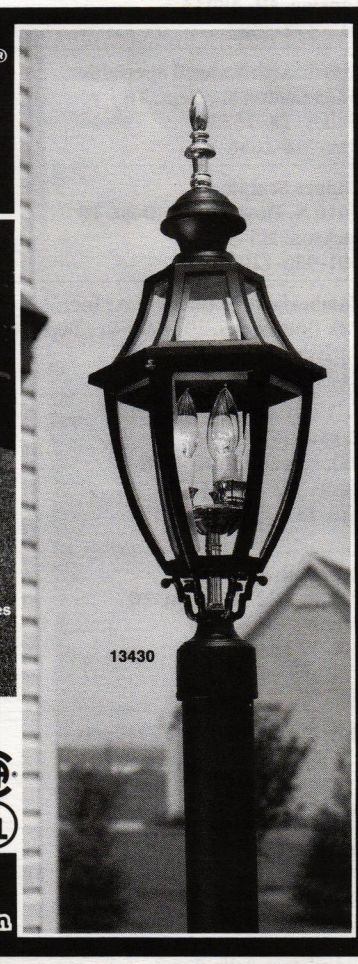

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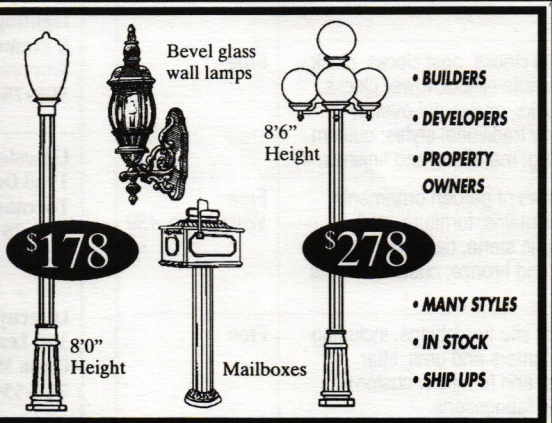

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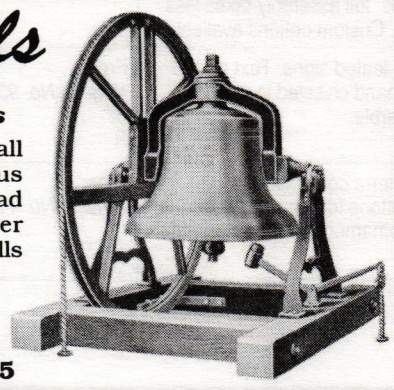

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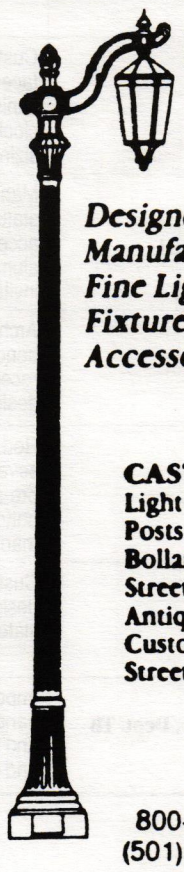

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COMPANY	SPECIALTY	Literature
Brass Baron **10151 Pacific Mesa Blvd., #104** **San Diego, CA 92121** **800-536-0987**	Company offers brass fountains and garden statuary with verdigris or bronze patina finishes individually cast in the lost-wax method, including swans, frogs, ducks, fish, cranes, as well as near life-size sculptures.	Free *Write in No. 20*
Brosamer's Bells **207 Irwin St., Dept. TB** **Brooklyn, MI 49230** **517-592-9030**	This antique shop specializes in bells: From a 3,000 lb.-er, 53 in. dia., to a c.1769 bell from a Japanese Buddhist temple. Current stock totals over 20,000 lbs. of farm, train, school, plantation, fire engine, and church bells.	Free *Write in No. 713*
Canterbury International **5632 W. Washington Blvd., Dept. TB** **Los Angeles, CA 90016** **213-936-7111**	Major design/manufacturer of architectural site furnishings: Benches, tree grates, street clocks, street lighting, fencing, custom castings, and much more.	Free *Write in No. 343*
Charleston Battery Bench **191 King St., Dept. TB** **Charleston, SC 29401** **803-722-3842**	Exclusive manufacturer of the Charleston Battery Bench, a cast-iron and cypress Victorian bench, designed c.1880. The ornate casting includes various flora and fauna.	Free *Write in No. 26*
City Visions/Heritage Garden Houses **311 Seymour St., Dept. TB** **Lansing, MI 48933** **517-372-3385**	Manufacturers of Heritage Garden Houses in 15 historic designs. Components may be ordered for other uses.	Free *Write in No. 903*
Classic Architectural Specialties **3223 Canton St., Dept. TB** **Dallas, TX 75226** **214-748-1668**	Full-service supplier of architectural components. Furnishes complete packages for period commercial exteriors, from millwork to street lighting.	Free
Copper Sculptures **1016 N. Flowood Dr., Dept. TB** **Jackson, MS 39208** **601-936-4200**	Company offers finely handcrafted copper lanterns, mailboxes, posts, and metal furniture.	Free *Write in No. 30*
Cumberland Woodcraft Co., Inc. **P.O. Drawer 609, 10 Stover Dr., Dept. TB** **Carlisle, PA 17013** **717-243-0063**	Complete line of Victorian and other period millwork, carvings, fixtures, decorative treatments, carvings, turnings, brackets, fretwork, gazebos, and more.	Free *Write in No. 131*
Custom Structures **P.O. Box 1888, Dept. TB** **Butler, PA 16003** **412-282-2712**	Manufacturers and designers of high-end traditional (and contemporary) site furniture, including benches, trash receptacles, planters, bollards, ash urns, and more.	Free *Write in No. 339*
D.E. Dodroe Co. **P.O. Box 22331, Dept. TB** **Seattle, WA 98122** **206-722-6481**	State-of-the-art concrete technology combined with flexible molds to produce original sculpture, ornamental designs, and architectural elements that will withstand severe climate conditions; repros of terra cotta and plaster works.	Free *Write in No. 601*
Doty & Sons Concrete Products **1275 E. State Street, Dept. TB** **Sycamore, IL 60178** **800-233-3907, 815-895-2884**	Concrete trash receptacles in over 20 styles, recycling receptacles, 17 styles of benches, 40 styles and sizes of planters, and bollards; custom designs.	Free
Dynamic Fountains, Inc. **4373 Shallowford Ind. Pkwy., Dept. TB** **Marietta, GA 30066** **404-591-5355**	Specialists in custom architectural water-fountain design, engineering, system fabrication, programming, lighting layout, and personnel training.	Free
Elderhorst-Bells, Inc. **875 Gravel Pike, Dept. TB** **Palm, PA 18070** **215-679-3264**	Manufacturers of tower clocks, street clocks, post clocks, and bell towers.	Free
Electric Time Co., Inc. **45 West St., Dept. TB** **Medfield, MA 02052** **508-359-4396**	Custom-built clocks, post clocks, clock faces, silhouette clocks, tower clocks, canister clocks, and metal-overlay clocks. Many traditional styles; custom sizing, styling, materials, and finishes.	Free
Florentine Craftsmen **46-24 28th St., Dept. TB** **Long Island City, NY 11101** **718-937-7632**	Manufacturers of garden ornaments, statuary, fountains, furniture, and accessories in stone, cast iron, lead, aluminum, and bronze; custom work is invited.	Free *Write in No. 439*
Game Time, Inc. **P.O. Box 121, Dept. TB** **Fort Payne, AL 35967** **205-845-5610**	Architectural site furnishings, including benches, planters and urns, litter receptacles, and furniture; custom designs and fabrications.	Free
Gazebo Woodcrafters **P.O. Box 187, Dept. TB** **Bellingham, WA 98227** **206-734-0463**	Red cedar octagonal gazebo kits in several sizes and styles. Kit comes with pre-assembled roof sections and top and bottom panels; full assembly takes less than 2 hours. Custom options available.	Free *Write in No. 533*
Geer & Co. **Rt. 22A, Dept. TB** **Bridport, VT 05734** **800-545-6677**	Custom gold-leafed signs. Text and designs are hand chiseled in wood, slate, and marble.	Free *Write in No. 933*
Goodwin International **2915 Redhill Ave. #D101, Dept. TB** **Costa Mesa, CA 92626** **714-241-0942**	Importers of terra cotta planters, handcarved stone fountains, statues, and marble ornament; custom designs and finishes.	Free *Write in No. 416*

COMPANY	SPECIALTY	Literature
Hammer's Plastic Recycling **R.R. 3, Box 182, Hwy. 20&65N, Dept. TB** **Iowa Falls, IA 50126** **800-538-1438, 515-648-5073**	Company offers a line of landscaping products and "lumber" made from recycled plastic. All products are UV stabilized and will not splinter or rot — from benches and tables to trash receptacles and colored car stops.	Free *Write in No. 239*
Hanover Lantern **470 High St., Dept. TB** **Hanover, PA 17331** **717-632-6464**	Design-manufacturers of cast titanium/aluminum lighting fixtures, poles, bollards, and accessories for commercial, residential, and landscape lighting applications.	Free *Write in No. 344*
HAPCO **P.O. Box 547, Dept. TB** **Abingdon, VA 24210** **703-628-7171**	Manufacturers of spun-aluminum lighting poles and flagpoles.	Free
Hennessy House **P.O. Box 57, Dept. TB** **Sierra City, CA 96125** **800-285-2122, 916-862-0125**	Handmade, old-style wooden flag poles up to 40 ft. Unique construction gives high tensile strength and light weight. All accessories. Poles lower for maintenance; professional discount; lifetime guarantee; shipping nationwide.	Free *Write in No. 118*
Herwig Lighting **P.O. Box 768, Dept. TB** **Russellville, AR 72801** **800-643-9523, 501-968-2621**	Custom and stock manufacturers of cast aluminum lighting fixtures and streetscape products, such as clocks, bollards, benches, etc.	Free *Write in No. 913*
Historical Arts & Casting **5580 W. Bagley Park Rd., Dept. TB** **West Jordan, UT 84088** **801-569-2400**	Expertly crafted bronze, aluminum, and iron fabrication of lighting fixtures, planters, fountains, fences, bridges, railings, and more.	Free *Write in No. 121*
International Terra Cotta **690 N. Robertson Blvd., Dept. TB** **Los Angeles, CA 90069** **310-657-3752**	Company offers imported terra cotta products, custom-carved sandstone, bronze fountains, and fiberglass reproduction work.	Free *Write in No. 71*
KI **P.O. Box 8100, Dept. TB** **Green Bay, WI 54308** **414-468-8100**	Fiberglass benches, planters, urns, and trash receptacles in 49 standard colors, including solids, terra cotta, textured stone, and granite finishes; custom modifications possible.	Free
King Luminaire Co., Inc. **P.O. Box 266, Dept. TB** **Jefferson, OH 44047** **800-268-7809**	Period lighting fixtures with cast ductile iron poles, and decorative concrete poles and bollards in a variety of colors. Acorn luminaires are available in polycarbonate or acrylic.	Free *Write in No. 341*
Landscape Forms, Inc. **431 Lawndale Ave., Dept. TB** **Kalamazoo, MI 49001** **800-521-2546, 616-381-0396**	Manufacturers of commercial furniture for exterior use. Also, benches, ash urns, and trash receptacles in wood, metal, recycled plastic, and hardwoods.	Free
Lake Shore Industries **P.O. Box 59, Dept. TB** **Erie, PA 16512** **800-458-0463, 814-456-4277**	Manufacturers of custom cast-aluminum signs and plaques with a specialty in street signs, town seals, historical markers, and custom work.	Free *Write in No. 873*
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Lewin Brick Lettering **2218 Dixie Highway, Dept. TB** **Fort Mitchell, KY 41017** **606-331-1340**	This company engraves special pavers and brick specifically designed for inscribing names for walkways and fundraisers.	Free *Write in No. 277*
Lighting by Hammerworks **6 Fremont St., Dept. TB** **Worcester, MA 01603** **508-755-3434**	Handmade Colonial reproduction lighting fixtures: Chandeliers, wall sconces, wall lanterns & post lanterns, made in copper, brass, and tin. Also, hand-forged door hardware.	Send $3 for catalog
Limestone Concepts **1948 Del Amo Blvd., Unit C, Dept. TB** **Torrance, CA 90501** **310-787-1661**	Offers fabrication of limestone architectural pieces carved in the French tradition, from Gothic to contemporary styles. Products include: Fireplaces, fountains, columns, moldings, benches, balusters, statuary, and more.	Free *Write in No. 539*
Lumenyte International, Corp. **350 Lear Ave., Dept. TB** **Costa Mesa, CA 92626** **714-556-6655**	Manufacturers and distributors of large diameter plastic optical fiber (from 3 mm to 19 mm) and illuminators. Fibers used as point or side lighting, not unlike neon, for signage, spots, and edge lighting.	Free
Lumiere Design & Manufacturing **31360 Via Collinas #101, Dept. TB** **Westlake Village, CA 91362** **818-991-2211**	Landscape and architectural lighting, including path and border lights, wall, accent, and well lights, and a "Pebble" fixture, created with the natural appearance of a decorative garden stone.	Free
Lynch & Sons **Box 488, 84 Danbury Rd., Dept. TB** **Wilton, CT 06897** **203-762-8363**	Top-of-the-line fabricators with an extensive catalog of garden ornaments, site furniture (full park-bench manufacturing capabilities), weather-vanes, gazebos, fountains, and more in cast stone, bronze, copper, lead, and stainless steel.	Free *Write in No. 777*
Magnalite Systems **2900 Lockheed Way, Dept. TB** **Carson City, NV 89706** **702-883-8300**	Architectural site furnishings, including planters, urns, columns and column covers, and fountains in glass-fiber reinforced cement and proprietary aggregate; large variety of finishes and textures.	Free *Write in No. 585*

For an alphabetical Index to the products supplied by these companies, see pp. 18-20.

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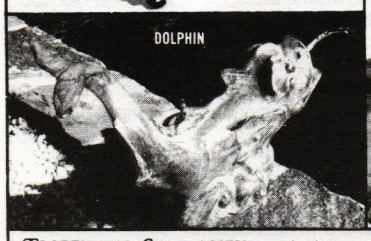

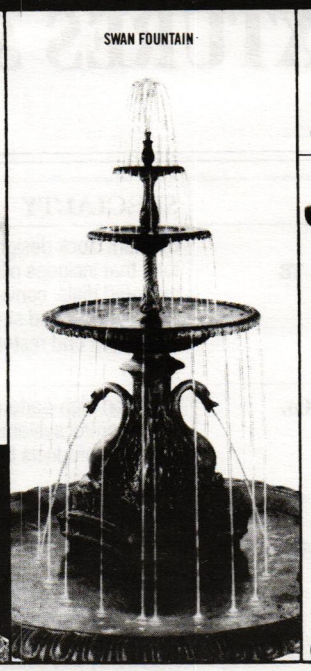

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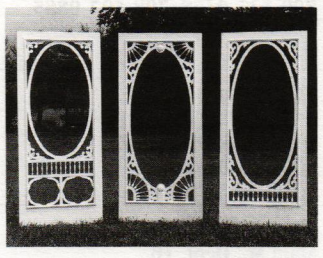

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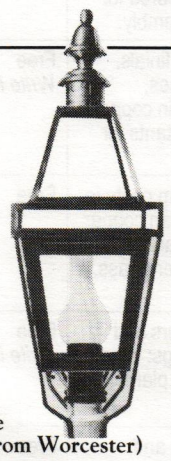

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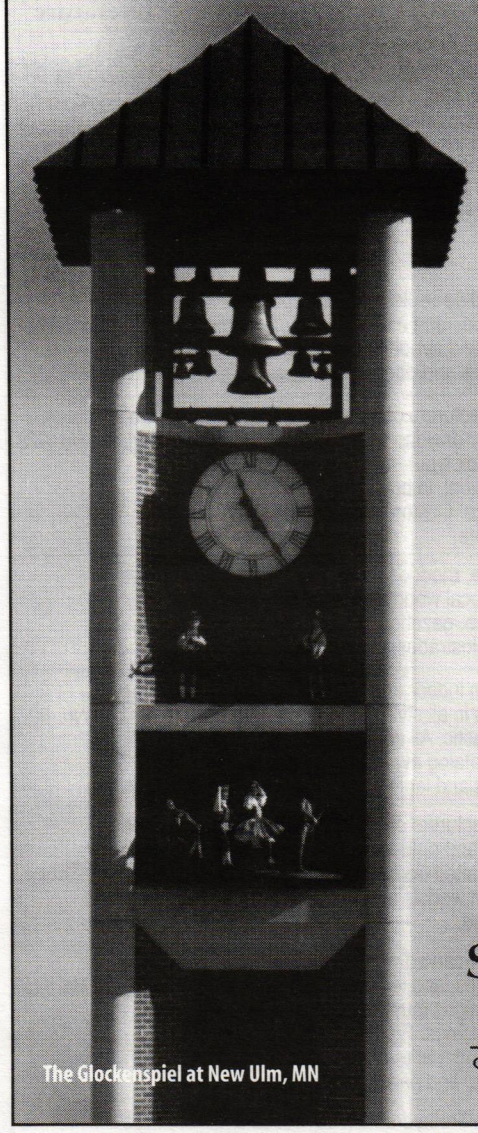

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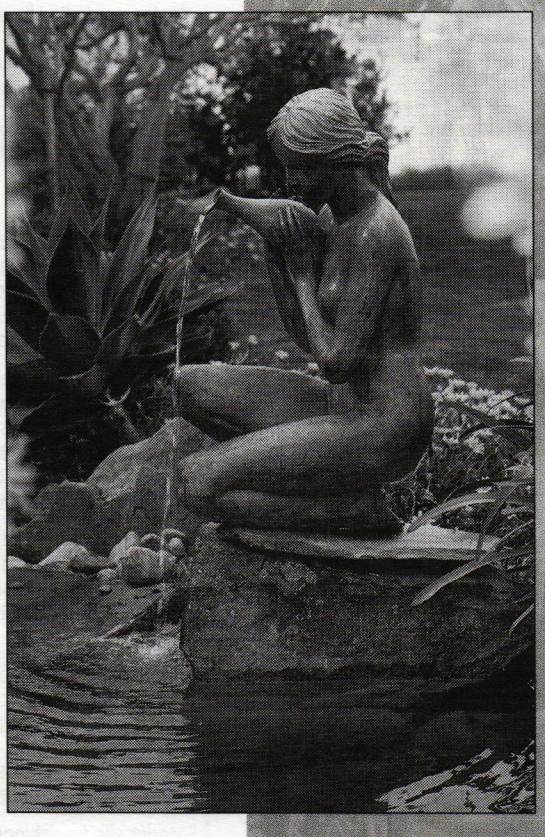
WRITE IN NO. 260

Garden Elegance

- **Fountains**
- **Sculptures**



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WRITE IN NO. 20

TRADITIONAL BUILDING's STREET FURNISHINGS & FIXTURES *SourceList*

CSI# 02800

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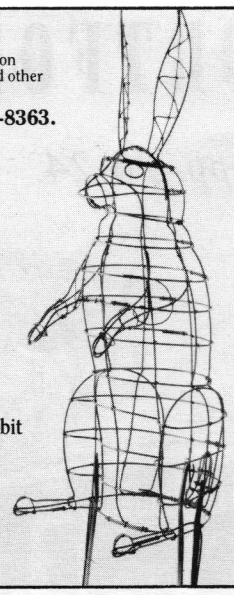
COMPANY	SPECIALTY	Literature
Mainstreet Lighting Standards **1021 Industrial Pkwy., Dept. TB** **Medina, OH 44256** **216-723-4431**	Specialists in fiberglass and aluminum ornamental lamp posts with fluted and tapered shafts and multiple luminaires. Also, aluminum bollards and other lighting fixtures.	Free *Write in No. 98*
McKinley Tree Grate Co., Inc. **P.O. Box 790, Dept. TB** **Fort Worth, TX 76101** **800-433-2303, 817-335-1268**	Four styles of cast-iron, cast-aluminum, and cast-bronze tree grates with steel frame.	Free
Mitchell & Bosworth Clockmakers **28 Columbus Ave., Dept. TB** **Concord, NH 03301** **603-225-8065**	This 50-year-old company specializes in the repair and maintenance of historic tower and street clocks. Also sells antiques and does installations.	Free
Murdock, Inc. **2488 River Rd., Dept. TB** **Cincinnati, OH 45204** **513-471-7700**	Manufacturers of a complete line of outdoor drinking fountains (post and flush box type), hydrants, and shower equipment, in brass, iron, and stainless castings. Custom work and finishes available.	Free *Write in No. 378*
Natural Edge **106 E. Delaware Ave., Dept. TB** **Pennington, NJ 08534** **609-737-8996**	Orange, rhododendron, red cedar, and other local woods transformed into rustic furniture, gazebos, arbors, bandstands, and balustrades.	Free
Newstamp Lighting Co. **P.O. Box 189, Dept. TB** **North Easton, MA 02356** **508-238-7071**	Custom indoor and outdoor lighting fixtures in all styles from metal, glass, and plastic. All energy sources, including gas. Catalog available in Colonial-style fixtures and lanterns.	Free *Write in No. 80*
Northeast Lantern, Ltd. **16 Kingston Rd., #11, Dept. TB** **Exeter, NH 03833** **603-778-2468**	Manufacturers of colonial reproduction, indoor and outdoor lighting fixtures handcrafted from solid brass or copper. Custom work is available; all fixtures are UL listed.	Free
Northroad and Company **Wood Sign Products** **P.O. Box 976, Dept. TB** **Groton, MA 01450** **800-448-6420**	Custom-carved wood signs, sign programs, and lettering applications where signs must harmonize with surroundings. From individual street signs and markers to entire corporate, campus, and park sign programs.	Free *Write in No. 119*
Penn-Troy Machine Co. **650 Railroad St., Dept. TB** **Troy, PA 16947** **717-297-2125**	Vintage fire hydrants (R.D. Wood & Mathews); also, repairs and parts. No excavation is necessary; ideal for historic districts.	Free
Phoenix Iron Works **P.O. Box 24123, Dept. TB** **Oakland, CA 94623** **510-465-9900**	Ironwork capabilities have included such projects as decorative light posts lining Market St. in San Francisco and U.C. Berkeley and park benches for the campus, too.	Free *Write in No. 604*
Planter Technology **999 Independence Ave., #E, Dept. TB** **Mountain View, CA 94043** **415-962-8982**	Manufacturers of an automatic watering planter, controlled by a moisture sensor (up to 6 wks. between fillings). Free-standing ornamental units and linear drop in; interior and exterior use.	Free
Pyro Media, Inc. **7911 Tenth Ave. S., Dept. TB** **Seattle, WA 98108** **206-763-7020**	Many styles of glazed ceramic planters (some with saucers) in 37 colors.	Free
Rejuvenation Lamp & Fixture **1100 S.E. Grand Ave., Dept. TB** **Portland, OR 97214** **503-231-1900**	Manufacturers of Victorian and early 20th century solid brass lighting. Many gas-style fixtures and combination gas-electric styles; custom capabilities. Exterior sconces and porch lighting.	Free *Write in No. 763*
Robinson Iron **P.O. Box 1119, Dept. TB** **Alexander City, AL 35010** **205-329-8486**	Major cast-iron restoration and supply firm that has built or recreated fences and gates for historic sites, as well as new construction. Extensive collection of historic patterns for casting, as well as reference for custom work.	Free *Write in No. 324*
Saltbox **500-B State St., Dept. TB** **Greensboro, NC 27405** **910-273-8758**	Handcrafted reproduction street lights, lanterns, sconces, and garden lighting in copper, verdigris, brass, tin, and painted finishes made for electric, gas, or candle; custom work.	Free *Write in No. 355*
Schulmerich Carillons **Carillon Hill, Dept. TB** **Sellersville, PA 18960** **800-772-3557**	Supplies cast bronze bells, electronic carillons, towers and tower clocks, specialty clocks, cupolas, automatic bell ringers, glockenspiels, and animated figures for towns, malls, churches, schools, etc. Clock and bell restoration.	Free *Write in No. 260*
Sitecraft **40-25 Crescent St., Dept. TB** **Long Island City, NY 11101** **800-221-1448, 718-729-4900**	Exterior site furnishings in redwood, cedar, and other fine exterior woods; custom exterior finishes available.	Free *Write in No. 265*
J.P. Smith Company **20 Baldwin Drive, Dept. TB** **Branford, CT 06405** **203-488-7225**	Norwich square mesh tapered litter baskets in 46, 35, 25, or 15 gallon sizes. Features include heavy-gauge woven wire construction, sheet-metal pan with drainage, vertical braces; can be nested.	Free
Smith-Cornell/Alloy Founders **1545 Holland Rd., Ste. O, Dept. TB** **Maumee, OH 43537** **800-325-0248**	Cast-bronze and aluminum plaques; interpretive markers for National Register and other landmark properties; custom plaques for historic properties, awards, and memorials.	Free *Write in No. 46*
Smith of Derby **14 John Poulter Rd., Dept. TB** **Lexington, MA 02173** **617-235-0391**	Eminent clock designers have a repertoire that includes pillar clocks, wall-mounted dials, convex dials, floral clocks, tower and steeple clocks; also, fabrication and restoration of antique clocks.	Free *Write in No. 214*
Spring City Electrical Mfg. Co. **P.O. Box 19, Dept. TB** **Spring City, PA 19475** **215-948-4000**	Cast iron high-performance lighting and traffic control systems from custom designed products to historic reproductions.	Free *Write in No. 103*
Sternberg Vintage Lighting **5801 N. Tripp Avenue, Dept. TB** **Chicago, IL 60646** **312-478-4777**	Vintage style cast-aluminum fixtures (with energy-efficient HID lamping) and ornamental poles for streets, parks, plazas, and other public places.	Free *Write in No. 674*
Stone Forest **P.O. Box 2840, Dept. TB** **Santa Fe, NM 87504** **505-986-8883**	Creates hand-carved granite garden ornaments and sculpture which combine Japanese and western design elements. Also, fountains and lanterns.	Free
Sun Valley Lighting **7900 Clybourn Avenue, Dept. TB** **Sun Valley, CA 91352** **818-767-3031**	Manufactures an extensive line of standard and custom cast aluminum lighting poles and fixtures in all period styles. Staff of designers, engineers, tool makers — plus an in-house foundry — permits fast delivery of custom jobs.	Free *Write in No. 526*
TrimbleHouse Corp. **4658 S. Old Peachtree Rd., Dept. TB** **Norcross, GA 30071** **800-241-4317, 404-448-1972**	Manufacturers of a complete line of period electric and gas outdoor lighting fixtures, ornamental lighting standards, bollards, handmade copper and brass lanterns, fluted poles, acorn globes, and more.	Free *Write in No. 105*
Trystan **68 Swan St., Dept. TB** **Ayr, Ont. N0B 1E0 CAN** **519-632-7427**	Full line of site furnishings, including benches, planters, urns, tree grates, bollards, fountains, and bicycle racks.	Free *Write in No. 569*
Union Metal **1432 Maple Ave., NE, Dept. TB** **Canton, OH 44705** **216-456-7653**	Manufacturers of street lighting standards (fabricated steel fluted shafts and cast-iron bases) and luminaires. Base castings from 1930's wood patterns. Steel, aluminum, and concrete street and area poles, flagpoles, and bollards.	Free *Write in No. 536*
Urban Accessories **2004 144th N.E., Dept. TB** **Woodinville, WA 98072** **206-487-0488**	Manufacturers of site furniture, bike racks, benches, bollards, and tree guards; also, cast-iron manhole covers and tree grate castings from recycled materials.	Free
Valley View Specialties Co. **13834 S. Kostner Ave., Dept. TB** **Crestwood, IL 60445** **800-323-9368, 708-597-0885**	Durable plastic planters and urns in 4 colors and various sizes and shapes. Features include flat bottoms or drainage risers, bottom saucers and trays, consistent color, light weight, and integral color.	Free *Write in No. 384*
Verdin Company **444 Reading Rd., Dept. TB** **Cincinnati, OH 45202** **800-543-0488**	Nation's oldest and largest builder of street clocks, tower clocks, bells, carillons, and clock chiming systems. Also, bells and bell-ringing equipment; clock and bell renovation and servicing.	Free *Write in No. 435*
Vixen Hill Mfg. Co. **Main St., Dept. TB** **Elverson, PA 19520** **215-286-0909**	Supplies solid panel or fixed slat shutters and top-of-the-line gazebos. Products are manufactured from select-grade western red cedar, and engineered for both strength and ease of assembly.	Free *Write in No. 710*
Vulcan Supply **P.O. Box 100, Dept. TB** **Westford, VT 05494** **802-878-4103**	Custom fabricator of lanterns, finials, cornices, cupolas, weathervanes, ornaments, and roofing metal in copper and other sheetmetal. Consultants for slate, tile, and copper roofing.	Free *Write in No. 721*
Ward Industries **58582 State Rd. 13, Dept. TB** **Middlebury, IN 46540** **219-825-2548**	Custom-built lighting. Aluminum posts in 3 styles; many styles of Victorian copper lanterns; variety of finishes available. Builds fixtures to spec in copper, brass, acrylics, aluminum, or steel.	Free
Wausau Tile **P.O. Box 1520, Dept. TB** **Wausau, WI 54402** **800-388-8728, 715-359-3121**	Manufacturer of concrete pavers and precast concrete site furnishings: Waste containers, bollards, benches, planters, tree grates, and signs.	Free *Write in No. 281*
Welsbach Lighting, Inc. **240 Sargeant Drive, Dept. TB** **New Haven, CT 06511** **203-789-1710**	Wide variety of cast-aluminum and bronze historic street lighting fixtures.	Free *Write in No. 456*
Windsor Designs **37 Great Valley Pkwy, Dept. TB** **Malvern, PA 19355** **800-783-5434, 610-640-1212**	Garden furniture, seating groups, and pool & deck loungers in traditional and contemporary designs, made in teak, shorea, and cast aluminum. Also planters and other accessories.	Free *Write in No. 328*
Wood Visions **P.O. Box 815, Dept. TB** **Derry, NH 03038** **800-628-1101, 603-595-9663**	Builds modular and custom gazebos and bandstands for residential and commercial markets using cabinet-grade construction. Materials used are Western red cedar and Douglas fir.	Free *Write in No. 987*

For an alphabetical Index to the products supplied by these companies, see pp. 18-20.



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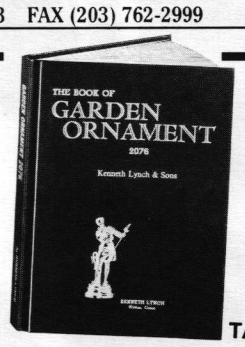

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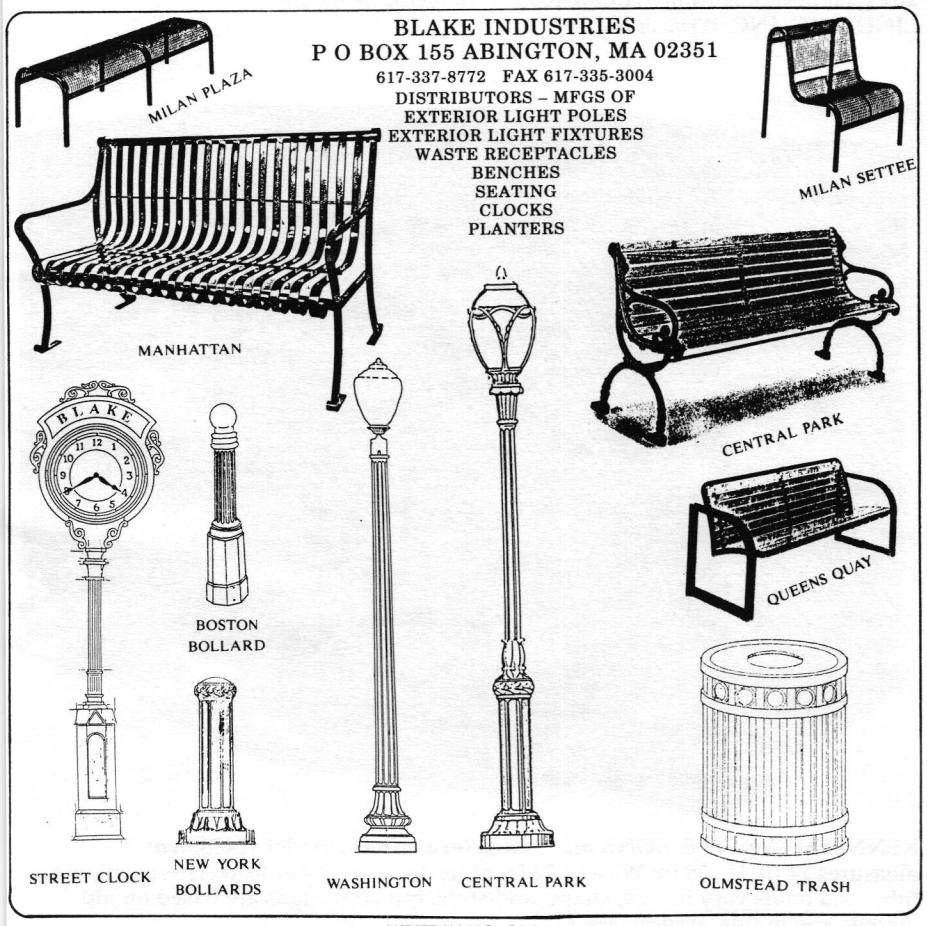

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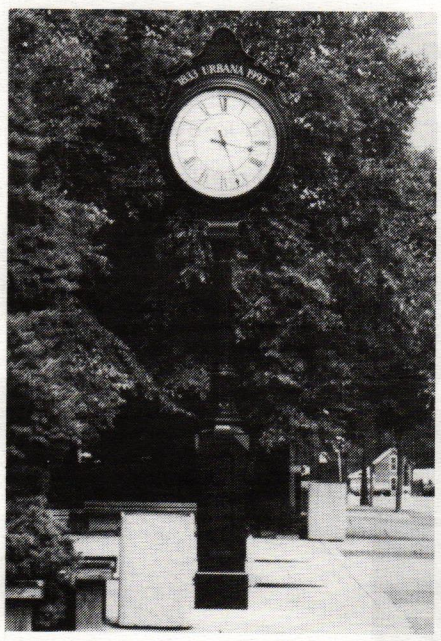
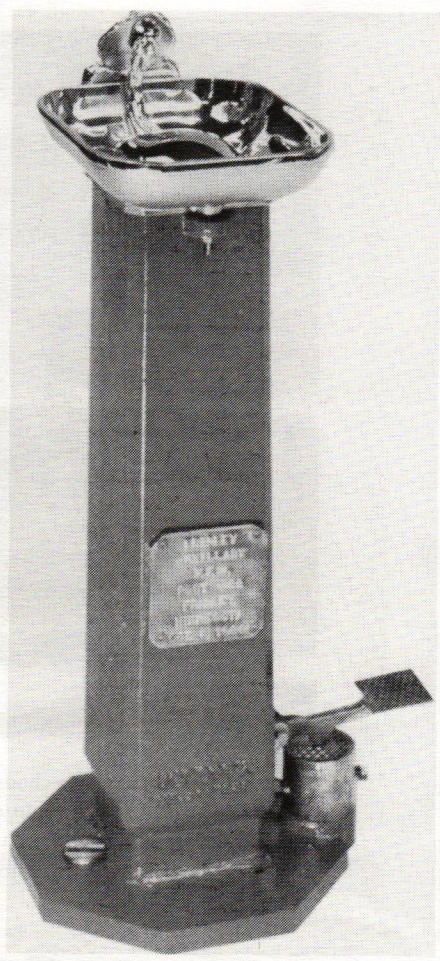
WRITE IN NO. 71

STREET FURNISHINGS & FIXTURES PORTFOLIO

For more information on these companies, consult the SourceList on pp. 20-24.



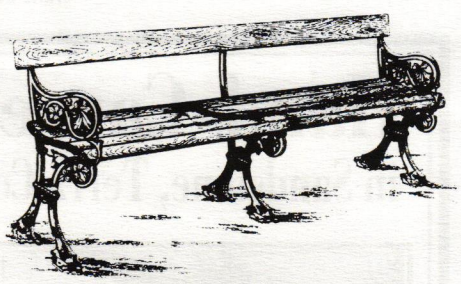
This Urbana, Ill., installation features a clock with handcrafted movement, heavy-duty lexan dial, vandal-proof and weather-resistant cover, personalized header, and custom finish. VERDIN COMPANY *Write in No. 435*

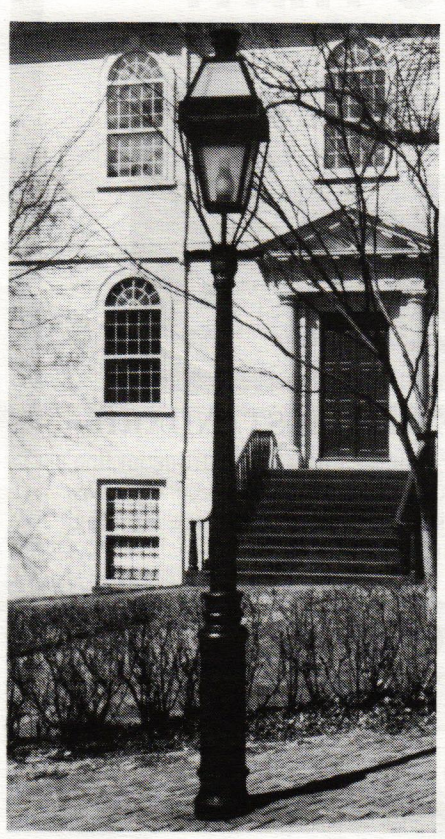


The M35 Ejecto San non-pollutible drinking fountains feature removable working parts, antifreeze operating valve below the frost line, and optional donor plaque. MURDOCK FOUNTAINS *Write in No. 378*

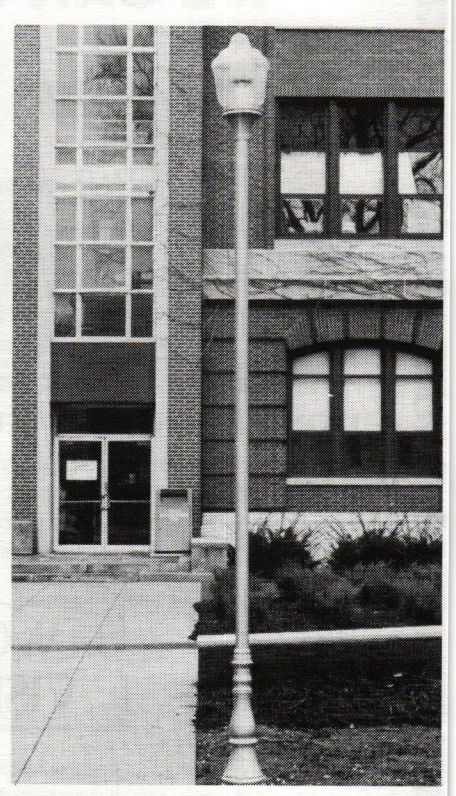
This town bandstand was crafted in red cedar by WOOD VISIONS. *Write in No. 987*

This rustic bench, crafted by David Robinson, designer and owner of NATURAL EDGE, is only one in a series of unique creations, which include site furnishings, gazebos, and balustrades.





This historically styled street fixture and post design is from WELSBACH LIGHTING, INC. *Write in No. 281*



TRIMBLEHOUSE CORP.'s cast-aluminum post and luminaire was installed at Ohio State University. *Write in No. 105*

This teahouse, from VIXEN HILL GAZEBOS, features an elongated octagonal floor plan, gently curved roof, and interchangeable parts for optimal flexibility for access and egress. *Write in No. 710*

KENNETH LYNCH & SONS makes this lead cistern, model #2438, which measures 24 in. H., 36 in. W., and 22 in. at its deepest. Other lead cisterns, planters, tubs, and pools vary in size, shape, and style, but all designs are based on old models and molds. *Write in No. 777*

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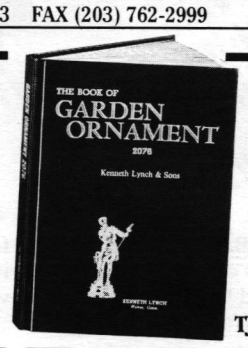

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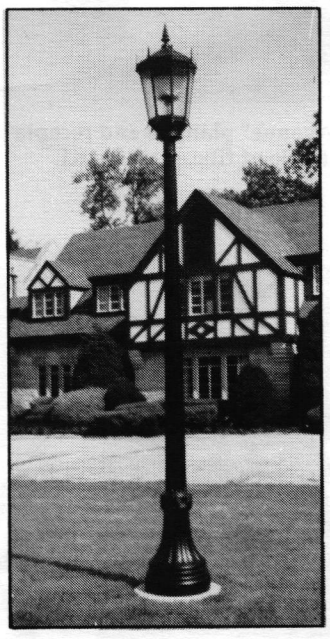
WRITE IN NO. 777



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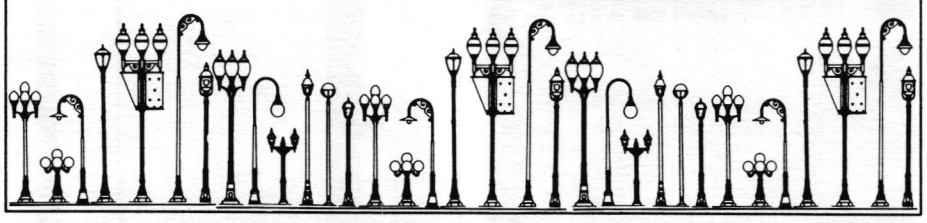

WRITE IN NO. 674

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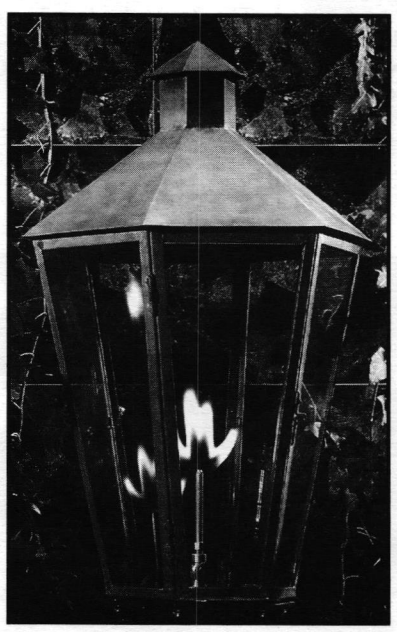

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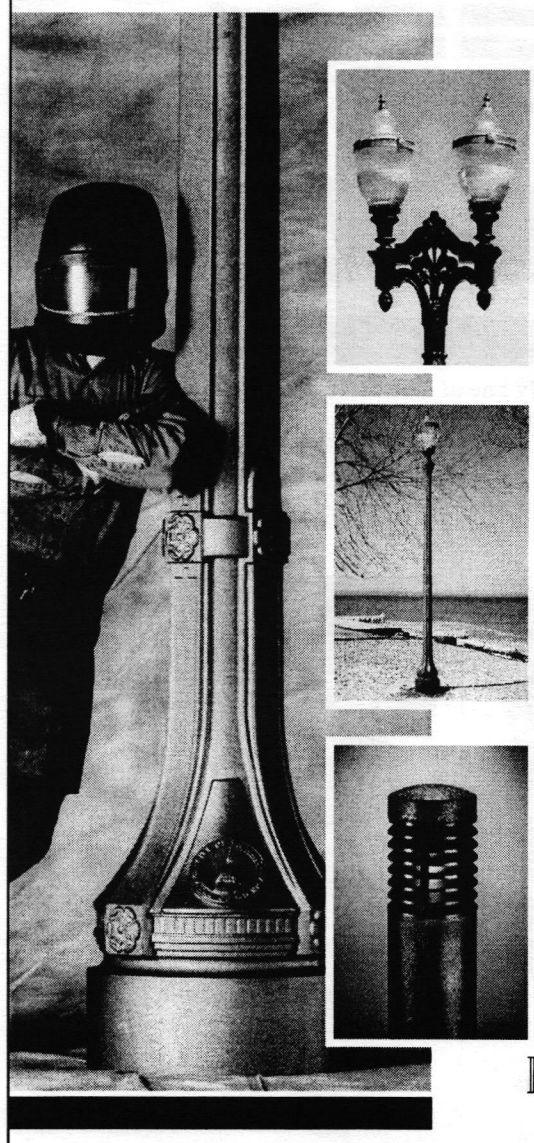
King Luminaire. We're more than just lights and poles.



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STREET FURNISHINGS & FIXTURES PORTFOLIO

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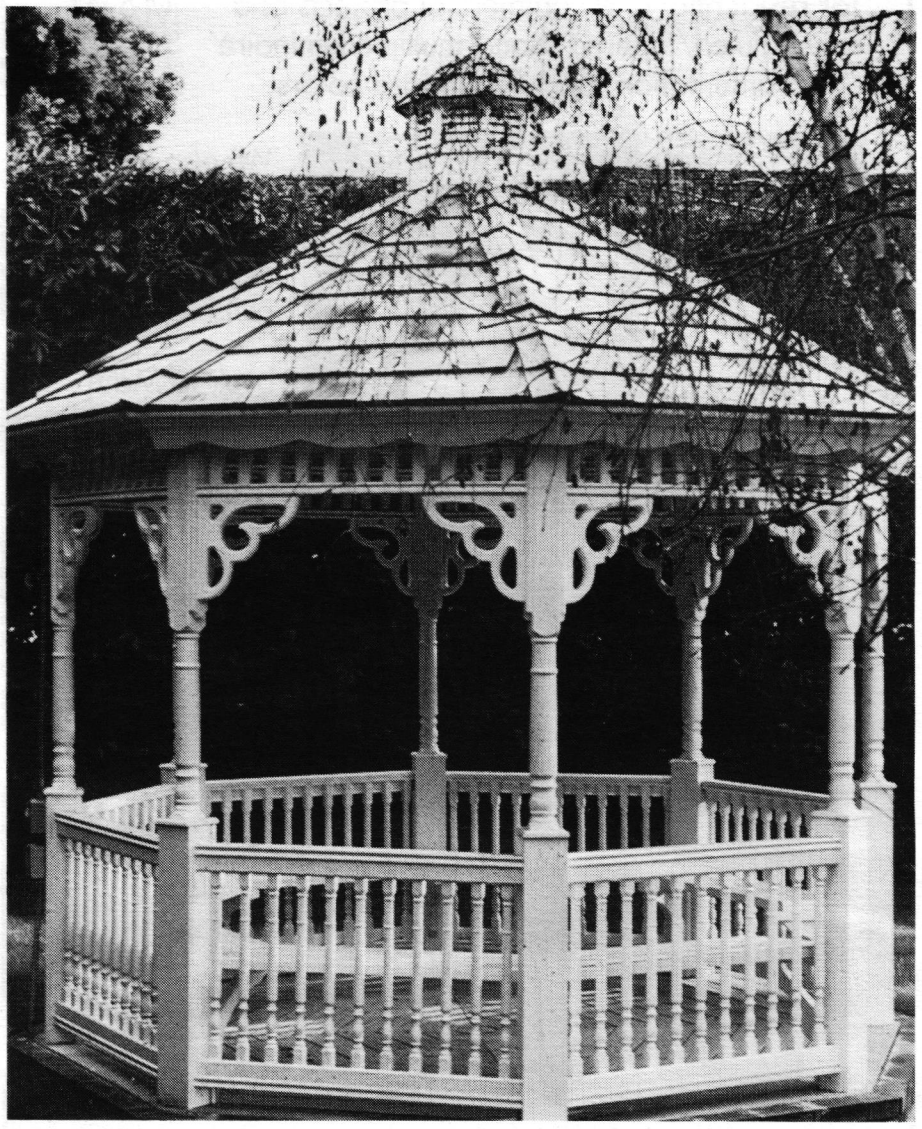
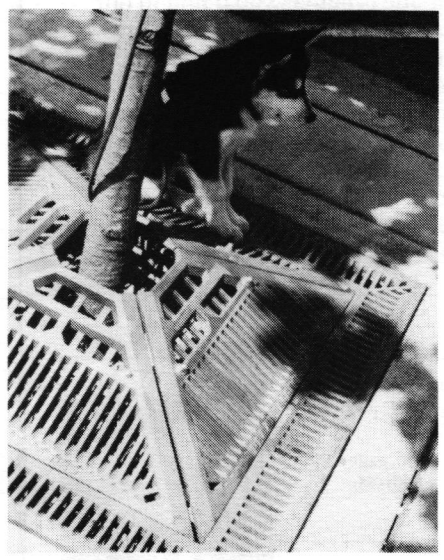
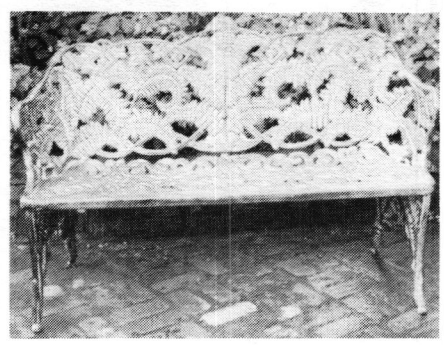


This "Majestic" AMISH COUNTRY GAZEBOS structure is available in kit form, customized to match an existing style, and is actually handcrafted by the Amish. *Write in No. 168*

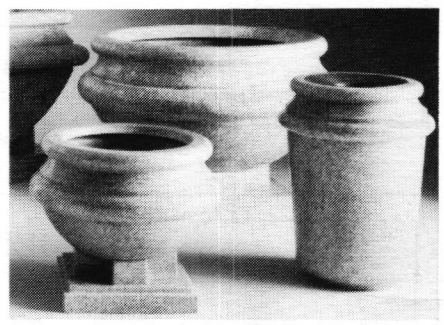


URBAN ACCESSORIES fabricated this cast-iron tree grate with customized "doggie-be-gone" beveling.

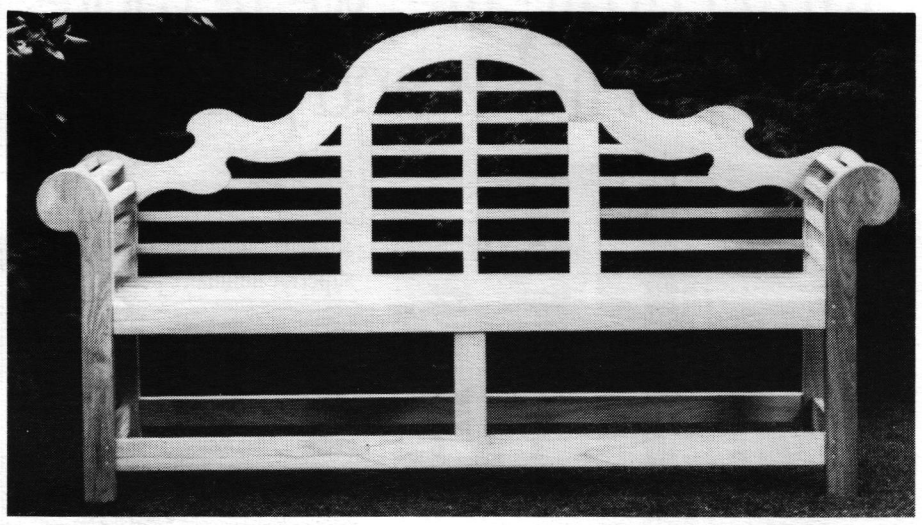


This settee is part of ROBINSON IRON's "Fern Group" collection of cast-iron decorative furniture and measures 2 ft. 11 in. H.; 4 ft. 10 in. L; and weighs 195 lbs. *Write in No. 324*

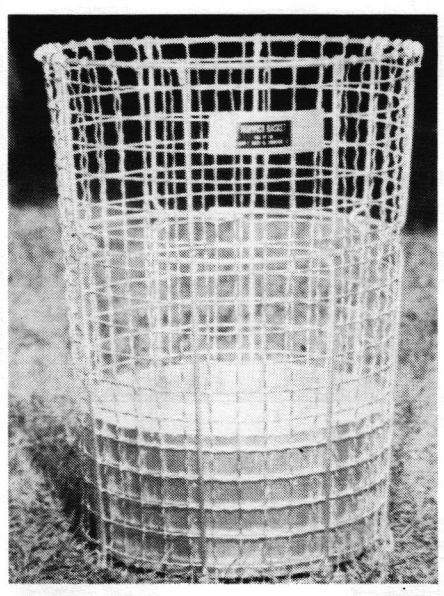
Polymer-based planters from VALLEY VIEW SPECIALTIES CO. feature a matte finish, solid flat bottoms or drainage risers, custom colors, and a weight that's 80% lighter than terra cotta. *Write in No. 384*



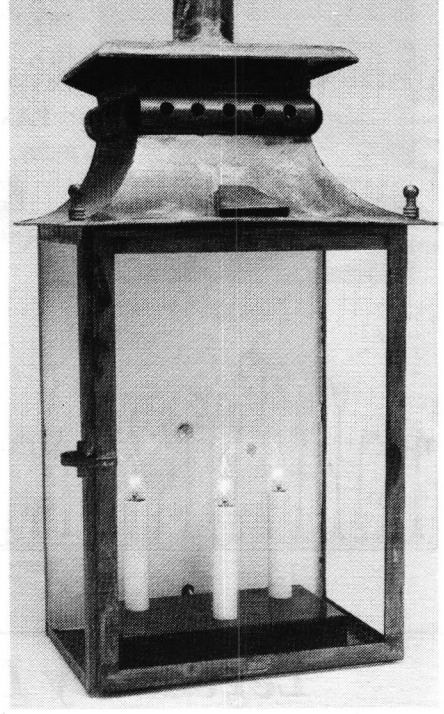
These "Avenue" planters and receptacles are made of fiberglass by KI.



This "Sissinghurst Teak Seat" is only one of BARLOW TYRIE's large assortment of solid teakwood, all-weather furnishings.

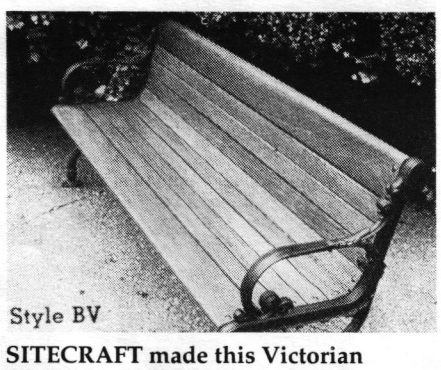


The Norwich litter basket, model #95B, is 28 in. deep, 21 in. dia. (top), with 10-gauge wire mesh, 8 vertical braces with interlocking ring, and an 8 in. deep sheet metal pan. THE JOHN P. SMITH CO.

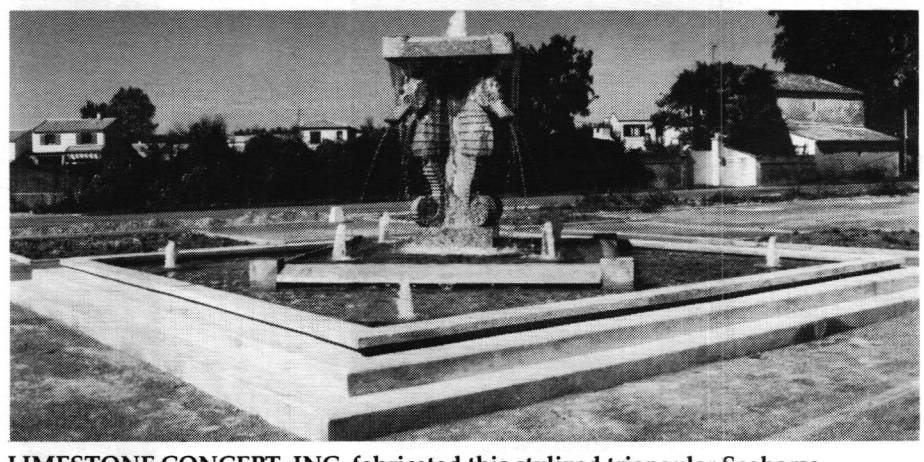


The Zenke lantern is a reproduction of a French fixture and finished in verdigris. THE SALTBOX *Write in No. 355*

CUSTOM STRUCTURES, INC., fabricated this "Harmony" series of litter receptacles: Welded metal units requiring no assembly, adjustable legs, flat metal lids, plastic liner, and anti-theft lanyard. *Write in No. 339*



SITECRAFT made this Victorian slatted bench with black cast-iron ends. The "BV" model comes in three lengths: 48 in., 60 in., and 72 in. *Write in No. 265*



LIMESTONE CONCEPT, INC. fabricated this stylized triangular Seahorse Fountain. The surround is concrete; the fountain is carved granite. *Write in No. 539*

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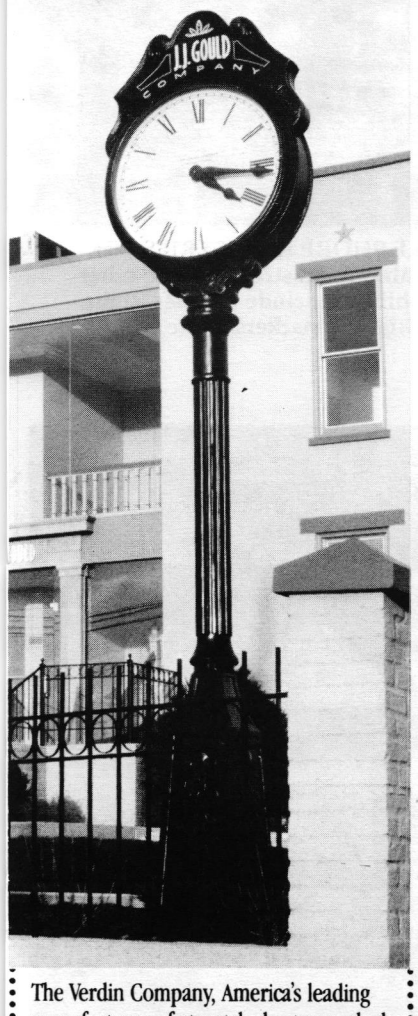

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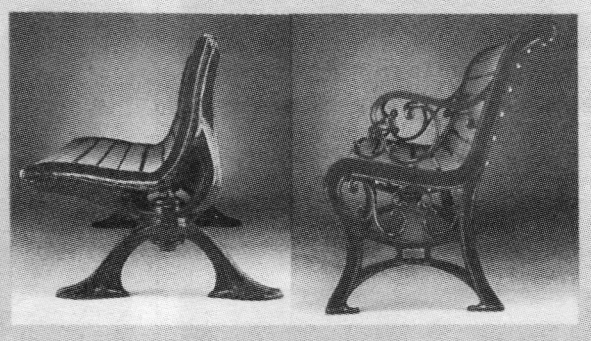

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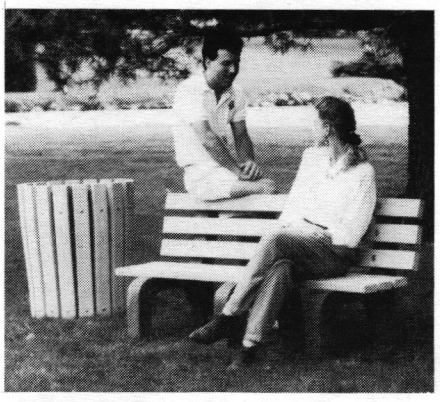
WRITE IN NO. 412

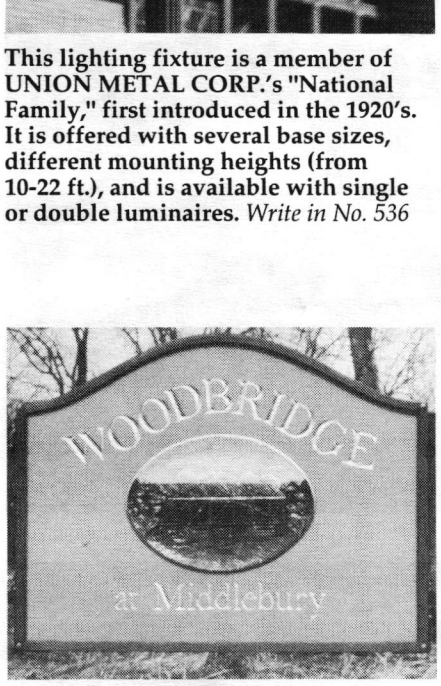
STREET FURNISHINGS & FIXTURES PORTFOLIO

For more information on these companies, consult the SourceList on pp. 20-24.

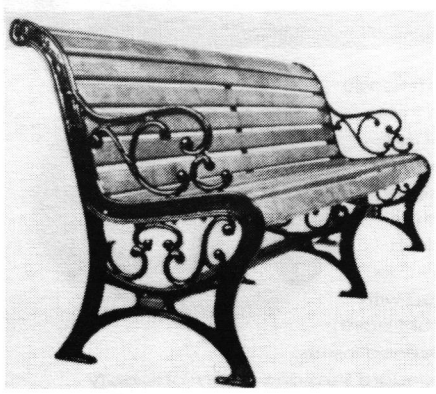


HAMMER'S PLASTIC RECYCLING site furnishings are impervious to insects and termites, will not crack or splinter, don't need painting, and are easily cleaned with soap and water. *Write in No. 239*

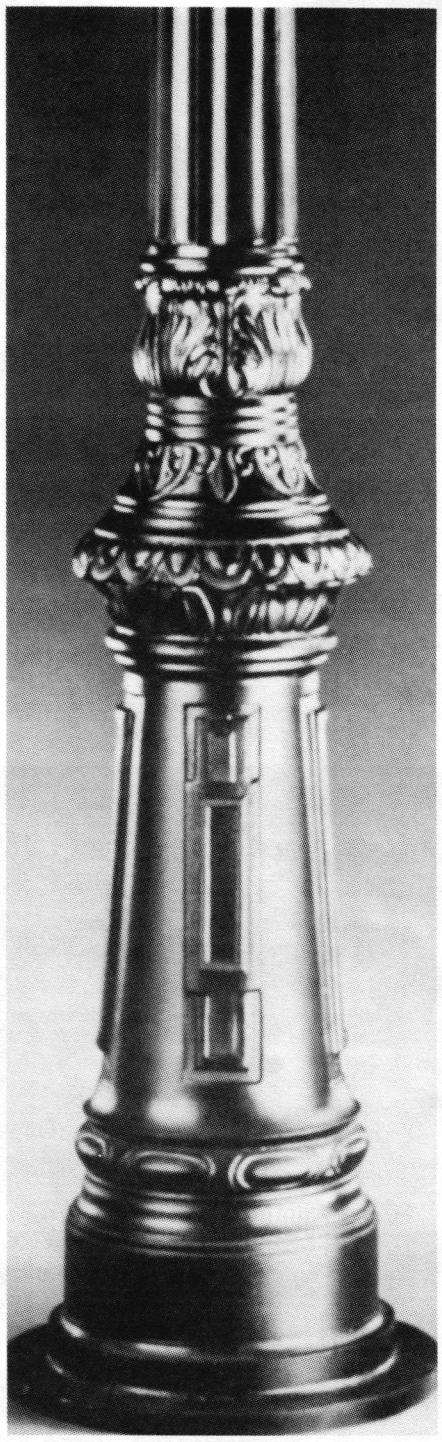
This lighting fixture is a member of UNION METAL CORP.'s "National Family," first introduced in the 1920's. It is offered with several base sizes, different mounting heights (from 10-22 ft.), and is available with single or double luminaires. *Write in No. 536*



This custom hand-chiselled gold-leaf sign, created by GEER & CO. in redwood for the Woodbridge condominiums in Vt., measures 4 ft. 3 in. H. x 6 ft. W. *Write in No. 933*

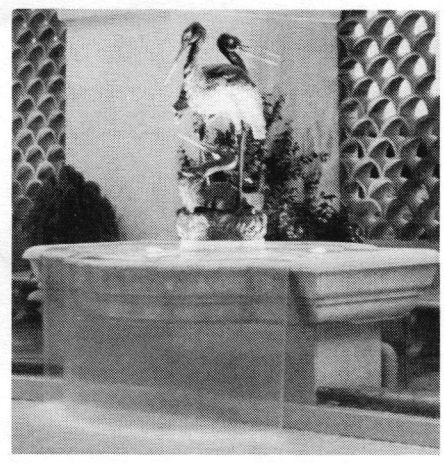


This 8-ft. bench, model TH-1, is part of TRYSTAN's "Heritage" series. Ends are either cast aluminum or cast iron (primed with enamel coating or with a baked-on painted finish), and slats are stained western red cedar. *Write in No. 569*



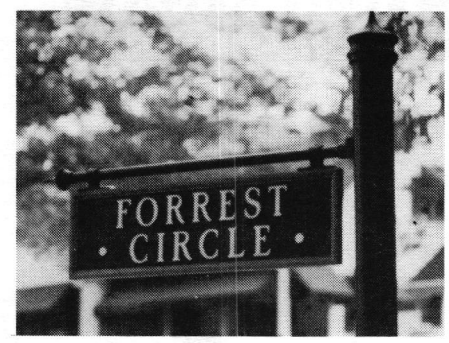
This post, the "Old Waterford II," has a heavily ornamented aluminum base and fluted and tapered fiberglass shaft. MAINSTREET ORNAMENTAL LAMP POSTS *Write in No. 98*

BRANDON INDUSTRIES, INC., manufactures traditional aluminum lighting fixtures. This model, WS4-81L, is 32 in. H., 14 in. W., and extends 16 in. *Write in No. 340*

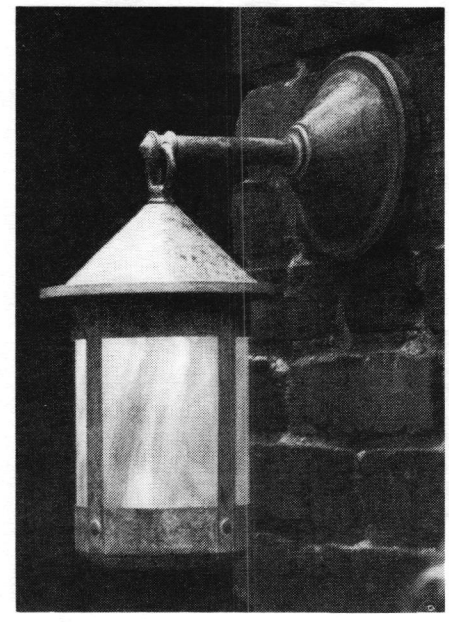


This prefabricated "Stoneware" modular fountain features a pool filtration system as a source for its waterfall. MAGNALITE SYSTEMS *Write in No. 585*

This bollard, model #6346, is cast titanium/aluminum and is appropriate for both commercial and residential use. HANOVER LANTERN *Write in No. 344*



LAKE SHORE INDUSTRIES cast this aluminum street marker; other capabilities include plaques, signs, and historic markers. *Write in No. 873*



The "Berkeley" wall mount, from REJUVENATION LAMP & FIXTURE CO., is available in two sizes and supplied with gold white iridescent art glass. *Write in No. 763*

WAUSAU TILE manufactured these planters, the "Westlake" series, featuring cast-in carving. The planter shown is 42 in. dia. x 24 in. H. and weighs 950 lbs. *Write in No. 412*

Instant Access to Product Literature for STREET FURNISHINGS

If your office qualified to receive the 1994 TRADITIONAL BUILDING CATALOG, you'll find prefiled product literature there for the following suppliers of Street Furnishings:

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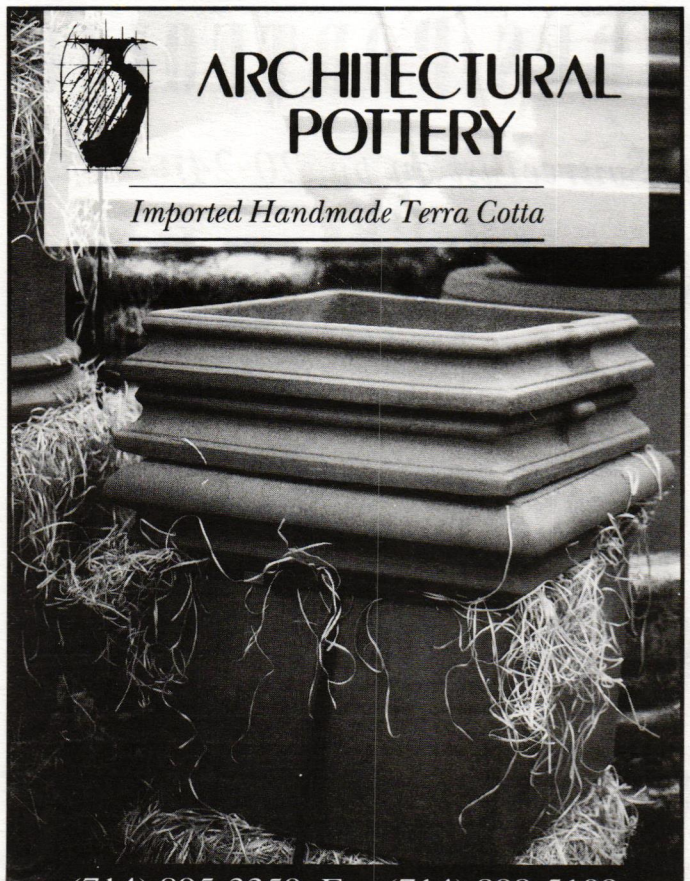

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WRITE IN NO. 2

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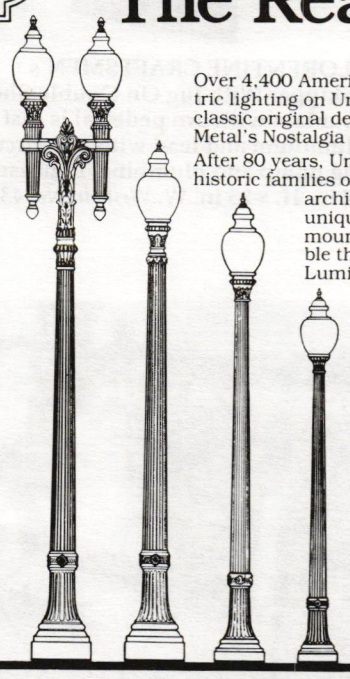

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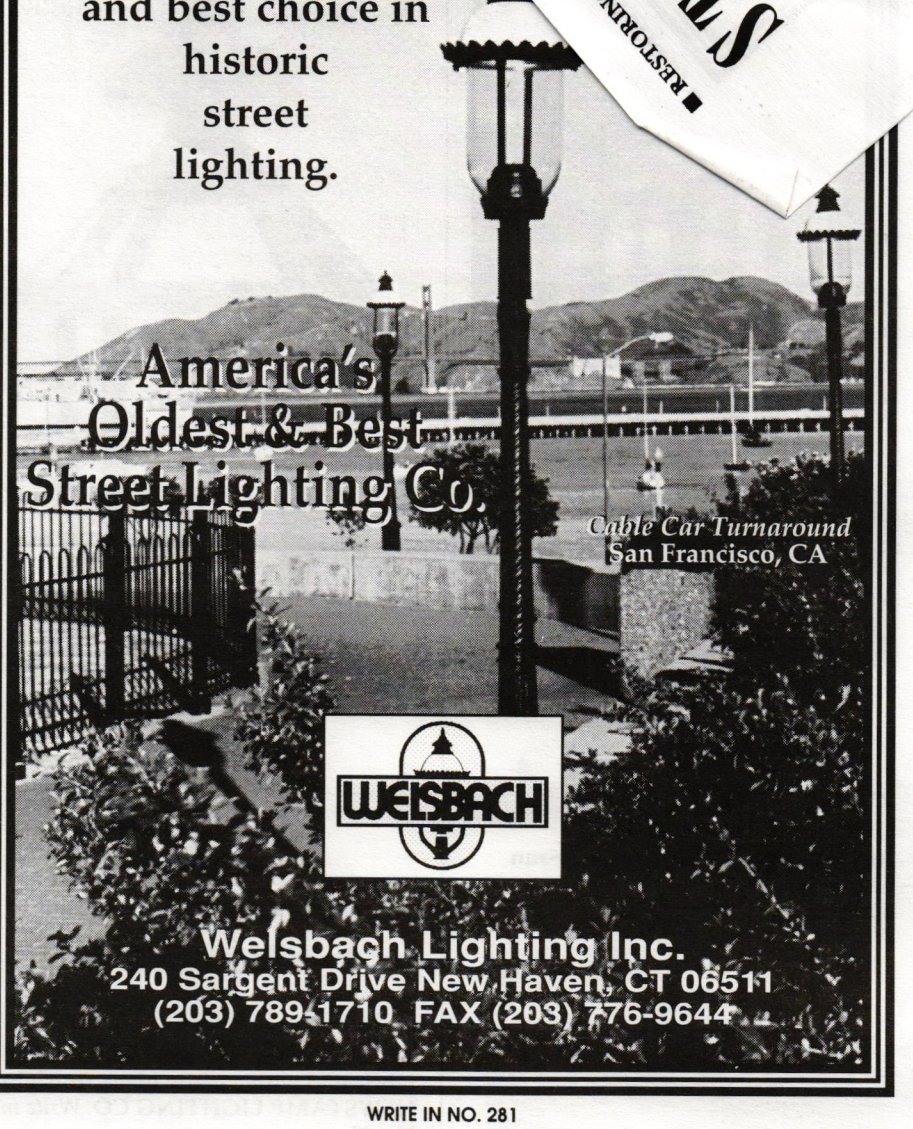

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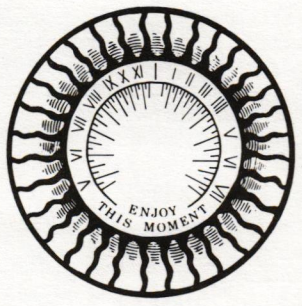

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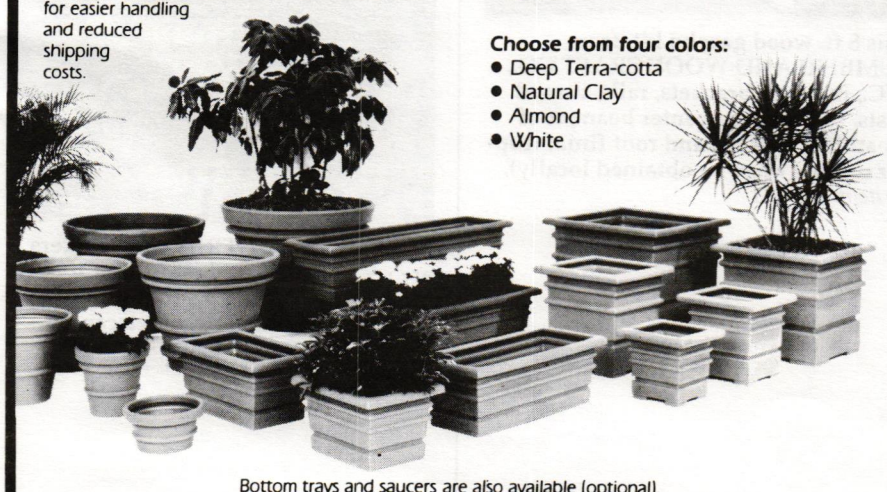

Bottom trays and saucers are also available (optional).

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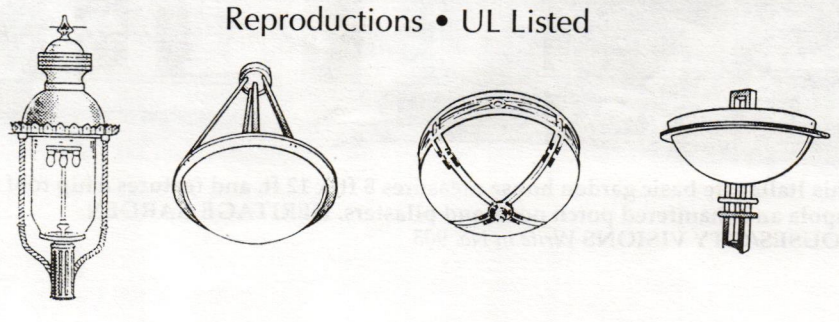

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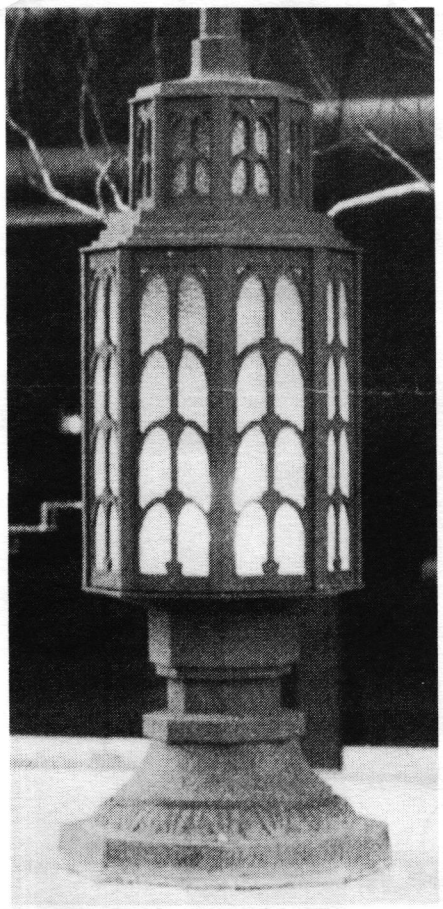
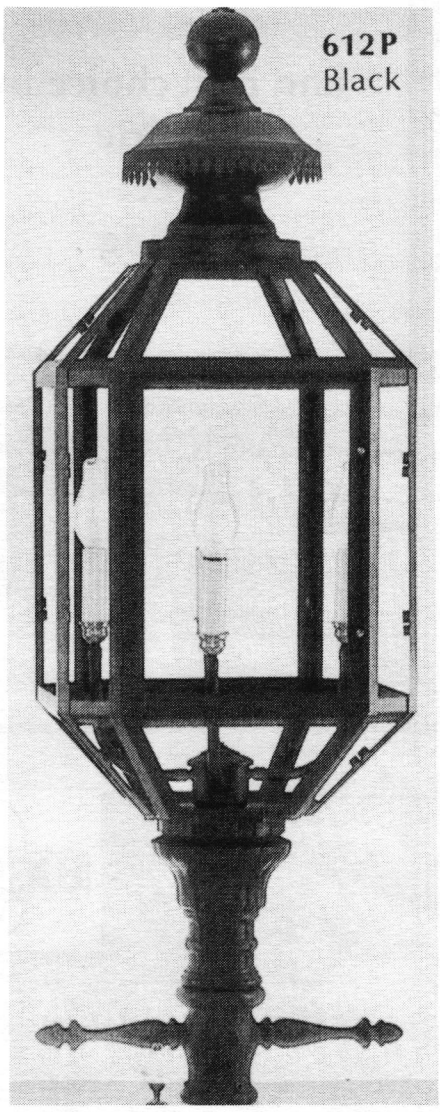
WRITE IN NO. 80

...URNISHINGS & FIXTURES PORTFOLIO

For more information on these companies, consult the SourceList on pp. 20-24.

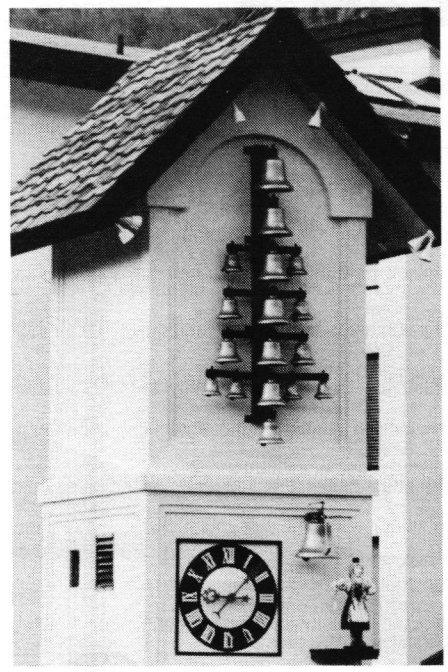


HERWIG LIGHTING, a family-run business since 1908, cast this monumental lantern in aluminum. *Write in No. 913*



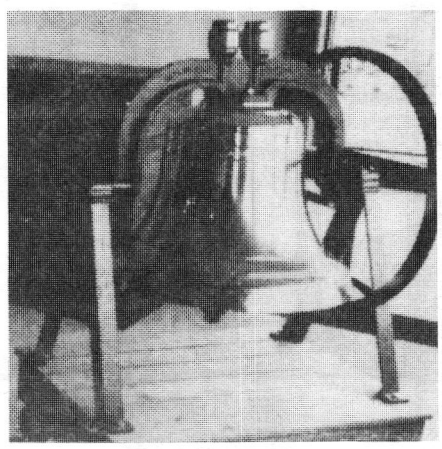
This solid copper and brass lantern is fabricated with a matte black finish by NEWSTAMP LIGHTING CO. *Write in No. 80*

BEGA manufactured this pole-top luminaire, which distributes a symmetrical wide-beam light and is available in custom colors.

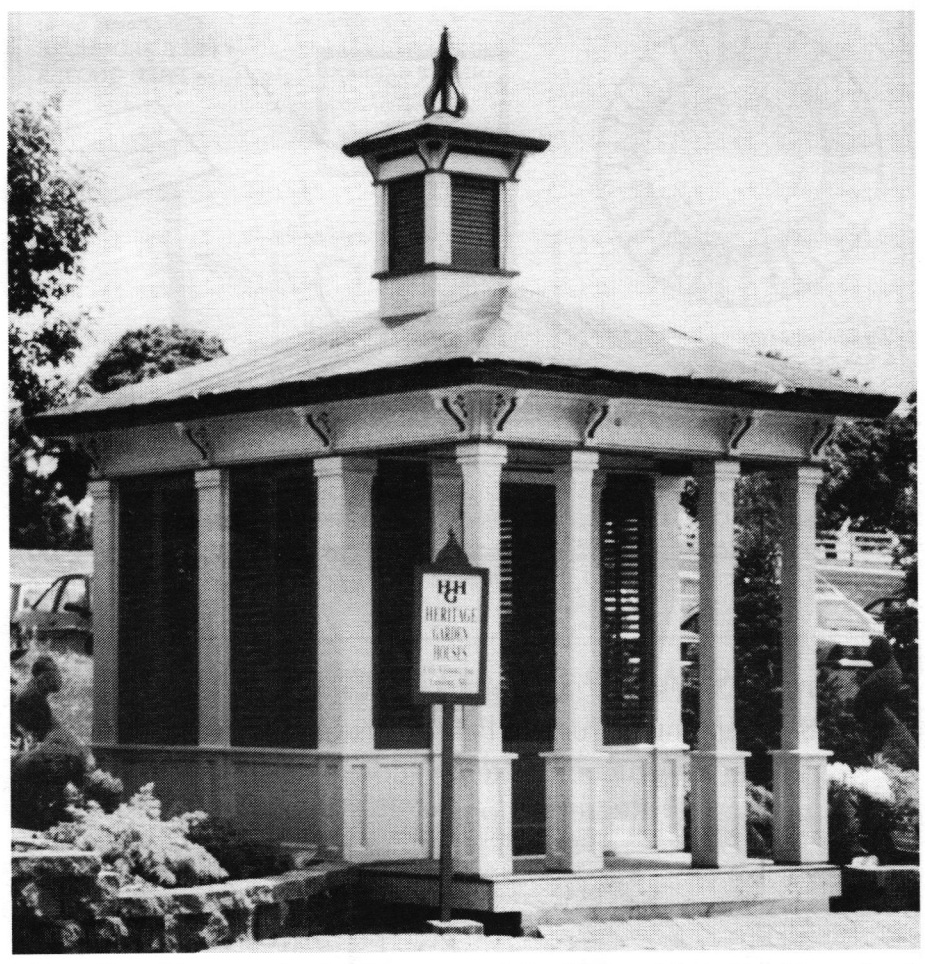


ELDERHORST-BELLS, INC., fabricated this towerclock with animated figure, glockenspiel, time strike, and melodies — all in a computer-controlled system.

FLORENTINE CRAFTSMEN's "Skipper With Jug On Double Shell" fountain with urn pedestal is cast aluminum and lead with a re-circulating pump and plumbing; it measures 54 in. H. x 25 in. W. *Write in No. 439*

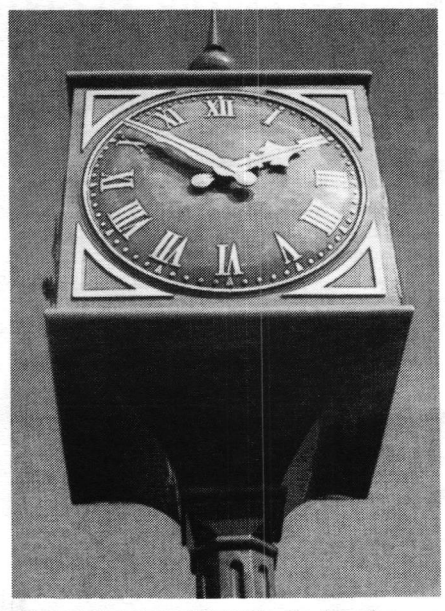


This is Bob Brosamer's pride and joy: A 2,500 pound bell, dated from 1855, and rescued from a Detroit-area church. "It's larger than the Liberty Bell," Brosamer boasts. BROSAMER'S BELLS *Write in No. 713*



This Italianate basic garden house measures 8 ft. x 12 ft. and features a hip roof and cupola and chamfered porch posts and pilasters. HERITAGE GARDEN HOUSES/CITY VISIONS *Write in No. 903*

This 8 ft. wood gazebo kit, from CUMBERLAND WOODCRAFT CO., INC., includes brackets, rails, turned posts, roof trusses, center beam, roof sheathing, cornice, and roof finial (copper roofing must be obtained locally). *Write in No. 131*



The SMITH OF DERBY clockmakers are responsible for this "Pillar Clock With Convex Dial," a suitable accompaniment to any historic streetscape. *Write in No. 214*

THE TEXTURES OF MAIN STREET

The correct selection of bricks and pavers can go a long way toward recapturing the spirit of turn-of-the-century retail districts, which once again are luring the well-heeled shopper.

Planners of downtown revivals are always looking for ways to make the streetscape more vibrant and full of life. A striking variety of human-scaled shapes, textures, and colors was something that was commonplace on early 20th-century commercial streets by virtue of the picturesque architectural styles that were then in vogue. Because much of that original pattern and texture was remodeled out of existence in the mid 20th century, designers now have to look for economical ways to recapture that bygone sense of liveliness.

One of the simplest and least expensive means of adding texture, pattern, and color to a commercial shopping district is through the judicious choice of paving and masonry materials. Starting with the assumption that you need *something* underfoot, usually with a small additional amount of money — and lots of design creativity and historic insight — the right paving and masonry materials can add considerably more visual enrichment than garden-variety gray concrete.

Historically, unit masonry, such as bricks and cobbles, were the most common paving materials. And, from the suppliers on the accompanying *SourceList*, you can still get a near-match for almost any historic paver. In addition, there is a wide variety of modern unit pavers, both clay and concrete products, that closely simulate the ambience of historic materials.

Because of the expense of setting and maintaining unit pavers, for large public spaces there is a growing market for cast-in-place, colored, imprinted, and textured architectural concrete paving. This material can be made to replicate almost any historical stone or brick paving system with savings in installation and maintenance costs.

Custom-Molded & Color-Matched Brick

Retaining walls, small service buildings, additions, and patching of brick buildings along Main Street may call for bricks that are beyond ordinary brickyard inventory. Restoration color matching and blending, in particular, is a tricky business. For example, in old walls where the brick was hand-molded and batch-fired, there is a wide range of brick colors. In order to get an acceptable match, a manufacturer may have to provide 5 or more different brick colors in a proportion that can only be determined by a careful on-site statistical sampling of the existing masonry. Several of the brick companies on the *SourceList* are experienced in this type of custom brick restoration matching.

To assemble the *SourceList* on pp. 34-36, the Editors contacted 145 suppliers of pavers and specialty brick. From the responses, the Editors selected 33 companies as most relevant to our readers' interests. Some of the companies on the *SourceList* supply only architectural pavers. Some of the brick companies, however, supply both clay-based paving materials, as well as custom-molded and color-matched brick for related construction and masonry restoration activities. ■ — *CL*

Instant Access to Product Literature for PAVERS & SPECIALTY BRICK

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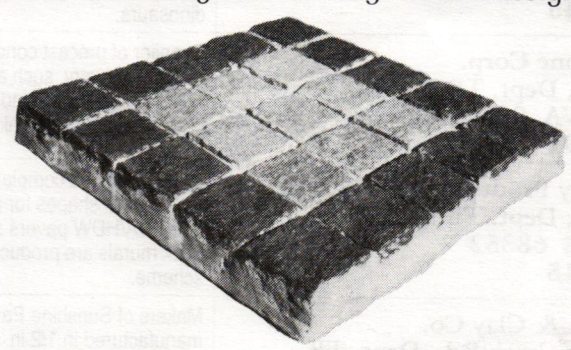
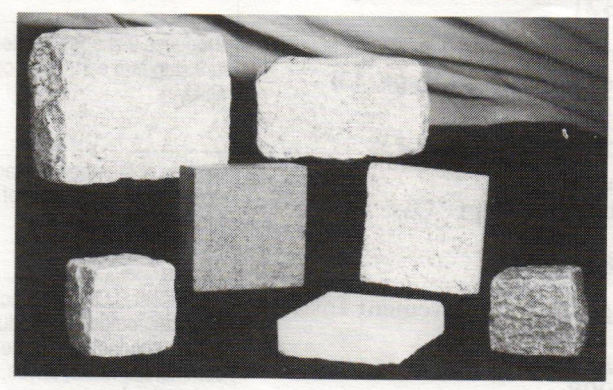


Granite pavers in a variety of cuts and sizes.



We can fabricate many pavers or other Natural Granite products in a variety of sizes and as per Architect's specifications. Our pricing is extremely competitive. Call for more information.

New Worldwide Resources, Inc.
371 College Drive Edison, N.J. 08817
Phone (908) 248-3696 Fax (908) 248-4199

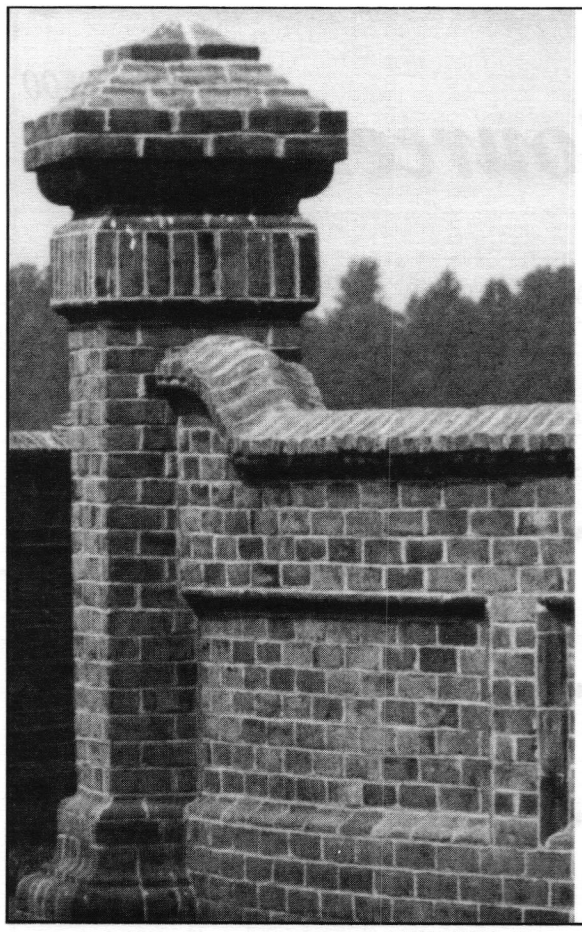
WRITE IN NO. 312

TRADITIONAL BUILDING's PAVERS & SPECIALTY BRICK *SourceList*

CSI# 02500

✔ COMPILED BY SHARON GARBE & CLEM LABINE

COMPANY	SPECIALTY	Literature	PAVING/EDGING					ARCHITECTURAL BRICK			Other
			Concrete Pavers	Brick Pavers	Quarry Tile	Curbing/Edging	Coping	Special Shapes	Hand Molded	Color Matched	
Architectural Murals In Brick 339 NW 82nd St., Dept. TB Seattle, WA 98117 206-789-2838	Custom-designed, hand-carved brick relief works for residential or commercial applications. Over 300 murals and 26 years of project experience. Specialties include historical, regional, and wildlife themes. Call for cost and time estimates.	Free *Write in No. 78*									Hand-carved brick
Bomanite Corp. P.O. Box 599, Dept. TB Madera, CA 93639 800-854-2094, 209-673-2411	Cast-in-place, monolithic paving offers the look of natural pavers with the durability and economy of concrete. Over 50 patterns and 25 standard colors.	Free	✔								
Bowerstown Shale Co. P.O. Box 199, Dept. TB Bowerston, OH 44695 614-269-2921	Manufactures paving bricks in narrow and flashed ranges of reds and earthy browns. Sizes available for pedestrian and light traffic to heavy vehicular.	Free		✔							
Brick Institute of America 11490 Commercial Park Dr., Dept. TB Reston, VA 22091 703-620-0010	Trade association provides technical info on all aspects of brick design and construction, including brick paving applications, design, and installation.	Free									Publications
The Brickyard P.O. Box A, Dept. TB Harrisonville, MO 64701 816-380-3366	Source for authentic, unused antique clinker bricks with highly distinctive shapes, colors, and textures that are ideal for constructing hearths and chimney facings.	Free *Write in No. 396*								✔	Clinker bricks, engraved bricks
Buchtal Ceramics 1325 Northmeadow Pkwy, #114, Dept. TB Roswell, GA 30076 404-442-5500	Offers a porcelain series tile which recalls the look of traditional urban pavers and natural stone with dimpled surface and variations in shades. The tiles are suitable for indoor or outdoor use and come in 9 earthy colors.	Free									Porcelain pavers
Castaic Brick Mfg. Co. P.O. Box 8, Dept. TB Castaic, CA 91310 805-259-3066	Manufactures pavers in 5/8 in, 1-1/4 in., and 2-1/4 in. sizes, and is available in 10 colors. Carries 5 styles of manufactured "used" brick, as well as brick veneers.	Free *Write in No. 191*		✔			✔			✔	Glazed thin brick
Cold Spring Granite Co. 202 S. Third Ave., Dept. TB Cold Spring, MN 56320 612-685-3621	Supplier of domestically quarried granite for building facing (interior and exterior), paving, landscape areas, and industrial uses. Product line includes slabs, thin tile, and Tumblestone — cobblestones made to look worn.	Free *Write in No. 220*			✔						Cobblestones
Connecticut Stone Supplies 311 Boston Post Rd., Dept. TB Orange, CT 06477 203-795-9767	Full masonry supply yard and direct importers of Indian cobblestones and 2 in. granite pavers in gray or rose. Also carries granite pavers in 12 and 18 in. sq., flagging, and fieldstone.	Free			✔						Cobblestones
Custom Rock International 1156 Homer St., Dept. TB St. Paul, MN 55116 612-699-1345	Company designs, consults, specifies, and installs specialty concrete products and surfaces. Acid-etched, stained, sandblasted, exposed, textured, colored, and imprinted concrete and precast products, from planters to dinosaurs.	Free	✔								Cast-concrete rock surfaces
Eldorado Stone Corp. P.O. Box 27, Dept. TB Carnation, WA 98014 206-883-1991	Supplier of precast concrete and stone products for the building industry, such as the Burnaby Cobblestone Paver. Products are individually molded concrete pavers, curbing and edging which can be color custom matched.	Free	✔	✔		✔					
Endicott Clay Products Co. P.O. Box 17, Dept. TB Fairbury, NE 68352 402-729-3315	Manufactures a complete line of face brick, pavers, and tile. Special shapes for all items as well as lugged pavers and ADA/HDW pavers are also available. Hand-crafted brick murals are produced to coordinate with any design scheme.	Free		✔	✔		✔	✔	✔	✔	Hand-carved brick murals
Florida Brick & Clay Co. 1708 Turkey Creek Rd., Dept. TB Plant City, FL 33567 813-754-1521	Makers of Sunshine Pavers — wirecut, textured pavers manufactured in 1/2 in. or 1 in. thicknesses, standard size (4X8) and special orders (4X4, 6X6, 8X8).	Free		✔	✔		✔				
Grinnell Concrete Paving Stones 482 Houses Corner Rd., Dept. TB Sparta, NJ 07871 201-383-9300	Produces 9 shapes of interlocking concrete paving stones in 9 standard earth-tone colors. Also offers color matching ability.	Free	✔		✔	✔					
Increte Systems 8509 Sunstate St., Dept. TB Tampa, FL 33634 813-886-8811	System of stamped-in-place concrete which creates economical simulations of brick, stone, and other ornamental surfaces.	Free *Write in No. 248*	✔								
Interlocking Concrete Pavement Inst. P.O. Box 1142, Dept. TB Sterling, VA 20167 703-450-4998	Represents U.S. manufacturers of concrete pavers. Member companies produce products in hundreds of colors, shapes, and patterns for residential and commercial walks, drives, and streets. Members list, free installation brochure, etc.	Free	✔								
Lewin Brick Lettering 2218 Dixie Highway, Dept. TB Fort Mitchell, KY 41017 606-331-1340	This company engraves special pavers and bricks specifically designed for inscribing names for walkways and fund-raising projects.	Free *Write in No. 277*									Inscribed bricks
Mortex Mfg. Co., Inc. 1818 W. Price St., Dept. TB Tucson, AZ 85705 602-887-2631	Textured, decorative, cementitious toppings for fresh or existing concrete applications. 11 colors available in pre-mix or concentrate form. Brush or spray application. Also, PVC drainage and concrete crack control joints.	Free *Write in No. 301*	✔								
New London Brick Works P.O. Box 257, Dept. TB Gold Hill, NC 28071 704-279-6901	Custom handmade brick manufacturer; can color match any brick or pavers. Since all products are made to order, the company offers enormous flexibility in regards to special shapes, pavers, coping, and edging.	Free *Write in No. 556*		✔			✔	✔	✔	✔	



Custom Made

Wood-mould Brick For Your Distinctive Designs

- Pavers & Step Treads
- Rich, Warm Colors
- Water Tables & Copings
- Unique Special Shapes
- Matching & Blending

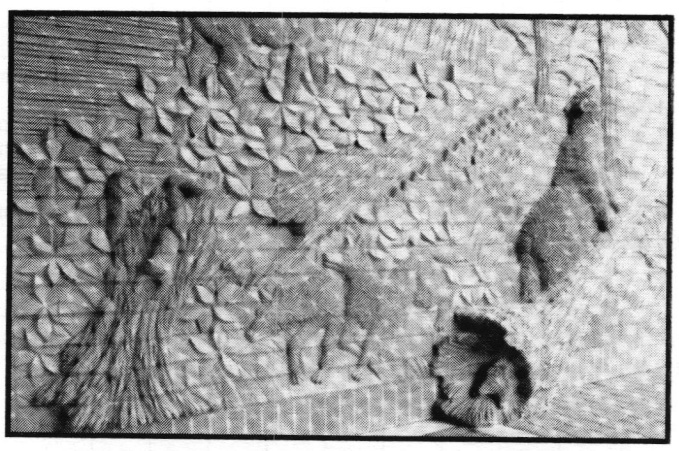
Old Virginia™ Brick

Box 508
Salem, Va. 24153
(800) 879-8227

Since 1890

WRITE IN NO. 90

Architectural Murals in Brick



1 of 2 Murals for Remodeled Civic Center, Lynnwood, WA

Custom Designed, Hand-Carved Brick Sculptures Created by Nationally Acclaimed Artist Mara Smith

206-789-2838

WRITE IN NO. 78

Robinson FLAGSTONES *SINCE 1919*

Pennsylvania flagstone (bluestone) available in wide range of pastel shades and tones. Our flagstone is a durable, quartzite sandstone with natural cleft surface. Various custom edge treatments available. Among its many uses:

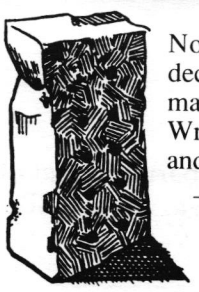
• Paving • Flooring • Treads • Mantels & Hearths
• Coping for pools, spas, and fountains • Sills • Benches

Our specialty is "tailor-made" flagstone with all stones numbered and cut to fit in accordance with numbered shop drawings prepared by us. Call, FAX, or write for free brochure and literature.

P.O. Box 208 - Fort Washington - Pa. 19034
TELEPHONE: (215) 646-3500 FAX: (215) 646-1855

WRITE IN NO. 979

Build With Pieces of History



Now available in very limited quantities — authentic, decades-old, unused clinker brick. Due to changes in brick manufacture, when these are gone there won't be any more. Write for free literature or send $10 for price list, color photos, and sample brick. *We do Custom Brick Engraving.*

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

(816) 380-3366
Ask for Kevin
Fax (816) 887-5757

WRITE IN NO. 396

TUMBLESTONE

TUMBLESTONE replicates the look of worn cobblestone streets because the pavers are split and tumbled to give each one individual character. They are ideal for walkways, terraces, drives, fences, walls, and fireplaces.
Finish: Tumbled/worn finish (custom tumbling to your specs)
Standard Thickness: 3-4-1/2 in.
Width Range: 3-8 in.
Length Range: 3-12 in.
Coverage: 35-40 sq.ft./ton
Color Range: Blacks & dark greys, dark reds and browns, reds and pinks, light pinks and light greys, blues and greens

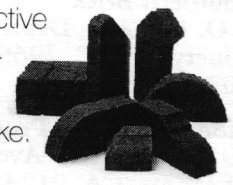
GRANITE SPECIALTIES
COLD SPRING

202 SOUTH THIRD AVENUE, COLD SPRING, MINNESOTA 56320
800-328-7083 612-685-3621 FAX 612-685-8490

WRITE IN NO. 220

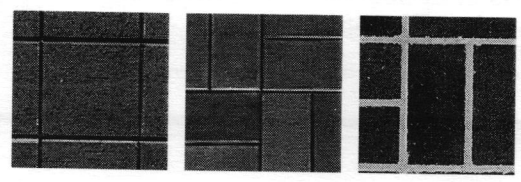
INCORPORATE RICHTEX BRICK PAVERS AND SPECIAL SHAPES IN YOUR DESIGN FOR ADDED APPEAL.

By including brick pavers and special shapes in your design, you can offer something that has a distinctive appeal to homeowners and businessmen alike.



Brick pavers and shapes add a sense of elegance and richness or casual sophistication to any home or business. As you know, more than seventy percent of all homeowners prefer brick.

RICHTEX PRODUCES A COMPLETE LINE OF SPECIAL SHAPES, REGULAR AND CHAMFERED PAVERS, SPECIAL ORDERS AND BRICK SCULPTURES.



For more information, call 1-800-922-5608 for a free brochure on our brick pavers and special shapes.

Richtex
a U.S. BRICK company

P.O. Box 3307 • Columbia, SC 29230 • 803-786-1260 • 1-800-922-5608

WRITE IN NO. 213

TRADITIONAL BUILDING's PAVERS & SPECIALTY BRICK *SourceList*

CSI# 02500

✔ COMPILED BY SHARON GARBE & CLEM LABINE

COMPANY	SPECIALTY	Literature	PAVING/EDGING					ARCHITECTURAL BRICK			Other
			Concrete Pavers	Brick Pavers	Quarry Tile	Curbing/Edging	Coping	Special Shapes	Hand Molded	Color Matched	
New Worldwide Resources, Inc. 371 College Dr., Dept. TB Edison, NJ 08817 908-248-3696	Natural granite products in various sizes and colors: Pavers (split and flame finish), cobble stones, modules with single sets laid on reinforced concrete for easy installation in various patterns, curb, stair treads, sills, bollards, and columns. Will fabricate to specs or will custom design.	Free *Write in No. 312*		✔		✔	✔		✔		
Old Carolina Brick Co. 475 Majolica Rd., Dept. TB Salisbury, NC 28147 704-636-8850	Handmade brick; clay is thrown by hand into wooden molds for historically accurate restoration brick. Offers oversize 8-1/2 in. x 2-3/4 in. and standard size. Extensive range of standard shapes, including wall copings, sill brick.	Free *Write in No. 313*		✔		✔	✔	✔	✔	✔	Fireplace profile kits
Old Virginia Brick Company, Inc. P.O. Box 508, Dept. TB Salem, VA 24153 703-389-2357	Company offers traditional wood-molded bricks in pavers, face brick, special shapes, and arches. Paver sizes are modular and 4 X 8.	Free *Write in No. 90*		✔			✔	✔	✔	✔	
Patterned Concrete Industries, Inc. P.O. Box 691015, Dept. TB Tulsa, OK 74169 800-252-4619	Concrete paving available in a wide variety of shapes, colors, and textures. Product can be made to resemble fancy brickwork, tile, cobblestones, flagstones, etc., with optional grouting.	Free *Write in No. 614*	✔								
Pave Tech, Probst P.O. Box 31126, Dept. TB Bloomington, MN 55431 800-728-3832, 612-881-5773	Tools and accessories for the paver and retaining wall industry: Pave Edge Rigid, Flex, and Industrial Restraint Systems; installation tools; cleaners, sealers, and masonry adhesives.	Free				✔					
Pine Hall Brick P.O. Box 11044, Dept. TB Winston Salem, NC 27116 800-334-8689	Products include: Pavers, face brick, special shape brick, interlocking clay pavers — English Edge, which features beveled edges, spacer nibs, and Old Towne which has textured edges and antique color.	Free *Write in No. 513*		✔		✔		✔		✔	Straight edge pavers, champfered pavers, intergral-colored face brick
Richtex Corp. P.O. Box 3307, Dept. TB Columbia, SC 29230 803-786-1260	Full line of pavers, including a chamfered line with smooth or wire cut textures. Products sizes are: 3-5/8, 7-5/8, 4X8, 8X8, 4X4.	Free *Write in No. 213*		✔				✔			Champfered pavers
Ro-Tile, Inc. 1615 S. Stockton, Dept. TB Lodi, CA 95240 209-334-1380	High-quality extruded concrete tiles and veneer bricks. Products are dense, durable, offer slip resistance, and excellent freeze-thaw characteristics, and are naturally beautiful. Wide variety of shapes and stock and custom colors.	Free *Write in No. 321*			✔						Brick veneer
Robinson Flagstone P.O. Box 208, Dept. TB Fort Washington, PA 19034 215-646-3500	Serves the trade with design and fabrication of Pennsylvania Bluestone. Specializes in custom-cut wall coping, treads, and flagstone, complete with numbered stones and shop drawings. Also used for fireplace mantels and surrounds.	Free *Write in No. 979*			✔		✔				Treads, flagstone
Seneca Tiles, Inc. 7100 S. Country Rd., #23, Dept. TB Attica, OH 44807 800-426-4335, 419-426-3561	Manufacturers of glazed and unglazed natural paver tiles for interior, residential, and commercial use. Custom color and shapes; frost-proof tiles; slip-resistant surfaces.	Free									
Southern Brick P.O. Box 208, Dept. TB Ninety Six, SC 29666 803-543-3211	Company offers bricks in a wide variety of colors and textures, all of which can be used with or without mortar. Colors include the popular flashed range and the warm, subtle brown range.	Free		✔				✔			
Stone Krete Tile Products 1925 N. Potrero Ave., Dept. TB El Monte, CA 91733 818-575-1668	Handmade concrete pavers in an extensive range of sizes (4X4 to 24X24) in 26 colors and 7 finishes, including a sandblast series offering superior slip resistance. Custom colors, various pattern designs, pool coping, and trim.	Free *Write in No. 537*	✔				✔				
Wausau Tile, Inc. P.O. Box 1520, Dept. TB Wausau, WI 54402 800-388-8728, 715-359-3121	Manufacturer of concrete pavers and precast concrete site furnishings: Waste containers, bollards, benches, planters, tree grates, and signs.	Free *Write in No. 412*	✔	✔			✔	✔		✔	
Yankee Hill Brick & Tile 3705 S. Coddington Ave., Dept. TB Lincoln, NE 68522 402-477-6663	Paving brick in varying thicknesses and sizes in 10 color ranges. Firm also supplies pool coping, and makes brick in custom shapes, sizes, and colors.	Free		✔			✔	✔		✔	

More Practical Tips On Restoring Main Street

The PRESERVATION BRIEFS series of practical how-to technology brochures from the Preservation Assistance Div. of The National Park Service contains three BRIEFS of particular interest to people involved with Main Street and Downtown Revitalization programs:

- *Preservation Brief #11 — Rehabilitating Historic Storefronts by H. Ward Jandl*
- *Preservation Brief #12 — The Preservation of Historic Pigmented Structural Glass (Vitrolite and Carrara Glass)*
- *Preservation Brief #25 — The Preservation of Historic Signs by Michael J. Auer.*

These Preservation Briefs can be ordered from the Government Printing Office. Briefs #11 and #12 are available only as parts of a set of Briefs #1-14 (GPO Stock No. 024-005-01026-2 for $13). Brief #25 (GPO Stock No. 024-005-01086-6) is available for $1. Be sure to use the GPO Stock No. when ordering from: Supt. of Documents, P.O. Box 371954, Pittsburgh, PA 15250-7954.

GENUINE HANDMADE BRICK

- Complete line of hand made brick
- Restoration matches
- Full line special shapes
- Pavers, any size or style
- We can solve your brick problems

Old Carolina Brick Company

• ceramic crafters •

475 MAJOLICA RD.
SALISBURY, NC 28147
704-636-8850

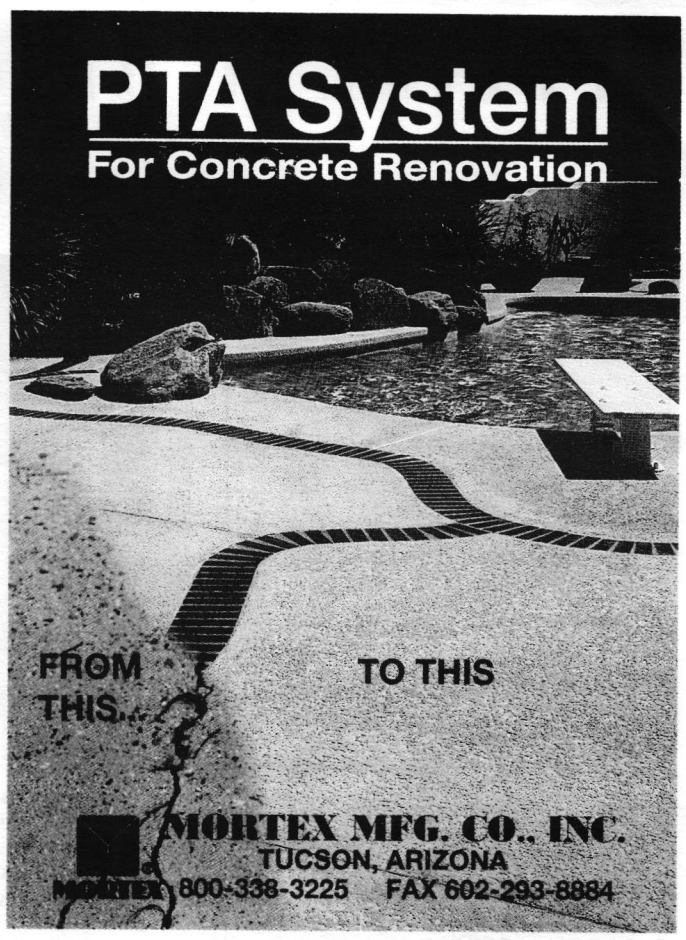
WRITE IN NO. 313

- Manufacturers of handmade concrete pavers for 15 years.
- With extensive range of stock sizes, from 4X4 to 24X24 and capacity to supply custom sizes, too.
- 26 standard color selection plus custom color matching capabilities.
- Various surfaces available, from smooth, slate, limestone to sandblast for the natural stone look.
- Pool coping, stair treads, trim pieces and custom tiles for both interior and exterior applications.
- Perfect choice of architects, designers, landscapers and builders.

STONEKRETE Tile Products

1925 North Potrero Avenue
South El Monte, California 91733
Tel: (818) 575-1668 • Fax: (818) 575-1702

WRITE IN NO. 537



WRITE IN NO. 301

RO-TILE RO-STONE RO-BRICK

The perfect spec for beautiful, durable, naturally slip and frost resistant cement-bodied tiles. Send for your *FREE* copy of Ro-Tile's new full color catalog.

Ro-Tile inc. *Manufacturers of Unique Concrete Products*

P. O. Box 410 • Lodi, CA 95241
(209) 334-1380
Circle Reader Service number below for our new catalog.

WRITE IN NO. 321

The West's Finest

Great brick begins with great clay. Castaic Brick stands atop one of the world's most generous deposits of top quality brickmaking clay. Since its founding in 1950, bricks made from this clay have won the company a reputation for quality and service. Today's Castaic Brick makes use of an ultramodern

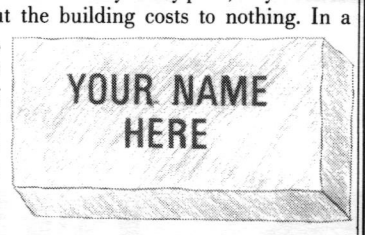
CASTAIC BRICK

manufacturing plant to produce a full line of commercial, common, paving, veneer, and crushed brick. Architects specify fireproof Castaic Brick for its striking appearance, exceptional hardness and consistent color. All available in quantity at competitive prices, in both standard and custom sizes, colors and finishes.

1-800-CASTAIC

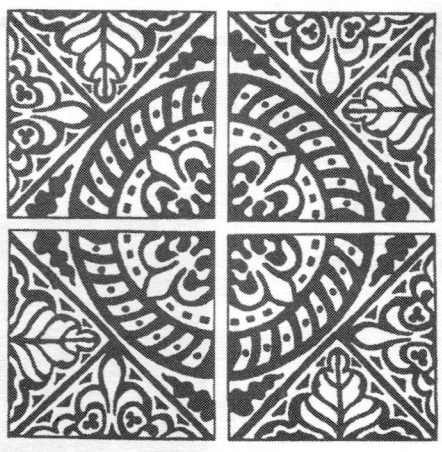
WRITE IN NO. 191

Paving bricks not only can enhance the beauty of any park, they now can generate sufficient funds to cut the building costs to nothing. In a proven study donations of $40, $50, even $100 can easily be obtained by simply inscribing the donor's name into the bricks, giving each individual a lifelong feeling of recognition and ownership.

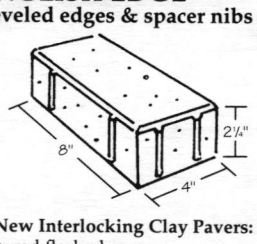


Lewin Brick Lettering
2218 Dixie Hwy., Ft. Mitchell, Ky. 41017
1-800-745-1340 Fax: 1-606-331-1452

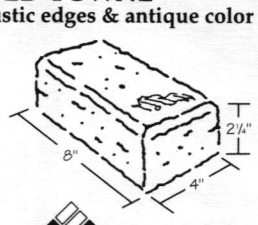
WRITE IN NO. 277



ENGLISH EDGE®
beveled edges & spacer nibs



OLD TOWNE
rustic edges & antique color



New Interlocking Clay Pavers:
- red flashed range
- exceeds ASTM 902C
- cost competitive

800-334-8689

Pine Hall Brick
Winston-Salem, North Carolina

WRITE IN NO. 513

TO OBTAIN

free

COMPANY LITERATURE, USE THE ENCLOSED POSTPAID CARD OR THE COUPON ON *PAGE 89*

FOR

INSTANT

ACCESS TO FREE COMPANY LITERATURE, USE THE "HOT LINK" FAX CONNECTION FORM ON *PAGE 90.*

The newest look in imprinted concrete. Stones range from 1' x 6" to 4' x 4'. Randomly set, this achieves a one of a kind look for each job.

®PATTERNED CONCRETE™

An International Network of Quality Hardscape Craftsmen.
(800) 252-4619 P.O. Box 691015 Tulsa, OK 74169-1015

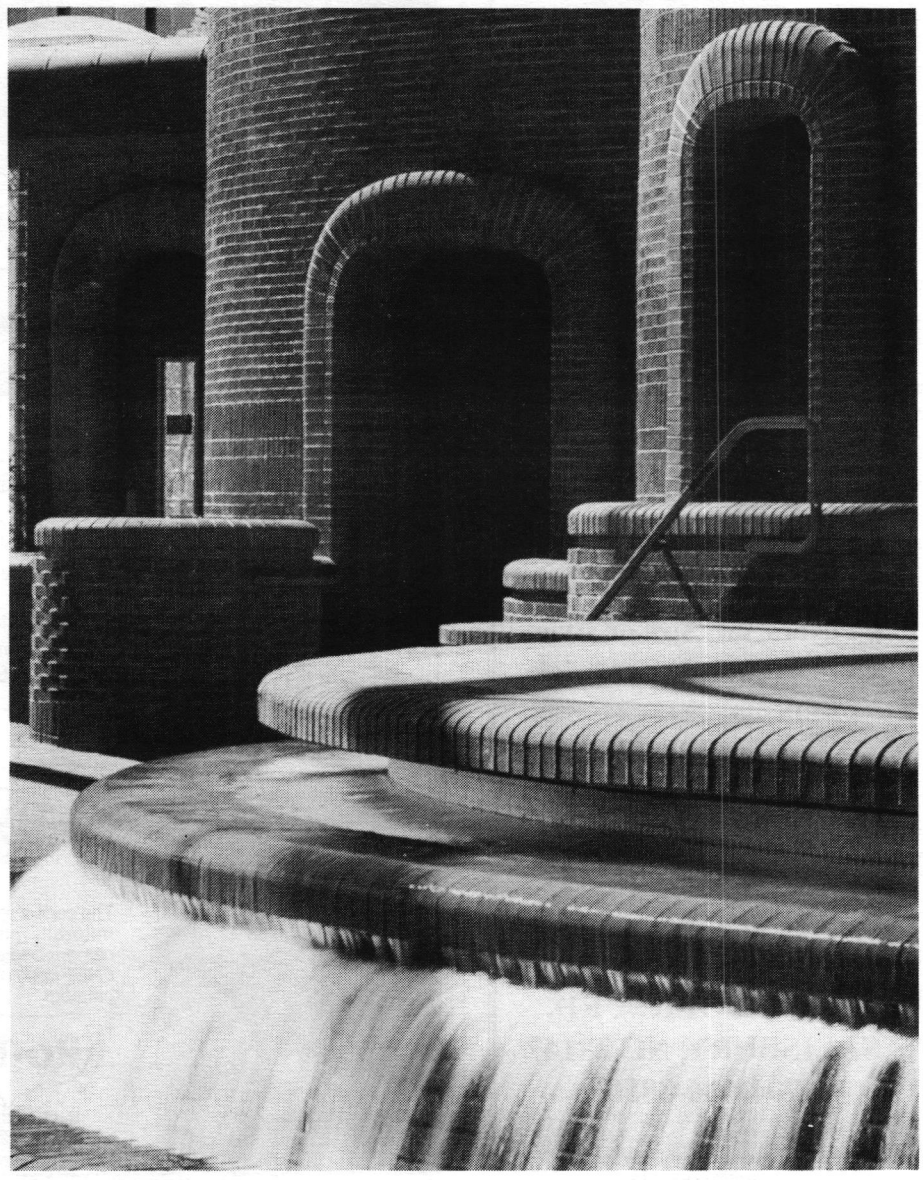
WRITE IN NO. 614

SPECIALTY BRICK & PAVERS PORTFOLIO

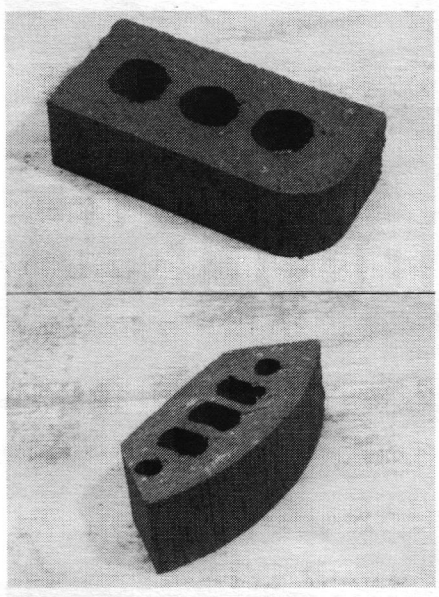
For more information on these companies, consult the SourceList on pp. 34-36.

"Tumblestone" by COLD SPRING GRANITE CO. replicates the look of worn European streets. Cobblestone pavers are split to size, then tumbled against each other to create an aged look. *Write in No. 220*

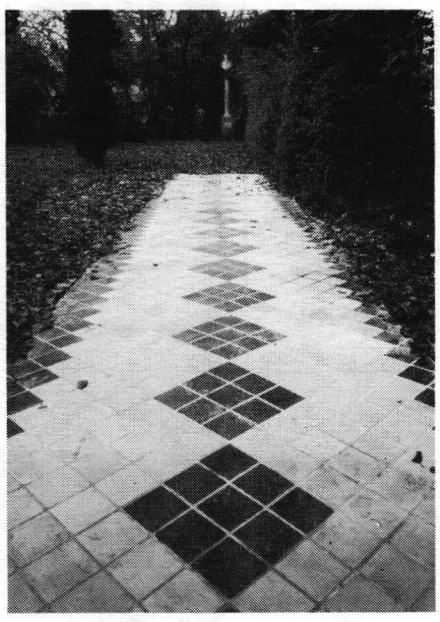
This front stoop is made of standard size "Old Williamsburg" in a herring-bone pattern with half round bullnose step stread and 8X8 in. corners. OLD VIRGINIA BRICK *Write in No. 90*



The use of brick in urban landscape projects offers warmth, versatility, durability, and economy. Shown above is Patriots Square, Phoenix, Ariz. Technical information on all aspects of brick design and construction is available from THE BRICK INSTITUTE OF AMERICA.



ENDICOTT CLAY PRODUCTS CO. manufactures special shape bricks in a multitude of sizes and textures.



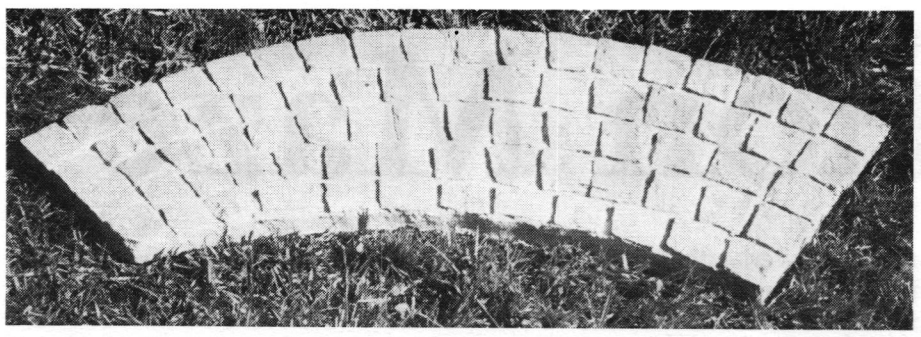
The "Old Stone Series," porcelain pavers by BUCHTAL CERAMICS, is offered in 6X6 in. formats and triangles with 1/2 in. thickness in 9 earthy colors.

CASTAIC BRICK MFG. CO. offers 5 styles of manufactured "used" bricks, as well as wall veneers and pavers. *Write in No. 191*

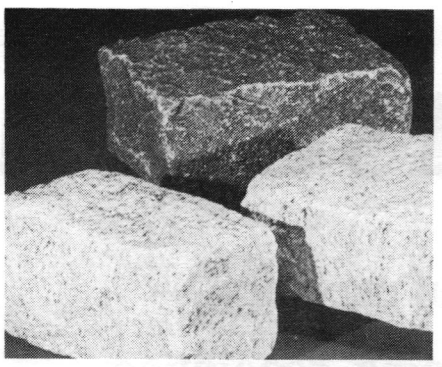
The multi-hued, natural-cleft bluestone used in this pathway offers an attractive pattern, as well as a durable and non-slip paving surface. ROBINSON FLAGSTONES *Write in No. 979*

SPECIALTY BRICK & PAVERS PORTFOLIO

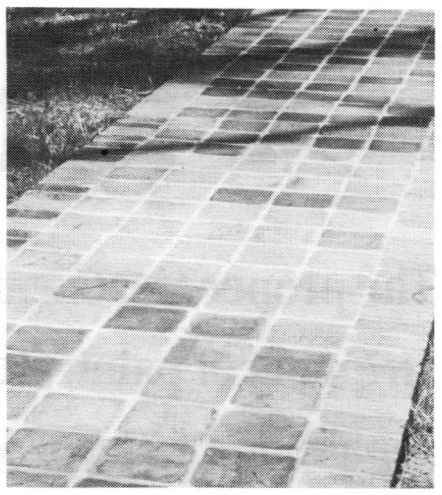
For more information on these companies, consult the SourceList on pp. 34-36.



Natural granite pavers, cobblestones, curbing, steps, benches, and more are available from NEW WORLDWIDE RESOURCES, INC. *Write in No. 312*



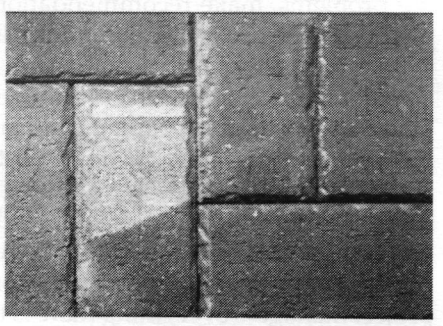
Pink and gray hand-trimmed cobblestones from CONN STONE SUPPLIES



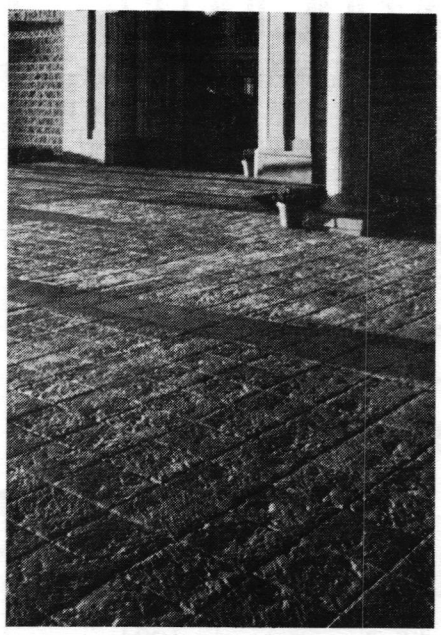
Custom handmade brick pavers from NEW LONDON BRICK WORKS. *Write in No. 556*

"Basketweave Brick" is one of the more than 90 cast-in-place patterns available from BOMANITE CORP.

THE BRICKYARD INC.'s authentic clinker bricks add an unusual design element to installations. The clinkers are available in colors ranging from orange-red to purplish-black. *Write in No. 396*

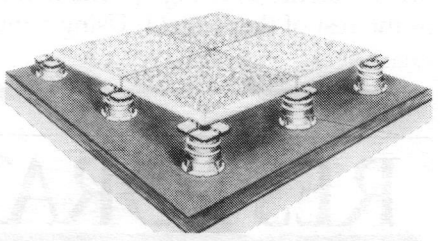


PINE HALL BRICK manufactures pavers specifically designed for sand installations. Shown above are "English Edge" (top) and "Old Towne." *Write in No. 513*



PATTERNED CONCRETE INDUSTRIES, INC. offers a rugged concrete product that can resemble brick, tile, or cobblestones in a variety of patterns, colors, and textures, with optional grouting. *Write in No. 614*

OLD CAROLINA BRICK CO.'S Charlestown #440 hand made bricks were used for the The Lannigan Office, located in Thomasville, Ga. *Write in No. 313*



This drawing shows WAUSAU TILE's "Terra System One Method" for a sloped base installation. Terra Pavers rest on tabs designed to hold the pavers on adjustable supports. *Write in No. 412*

The Masonry Conservation Maze

The proper treatment of masonry — stripping of paint, cleaning, repointing, repair, and waterproofing — is the most complex subject in the preservation arena.

BY CLEM LABINE

There have been more disasters in masonry restoration than any other building restoration category. Almost 20% of the National Park Service's *Preservation Briefs* (six out of 32) are devoted to some aspect of exterior masonry restoration — a greater proportion than is devoted to any other preservation topic. The proper cleaning and waterproofing of stone buildings, especially, can involve sophisticated chemistry. Because masonry conservation can be so complex, it's not surprising to find a welter of conflicting claims and advice in the field.

One major source of problems is contractors unfamiliar with the complexities of old buildings. Many of them have pet materials and processes that they want to use on *every* job. This "one-size-fits-all" approach can have disastrous consequences for historic buildings.

Because of the conflicting claims of materials suppliers and contractors, on some masonry restoration projects there are two groups of professionals involved. The first group: Masonry conservators who analyze the specific building problems, make recommendations, write specifications for materials and methods to be used, and (sometimes) supervise the work of the contractor who is finally selected. The second group is made up of the people on site who are actually doing the work: The various exterior contractors — sometimes assisted by technical support people from manufacturers supplying the materials that have been specified. For example, Integrated Conservation Resources (see the *SourceList* on pp. 42-44) is a building conservation consultant whose primary role is to make technical recommendations on materials and treatments that will be executed by a separate masonry contractor.

Naturally, in this report on Masonry Restoration, we can't tell Main Street project managers everything there is to know about masonry conservation and repair. What we can do, however, is provide a checklist of some of the most common danger areas. For more detailed technical advice, you can contact the companies on the *SourceList*, who have a wide range of experience in dealing with old buildings.

REPOINTING — The mortar joints between brick and stone are designed to be softer than the masonry units; it is expected that the mortar with have to be replaced (repointed) every 50-100 years. The most common mistakes made in repointing are: (1) Careless use of rotary carbide wheels to rake out the old mortar. In unskilled hands, these disks can widen the joint and cut into adjacent brick or stone; (2) Using a portland cement mortar that is harder than the mortar in the rest of the wall; (3) Using a mortar of improper color; (4) Allowing the mortar to overlap the brick or stone. It's not unusual to see a sloppy repointing job transform a handsome brick wall into what looks like a wall of mortar interspersed with tiny bricks.

PAINT STRIPPING — The current popular aesthetic dictates that all painted brick should be stripped down to the "natural" brick. Sometimes, this is a mistake. Some older 19th-century brick is soft and porous and was originally painted to prevent water penetration. Other times, a brick building may have been painted to camouflage sloppy repair jobs. Many an enthusiastic building owner has been dismayed by the appearance of the brickwork that emerged from beneath the paint.

There have been enough warnings over the years about the dangers of removing paint by abrasive cleaning (especially sandblasting) to make further cautions redundant. But you still find enough brick buildings newly gouged and abraded by sandblasting to realize that some people haven't gotten the message.

The preferred paint removal method is to use of one of the available chemical paint strippers. The leading suppliers are included on the *SourceList*.

CLEANING — Cleaning dirt and graffiti from unpainted brick and terra cotta is a relatively straightforward task. A number of the *SourceList* companies supply chemical cleaners that have considerable track records on landmark buildings.

Cleaning stone is another matter. In inexperienced hands, chemical cleaners can react with minerals in the stone, producing unexpected staining or efflorescence. Many experienced building conservators try to clean stone simply with several days of water misting followed by a low-pressure water rinse. If water alone won't do the trick, make sure you have sound technical advice before applying chemicals to landmark stone buildings. And whatever the masonry type, always do a small test patch in an inconspicuous place before committing yourself to the full-scale process.

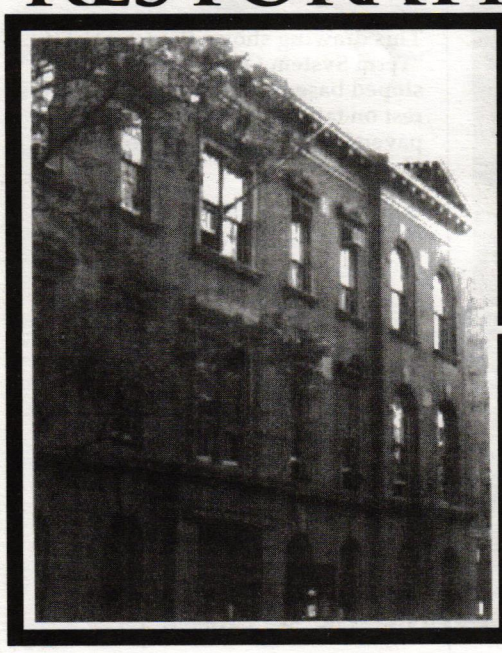
WATERPROOFING — Waterproofing through carefully done re-pointing and re-caulking of construction joints is universally considered sound practice. Waterproofing by applying a masonry sealer to an entire wall surface is a more complicated matter. In areas with freeze-thaw cycles, brick buildings have been damaged by sealers that trap water vapor *inside* the brickwork, which can cause spalling. Before applying a masonry sealer, it's a good idea to get advice from a masonry conservation expert who has experience with landmark buildings. ■

SPECIALTY CUSTOM BRICK

There are a number of brickmakers who will supply hand-molded, custom-matched, and other specialty brick for patching, additions, and the like. A number of these specialty brick sources are listed below. Full contact information for these companies will be found on the Pavers & Brick *SourceList* in this issue on pp. 34-36.

- **The Brickyard • Castaic Brick Mfg. Co.**
- **New London Brick Works • Old Carolina Brick Co.**
- **Old Virgina Brick Co. • Pine Hall Brick • Yankee Hill Brick & Tile**

RESTORATION CONCEPTS



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WRITE IN NO. 319

Instant Access to Product Literature for MASONRY RESTORATION

If your office qualified to receive the 1994 TRADITIONAL BUILDING CATALOG, you'll find prefiled product literature there for the following suppliers products for Masonry Restoration:

- **Abatron**
- **Ahrens Chimney Technique**
- **Boston Valley Terra Cotta**
- **The Brickyard**
- **Golden Flue Systems**
- **National Supaflu Systems**
- **Robinson Flagstone**

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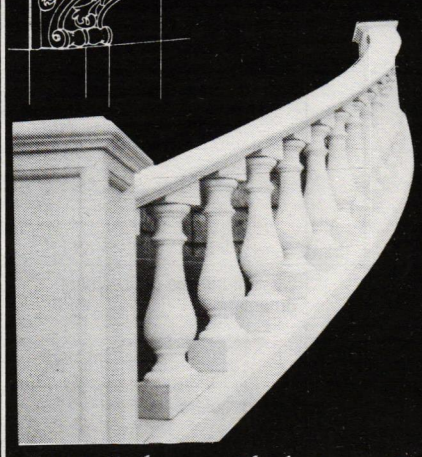

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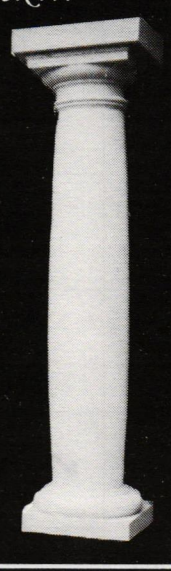

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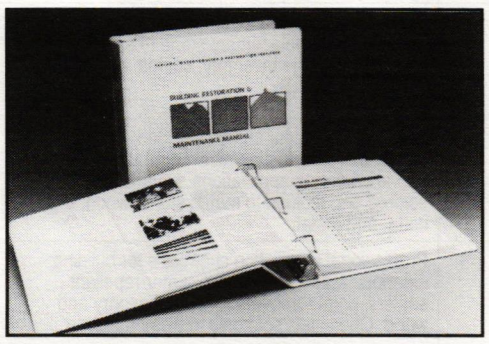

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WRITE IN NO. 601

TRADITIONAL BUILDING's MASONRY RESTORATION *SourceList*

CSI# 04500

✔ COMPILED BY CLEM LABINE

COMPANY	SPECIALTY	Literature	Brick,Stone Cleaners	Paint Strippers	Masonry Patching Materials	Replacement Stone	Brick Matching	Terra Cotta Replacement	Graffiti Removal	Other Products & Services
Abatron, Inc. **P.O. Box 217, Dept. TB** **Gilberts, IL 60136** **800-445-1754**	Restoration systems include LiquidWood - a penetrating epoxy wood consolidant and WoodEpox - an epoxy wood paste for wood replacement; Abocrete for patching and resurfacing concrete; and Abojet for crack -injection; and MasterMold compound for moldmaking.	Free *Write in No. 130*			✔					Mold-making resins
American Building Restoration Products **9720 South 60th Street, Dept. TB** **Franklin, WI 53132** **414-421-4125**	Manufactures a wide array of masonry cleaners, strippers, and sealers. Masonry restoration products are sold through dealers.	Free	✔	✔					✔	Waterproofers
AOI Waterproofing **649 Morgan Ave., Dept. TB** **Brooklyn, NY 11222** **718-388-0900**	Terra cotta replacement in precast concrete and GFRC. Complete exterior restoration services, including repair of limestone, brick, and other structural work.	Free *Write in No. 45*					✔	✔		Masonry cleaning, waterproofing, pointing & caulking, repairs on limestone, brick, terra cotta
Apple Restoration and Waterproofing **132 Bedford Ave., Dept. TB** **Brooklyn, NY 11211** **718-599-5055**	Field specialist in cleaning, restoration, repair, and installation of terra cotta and other traditional and historic masonry materials. Contractors.	Free					✔	✔		Masonry cleaning, waterproofing, pointing & caulking, repairs on limestone, brick, terra cotta
Ball Consulting **338 14th St., Suite 201, Dept. TB** **Ambridge, PA 15003** **412-266-1502**	Supplies Forton modified gypsum casting system for the replication and replacement of exterior molded ornament. Also provides consulting, studio training, prototyping, and technical services.	Free *Write in No. 726*			✔					Polytek molding systems, Forton polymer-modified gypsum casting systems, GFRC
Boston Valley Terra Cotta **6860 S. Abbott Rd., Dept. TB** **Orchard Park, NY 14127** **716-649-7490**	Produces architectural terra cotta for like-kind facade replacement. Site and survey work; drawings and photos; moldmaking; fine detail work. Restoration and new construction.	Free *Write in No. 16*						✔		Custom casting of terra cotta
Briar Hill Stone Co. **12470 State Route 520, Dept. TB** **Glenmont, OH 44628** **216-377-5100**	Custom-cut and carved sandstone to match original architectural elements. Many colors of sandstone. Stone for both restoration and new construction.	Free *Write in No. 89*				✔				
Cathedral Stone Products **8332 Bristol Court, Suite 107, Dept. TB** **Jessup, MD 20794** **301-317-4658**	Jahn Restoration Mortars are cement-based materials that are custom-made to closely match the physical and visual properties of the substrate. Casting mortar and injection grouts available.	Free			✔					
Cathedral Stoneworks **1047 Amsterdam Ave., Dept. TB** **New York, NY 10025** **212-316-7457**	Sophisticated architectural sculpture and carved stone executed by international teams of master carvers. Hand embellishment of profiled moldings produced with CAD,CAM technology. Fast turnaround and high volume capacity.	Free				✔				Custom stone carving
CINTEC America, Inc. **700 Cathedral St., Suite 102, Dept. TB** **Baltimore, MD 21201** **800-363-6066**	Stainless steel/cementitious anchors pin loose masonry and terra cotta. Customized units are resin-free and carry 2-hr. fire rating. Have been used on many historic landmark projects in the U.K. and North America.	Free								Masonry anchors
Conproco Coatings **P.O. Box 16477, Dept. TB** **Hooksett, NH 03106** **800-258-3500, 603-626-5100**	Manufacturer of products for the repair, restoration, and protection of concrete, masonry, and stone. "Mimic" is a color-matched repair mortar for substrates such as limestone, sandstone, terra cotta, brownstone, and cast concrete.	Free *Write in No. 481*			✔					Color-matched masonry repair mortar
Delaware Quarries, Inc. **Rte. 32, River Road, Dept. TB** **Lumberville, PA 18933** **215-297-8133**	Specialists in cutting to architectural specifications and matching replacement stone to existing wall conditions. Large inventory; custom blends for building renovation.	Free				✔				
Design-Cast Materials Division **951 Pennsylvania Ave., Dept. TB** **Trenton, NJ 08638** **609-392-1922**	Interior and exterior custom-molded ceramic stone laminates (columns, cornices, etc.) designed for non-loadbearing applications. Material can be colored and molded to match stone, wood, terra cotta, and metal.	Free *Write in No. 651*				✔		✔		Custom-molded replacement ornament
Diedrich Technologies **7373 So. 6th St., Dept. TB** **Oak Creek, WI 53154** **800-323-3565**	Professional restoration chemicals for building exteriors: Masonry cleaners, water-repellant sealers, paint removers for both masonry and wood. Chemicals sold only to distributors.	Free	✔	✔						Waterproofers
DMS Studios **5-50 51st Ave., Dept. TB** **Long Island City, NY 11101** **718-937-5648**	Sculpture studio specializes in traditional cast and handcarved stone architectural and landscape ornaments and elements. Will sculpt, carve, model, or fabricate anything in stone.	Free *Write in No. 910*				✔				Custom stone carving and cast ornament
D.E. Dodroe Co. **P.O. Box 22331, Dept. TB** **Seattle, WA 98122** **206-722-6481**	Restoration of terra cotta, stone, and other masonry materials.	Free *Write in No. 601*						✔		Sculpture
Dominion Restoration **2251-B Dabney Road, Dept. TB** **Richmond, VA 23230** **804-359-4400**	Makes 22 mild and environmentally safe paint strippers and masonry cleaning solutions for cleaning all surfaces, including tile and terra cotta. Products contain no mineral acids.	Free *Write in No. 231*	✔	✔					✔	Efflorescence removal
Downstate Restorations **1944 W. Superior, Dept. TB** **Chicago, IL 60622** **312-738-3256**	Contractor,consultant for specialized cleaning, pointing, paint stripping, and restoration of building facades to Secty. of Interior standards. Historic research, specification preparation, field testing.	Free			✔					Masonry cleaning, paint stripping, pointing & caulking, facade maintenance
Dumond Chemicals - Peel Away **1501 Broadway, Dept. TB** **New York, NY 10036** **212-869-6350**	'Peel Away' paint removal system: A paste covered with fabric that lifts paint away. Easy cleanup and disposal. Several formulations; especially suited for intricate ornament and lead abatement; no fumes, no flammable solvents.	Free *Write in No. 590*		✔						Lead-abatement system
Edison Chemical Systems **25 Grant Street, Dept. TB** **Waterbury, CT 06704** **203-597-9727**	Custom repair materials for stone, masonry, and concrete. Terra cotta glaze replacement system. Custom matching of sandstone, terra cotta, granite, brick, and concrete. Waterproof decorative coatings, penetrating sealers, color stain, anti-graffiti coatings, crack repair, adhesives.	Free *Write in No. 215*			✔					All masonry, stone, & concrete repair, restoration, & maintenance materials

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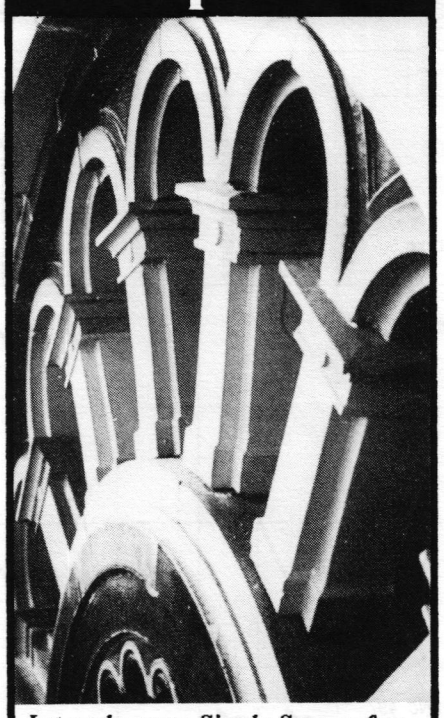

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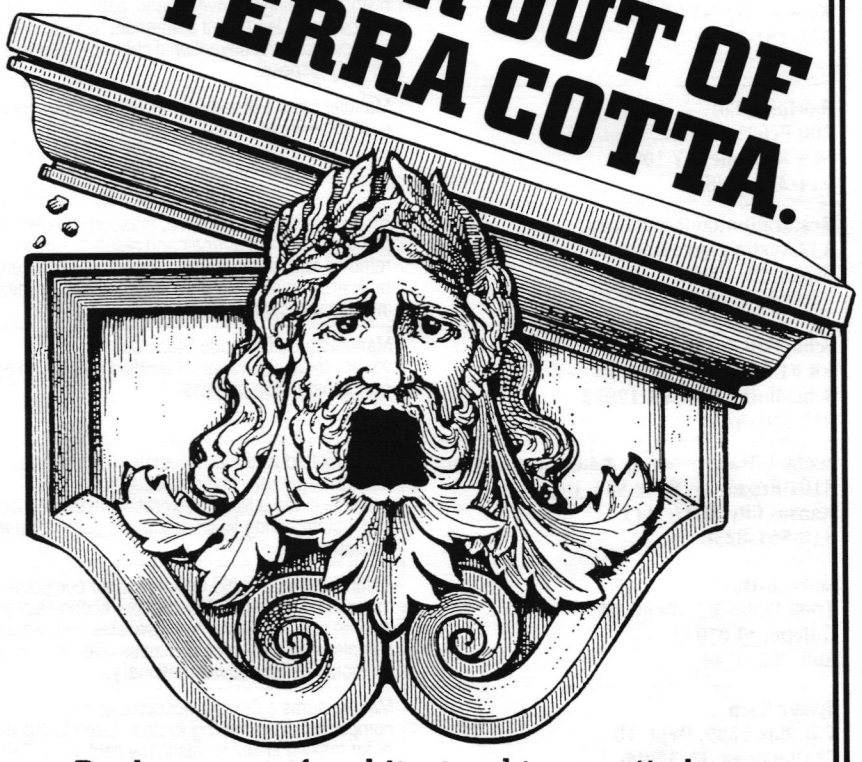

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WRITE IN NO. 45

TRADITIONAL BUILDING's MASONRY RESTORATION *SourceList*

CSI# 04500

✔ COMPILED BY CLEM LABINE

COMPANY	SPECIALTY	Literature	Brick,Stone Cleaners	Paint Strippers	Masonry Patching Materials	Replacement Stone	Brick Matching	Terra Cotta Replacement	Graffiti Removal	Other Products & Services
General Restoration Co. **880 E. 141st St., Dept. TB** **Bronx, NY 10454** **718-585-4141**	Major contractor specializing in restoration of commercial and landmark facades: Masonry cleaning, pointing, caulking, and waterproofing. Repair and replacement of brick, stone, and terra cotta.	Free *Write in No. 238*				✔	✔	✔		Masonry cleaning, waterproofing, pointing & caulking, repairs on limestone, brick, terra cotta
Graciano Corp. **7925 Hill Avenue, Dept. TB** **Pittsburgh, PA 15221** **412-242-5700**	Specialists in masonry restoration, tuck pointing, facade cleaning, caulking and sealants, waterproofing, stone work, and specialty terra cotta repair and replacement.	Free						✔		Masonry cleaning, waterproofing, pointing & caulking, facade maintenance
Integrated Conservation Resources **10 Columbia Place, Dept. TB** **Brooklyn, NY 11201** **718-858-5648**	Architectural conservators and skilled craftspeople who offer a full range of consulting services, addressing all building materials, as well as full masonry restoration services, condition surveys, field mock-ups, comprehensive project planning and management.	Free *Write in No. 272*				✔	✔		✔	Masonry cleaning, paint stripping, pointing & caulking, facade maintenance
K&E Chemical Company **3960 E. 93rd Street, Dept. TB** **Cleveland, OH 44105** **216-341-0500**	Manufacturer of 'Klenztone' formulations for the professional paint stripping, cleaning, maintaining, and protection of natural stone, brick, and concrete.	Free *Write in No. 497*	✔	✔						Surface preparation chemicals for coating masonry surfaces
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Limestone Concepts **1948 Del Amo Blvd., Unit D** **Torrance, CA 90501** **310-787-1661**	Offers fabrication of limestone architectural pieces carved in the French tradition, from Gothic to contemporary styles. Projects include architectural ornament, fountains, columns, moldings, benches, statuary, and more.	Free *Write in No. 539*				✔				Custom-carved stone
Marble Lite **255 5th Avenue, 3rd Floor, Dept. TB** **New York, NY 10016** **212-779-8305**	Refinishing of marble, terrazzo, granite, and other stones. Stain removal and crack repair. Restoration of floors, walls, lobbies, bathrooms, steps, and fireplaces. Commercial and residential.	Free *Write in No. 300*								Marble cleaning, restoration, polishing
Master Bond, Inc. **154 Hobart Street, Dept. TB** **Hackensack, NJ 07601** **201-343-8983**	Manufactures a line of masonry repair,consolidation epoxy materials: Adhesives, sealants, and coatings.	Free			✔					
Portland Brownstone Quarries **130 Braemar Drive, Dept. TB** **Cheshire, CT 06410** **203-250-1502**	Producer of Portland brownstone quarry blocks. Can arrange to have blocks fabricated to final product, such as ashlar, veneer, sills, lintels, treads, etc. Also produce rough veneer, wallstone, and flagstone.	Free				✔				
ProSoCo, Inc. **PO Box 171677, Dept. TB** **Kansas City, KS 66117** **913-281-2700**	'Sure Klean' masonry cleaners, paint strippers, and graffiti removers have been used extensively on historic buildings. 'Enviro Klean' paint and coating removers for lead paint abatement reduce risks associated with conventional chemical strippers and simplify disposal.	Free *Write in No. 669*	✔	✔	✔				✔	Masonry cleaning, stone & brick consolidation, waterproofing, pigeon control netting, chemical damp-proof course, anti-graffiti coatings
Rawlplug Co. **200 Petersville Rd., Dept. TB** **New Rochelle, NY 10802** **914-235-6300**	Manufactures a broad line of concrete, masonry, and adhesive anchors.	Free								Masonry anchors
Restoration Concepts Corp. **432 Austin Place, Dept. TB** **Bronx, NY 10455** **718-402-3400**	Stone repair and replication, masonry cleaning and pointing, terra cotta repair and resetting, brick removal and replacement, brownstone repair and replication, quarry tile deck replacement. Probes, investigations, and reports.	Free *Write in No. 319*					✔	✔		Masonry cleaning, waterproofing, pointing & caulking, repairs on limestone, brick, terra cotta
Schuylkill Stone, Inc. **RR #1 Box 1188, Dept. TB** **Schuylkill Haven, PA 17972** **717-385-4221**	Manufactured Eldorado Stone building stone veneer for a wide range of building renovation and new construction projects.	Free *Write in No. 356*				✔				
Sealant, Waterproofing & Restoration Inst. **3101 Broadway, Suite 585, Dept. TB** **Kansas City, MO 64111** **816-561-8230**	Non-profit educational association with a wide variety of manuals and publications on many subjects in the building restoration, maintenance, and waterproofing fields. Complete publication list available.	Free *Write in No. 625*								Manuals and publications on masonry and waterproofing.
Smooth-On **1000 Valley Rd., Dept. TB** **Gillette, NJ 07933** **800-762-0744**	Extensive line of mold-making rubber compounds that can be poured or brushed on; economical and easy to use. Technical help available; free working samples and $15 video describes making a brush-on mold. Distributed internationally.	Free *Write in No. 65*								Rubber mold compounds, rigid casting resins
Synair Corp. **P.O. Box 5269, Dept. TB** **Chattanooga, TN 37406** **615-698-8801**	Manufactures a flexible, economical, two-component mold-making system. Used in the studio or for making in-situ molds in the field. Also: Two-component urethane casting resin.	Free *Write in No. 725*								Mold-making and casting materials
Thoro System Products **7800 NW 38th Street, Dept. TB** **Miami, FL 33166** **800-327-1570**	Manufactures a broad range of waterproofing products, including six different formulations of clear water repellents.	Free								Waterproofing products
Tuff-Kote Co. **210 N. Seminary Ave., Dept. TB** **Woodstock, IL 60098** **815-338-2006**	Manufactures a masonry crack-bridging system consisting of an open-weave glass fiber fabric that is embedded in a heavy-bodied pigmented compound. System permits cracks to move without causing re-cracking or leaks.	Free			✔					
Van Horn, Metz & Co. **201 E. Elm Street, Dept. TB** **Conshohocken, PA 19428** **215-828-4500**	Supplies natural clay poultices for cleaning building surfaces and statuary safely and economically. Removes dirt deposits, salts, etc. Will not affect stone's integrity or surface detail.	Free	✔							Poultice materials

Architectural Stone

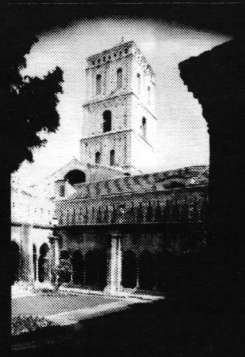
Our locally manufactured building stone veneer - made from natural stone components - is ideal for both commercial and residential projects.

Its unique features:

- *Lightweight*
- *Durable*
- *Molded exactly to simulate any stone*
- *Easy to install*
- *Inexpensive*
- *Fireproof*
- *Maintenance free*
- *No special structural support needed*

Schuylkill Stone, Inc.
RD#1 Box 1188, Schuylkill Haven, PA 17972
717-385-4221 Fax 717-385-5293

WRITE IN NO. 356



INTEGRATED
CONSERVATION RESOURCES, INC.

10 COLUMBIA PLACE
BROOKLYN, NY 11201
TEL: (718) 858-5648
FAX: (718) 858-5657

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Integrated Conservation Resources, Inc. facilitates any project by combining comprehensive conservation services with the implementation of conservation procedures. Our services include:

- Existing conditions surveys
- Materials analysis
- Restoration program development
- Site Supervision
- Project Implementation

From the laboratory to the scaffold, our staff of conservators, scientists, and craftsmen ensure a consistent, high level of project quality.

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WRITE IN NO. 272

PEEL AWAY™

PEEL AWAY PAINT REMOVAL SYSTEMS

WORLD WIDE PATENTS GRANTED OR PENDING. US PATENT NO. 4426250

THE OBVIOUS SOLUTION FOR RESTORATION PROBLEMS

The PEEL-AWAY Paint Removal System is a unique package of specially developed chemicals, machinery and expertise designed to remove multiple layers of paint efficiently and safely from most surfaces. Up to **thirty (30) coats** of paint have been removed in a single application and there are **NO FUMES AND NO FLAMMABLE SOLVENTS.** PEEL-AWAY works well on most surfaces ie: **wood, plaster, brick, masonry, cast iron, marble, fiber glass,** etc. It is especially effective in removing paint from intricate detailed and carved areas. It is the safest system for removing old lead based paint.

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- and other Stones Refinished
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SURE-KLEAN® Restoration Cleaners
ConserVare® Stone Strengtheners Weather Seal Protective Treatments

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WRITE IN NO. 669

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New York, NY 10035

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(212) 348-3642 (FAX)

Specialists since 1970

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- BRICKWORK
- ROOFING
- LOCAL LAW #10

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Steve Katz, *President*
Barry Grummer, *Vice President*
Lori Ann Simon, *Director of Marketing*

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WRITE IN NO. 591

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•CONCRETE •GRANITE •MARBLE
•FIELD STONE •STUCCO
•PIGMENTED CONCRETE

MASONRY RESTORATION WITHOUT SURFACE DAMAGE

Our two exterior cleaning formulas are the safest and easiest systems for cleaning masonry surfaces. Non-hazardous and environmentally safe, **KLENZTONE** penetrates the pores and releases dirt so it can be rinsed clean. Brushed, sprayed, or rolled on, **KLENZTONE** cleans, brightens, and preserves all weathered and grimy masonry surfaces. And no expensive equipment is required. Call us today for a free sample. One simple patch test will prove **KLENZTONE**'s superiority. (Also ask about our interior stone cleaning products, too!)

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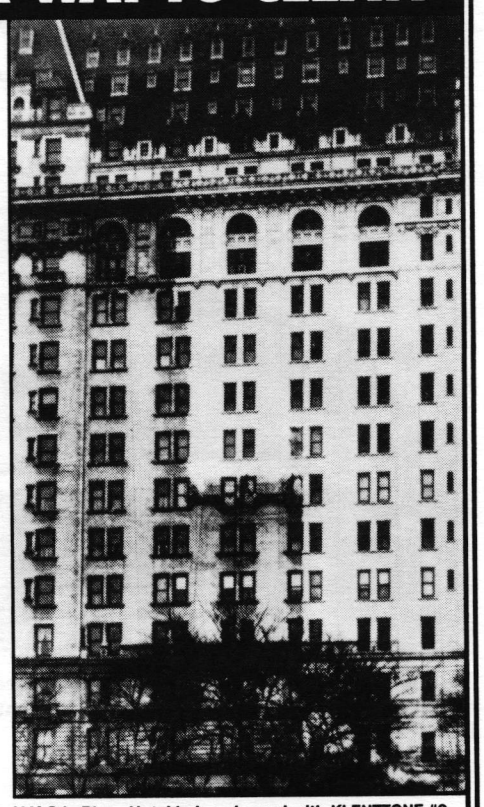
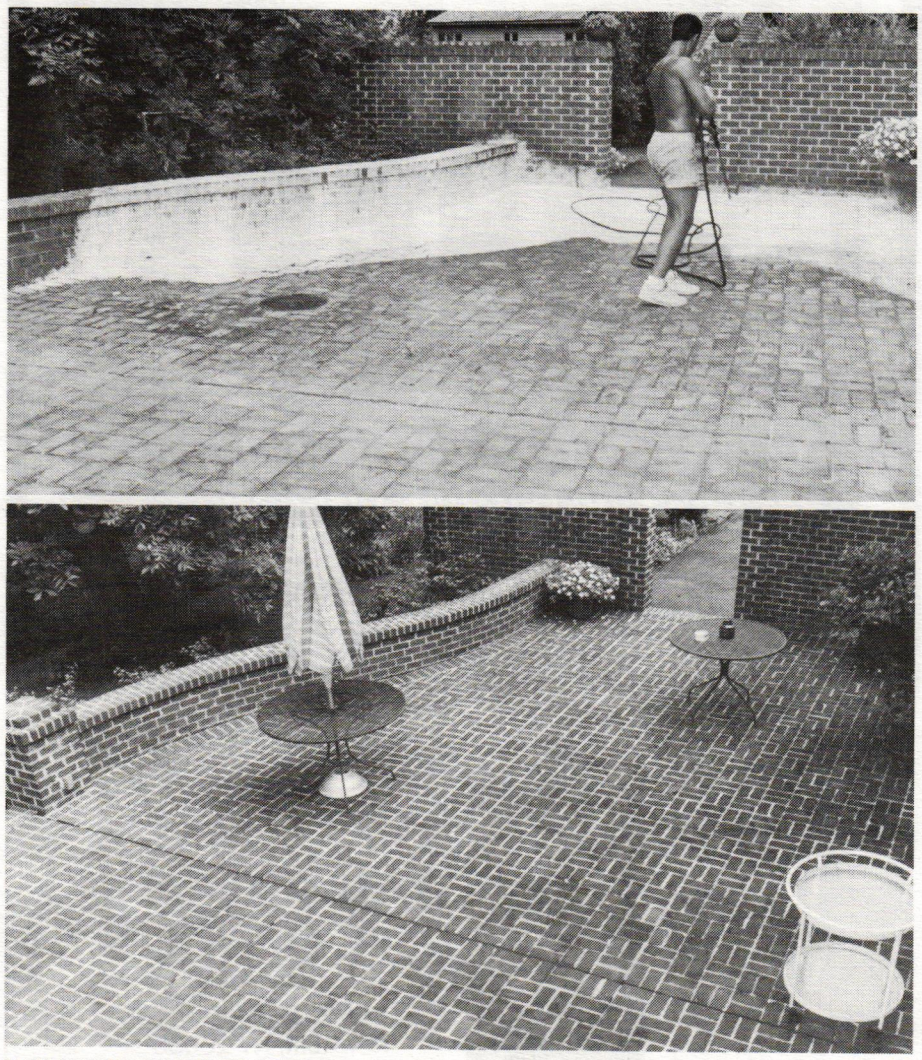


N.Y.C.'s Plaza Hotel being cleaned with KLENZTONE #2.

WRITE IN NO. 497

MASONRY RESTORATION PORTFOLIO

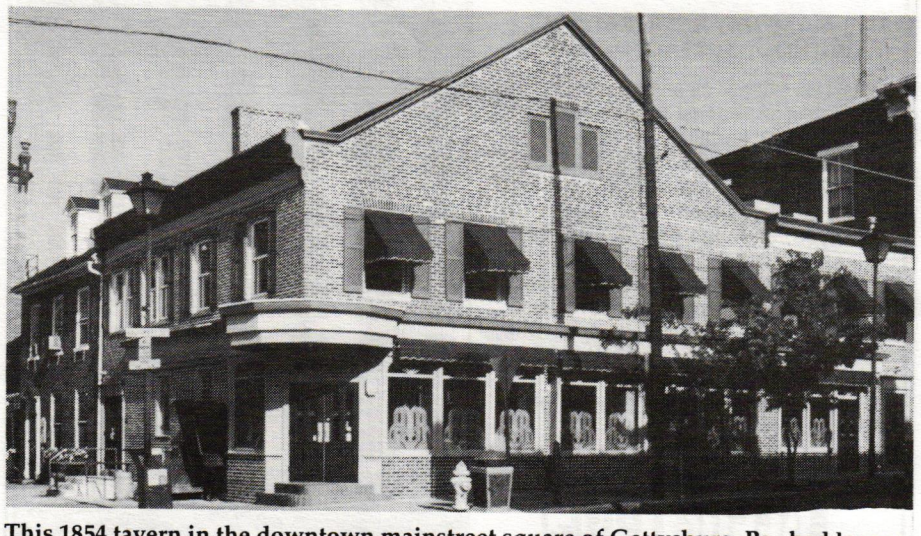
For more information on these companies, consult the SourceList on pp. 42-44.



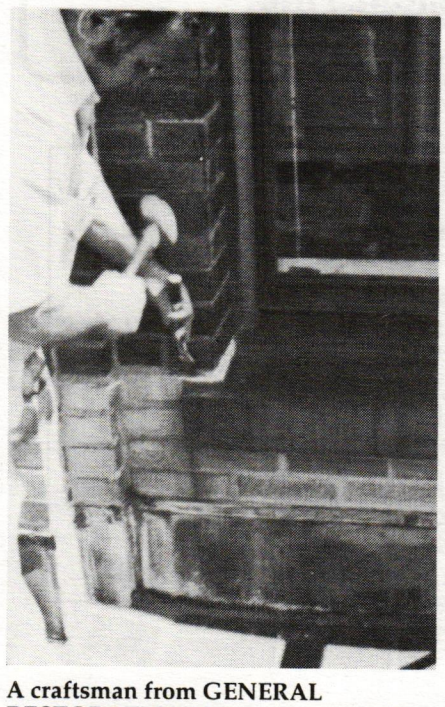
DOMINION RESTORATION specializes in mild masonry cleaners that avoid the use of mineral acids. In the top photo, "Bio-Cleanse" is used to remove dirt, mold, and mildew from brick pavers (the reaction with organic matter turns the material white.) After a 20-minute soak, a water wash leaves the brick completely clean. *Write in No. 231*

On this major commercial building, AOI WATERPROOFING is replacing approximately 2,000 terra cotta units with pre-cast concrete and GFRC on two cornice bands. *Write in No. 45*

Graffiti on this downtown retail store is powered off with 800 Fast Acting from AMERICAN BUILDING RESTORATION. The strong high-alkaline cleaner was designed for use when graffiti has marred unpainted masonry.



This 1854 tavern in the downtown mainstreet square of Gettysburg, Pa., had layers of old paint removed with DIEDRICH Paint Remover 606, then cleaned with Brick Restorer 101.



A craftsman from GENERAL RESTORATION CO. removes existing deteriorated sealant from construction joints, prior to recaulking with a long-life acrylic terpolymer sealant. *Write in No. 238*

GRACIANO CORP. handled the $4.5-million exterior masonry restoration on this 1892 landmark Romanesque Revival post office. The contracting firm executes large masonry preservation, repair, and restoration projects coast to coast.

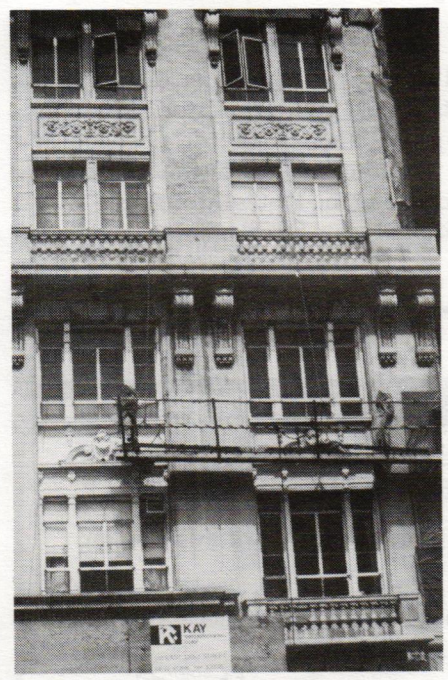
MASONRY RESTORATION PORTFOLIO

For more information on these companies, consult the SourceList on pp. 42-44.

For the restoration of Grand Central Terminal in New York City, INTEGRATED CONSERVATION RESOURCES developed recommendations for treatment of all interior masonry materials, and conducted a survey of all pointing and patching mortars on the exterior. *Write in No. 272*

The Michigan State Capitol has decades of accumulated soot and grime removed with Klenztone #1 from K&E CHEMICAL CO. *Write in No. 497*

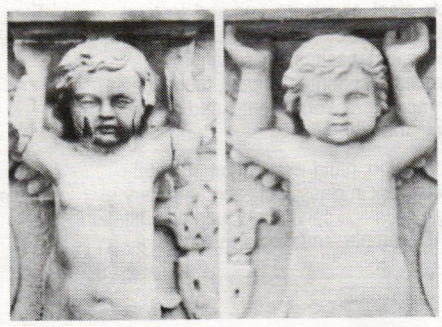
The historic brickwork and limestone trim of the Denver Dry Goods building, in downtown Denver, CO, had disappeared under a dozen layers of hazardous lead-based white paint averaging 1/8" thick. After extensive testing, it was found that the *PEEL AWAY 1* system from DUMOND CHEMICALS would remove all the layers of paint in one application, while safely keeping all the lead-paint safely contained on the peel-off cloth. *Write in No. 590*



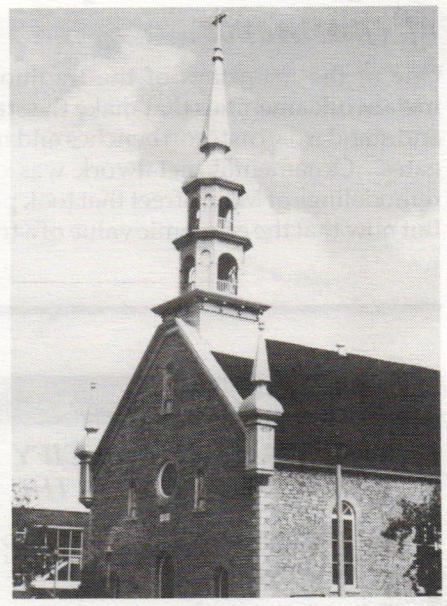
KAY WATERPROOFING CORP. carried out a total program of masonry repair, cleaning, and waterproofing on this landmark building. *Write in No. 591*

The contour generating machine in the mill of BRIAR HILL STONE CO. permits economical cutting of custom jobs. Shown above is the upper replacement cornice, bonnet, and lower cornice in cut sandstone, fabricated for the restoration of Meadowport Arch, Prospect Park, Brooklyn, N.Y. *Write in No. 89*

Exterior molding is repaired with Conpro-set — a polymer-modified all-purpose patching cement that can be shaved to final form. CONPROCO makes a wide range of masonry repair and restoration products. *Write in No. 481*

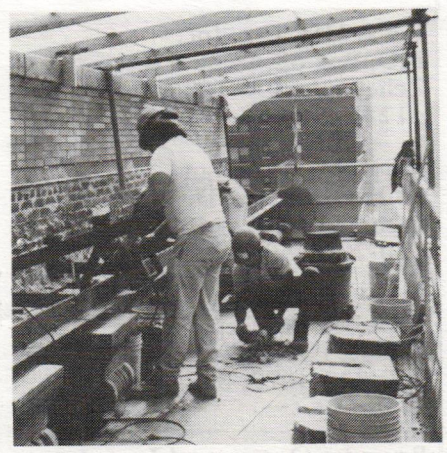


Damaged sandstone figure (left) has been restored (right) with Custom System 45 from EDISON CHEMICAL SYSTEMS. *Write in No. 215*



The invisible "sock-and-pin" masonry anchoring system from CINTEC was used to re-secure loose masonry elements on this historic church.

The terra cotta ornament on this San Antonio building lay hidden for years beneath layers of white paint. The terra cotta was restored to pristine beauty with PROSOCO's "Heavy Duty Paint Stripper." *Write in No. 669*



On this university building, craftsmen from RESTORATION CONCEPTS are engaged in a cornice restoration/ rebuilding project: Steel armatures cleaned and repaired, new steel shelf angle put in place, and new cast concrete elements and salvaged terra cotta masonry installed. *Write in No. 319*

Metalwork Re-Emerges On Main Street

The products of Vulcan's forge are once again being accorded a place of honor in the temples of commerce.

One of the mainstays of the traditional downtown shopping district is the metalwork amenities that make the streetscape so inviting: Historic luminaires and standards, cast-iron benches and tree grates, and wrought-iron fencing and gates. Ornamental metalwork was one of the casualties of the less-is-more remodelings of Main Street that took place during the 1950's through the 1970's. But now that the economic value of a traditional Main Street is being recognized all across the country, the demand for historically styled exterior metalwork is increasing accordingly.

One of the main attractions of metalwork is its ability to be easily and economically fabricated into ornamental surfaces and shapes: Filigreed cresting, sculptural canopies, eye-catching weathervanes and finials, sheetmetal cornices — and even entire cast-iron facades.

Another characteristic of ornamental metal — especially cast metal — that makes it popular with downtown planners is its durability. Through trial-and-error, Main Street managers have learned to take the long view and consider maintenance costs and longevity when specifying materials for downtown revitalizations. Looked at over the full life cycle, cast metal — especially for applications that have high public exposure — is more economical than many ersatz materials that carry smaller initial price tags. As an extra benefit, metalwork is more easily repaired than many of the lookalike materials.

To assemble the following *SourceList* of Exterior Ornamental Metalwork suppliers, we contacted 109 companies. From the replies, we selected the 43 firms listed here as being the most relevant for our readers. Some of the manufacturers, like Robinson Iron, have been in continuous production for decades, and can cast benches and fountains from original 19th century molds. Others, such as Architectural Iron Design and J.G. Braun Co., supply stock ornamental cast and wrought elements that a local ironworker can incorporate into your own custom designs. Still other shops, like Forging A Future, essentially offer the skills of individual artists to custom-replicate missing elements — or to realize almost any design imaginable in metal. Mike Chisham, proprietor of Forging A Future, stresses the importance of bringing the artist or craftsperson in during the early stages of design to take full advantage of his or her experience. "In blacksmithing, you have an unlimited variety of shapes and forms. One is only limited by imagination. But the ironworker's knowledge of production processes and techniques, if utilized early in the design process, can help formulate successful designs that are also economical to produce." — *SG*

CLIP and FILE

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Let the metalwork pros detail your ironwork for **workable design within budget.**

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FINE ARCHITECTURAL METALSMITHS
P.O. Box 30
Chester, NY 10918
Phone (914) 651-7550 Fax (914) 651-7857

Because award-winning landscapes deserve award-winning ironwork.

WRITE IN NO. 264

TRADITIONAL BUILDING's EXTERIOR ORNAMENTAL METAL *SourceList*

CSI# 05700

COMPILED BY SHARON GARBE

COMPANY	SPECIALTY	Literature	TYPES OF METALWORK											Other	% Custom
			Fences & Gates	Cornices	Canopies	Cresting	Grilles	Vanes & Finials	Vault Lights	Furnishings	Sculpture	Storefronts	Doors & Entries		
Adornments For Architecture 309 Hollow Rd., Dept. TB Staatsburg, NY 12580 914-889-8390	Custom fabricator creates finials, capitals, cresting, and other architectural embellishments in cast aluminum, bronze, FRP, and wood. Design collaboration, pattern and model making.	Free *Write in No. 749*	★	★	★	★	★	★			★				50%
All Ornamental Iron Work P.O. Box 52, Dept. TB Gilbertsville, PA 19525 610-754-9790	Custom design and fabrication of gates, fences, railings, stone or brick columns and walls, and automatic gate openers. Other products: Fountains, furniture, lighting posts, and copper-roofed gazebos.	Free	★							★	★			Railings, balconies	90%
Alloy Casting Co., Inc. 3900 Peachtree Rd., Dept. TB Mesquite, TX 75180 800-527-1318	Custom ornamental aluminum castings, including cresting, grilles, furnishings, and sculptured Victorian pickets. Custom capabilities from design through finishing. Also offers wood carving, tooling, electroplating, and powder coating.	Free *Write in No. 468*			★	★	★		★	★				Aluminum castings	30%
Architectural Iron Design, Inc. 167 Dey St., Dept. TB Jersey City, NJ 07306 800-784-7444, 201-222-7444	Designers and fabricators of quality hot-forged gates, railings, balconies, grilles, arbors, and more. Also exclusive distributor for B. Rourke & Co.'s forged components (available to trade customers).	Free *Write in No. 795*	★				★							Forged-iron components	90%
Besco Mfg. Co., Inc. P.O. Box 68, Dept. TB Zelienople, PA 16063 412-452-8430	Custom sandcast-aluminum decorative and architectural products. Size capability ranges from inches to 22 ft. Sculpting, casting, original design and reproduction; a variety of finishes is available.	Free				★	★			★	★		★	Sunscreens, panels, logos, signs, crosses	100%
Bondi Metal Design 2801 Giant Rd., Dept. TB Richmond, CA 94806 510-236-2607	Specializes in architectural and interior wrought metal designs in classical and contemporary designs.	Free *Write in No. 752*	★				★	★		★	★	★	★		100%
J.G. Braun Co. P.O. Box 66, Dept. TB Skokie, IL 60076 800-323-4072, 312-761-4600	Iron, steel, aluminum, and architectural bronze brackets, finials, spindles, collars, post caps, rosettes, balls, handrails, terminals, channels, angles, tubes, bars, stamped-metal ornaments, and steel wood-grain rod.	Free *Write in No. 139*	★					★						Metal ornaments, fence components	10%
Brumder Ornamental Iron, Inc. 40128 Industrial Pk. N., Dept. TB Georgetown, TX 78626 512-869-2830	Hot-forged, hand-wrought ornamental metalwork in classic and contemporary styles. Design services include presentation, CAD, sample, and model-making.	Free *Write in No. 186*	★		★		★			★			★		100%

Ornamental Metal

PANEL OF EXPERTS.

Architect: Emery Roth & Sons, P.C. Photography: Norman McGrath

Ornamental Metal and Curtainwall

Metal and glass panels linked in modern curtainwall technology. Reflecting a need for strength and beauty. Reflecting its surroundings while providing unobstructed views. It's the choice of architects and designers looking for the most advanced, most exciting new techniques. It's the choice of sleek, innovative buildings like 17 State Street, at the foot of Manhattan Island. With a 42-story curved curtainwall facade, the views of it are as spectacular as the views from it. Curtainwall. For wall-to-wall beauty, durability and flexibility, it's the panel of experts.

OMI The Ornamental Metal Institute of New York
211 East 43rd Street, New York, N.Y. 10017 212-697-5554

WRITE IN NO. 543

TRADITIONAL BUILDING's EXTERIOR ORNAMENTAL METAL *SourceList*

CSI# 05700

COMPILED BY SHARON GARBE

COMPANY	SPECIALTY	Literature	TYPES OF METALWORK											Other	% Custom
			Fences & Gates	Cornices	Canopies	Cresting	Grilles	Vanes & Finials	Vault Lights	Furnishings	Sculpture	Storefronts	Doors & Entries		
C&P Surface Technologies 4230 Industrial Pl., Dept. TB Island Park, NY 11558 516-889-4784	Architectural metal finishing company specializing in a corrosion- resistant zinc coating process for exterior steel products. Guaranteed to stop rust for 10 years. Company can metallize in copper, nickel, bronze, etc. Sand- blasting available.	Free *Write in No. 151*												Metal coating	100%
Colonial Castings 15301 N.W. 34th Ave., Dept. TB Miami, FL 33054 305-688-8901	Extensive range of load-bearing aluminum columns, newels, railing panels, friezes, fences, and gates.	Free *Write in No. 261*	★				★							Lamps	5%
Denninger Cupolas & Weather Vanes RD 1, Box 447, Dept. TB Middletown, NY 10940 914-343-2229	Redwood cupolas with hand-seamed copper roofs; weathervanes, banners, arrows, caps, and finials — standard and custom — available in copper, brass, aluminum, stainless steel, and iron. Historical replications a specialty.	Free *Write in No. 730*						★							60%
The J.A. Du Lac Co. 3462 So. Channel Dr., Dept. TB Harsens Island, MI 48028 810-748-9606	Hand-crafted, historically-inspired cupolas, finials, and full-bodied copper weathervanes. Traditional designs available in classic American Country, Federal Colonial, and Victorian stylings.	Free *Write in No. 61*						★							90%
Entry Fabricators, Inc. 3522 Webster Ave., Dept. TB Bronx, NY 10467 718-798-0637	Fabrication of new ornamental iron and architectural aluminum historical and landmark-qualified entrances and vestibules for commercial and residential buildings.	Free *Write in No. 482*										★	★		100%
Fine Architectural Metalsmiths P.O. Box 30, Dept. TB Chester, NY 10918 914-782-5332	Fine historical reproductions and site-appropriate metalwork: Fencing, gates, door grilles, garden furniture, environmental sculpture, etc. Forgework and hand work in iron, stainless, bronze, and aluminum.	Free *Write in No. 264*	★				★			★	★				100%
Forging A Future P.O. Box 82, Dept. TB Petaluma, CA 94953 707-765-9861	Design and fabrication of custom-forged architectural metalwork, including gates, stair railings, fire screens, ornamental grilles, light fixtures, and furniture.	Free *Write in No. 427*	★				★			★					100%
John Graney Metal Design 7 North Ave., Dept. TB Garwood, NJ 07027 908-789-8500	Hand-forged custom metal work, specializing in unusual and technically complex projects. Will work from client's drawings or original designs. Restoration services include gold leafing and mobile welding.	Free	★				★	★			★		★		80%
Heather & Little Ltd. 36 Wagstaff Dr., Dept. TB Toronto, Ont. CAN. M4L 2R8 800-450-0659	Since 1925, a specialist in the reproduction of all manner of sheet metal ornaments, including finials, cornices, lion heads, crestings, canopies, metal roofing shingles, pressed metal siding, and more. Deliveries average 8 weeks.	Free *Write in No. 247*		★	★	★		★						Pressed metal siding, reproduction metal shingles	100%
Historical Arts & Casting 5580 W. Bagley Pk. Rd., Dept. TB West Jordan, UT 84088 801-569-2400	Expertly crafted metal ornamentation, including cornices, railings, store fronts, fences, bridges, planters, lighting, and more; in bronze, aluminum, or iron. Restoration and custom work a specialty.	Free *Write in No. 121*	★	★	★	★	★	★		★		★	★	Street lamps	90%
Ind.it.a.l. 1612 Mellwood Ave., Dept. TB Louisville, KY 40206 800-772-4706, 502-584-6677	Major supplier of standard wrought iron components, manufactured by Italian craftsmen. Elements for railings, gates, grilles, post tops, balusters, etc. Also, steel stampings of leaves, flowers, spear points.	Free *Write in No. 656*	★				★								15%
Kayne & Son Forged Hardware 100 Daniel Ridge Rd., Dept. TB Candler, NC 28715 704-667-8868	Offers a wide variety of hardware: Hand-forged strap hinges, dummy and wrap-around hinges, thumb latch sets, surface bolts, sash/latch bar locks, door knockers, cast brass,bronze thumb latches, pulls, and locks.	Catalog $4.50	★				★	★						Snowbirds, floral components, hardware	90%
Lake Shore Industries P.O. Box 59, Dept. TB Erie, PA 16512 800-458-0463, 814-456-4277	Manufacturers of custom cast aluminum signs and plaques. Specialize in street signs, town seals, historical markers, and custom work.	Free *Write in No. 873*												Signs	100%
Lawler Foundry Corp. P.O. Box 320069, Dept. TB Birmingham, AL 35232 205-595-0596	Offers 1,000 types of metalwork, with fences and gates mainly in Victorian styles. Also fence and gate parts, such as newel posts and over 100 types of finials,spears.	Free brochure *Write in No. 849* Catalog $10					★	★						Railing panels, balusters, brackets	10%
Liberty Die Casting Co. 6784 E. Davison Ave., Dept. TB Detroit, MI 48212 313-365-8887	Manufactures a wide line of ball tops, caps, spears, shoes, etc., for fabricating fences, gates, and other ornamental metal assemblies. Parts are available in sizes from 1/4 in. to 3 in. in #3 zinc.	Free *Write in No. 534*	★				★								10%
L.M.C. Corp. 77 Second Ave., Dept. TB Paterson, NJ 07514 201-279-3573	Skilled hammersmiths who design and fabricate interior and exterior metalwork, including fences and gates, grilles, railings, spires, and ornament. Specialize in historic restoration.	Free	★		★								★		100%
Midland Engineering Co. P.O. Box 1019, Dept. TB South Bend, IN 46624 219-272-0200	Major contractor with extensive experience in fabricating and installing exterior cornices, slate and tile roofing, domes, steeples, and other exterior work on large historic properties. Works nationwide.	Free *Write in No. 742*	★												100%

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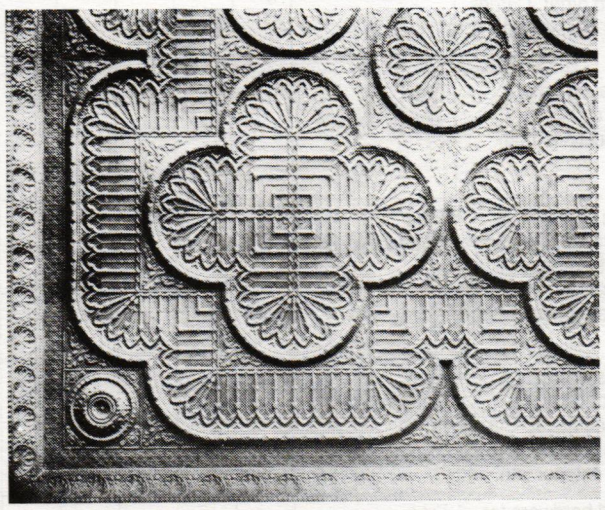

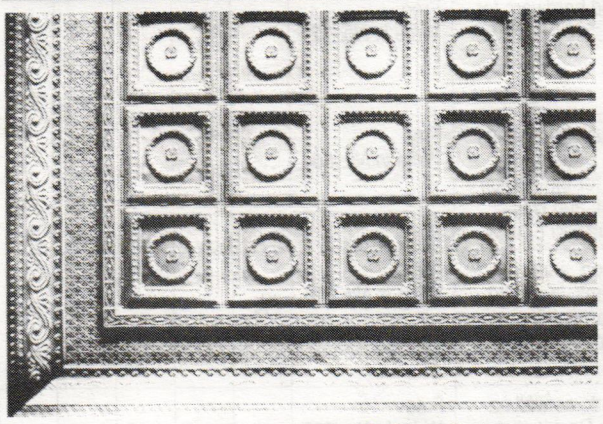

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☆ Garlands ☆ Panel Ornaments ☆ Lion Heads
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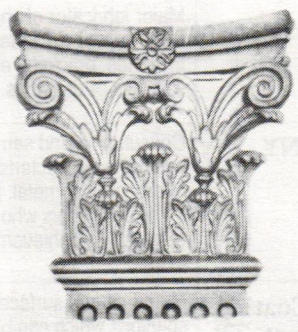

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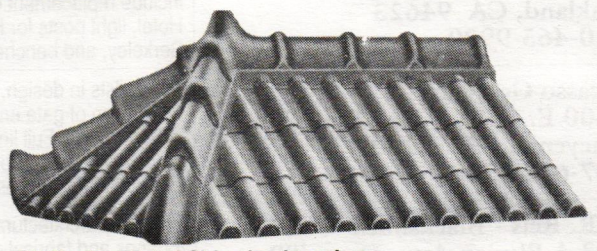

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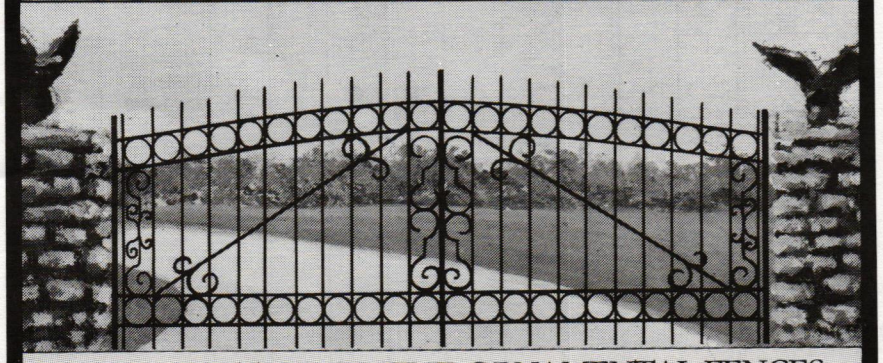

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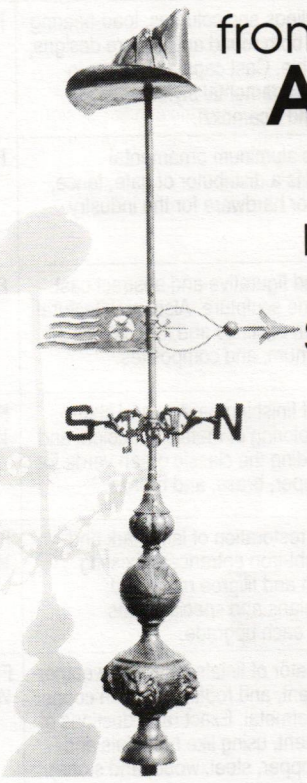

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TRADITIONAL BUILDING's EXTERIOR ORNAMENTAL METAL *SourceList*

CSI# 05700

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COMPANY	SPECIALTY	Literature	TYPES OF METALWORK											Other	% Custom
			Fences & Gates	Cornices	Canopies	Cresting	Grilles	Vanes & Finials	Vault Lights	Furnishings	Sculpture	Storefronts	Doors & Entries		
Monumental Iron Works 6500 Eastern Ave., Dept. TB Baltimore, MD 21224 410-633-6500	100-year-old fence manufacturer that uses traditional techniques and patterns; stocks components and assembles to order. Carries pickets as well as ornamental panels and gates.	Free *Write in No. 691*	★												30%
W.F. Norman Corporation P.O. Box 323, Dept. TB Nevada, MO 64772 800-641-4038	Major fabricator of sheet-metal ornament: Hundreds of stock designs of cornices, moldings, brackets, etc. Duplications from samples or drawings.	Free *Write in No. 52*		★				★						Metal roofing	10%
Ornamental Metal Inst. of NY 211 E. 43rd St., Dept. TB New York, NY 10017 212-697-5554	Consultation and seminars on appearance, economy, characteristics, uses, and finishing of ornamental metal. Sponsors a competition for professionals who have created outstanding achievements in ornamental metal.	Free *Write in No. 543*													0%
Patina Finishes & Copper Coatings 8455 Commerce Ave. #B, Dept. TB San Diego, CA 92121 800-882-7004	Manufactures surface coatings and patina solutions which can be applied to metals, drywall, wood, etc. Water-based metal coatings available in silver, gold, and bronze; 4 patina colors. For interior or exterior use.	Free *Write in No. 849*												Metal paint and patinas	0%
Peters & Son, Inc. 1936 N. Front St., Dept. TB Philadelphia, PA 19122 215-739-9500	Company carries period-styled hardware for shutters, doors, and gates.	Free *Write in No. 124*												Hardware	20%
Phoenix Iron Works P.O. Box 24123, Dept. TB Oakland, CA 94623 510-465-9900	Ornamental metalwork and custom castings. Projects in the San Francisco Bay area include replacement castings for the Palace Hotel, light posts for Market St. and U.C. Berkeley, and benches in Ghiradelli Square.	Free *Write in No. 604*										★			75%
Picasso Gate Co. 1400 E. College Dr., Dept. TB Cheyenne, WY 82007 307-632-1710	Specialists in design, fabrication, and installation of gate entry systems, including all electronics. Full line of ornamental metal products in forged iron, both for interior and exterior: Rails, fences, grilles, etc.	Free *Write in No. 545*	★				★								100%
D.R. Reis - Blacksmith 393 A Elysian Ave., Dept. TB Penngrove, CA 94951 707-664-8504	Produces architectural ironwork, as well as forgings and fabricated works. Residential and commercial applications. Formal entry systems a specialty.	Free *Write in No. 363*	★										★		100%
Robinson Iron P.O. Box 1119, Dept. TB Alexander City, AL 35010 205-329-8486	Major cast-iron restoration and supply firm that has built or recreated fences and gates for historic sites, as well as new construction. Extensive collection of historic patterns for casting, as well as reference for custom work.	Free *Write in No. 324*	★	★	★	★	★		★	★	★	★	★		75%
Smith-Cornell,Alloy Founders 1545 Holland Rd., Ste. O, Dept. TB Maumee, OH 43537 800-325-0248	Cast bronze or aluminum plaques, garden tags, and custom sundials. Markers for National Register and other landmark properties. Custom plaques for historic properties, awards, and memorials.	Free *Write in No. 46*												Signs	75%
Steptoe & Wife 322 Geary Ave., Dept. TB Toronto, ONT. M2H2C7 416-530-4200	Victorian-styled, cast-iron straight and spiral staircases and railings, shipped knocked down to job site. Also, decorative cast hardware for drapery, ornamental pressed metal, custom metal fabrication.	Free *Write in No. 47*	★	★	★	★	★					★			30%
Stewart Ironworks P.O. Box 2612, Dept. TB Covington, KY 41012 606-431-1985	Ornamental iron fences, gates, and railings since 1886. 15 standard period designs and encourages custom work. All fences use solid pickets and heavy wall tubing.	Free *Write in No. 991*	★			★	★							Railings	80%
Superior Aluminum Products P.O. Box 430, Dept. TB Russia, OH 45363 513-526-4065	Aluminum railings and columns, load-bearing and fluted, in both round and square designs; Colors available. Cast caps and bases in standard and ornamental styles: Doric, Corinthian, and Scamozzi.	Free												Columns, railings	15%
Texas Metal Industries, Inc. P.O. Box 154, Dept. TB Crandall, TX 75114 214-287-6033	Manufactures aluminum ornamental castings, and is a distributor of gate, fence, and storm door hardware for the industry.	Free	★							★	★			Aluminum castings, hardware	5%
Thomas Studio & Foundry 10809 Crestview Dr., Dept. TB Jonestown, TX 78645 512-267-0051	Commissioned figurative and abstract cast bronze or stone sculpture. Also, architectural and restoration castings and fabrications in bronze, aluminum, and composites.	Free	★		★		★				★				100%
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Vulcan Supply P.O. Box 100, Dept. TB Westford, VT 05494 802-878-4103	Custom fabricator of finials, cupolas, weathervanes, ornament, and roofing metal in copper and other sheetmetal. Exact reproductions of historic ornament, using like materials and techniques (copper, steel, wood, and stone).	Free *Write in No. 721*			★	★		★			★			Leader boxes, cupolas, roof restoration	100%

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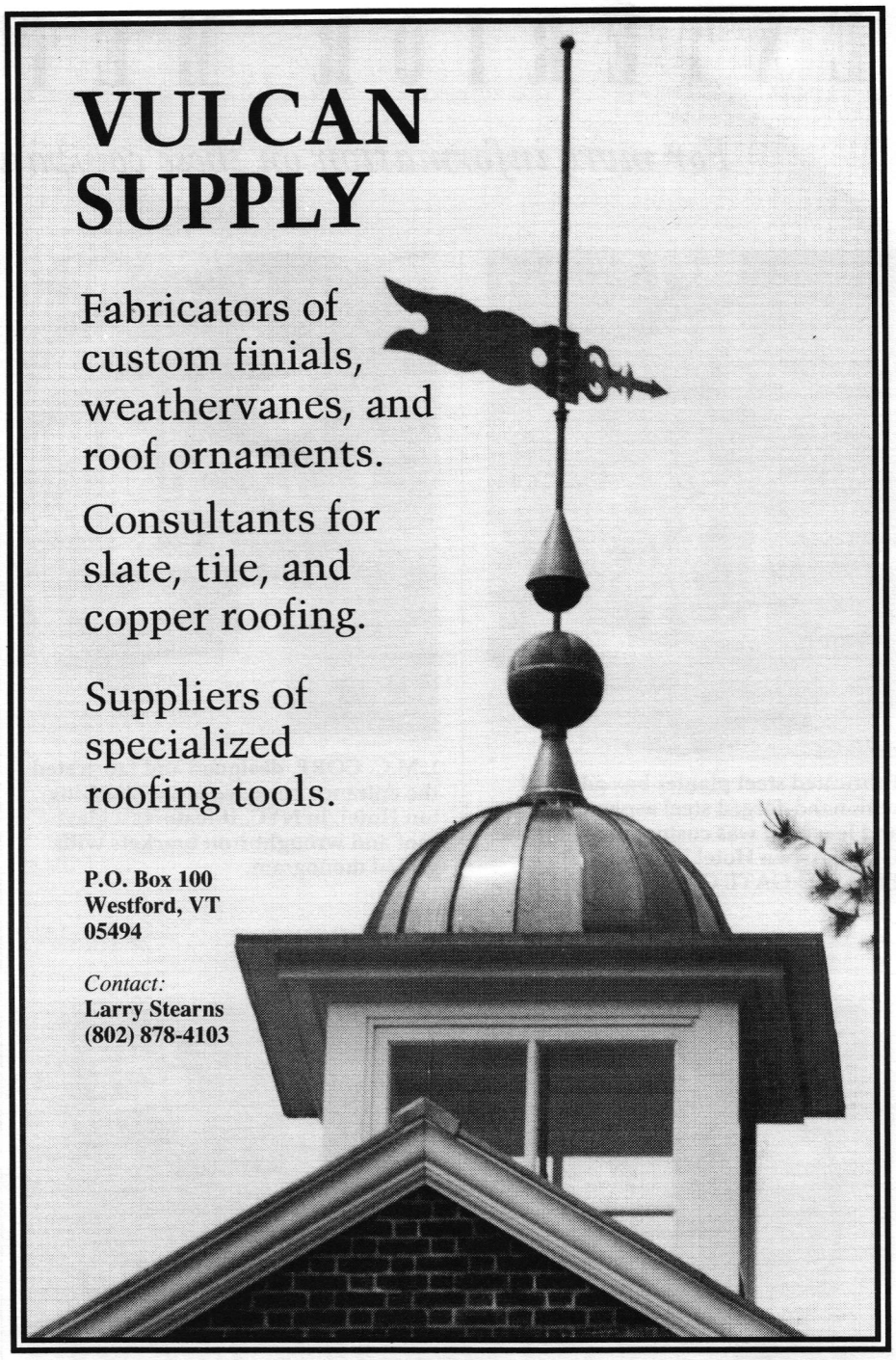

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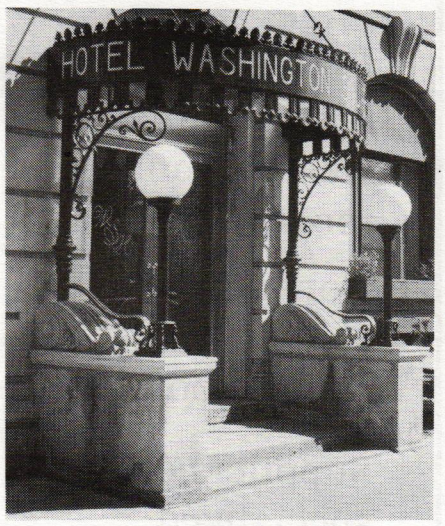
WRITE IN NO. 324

EXTERIOR METAL PORTFOLIO

For more information on these companies, consult the SourceList on pp. 50-52.

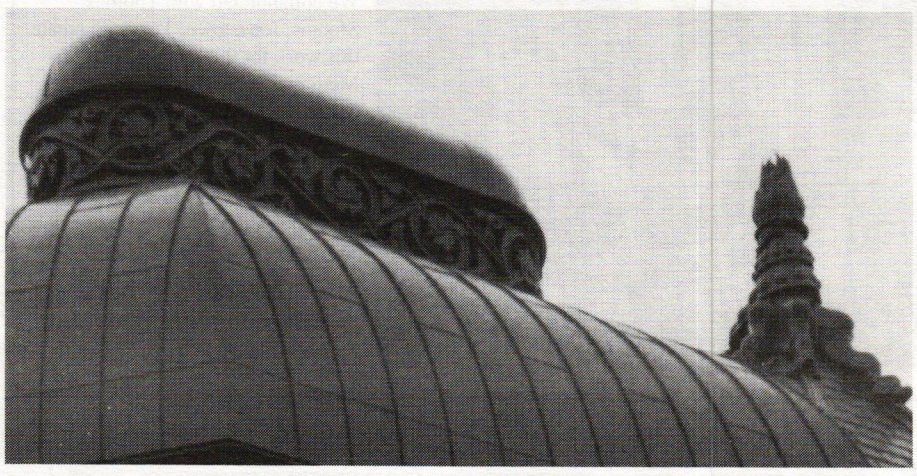
Fabricated steel planter box adorned with hand-forged steel aspen branches and leaves. It was custom made for the Grand Aspen Hotel in Aspen, Co. by PICASSO GATE CO. *Write in No. 545*



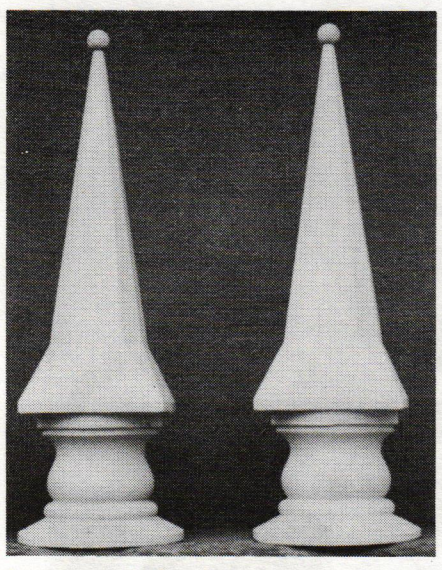
L.M.C. CORP. designed and fabricated the entrance marquee of the Washington Hotel, in NYC. It features a glass roof and wrought-iron brackets with gilded monogram.

Detail of FINE ARCHITECTURAL METALSMITHS' award-winning "Tree Gate". The gate opens up at the centerline of the tree trunk. Surface treatment of the bark was achieved using a MIG welder; the leaves were forged. *Write in No. 264*

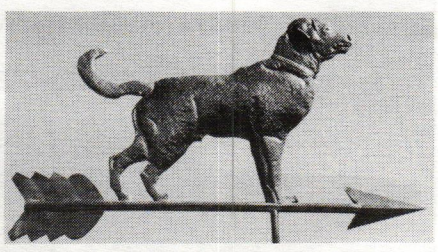
This custom forged-steel entrance gate with decorative brass castings was made for the Villa Nicoletti in Rome. The 9 ft. X 11 ft. gate can be ordered from IND.IT.A.L. for $13,000, plus shipping. The brass castings are available as special-order items. *Write in No. 656*



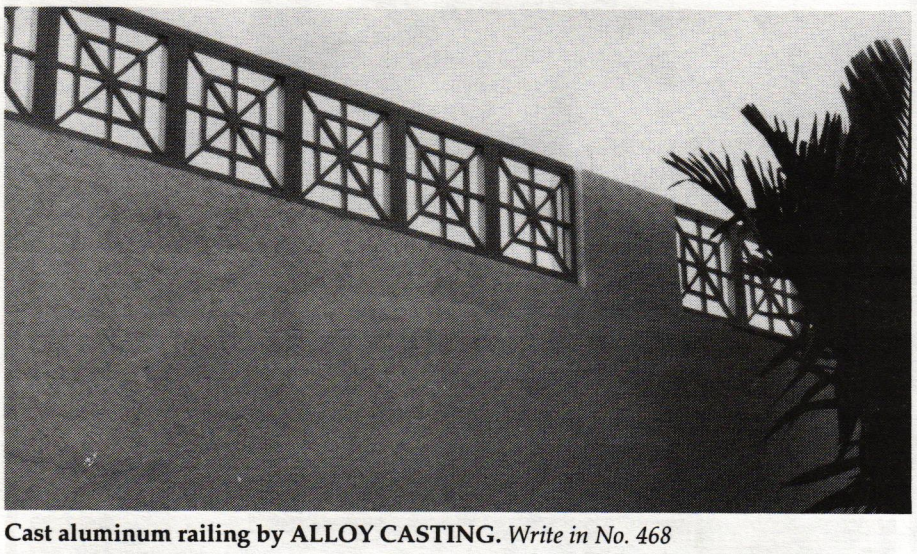
This elegant curved copper dome reproduction, crowned with an ornate copper cupola, sits atop the Ontario Legislative Buildings, Toronto, Canada. HEATHER & LITTLE LTD. *Write in No. 247*



Custom cast-aluminum fence post finials by ADORNMENTS FOR ARCHITECTURE.



Shown above is a hammered, full-bodied copper weathervane of a Labrador Retriever by the J.A. DU LAC CO. *Write in No. 61*



Cast aluminum railing by ALLOY CASTING. *Write in No. 468*

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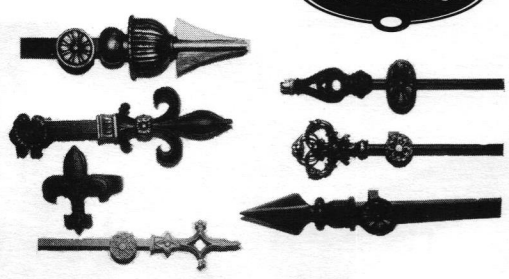
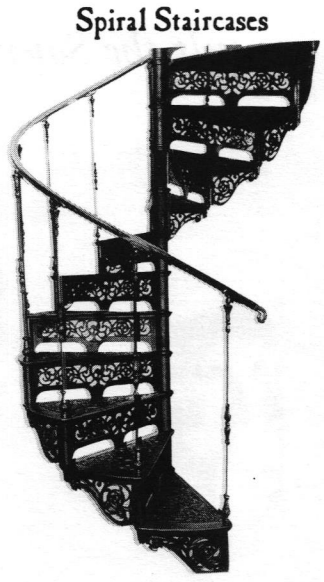


Spiral Staircases



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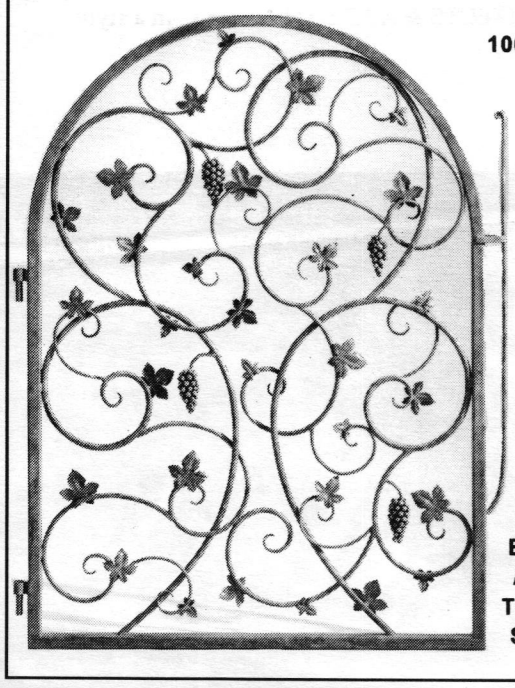

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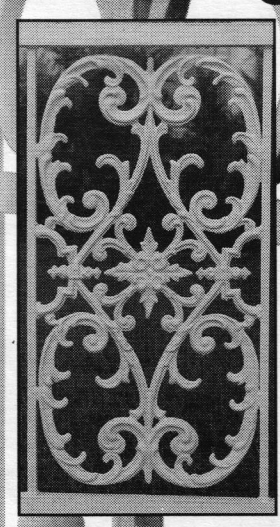

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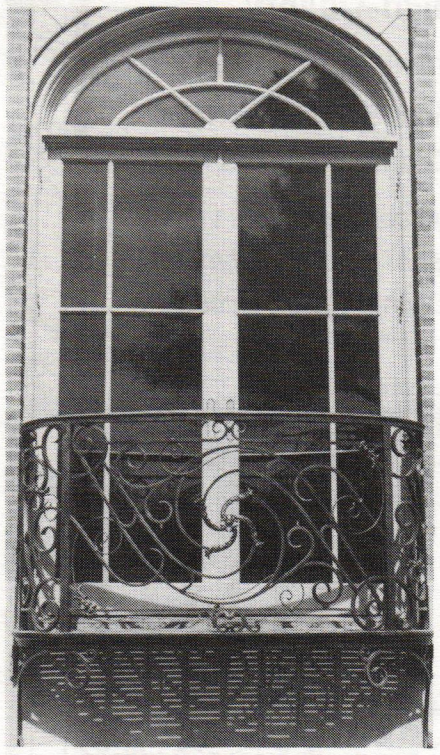
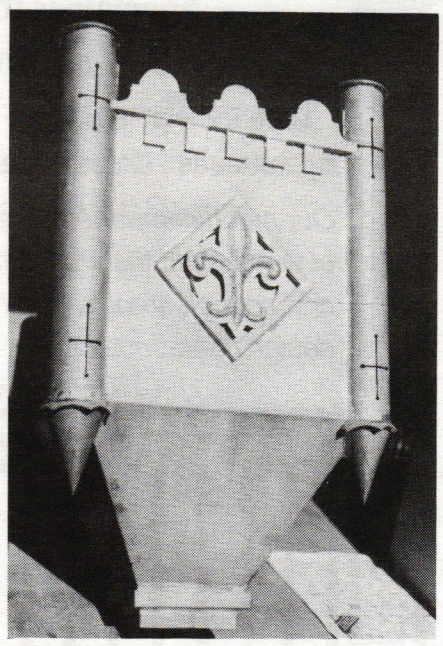
WRITE IN NO. 545

EXTERIOR METAL PORTFOLIO

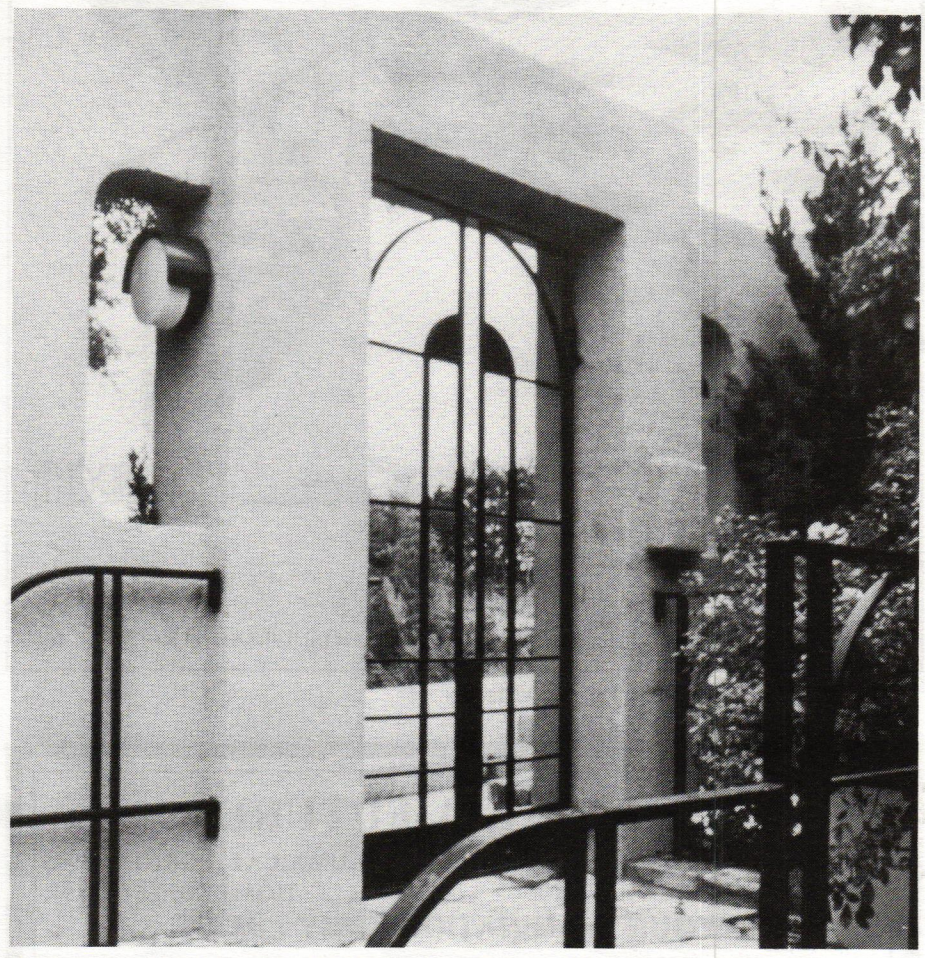
For more information on these companies, consult the SourceList on pp. 50-52.



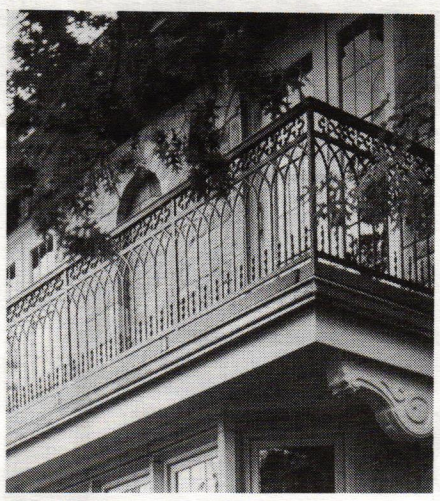
Ornamental cast-bronze balcony for a Colorado residence, by HISTORICAL ARTS & CASTING. *Write in No. 121*



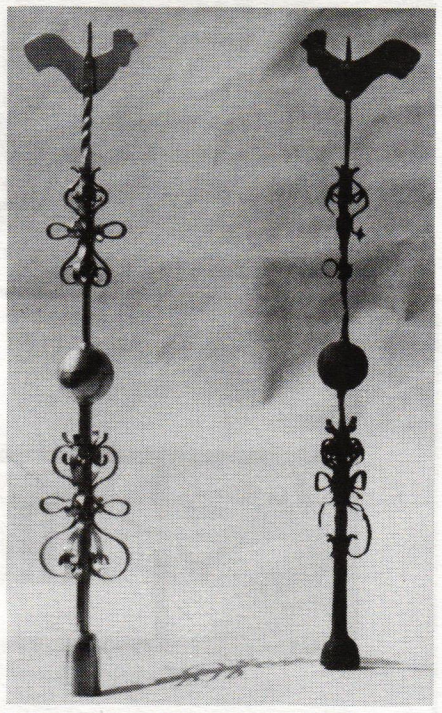
This regal leader box, crafted by VULCAN SUPPLY, holds reign over rain. *Write in No. 721*



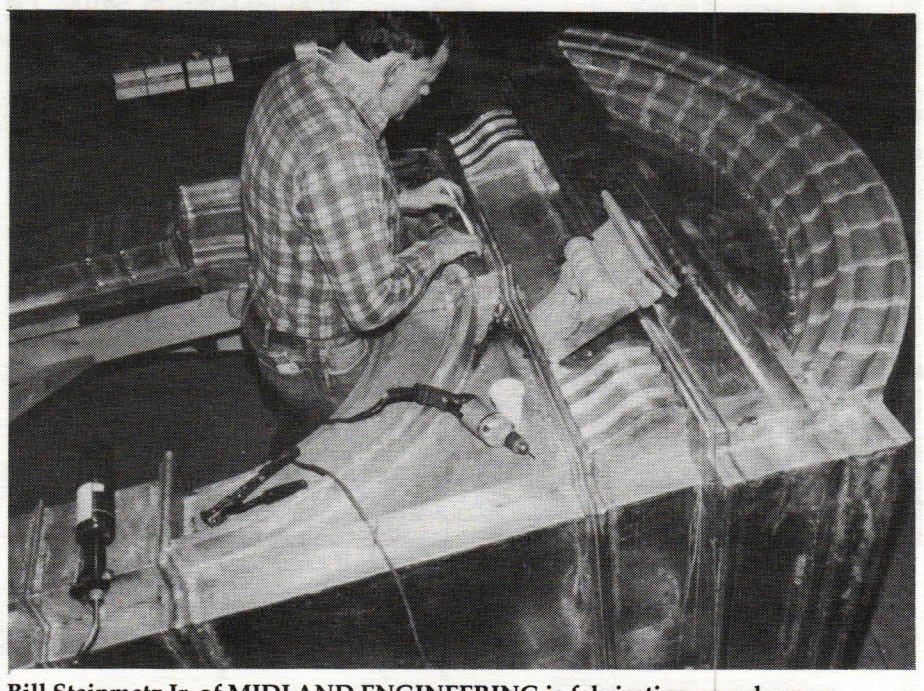
Forged iron "Eure Gate" by ARCHITECTS & ARTISANS is made in a style reminiscent of Art Deco.



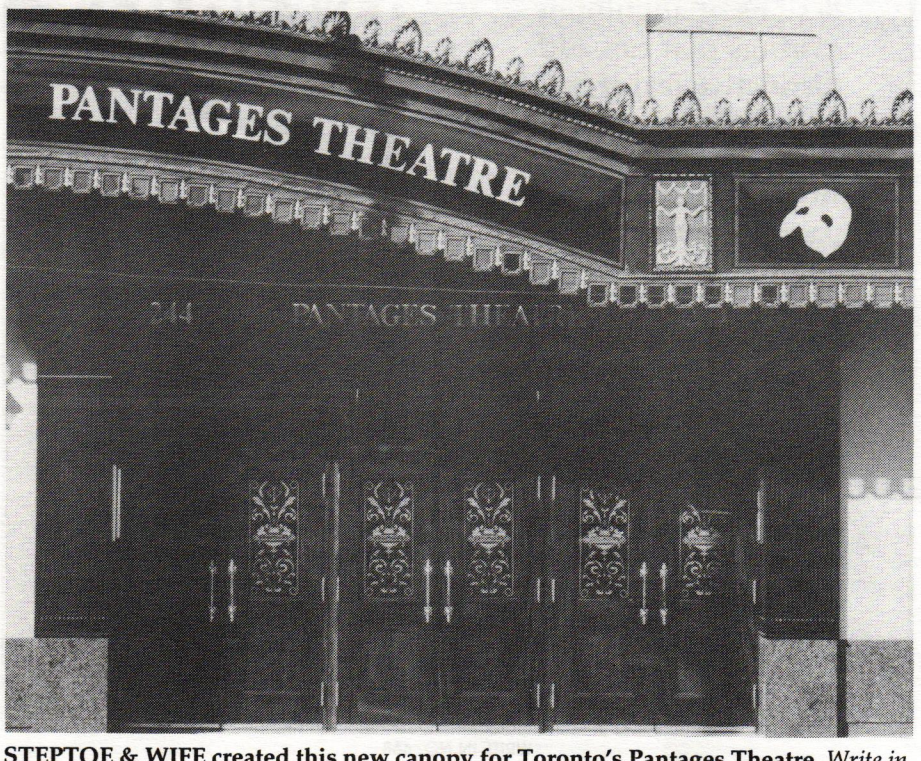
This balcony railing by BRUMDER ORNAMENTAL IRON, INC., features pressed Gothic arches, hammer-welded quatrefoils, fluted collars, and scrollwork, and is capped with bronze. *Write in No. 186*



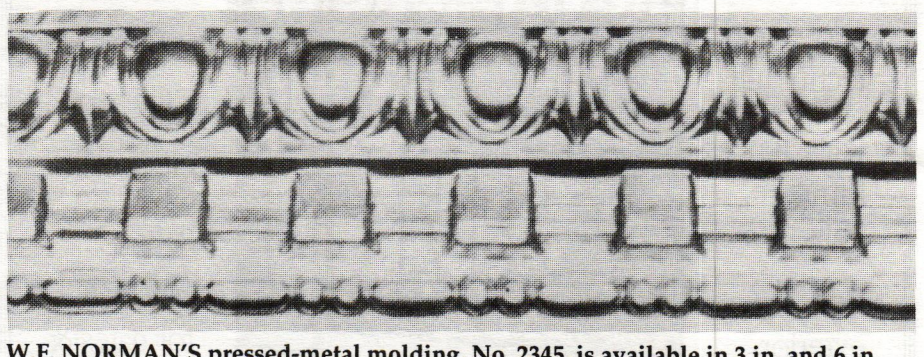
From the weather-worn original (right), Alfred H. Denninger of DENNINGER CUPOLAS & WEATHER VANES replicated a copper and brass rooster finial (left) for the restoration of Trinity Baptist Church, NYC. *Write in No. 730*



Bill Steinmetz Jr. of MIDLAND ENGINEERING is fabricating new dormers from Wolmanized plywood and lead-coated copper for the Hamilton County Courthouse in Noblesville, Ind. *Write in No. 742*



STEPTOE & WIFE created this new canopy for Toronto's Pantages Theatre. *Write in No. 47*



W.F. NORMAN'S pressed-metal molding, No. 2345, is available in 3 in. and 6 in. widths. This combination egg & dart-, dentil-, and beaded-design is one of the company's 275 styles and sizes. *Write in No. 52*

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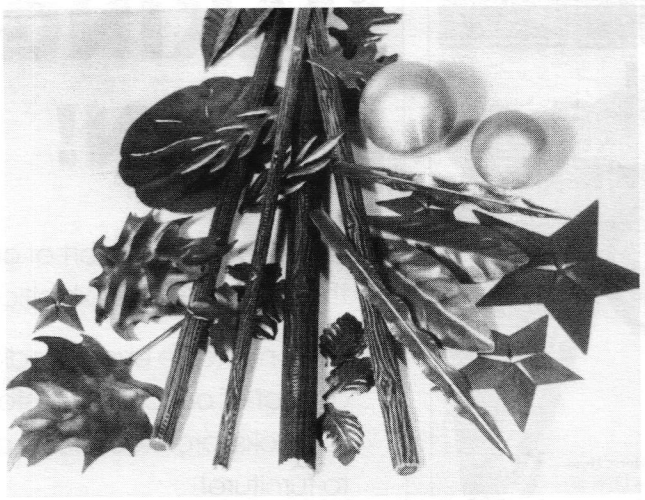

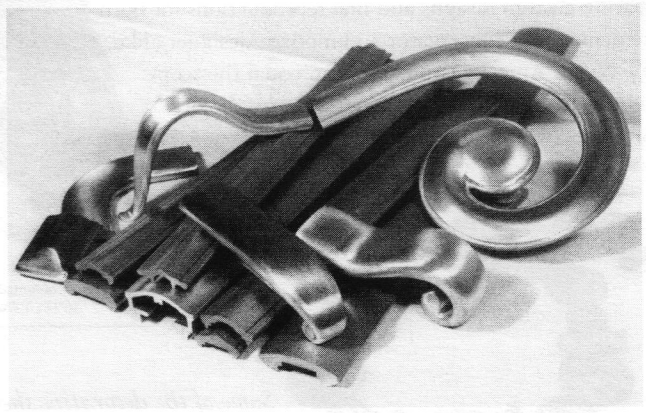

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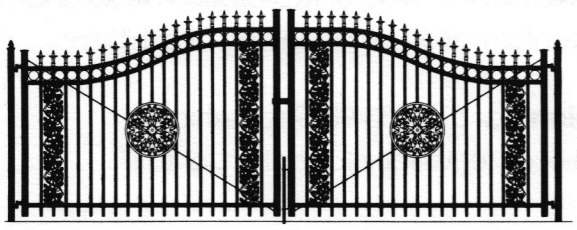

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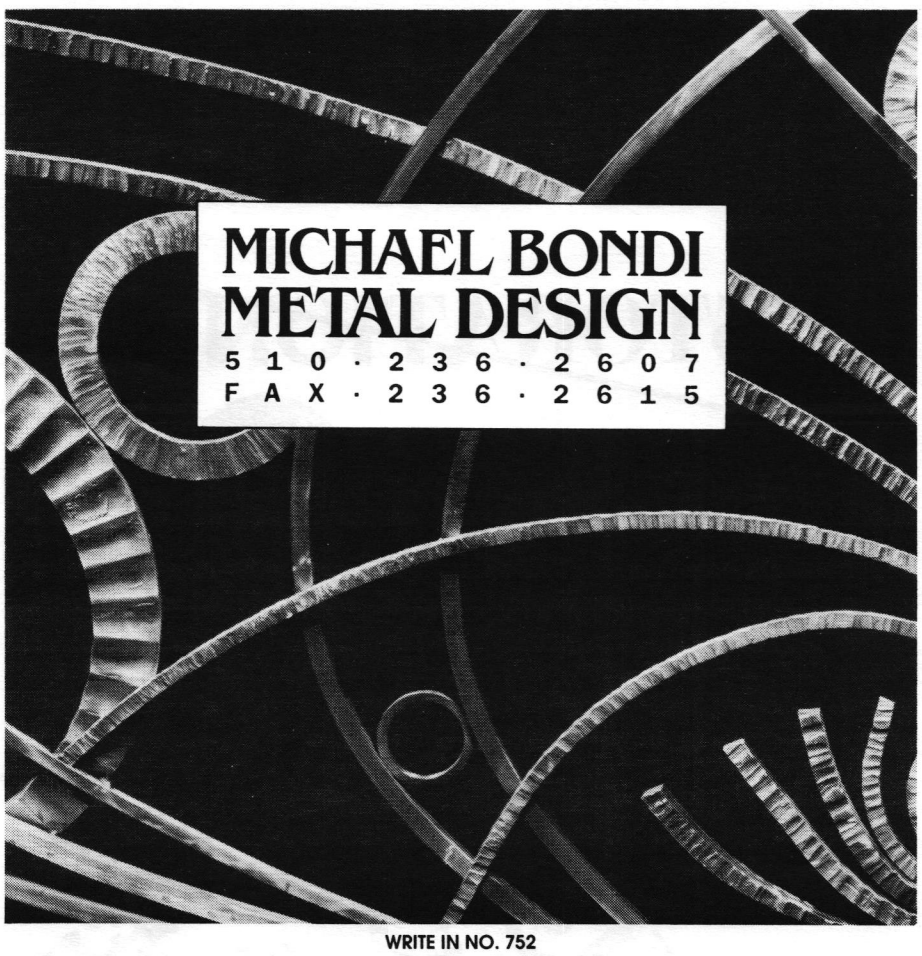

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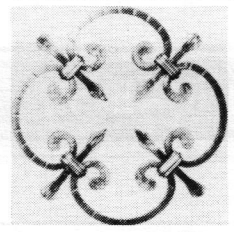

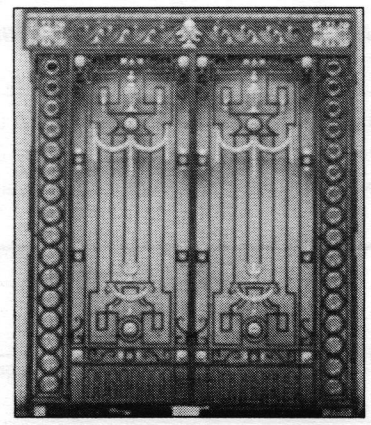

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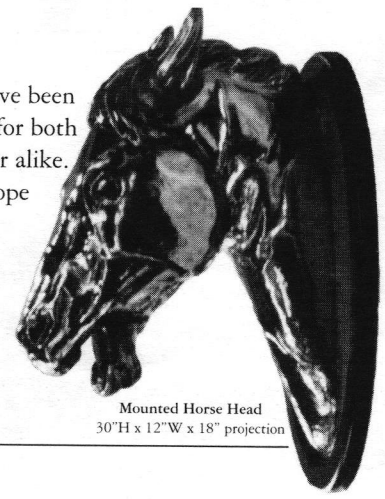
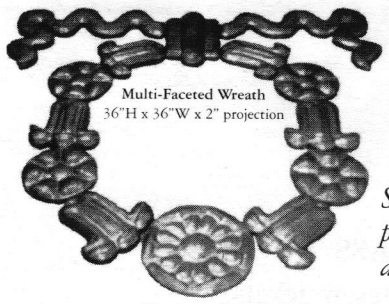


Mounted Horse Head
30"H x 12"W x 18" projection



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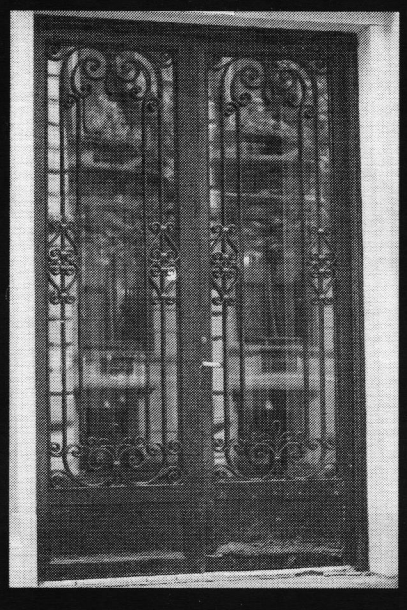

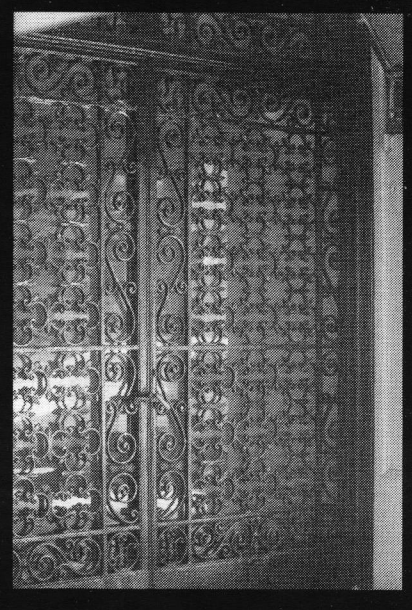

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By becoming the *largest* preservation trade event in the world. More than *7600* registered visitors — representing over *15,000* total attendance for the three days — viewed exhibits from *250* companies (*31* from abroad)!

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WRITE IN NO. 338

Shaping Up With Molded Ornament

When it comes to Main Street revitalizations, there are lots of materials to choose from for facade improvement.

Earlier issues of Traditional Building (e.g., Jan./Feb. 1991; May/June 1994) have examined the different qualities, advantages, and limitations of various molded materials. Even in historic restorations, there are a wide range of products not only suitable, but landmark-approved.

For the Exterior Molded Ornament SourceList that follows on pp. 60-62, the Editors surveyed 139 manufacturers of facade ornament (cornices, capitals, cupolas, etc.) and other cast and molded goods (fountains, statuary, pools, etc.) in exterior plaster, precast concrete, cast stone, terra cotta, and polymer- and glass-modified and polymer-based materials. From those that responded, the Editors selected 34 companies that seemed most sensitive to and appropriate for downtown revitalization projects. Also included are four manufacturers of moldmaking and casting materials (see Abatron, Ball Consulting, Smooth-On, and Synair). ■ — *JL*

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WRITE IN NO. 897

Instant Access to Product Literature for MOLDED ORNAMENT
If your office qualified to receive the 1994 TRADITIONAL BUILDING CATALOG, you'll find prefiled product literature there for the following suppliers of Molded Ornament:
• Architectural Facades
• Architectural Fiberglass Corp.
• Custom Decorative Mouldings
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• Kenneth Lynch & Sons
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WRITE IN NO. 774

TRADITIONAL BUILDING's EXTERIOR MOLDED ORNAMENT *SourceList*

CSI# 06600

✔ COMPILED BY JUDITH SIEGEL LIEF

COMPANY	SPECIALTY	Literature	TYPE OF ORNAMENT											Materials
			Cornices	Columns/Capitals	Brackets/Corbels	Cupolas	Domes	Balustrades	Staircases	Fountains	Facades	Storefronts	Other	
A&M Victorian Decorations, Inc. **2411 Chico Ave., Dept. TB** **S. El Monte, CA 91733** **818-575-0693**	Wide range of architectural elements in either gypsum or precast concrete: Columns, molding, mantels, balustrades, wall caps, pavers, quoins, stair treads, planters, fountains, and gazebos; custom designs and finishes.	Free *Write in No. 747*	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	Custom	Cast stone, precast concrete
Abatron, Inc. **P.O. Box 217, Dept. TB** **Gilberts, IL 60136** **800-445-1754**	Apart from wood conservation and consolidation formulas, metal and concrete restoration, and bondings and adhesives, this company also makes flexible moldmaking materials.	Free *Write in No. 130*												Flexible moldmaking materials
American Trim Stone Co., Inc. **85 Fourth Avenue, Dept. TB** **Haskell, NJ 07420** **201-831-1822**	Cast stone manufacturers specializing in exterior architectural trim, such as window sills, coping, arches, keystones, balustrades, etc.	Free	✔	✔				✔			✔	✔		Cast stone, precast concrete
Architectural Art Stone **P.O. Box 5128, Dept. TB** **Kansas City, KS 66105** **913-321-9100**	Custom concrete products for both interior and exterior use, which match limestone, brownstone, and terra cotta. Also, restoration of architectural terra cotta.	Free	✔	✔	✔			✔		✔	✔	✔	Signs, monuments	Cast stone, precast concrete, FRP, GFRC, Modified gypsum, exterior plaster, metals
Architectural Facades Unlimited **440 W. Julian, #240, Dept. TB** **San Jose, CA 95110** **408-298-2758**	Custom manufacturer of interior and exterior precast architectural ornamentation. On-site, full-service drawings, patterning, moldmaking, casting of columns, balustrades, cornices, niches and more; commercial or residential.	Free *Write in No. 147*	✔	✔	✔		✔	✔		✔	✔		Wall pavers, custom	GFRC, precast
Architectural Products by Outwater **52 Passaic St., Dept. TB** **Wood-Ridge, NJ 07075** **800-835-4400, 201-365-2002**	Extensive selection of polymer moldings, balustrades, ceiling medallions, chair rails, columns, capitals, and more in a large variety of sizes, styles, shapes, and materials. Wide selection of polymer lattice and sculpture.	Free *Write in No. 493*	✔	✔	✔		✔	✔			✔	✔		Polyurethane, EPS foam, fiberglass
Architectural Products Mfg. Co. **7470 Greenbush Ave., Dept. TB** **N. Hollywood, CA 91605** **818-982-2311**	Manufacturers of GRG, modified GRG, and GFRC architectural elements (exteriors), including columns, capitals, mantels, moldings, ceiling panels, niches, domes, friezes, etc. Stock and custom columns.	Free *Write in No. 897*	✔	✔	✔		✔	✔		✔	✔	✔	Wall veneer, trim, moldings, arches, quoins	GFRC, Forton MG
Architectural Fiberglass Corp. **1395 Marconi Blvd., Dept. TB** **Copiague, NY 11726** **800-439-2000, 516-842-4772**	FRP cornice specialist; also balconies and balustrades. Can replicate terra cotta from on-site molds or from large selection of stock cornice and rail molds. Elements are lightweight, fire retardant, UV resistant, and cost effective.	Free *Write in No. 640*	✔	✔	✔	✔		✔			✔	✔	Balconies, pediments, custom work	FRP, GFRC, modified gypsum
Architectural Reproductions **525 No. Tillamook, Dept. TB** **Portland, OR 97227** **503-284-8007**	Specialists in large, engineered, thin-shelled elements for commercial projects. Experienced with a wide variety of solutions for terra cotta replication and replacement.	Free *Write in No. 613*	✔	✔	✔			✔			✔	✔		FRP, GFRC, cast stone, modified gypsum
Art Home Studios **64 Huron St., Dept. TB** **Brooklyn, NY 11222** **718-383-0603**	Architectural sculpture studio specializing in ornamental detail for historic restorations and new construction. Can work from drawings. Exterior molded ornament in cast stone and other materials for terra cotta replacement.	Free *Write in No. 643*	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	Site-specific monumental sculpture	Cast stone, GFRC, FRP, I&E GRG, exterior modified gypsum
Ball Consulting **338 14th St., Suite 201, Dept. TB** **Ambridge, PA 15003** **412-266-1502**	Supplies Forton modified-gypsum casting system for creating interior and exterior architectural and landscape elements. Consulting and technical service.	Free *Write in No. 726*											Products used to make any element	Cast stone, GFRC, modified gypsum
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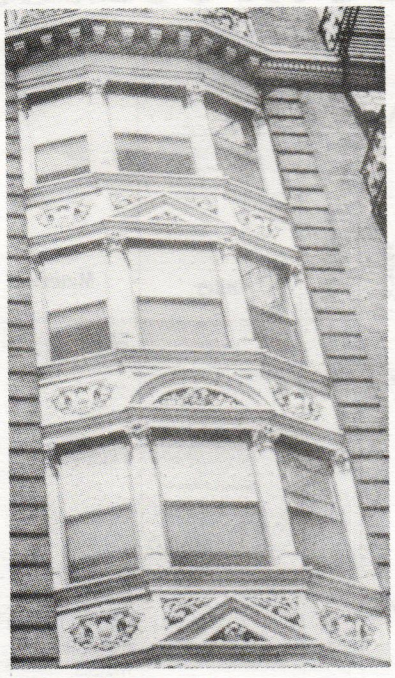
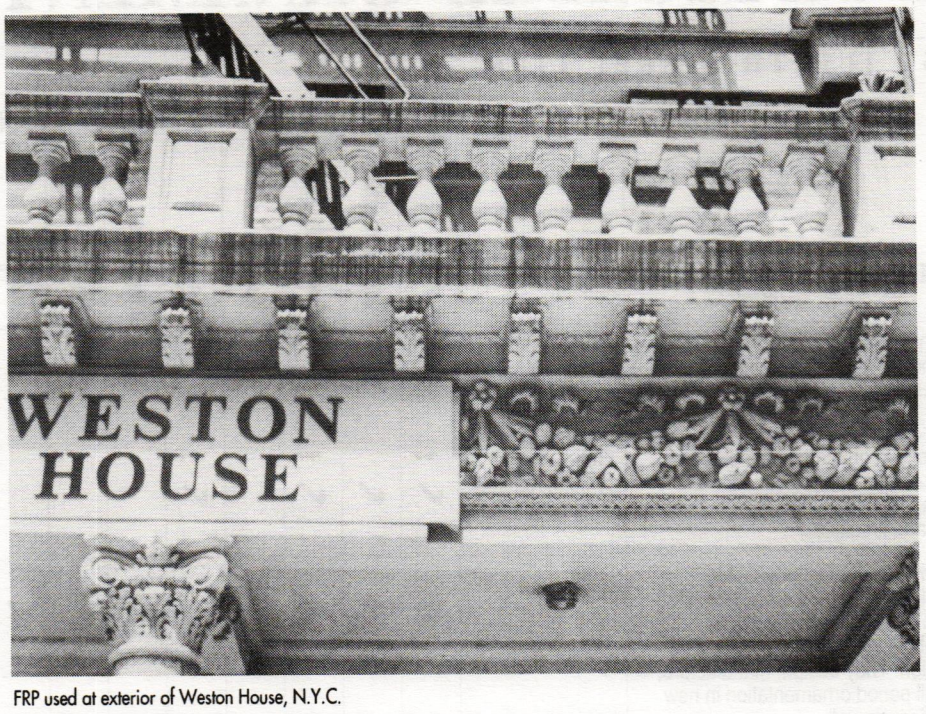
Custom Decorative Mouldings **P.O. Box F, Dept. TB** **Greenwood, DE 19950** **800-543-0553, 302-349-4937**	Architecturally correct, high-density polyurethane moldings, entryways, window surrounds, and louvers. Prompt delivery; customer service.	Free *Write in No. 908*	✔	✔	✔		✔	✔			✔	✔	Entryways	Polyurethane
Dallas Cast Stone Co., Inc. **4107 Hancock St., Dept. TB** **Dallas, TX 75210** **214-428-6269**	Custom cast stone manufacturer of major architectural elements, decorative details, and landscape products.	Free	✔	✔	✔							✔	As specified	Cast stone
Decorators Supply Corp. **3610-12 S. Morgan St., Dept. TB** **Chicago, IL 60609** **312-847-6300**	14,000 patterns for period architectural molded ornament, from ceiling medallions to columns and capitals in Plaster of Paris and composition.	Set of 5 catalogs $25	✔	✔	✔		✔	✔					Eagles, swags, garlands, emblems	Plaster
Design-Cast Materials Division **951 Pennsylvania Ave., Dept. TB** **Trenton, NJ 08638** **609-392-1922**	Interior and exterior custom-molded ceramic stone laminates (columns, cornices, etc.) designed for non-loadbearing applications. Material can be colored and molded to match stone, wood, and metal.	Free *Write in No. 651*	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔		Ceramic stone laminates
Edon Fiberglass **1160 Easton Rd., Dept. TB** **Horsham, PA 19044** **800-523-2539, 215-672-8050**	This full-service design and fabrication shop is experienced in making columns, cornices, cupolas, domes, spires, steeples, minarets, and other architectural shapes; restoration/reproduction.	Free *Write in No. 189*	✔	✔	✔	✔	✔	✔		✔	✔		Spires, steeples, minarets	FRP, class A composition

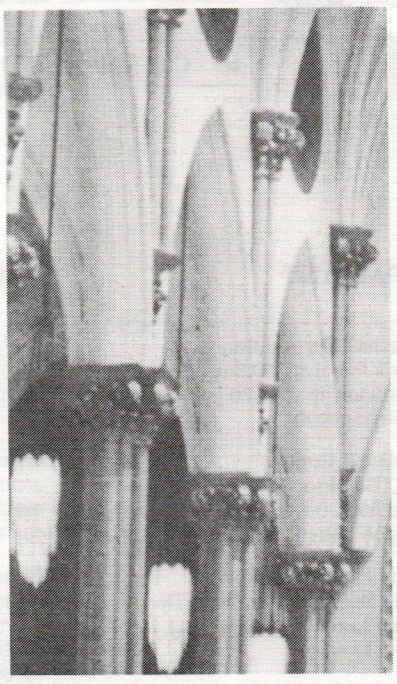
Architectural Ornamentation



Architectural Cast Stone, NYC



FRP used at exterior of Weston House, N.Y.C.



Historical restoration of St. Peter s Church, Hartford, CT

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(bullets in descending order)

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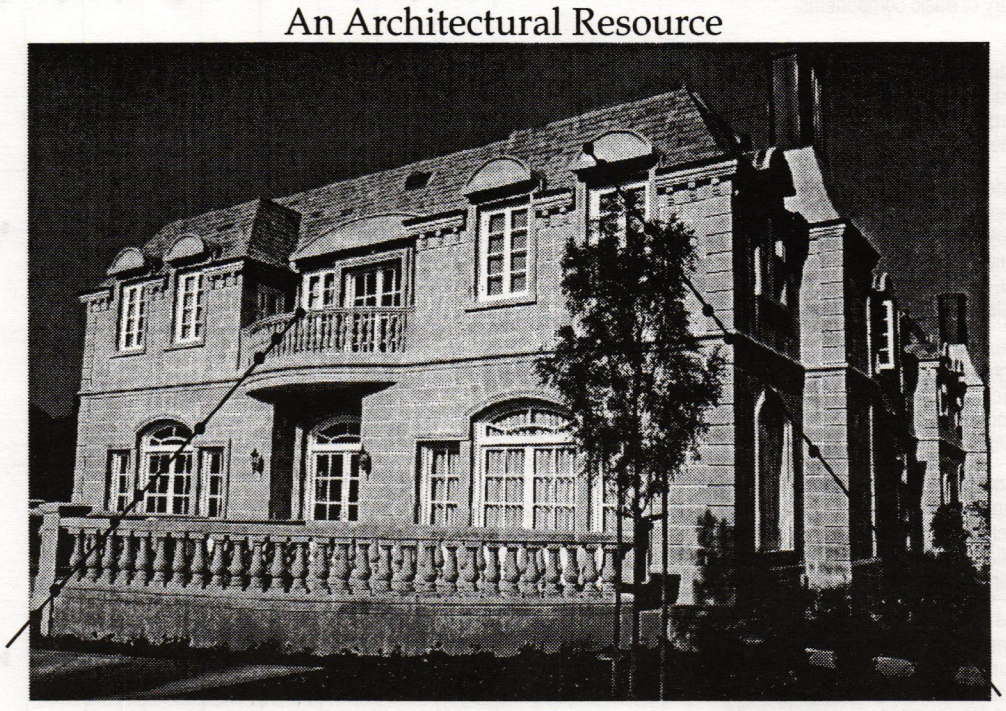
   3. BASE RAIL
B. KEYSTONE
C. COUPLED WINDOW SURROUND
D. LANDSCAPE BALUSTRADE
   1. CAP RAIL
   2. BALASTER
   3. END PIER



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WRITE IN NO. 302

TRADITIONAL BUILDING's EXTERIOR MOLDED ORNAMENT SourceList

CSI# 06600

✔ COMPILED BY JUDITH SIEGEL LIEF

COMPANY	SPECIALTY	Literature	TYPE OF ORNAMENT											Materials
			Cornices	Columns/Capitals	Brackets/Corbels	Cupolas	Domes	Balustrades	Staircases	Fountains	Facades	Storefronts	Other	
Fibertech Corporation **250 S. Depot St., PO Box 8, Dept. TB** **Pendleton, SC 29670** **803-646-9990**	FRP cornices range in size from 12 in. to 6 ft.; standard shapes; custom commercial and landmark work.	Free *Write in No. 621*	✔	✔	✔			✔	✔		✔			FRP
Fischer & Jirouch **4821 Superior Ave., Dept. TB** **Cleveland, OH 44103** **216-361-3840**	Wide selection of handcrafted plaster architectural ornament for interior and exterior applications, including columns, capitals, and fireplaces.	Free *Write in No. 196*	✔	✔	✔		✔							Plaster
David Flaharty, Sculptor **1064 Magazine Rd., Dept. TB** **Green Lane, PA 18054** **215-234-8242**	Classically trained, Flaharty does ornamental plaster projects others refuse. The shop undertakes architectural conservation, restoration, and consultation. They design, manufacture, and install period ornamentation in new construction, as well.	Free	✔	✔	✔			✔		✔	✔			Ornamental plaster, patternmaking for ornamental metals
GFRC, Inc. **6001 North 60th St., Dept. TB** **Lincoln, NE 68507** **402-466-3200**	Produces wide range of GFRC products, ranging from exterior wall claddings to replications of historical architectural elements; replacements for terra cotta, etc. On-site moldmaking available.	Free *Write in No. 663*	✔	✔	✔	✔	✔			✔	✔	✔		GFRC
George Kreier Company **1524 Cambridge St., Dept. TB** **Philadelphia, PA 19130** **215-763-4666**	Restoration of major historic buildings in a variety of media; specialists in solving complex technical and artistic problems.	Free	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	Custom work as specified	Precast concrete, FRP, GFRC
Landmark Studios **59 Lower Kingtown Rd., Dept. TB** **Pittstown, NJ 08867** **908-730-8895**	Custom fabrication, restoration, and reproduction of architectural sculpture and detailed building elements in terra cotta, cast stone, and GFRC.	Free *Write in No. 190*	✔	✔		✔	✔	✔			✔			Cast stone, precast concrete, terra cotta, GFRC, modified gypsum, exterior plaster
Lynch & Sons **P.O. Box 488, Dept. TB** **Wilton, CT 06897** **203-762-8363**	Top-of-the-line fabricators with an extensive catalog of garden ornaments, site furniture, weathervanes, gazebos, and fountains in cast stone, bronze, and lead.	Free *Write in No. 777*								✔			Statuary	Cast stone, lead, bronze, copper
Molloy & Associates **P.O. Box 515, Dept. TB** **Hutchins, TX 75141** **214-225-6106**	This company provides raw materials to the GFRC industry, and has access to the network of GFRC molding manufacturers.	Free	✔	✔	✔	✔	✔			✔	✔	✔		GFRC
Moonlight Molds, Inc. **17110 S. Main Street, Dept. TB** **Gardena, CA 90248** **310-538-9142**	Architectural cast products, including columns, cornices, domes, coves, etc., in a wide range of materials, colors, and textures; standard and custom shapes.	Free	✔	✔	✔	✔	✔	✔			✔	✔		Precast concrete, FRP, GFRC
Napa Valley Cast Stone **122 Dodd Court, Dept. TB** **American Canyon, CA 94589** **707-644-5029**	Architectural elements of cast stone available from an extensive CAD-based library of basic components.	Free *Write in No. 302*	✔	✔	✔			✔	✔	✔	✔	✔	Pavers, steps, thresholds, copings, wall caps	Cast stone
NMC - Focal Point **P.O. Box 93327, Dept. TB** **Atlanta, GA 30377** **800-662-5550**	Manufacturers of high-density polymer moldings, medallions, niches, and fiberglass columns. Class 'A' fire rating on some products.	Free *Write in No. 477*	✔	✔	✔		✔							Polymers, fiberglass
Seal Reinforced Fiberglass **23 Bethpage Road, Dept. TB** **Copiague, NY 11726** **516-842-2230**	Molder and tooler fabricates FRP building components, stock & custom cornices, cupolas, and other elements; stock cornices and brackets; on-site molds. Also, garden fountains, pools, waterfalls, planters, and rock features.	Free *Write in No. 462*	✔	✔	✔	✔	✔	✔			✔	✔	Waterfalls, garden pools, custom	FRP
Smooth-On **1000 Valley Rd., Dept. TB** **Gillette, NJ 07933** **908-647-5800**	Manufacturers of moldmaking compounds which can be poured or brushed on to vertical surfaces. Compounds are quick-curing and durable. Free working samples available; toll-free technical help.	Free *Write in No. 65*												Mold rubber
Synair Corp. **P.O. Box 5269, Dept. TB** **Chattanooga, TN 37406** **800-251-7642, 615-698-8801**	Supplies a flexible, economical two-component moldmaking system. Used in the studio or for making in-situ molds in the field. Also: Two-component urethane casting resin.	Free *Write in No. 725*												Release agents, polyurethane rubber
Techcrete Architectural Precast **12920 Alexandria Dr., Dept. TB** **Opa Locka, FL 33054** **305-688-1461**	Wide range of cast-stone architectural elements, including balustrades and columns (columns are primarily Doric and Tuscan, with true entasis.) Also, blueprinted cast-stone veneer, wall cap, risers, and copings.	Free		✔				✔			✔			Cast stone, precast concrete
THR Products Corp. **58-15 49th Pl., Dept. TB** **Maspeth, NY 11378** **718-326-4210**	Custom fabricators of interior and exterior molded GRG, GFRC, cast stone, and reinforced plaster. Can duplicate existing elements or create new designs; large stock; color and texture as specified.	Free *Write in No. 774*	✔	✔	✔			✔		✔	✔			Cast stone, precast concrete, GFRC
Worthington Group **P.O. Box 868, Dept. TB** **Troy, AL 36081** **800-872-1608, 205-566-4537**	Supplier of true classical columns in all the basic orders. Also: FiberClassics columns and balustrades, panel and cornice moldings, brackets, and more.	Free *Write in No. 163*	✔	✔	✔		✔	✔	✔					Polymer resin, polyresin

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Use TRADITIONAL BUILDING Research Reports for:

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Each supplier record in a Research Report contains the following data:

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- **Contact name**
- **Phone number**
- **FAX number (when available)**
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TRADITIONAL BUILDING's Research Reports are currently available on suppliers of traditionally styled products in the following areas:

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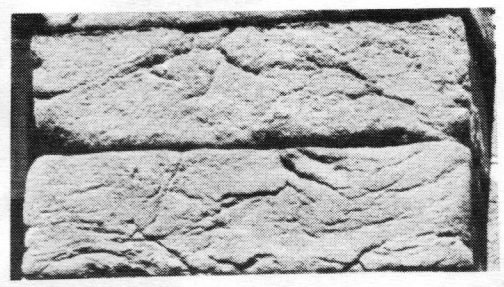

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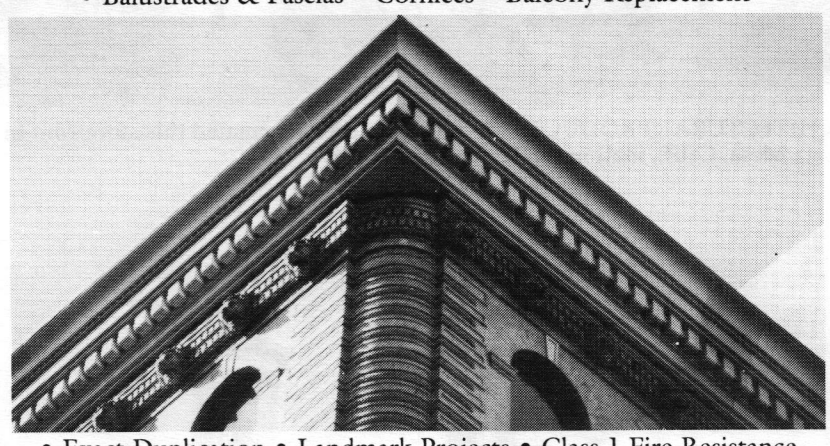

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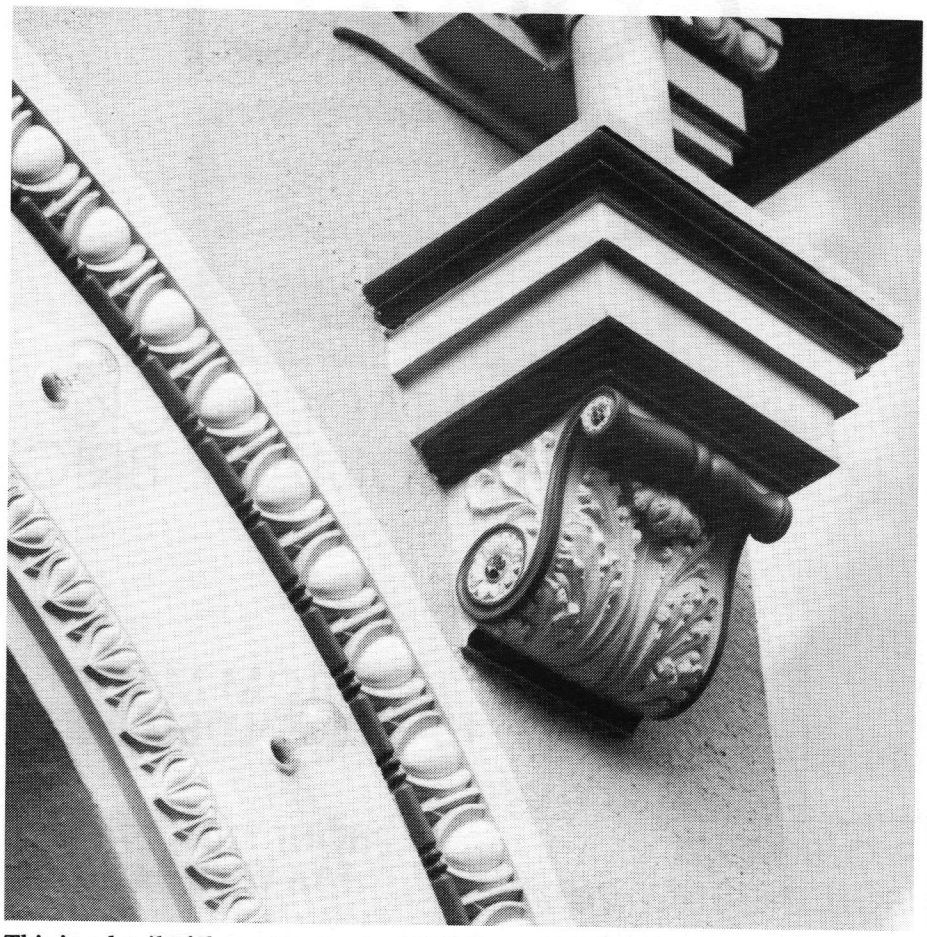
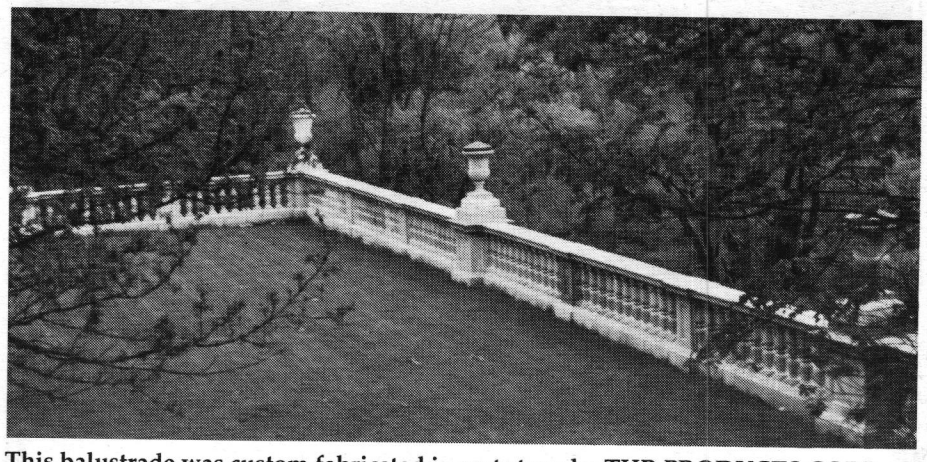
EXTERIOR MOLDED ORNAMENT PORTFOLIO

For more information on these companies, consult the SourceList on pp. 60-62.

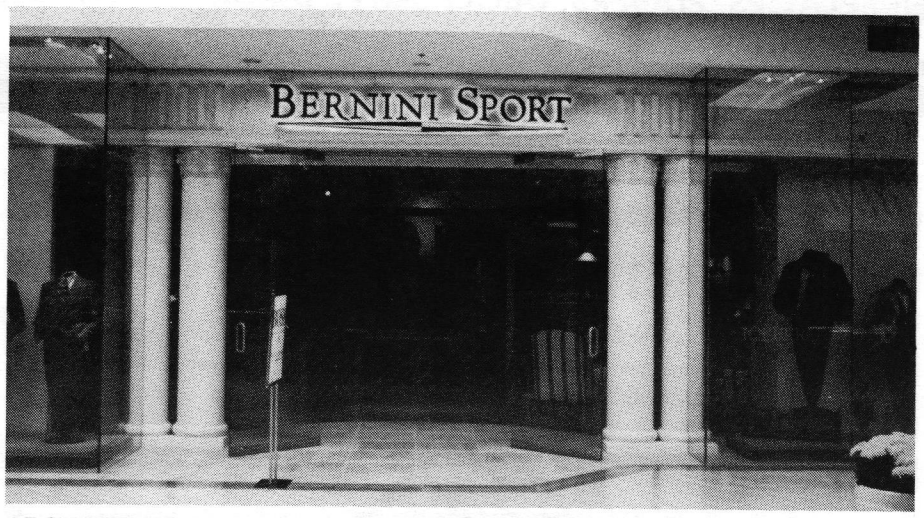


This is a detail of the restored arch at the Illinois State Fair Grounds gate house. The stable polyurethane ornamentation is an inexpensive alternative to wood. CUSTOM DECORATIVE MOLDINGS *Write in No. 908*

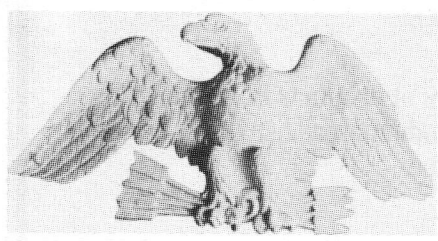


This balustrade was custom fabricated in cast stone by THR PRODUCTS CORP. (Color and texture were specified by the architect.) *Write in No. 774*

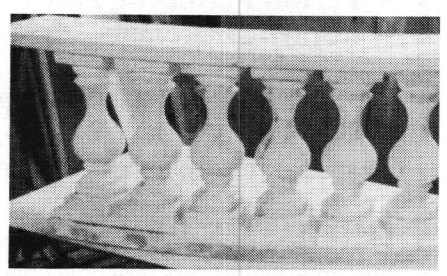
This restoration, at Quintcentennial Plaza, in Old San Juan, Puerto Rico, involved fabricating cast stone veneer, wall caps, plaza steps, and copings. TECHCRETE ARCHITECTURAL PRECAST



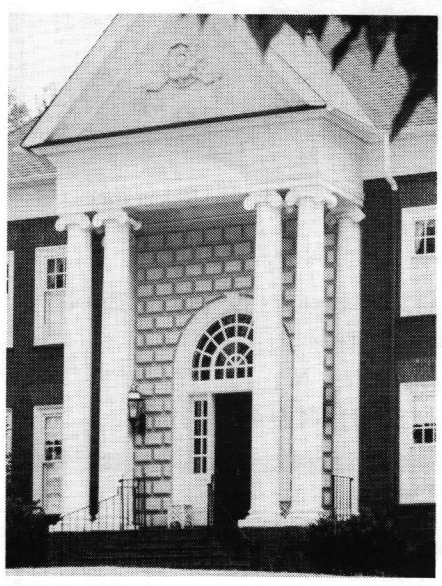
ARCHITECTURAL PRODUCTS MANUFACTURING created this storefront in a Costa Mesa, Calif., mall in GFRC. *Write in No. 897*



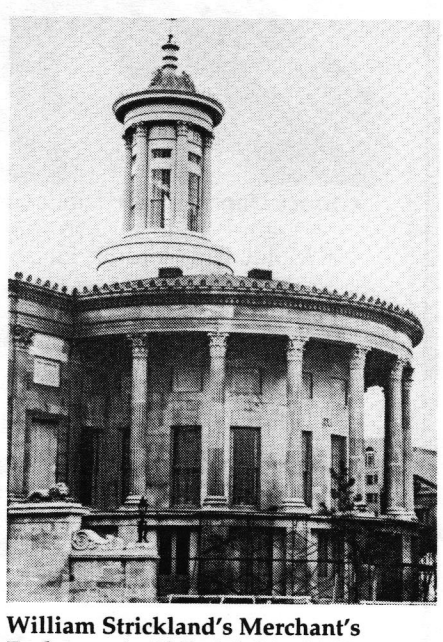
DECORATORS SUPPLY CORP.'s large roster of plaster ornamentation includes this 69 in. W. x 26 in. H. eagle, model #27164.



SEAL REINFORCED FIBERGLASS, INC., fabricated this balustrade in FRP. Other custom projects have included a 24 ft. open carton with a box manufacturer's insignia on its face. *Write in No. 462*

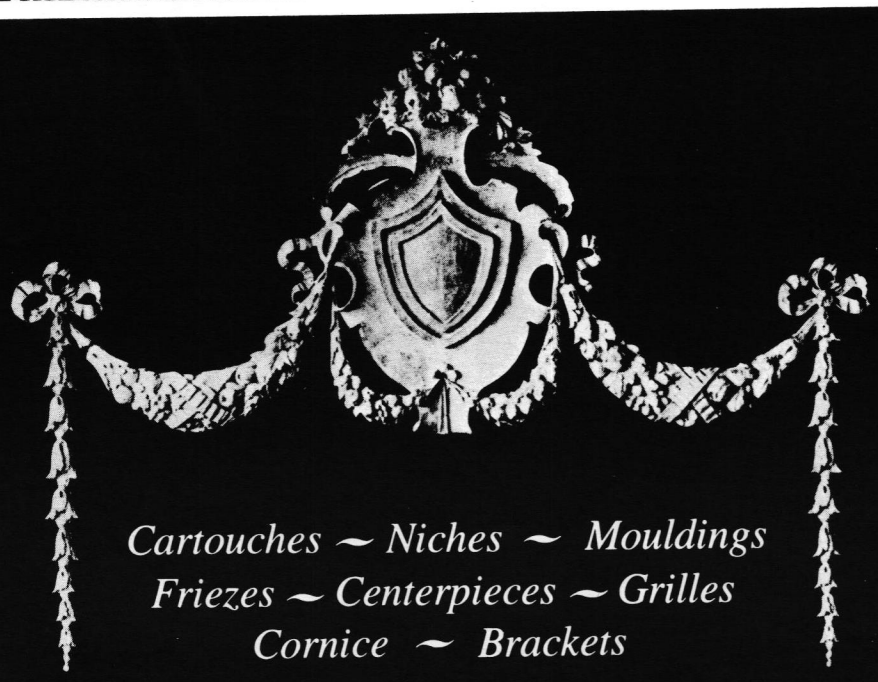


WORTHINGTON GROUP's bailiwick — polymer resin columns and capitals with true entasis — is apparent here in this residential installation. *Write in No. 163*



William Strickland's Merchant's Exchange, in Philadelphia, holds the first FRP ornament allowed to be used on a historic building (installed in 1965). GEORGE KREIER CO. did all the architectural moldmaking , including the tower capitals (which were cast in FRP), the bronze weather-vane, the marble steps, and the fine ornament.

Replacement of exterior dome panels for the Garfield Park Sports Complex, Chicago, used mold rubber from SMOOTH-ON, INC. Shown are replacement panels, cast in GFRC. *Write in No. 65*



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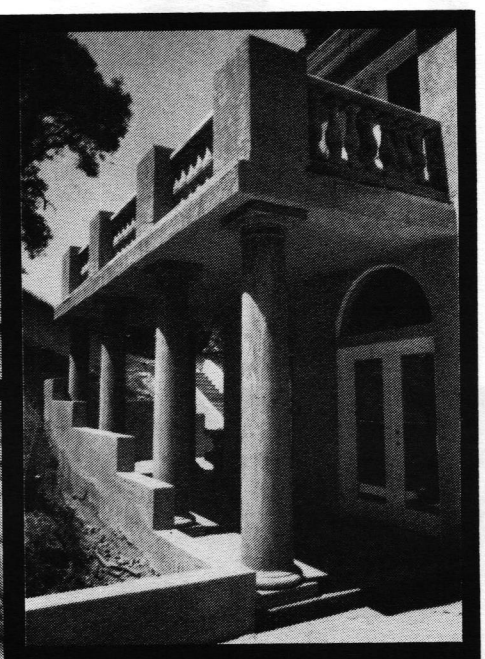

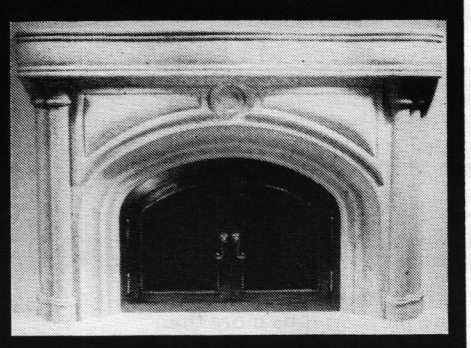

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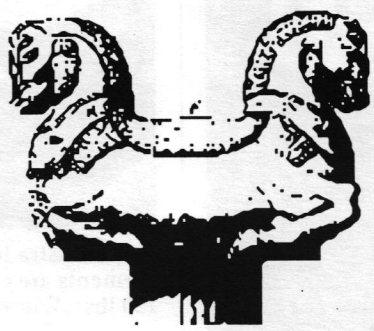

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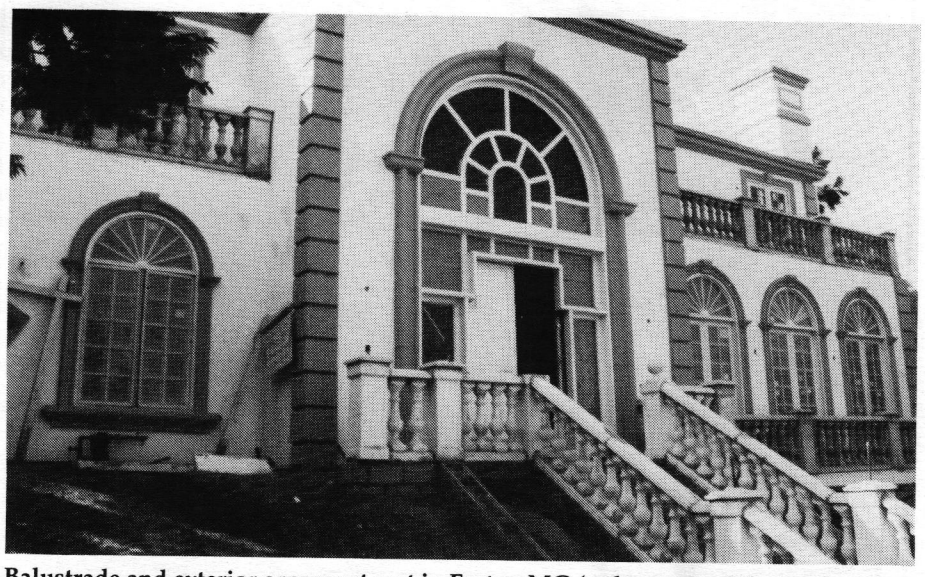
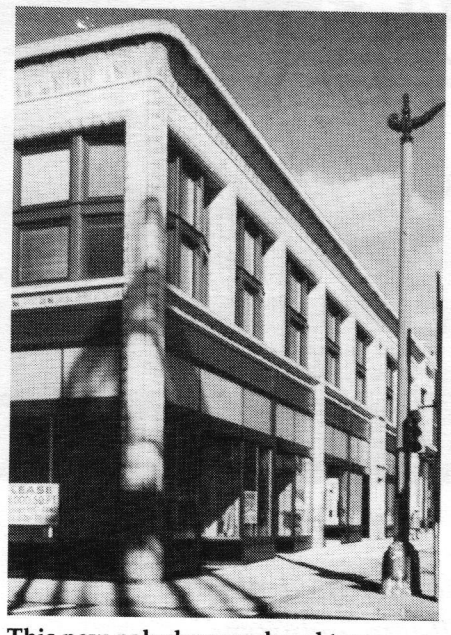
WRITE IN NO.190

EXTERIOR MOLDED ORNAMENT PORTFOLIO

For more information on these companies, consult the SourceList on pp. 60-62.



Balustrade and exterior ornament cast in Forton MG (polymer-modified gypsum); supplied, along with technical support, by BALL CONSULTING *Write in No. 726*

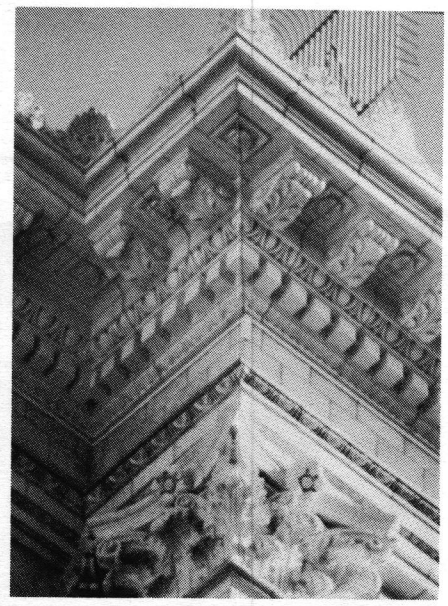


This new polychrome glazed terra cotta facade stands in the Ansonia Center, Buffalo, N.Y. BOSTON VALLEY TERRA COTTA *Write in No. 16*

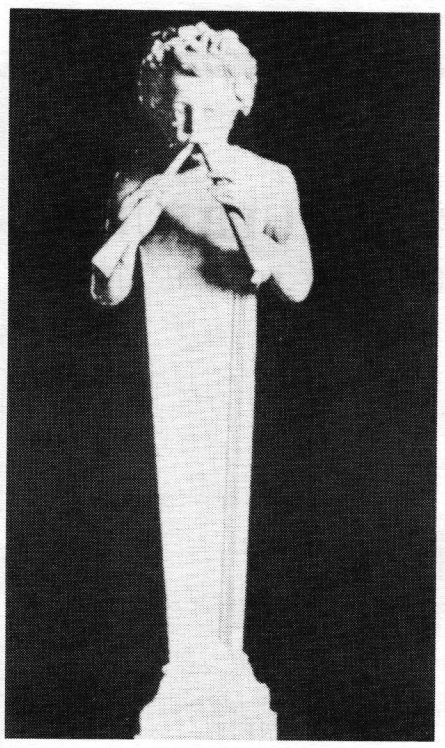
Fluted columns, capitals, and cornices were restored by EDON FIBERGLASS in FRP. *Write in No. 189*

Stan Townsend, of SYNAIR CORP., poses with his mold, made from a two-component system, and a model, made from a two-component casting resin. *Write in No. 725*

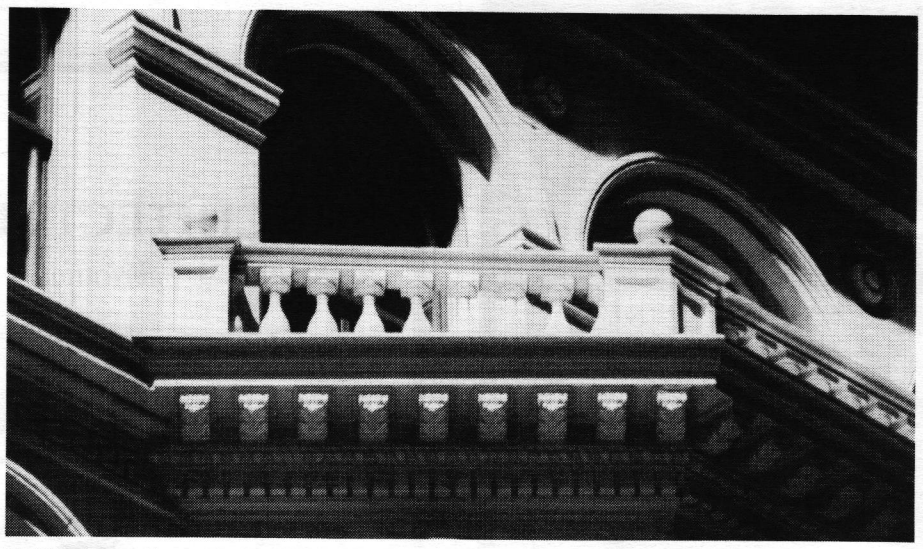
Using on-site molds, GFRC, INC., restored this facade ornamentation in — what else — GFRC! *Write in No. 663*



GFRC was used to replace the roof-line terra cotta on the Fairmont Hotel (c.1903), in San Francisco. The project involved 784 units, each 8-ft. tall. MOLLOY & ASSOC.



THE FISCHER & JIROUCH CO. cast this figure, measuring 60 in. H. with a 10 in. x 9 in. base, in plaster. *Write in No. 196*



FRP balustrade, archways, trim, and cornices are from FIBERTECH CORP. Elements are either face or parapet mounted; no piece weighs more than 150 lbs. *Write in No. 621*

To obtain FREE Product Literature, use the enclosed postpaid card or the form on page 89.

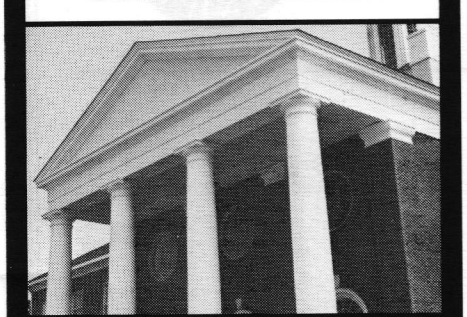
For INSTANT access to Product Literature, use the "Hot-Link" Fax Connection form on page 90.

EDON fiberglass

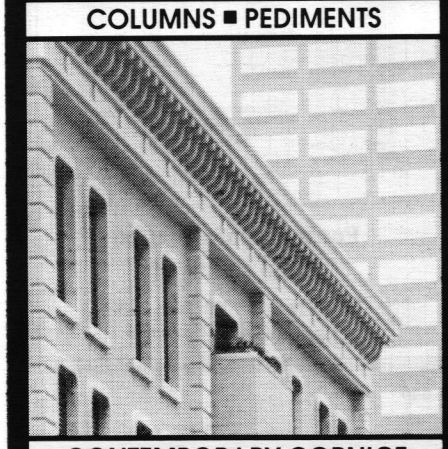
COLUMNS
CORNICES
MOLDINGS
REPRODUCTIONS

DORMERS ■ SPANDRELS

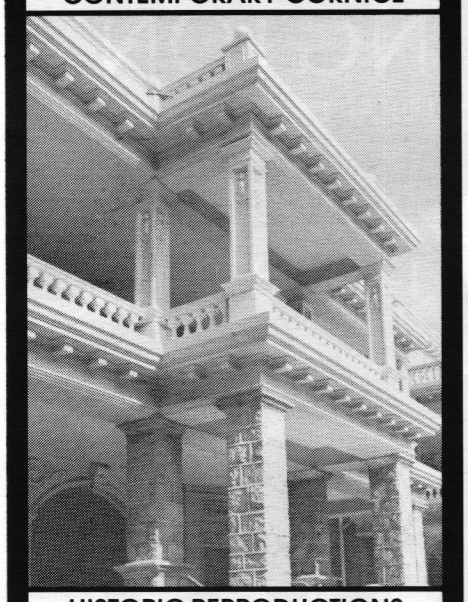
HISTORICAL
ARCHITECTURAL
ORNAMENTATION
CONTEMPORARY



COLUMNS ■ PEDIMENTS



CONTEMPORARY CORNICE



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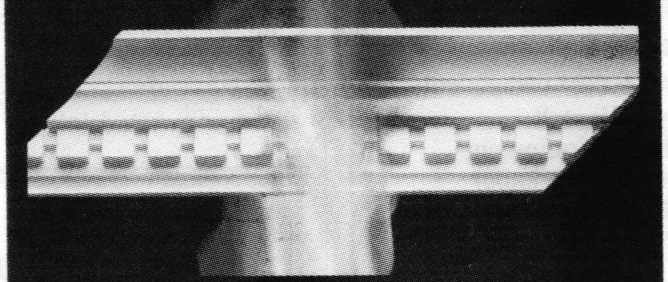
Moldings



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WRITE IN NO. 477

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SINCE 1895

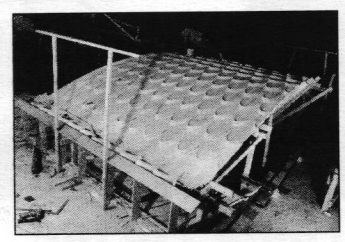
Mold Rubber

◆ Case History ◆

The Pro: MJM Studios, Inc.—S. Kearny, NJ.

The Project: Replace large concrete panels that make up "The Dome" of the Garfield Park Field House in Chicago.

The Challenge: Do it fast, be competitive.



Making a rubber mold from the large panel model using Smooth-On's PMC-724 made the job easier, faster and economical. The versatile mold compound was thickened for easy brush-on application.

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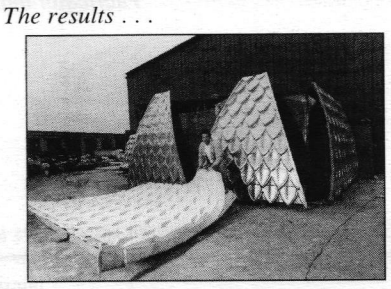
The results . . .



PERFECT REPRODUCTIONS of the original model cast in GFRC. Mike MacLeod, President of MJM, displays the PMC-724 mold used to cast the 17′X11′ panels now adorned in 24k gold leaf.

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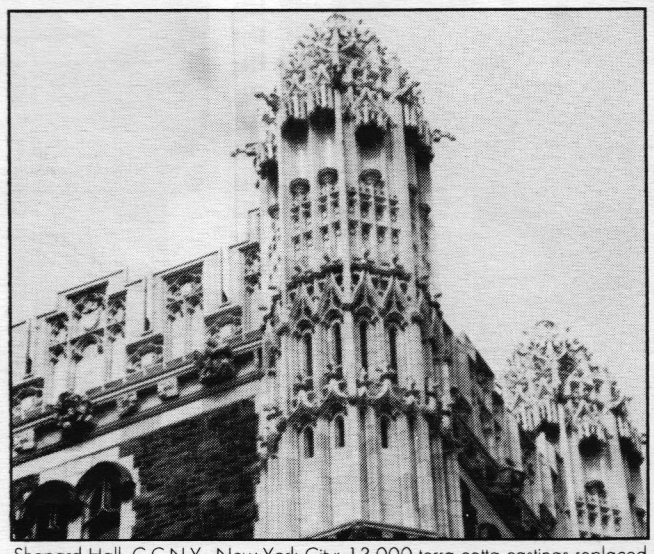

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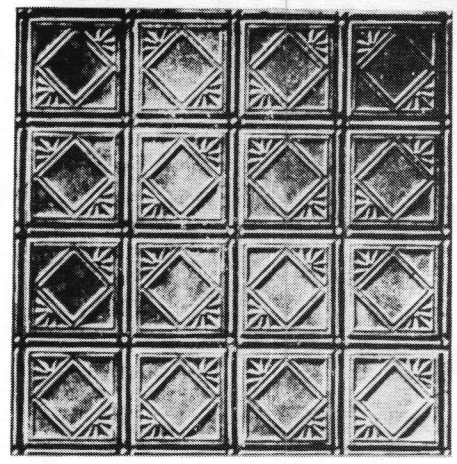

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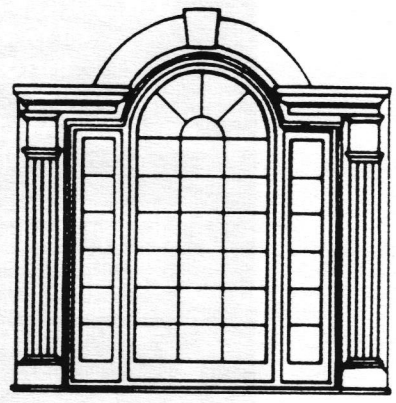

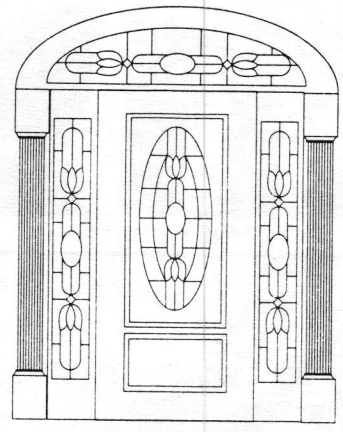

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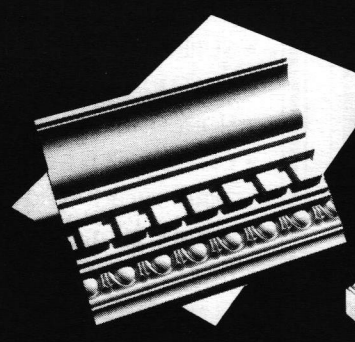

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WRITE IN NO. 163

INVITING BUSINESS: Commercial Facades as Calling Cards

Traditionally styled buildings — and building products — are increasingly being used for all kinds of commercial and retail developments: Restoring a 1930's brick storefront after the removal of aluminum sheathing, the transformation of a discount clothing store into an upscale restaurant, the construction of a new hotel on a vacant lot.

Because of the high turnover in business establishments, buildings and whole neighborhoods are constantly in a state of flux. Unchecked, the facades and streetscape can take on a chaotic quality, or at worst slide into dissolution. The challenge to business owners, design professionals, and community leaders is to keep a sense of order, security, and familiarity in the facades and streetscape, while at the same time providing a stimulating business environment. Traditional shapes and materials that attract pedestrian interest, while at the same time being psychologically reassuring and sensitive to their surroundings, make a good starting point.

In this special report on Commercial Facades, we present a broad array of product and service companies that are especially appropriate for the restoration and revitalization of centers of commerce, whether they are located on Main Street in Tulsa or just off Times Square. You will find companies that can restore copper cupolas or replicate cast-iron columns. The supplier listings are divided into two parts: Below on this page, you'll find the start of a Product Index to the primary products and services of the 84 companies the Editors selected for presentation. Then, on pp. 70-74, you'll find contact information for each supplier — along with brief descriptions of their specialties.

Outside Looking In

Despite the familiar dictum not to judge a book by its cover, anyone in the contemporary marketplace knows a good cover is still the quickest way to grab the customer's attention. Consumers are gifted at making swift assessments of where they'll spend their time and money. That's why the facade a business chooses to show the world is such an important marketing tool, as well as a statement about the company's relationship to the community.

Big, bland, shielded facades imply an impersonal and disinterested attitude toward customers and community. Smaller, individualized, and visually engaging storefronts and buildings animate their surroundings, offering pedestrians a variety of experiences. Even in buildings with no ground-level retail space, the incorporation of ornamental details or a window that allows one to see activities going on enlivens the street.

The way glass is used is a critically important factor on a building's exterior. Upper-story windows offer rhythm and reasons for the creation of architectural details. On street level, windows are important ingredients in creating a welcoming haven where the exchange of goods and services exists alongside the simple pleasures of strolling, window-shopping, and chance encounters.

The Specialty Glass Dilemma

But even when you can't see through it, glass is diverting. Stained-glass designs brighten up a building; patterned glass can make it intriguing; antique glass lends a sense of history; and colored structural glass, popular as a wall veneer in the 1930's and 1940's, still offers a unique look. The majority of patterned glass can be tempered, a safety consideration when used in commercial entries. Art glass, however, can be granted an exemption from the "requirements for hazardous locations," because the design draws attention to itself.

"The sight of action is an incentive for action. When people can see into spaces from the street their world is enlarged and made richer, there is more understanding; and there is the possibility for communication, learning."

-Alexander, Ishikawa, and Silverstein, "A Pattern Language"

For historic replacement of opaque facade glass, finding the appropriate material can be time-consuming — or impossible. Some types, such as white with gold flecks, aren't made anymore. And when you do finally track down the one you're looking for, you may run into minimum order situations. The following companies from our *SourceList* offer a good place to start.

The solid-colored wall-cladding that was marketed as Carrara Glass is no longer made by Pittsburgh Plate Glass. Now referred to as "structural glass," 50 in. X 99 in. plates in white, beige, lime green, black, raspberry, and blue are imported by Floral Glass and Mirror. The company matches other colors by using a silicone paint that lasts for 10 years.

Blenko Glass, a company in business for 101 years, carries on the tradition of producing "antique" sheet glass characterized by a waviness or a seeded or striated pattern. The company also makes rondels and bull's eyes; and it specializes in small runs of glass castings ranging from vault lights to art pieces up to 5 in. thick that are slowly cooled in computerized kilns.

Hollander Glass Central, Inc., is a major resource for specialty glass of all types — and has supplied a number of Main Street projects. It is a wholesale distributor of over 2,000 shades of colored and patterned glasses in clear, translucent, blown, and stained. — *SG*

INDEX TO PRODUCTS FOR COMMERCIAL FACADES

The following companies are listed on the *SourceList* on pp. 70-74, where contact information can be found. Companies in bold type have placed ads that you can consult for additonal detail. (Page numbers can be found in the Table of Contents on pp. 3 & 4.)

ARCHITECTURAL MILLWORK & TURNINGS

Architectural Products By Outwater
Boise Moulding & Lumber
Center Lumber Co.
M.L. Condon Co.
Crowning Touch, Inc.
Custom Decorative Mouldings
Henderson, Black, & Green
Jeffries Wood Works, Inc.
Jorgensen-Carr
King Richard's Limited
Mohamad Wood Turning Co., Inc.
New Found Woodworks
Pagliacco Turning & Milling
Ruffin & Payne, Inc.
Style-Mark, Inc.
Superior Hardwoods & Millwork
Timber Fab, Inc.
Wood Factory
Wood Window Workshop
Woodstone Company

BIRDPROOFING

Avian Flyaway, Inc.
Bird Master Bird Control Systems
Bird-X, Inc.
Ecopic
Midland Engineering Co.
Nixalite of America

COLUMNS

Architectural Facades Unlimited
Architectural Products By Outwater
Architectural Products Mfg. Co.
Architectural Reproductions
Art Home Studios
Boston Valley Terra Cotta
Center Lumber Co.
Chadsworth Columns
M.L. Condon Co.
Crowning Touch, Inc.
Design-Cast Corporation
Edon Corp.
Hartmann Sanders Co.
Henderson, Black, & Green
Historical Arts & Casting
King Richard's Limited
Mohamad Wood Turning Co., Inc.
Pagliacco Turning & Milling
Robinson Iron
Schwerd Manufacturing Co.
Seal Reinforced Fiberglass
Stahl Restorations
Superior Hardwoods & Millwork
Wood Factory
Worthington Group

CORNICES

Architectural Facades Unlimited
Architectural Fiberglass Corp.
Architectural Products Mfg. Co.
Architectural Reproductions
Art Home Studios
Boston Valley Terra Cotta
Crowning Touch, Inc.
Custom Decorative Mouldings
Design-Cast Materials Div.
Edon Corp.
Heather & Little, Ltd.
Historical Arts & Casting

continued on page 70

Cornices
continued from page 69

King Richard's Limited
Midland Engineering Co.
W.F. Norman Corporation
Robinson Iron
Rogers Roofing Co., Inc.
Seal Reinforced Fiberglass
Stahl Restorations
Style-Mark, Inc.
Superior Hardwoods & Millwork
Worthington Group

CUPOLAS & STEEPLES

Accent Millworks, Inc.
Denninger Cupolas & Weather Vanes
The J.A. Du Lac Co.
Edon Corp.
Historical Arts & Casting
King Richard's Limited
Kivett's
Midland Engineering Co.
Robinson Iron
Rogers Roofing Co., Inc.
Seal Reinforced Fiberglass
Smith of Derby, Clockmakers
Timber Fab, Inc.

ENTRANCE DOORS

Boise Moulding & Lumber
Bovard Studio Inc. Stained Glass
Center Lumber Co.
Chautauqua Woods Corp.
Coppa Woodworking
Custom Decorative Mouldings
Entry Fabricators, Inc.
Historical Arts & Casting
Jennifer's Glassworks
Jorgensen-Carr
King Richard's Limited
Midwest Architectural Wood Products
Millwork Specialties
New Found Woodworks
Robinson Iron
Ruffin & Payne, Inc.
Stahl Restorations
Superior Hardwoods & Millwork
Vestibule Restoration Corp.
Wallis Doors & Stained Glass
Wood Factory
Wood Window Workshop
Woodstone Company

FACADE RESTORATION SERVICES

AOI Waterproofing
Abatron, Inc.
Architectural Facades Unlimited
Architectural Reproductions
General Restoration Co.
Gougeon Brothers
Historical Arts & Casting
Liberty Cedar
Midland Engineering Co.
W.F. Norman Corporation
Robinson Iron
Rogers Roofing Co., Inc.
Seal Reinforced Fiberglass
Stahl Restorations
Stulb's Old Village Paint
Superior Hardwoods & Millwork
Vertical Access

GILDING

Sepp Leaf Products, Inc.

ORNAMENTAL METAL

Denninger Cupolas & Weather Vanes
The J.A. Du Lac Co.
Entry Fabricators, Inc.
Heather & Little, Ltd.
Historical Arts & Casting
King Richard's Limited
Midland Engineering Co.
W.F. Norman Corporation
Robinson Iron
Rogers Roofing Co., Inc.
Vestibule Restoration Corp.

ROOFING SPECIALTIES

Accent Millworks, Inc.
Heather & Little, Ltd.
Liberty Cedar
Mullane Snow Guards
Newport Fastener
W.F. Norman Corporation
Tradesman's Choice

SHEETMETAL

Midland Engineering Co.
Rogers Roofing Co., Inc.
W.F. Norman Corporation

SHUTTERS

Beech River Mill Corp.
Center Lumber Co.
Crowning Touch, Inc.
Stahl Restorations
Vixen Hill Mfg. Co.

SPECIALTY FINISHES

Fine Paints of Europe
Patina Finishes & Copper Coatings, Inc.
Sepp Leaf Products, Inc.

SPECIALTY GLASS

Blenko Glass Company
Bovard Studio Inc. Stained Glass
Cain Architectural Art Glass
Chautauqua Woods Corp.
Connecticut River Glass & Millwork
Floral Glass & Mirror

Hollander Glass Central, Inc.
Jennifer's Glassworks
King Richard's Limited
Wallis Doors & Stained Glass
Wood Window Workshop

STEEPLEJACK SERVICES

Kivett's
Yankee Steeplejack Co.

STOREFRONTS

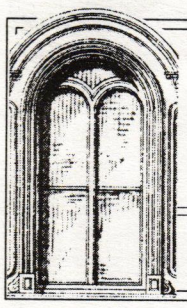
Architectural Facades Unlimited
Architectural Reproductions
Center Lumber Co.
Custom Decorative Mouldings
Historical Arts & Casting
King Richard's Limited
Liberty Cedar
Midwest Architectural Wood Products
Millwork Specialties
W.F. Norman Corporation
Robinson Iron
Seal Reinforced Fiberglass
Stahl Restorations
Superior Hardwoods & Millwork
Wood Window Workshop

TERRA COTTA REPLACEMENT

Architectural Reproductions
Art Home Studios
Boston Valley Terra Cotta
Design-Cast Materials Div.
Edon Corp.
King Richard's Limited
Midland Engineering Co.
Seal Reinforced Fiberglass

WINDOWS

Advantage Window Systems
Allied Window, Inc.
Boise Moulding & Lumber
Bovard Studio Inc. Stained Glass
Cain Architectural Art Glass
Center Lumber Co.
Connecticut River Glass & Millwork
Custom Decorative Mouldings / CDM
Floral Glass & Mirror
Jennifer's Glassworks
King Richard's Limited
Midwest Architectural Wood Products
Millwork Specialties
New Found Woodworks
Walter E. Phelps Co.
Robinson Iron
Rogers Roofing Co., Inc.
Ruffin & Payne, Inc.
Seekircher Steel Window Repair
Stahl Restorations
Wood Window Workshop
Woodstone Company ■



TRADITIONAL BUILDING's COMMERCIAL FACADES *SourceList*

COMPILED BY SHARON GARBE

COMPANY	SPECIALTY	Literature
AOI Waterproofing **649 Morgan Ave., Dept. TB** **Brooklyn, NY 11222** **718-388-0900**	Company offers waterproofing and facade restoration.	Free *Write in No. 45*
Abatron, Inc. **P.O. Box 217, Dept. TB** **Gilberts, IL 60136** **800-445-1754**	Three restoration systems: LiquidWood — a penetrating epoxy wood consolidant; WoodEpox — an epoxy wood paste for wood replacement; Abocrete — for patching and resurfacing concrete; and Abojet resins. Also carries moldmaking materials.	Free *Write in No. 130*
Accent Millworks, Inc. **285 N. Amboy Rd., Dept. TB** **Conneaut, OH 44030** **216-593-6775**	Stock 4- and 6-sided cupolas with straight and pagoda roofs; belltop and 4-gable styles are also available. Custom work quoted in 24 hours. Copper or aluminum roofing materials. Also, wood finials and stock weathervanes in 24 to 60 in. sizes.	Free *Write in No. 4*

COMPANY	SPECIALTY	Literature
Advantage Window Systems **129 Bayview Ave., Dept. TB** **Port Washington, NY 11050** **800-944-0338, 516-944-3644**	Manufacturers of 'Comfort Plus' interior storms, which feature insulating glass, integral weatherseal, narrow-profile (1-1/8 in.) hardwood sash (paint or stain grade), and custom sizes.	Free *Write in No. 79*
Allied Window, Inc. **2724 W. McMicken Ave., Dept. TB** **Cincinnati, OH 45214** **800-445-5411 513-559-1212**	'Invisible' aluminum storm windows for interior or exterior. Custom colors, special shapes, and special glazing materials are routine. Experienced in glazing for large openings.	Free *Write in No. 69*
Architectural Facades Unlimited **440 W. Julian, #240, Dept. TB** **San Jose, CA 95110** **408-298-2758**	Custom manufacture of interior and exterior precast architectural ornamentation. On-site, full-service drawings, patterning, mold making, casting of columns, balustrades, cornices, niches, and more; commercial or residential.	Free *Write in No. 147*

For an alphabetical Index to products supplied by these companies, see pp. 69-70.

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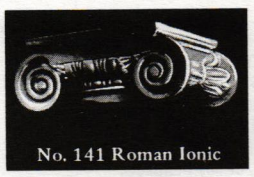
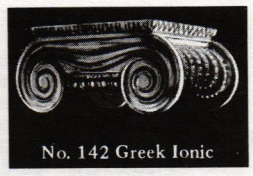
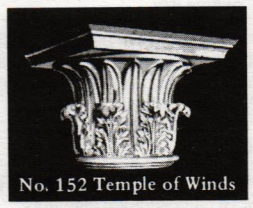
wood columns

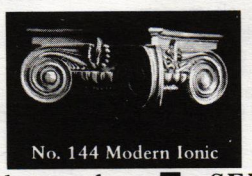
No. 140 Scamozzi


No. 141 Roman Ionic


No. 142 Greek Ionic

No. 150 Roman Corinthian


No. 152 Temple of Winds


No. 144 Modern Ionic

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

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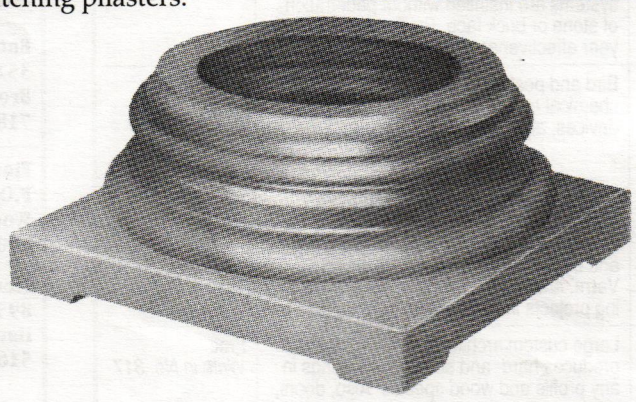

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WRITE IN NO. 37

TRADITIONAL BUILDING's COMMERCIAL FACADES *SourceList*

COMPILED BY SHARON GARBE

COMPANY	SPECIALTY	Literature
Architectural Fiberglass Corp. **1395 Marconi Blvd., Dept TB** **Copiague, NY 11726** **800-439-2000, 516-842-4772**	FRP cornices, pediments, balustrades, balconies, and facades. Large selection of stock molds can suit most parapet and storefront cornice needs; on-site molds. Units are lightweight, durable, UV resistant, fire-retardant, easily installed, and cost effective.	Free *Write in No. 640*
Architectural Products by Outwater **52 Passaic St., Dept. TB** **Wood-Ridge, NJ 07075** **800-835-4400, 201-365-2002**	Extensive selection of polymer moldings, balustrades, ceiling medallions, chair rails, columns, capitals, and more in a large variety of sizes, styles, shapes, and materials. Wide selection of polymer lattice and sculpture.	Free *Write in No. 493*
Architectural Products Mfg. Co. **7470 Greenbush Ave., Dept. TB** **N. Hollywood, CA 91605** **818-982-2311**	Manufacturers of GRG, modified GRG, and GFRC architectural elements, including columns, capitals, mantels, moldings, ceiling panels, niches, domes, friezes, etc. Stock and custom columns.	Free *Write in No. 897*
Architectural Reproductions **525 N. Tillamook St., Dept. TB** **Portland, OR 97227** **503-284-8007**	Manufacturer of architectural elements in GFRC, fiberglass, and modified gypsum.	Free *Write in No. 613*
Art Home Studios **64 Huron St., Dept. TB** **Brooklyn, NY 11222** **718-383-0603**	Architectural sculpture studio specializing in ornamental detail for historic restorations and new construction. Can work from drawings. Exterior molded ornament in cast stone and other materials for terra cotta replacement.	Free *Write in No. 643*
Avian Flyaway, Inc. **1101 Ridge Rd., Ste. 103, Dept. TB** **Rockwall, TX 75087** **214-711-1400**	Offers a fast, safe, aesthetically and environmentally effective process of eliminating unwanted birds from a defined area, including structures and trees, using electric barriers or wire grids as needed.	Free
Beech River Mill Corp. **R.R. Box 236, Dept. TB** **Center Ossipee, NH 03814** **603-539-2636**	Custom shutters and hardware. Company specializes in duplication and authentic reproduction of both shutters and hardware, in any size. Consultation, design, site visit, and installation services.	Free *Write in No. 411*
Bird Master Bird Control Systems **32 Cummings Park, Dept. TB** **Woburn, MA 01801** **800-562-2473, 617-932-6462**	Designs and installs bird proofing systems to blend in with existing features of historic buildings. Its Spinguard and Netguard systems are installed without penetration of stone or brick face. Products carry a 5-year effectiveness guarantee.	Free *Write in No. 483*
Bird-X, Inc. **730 W. Lake St., Dept. TB** **Chicago, IL 60661** **312-648-2191**	Bird and pest repelling products: Non-toxic chemical roost inhibitors, visual and sound devices, and physical barriers.	Free
Blenko Glass Co. **P.O. Box 67, Dept. TB** **Milton, WV 25541** **304-743-9081**	This 101-year-old company produces "antique" hand-blown window glass with waves, seeds, or cords; hand-spun rondels and bull's eyes; vault lights, Dalles de Verre, and more, including small run casting projects in thicknesses from 3/4 to 5 in.	Free
Boise Moulding & Lumber **116 E. 44th St., Dept. TB** **Boise, ID 83714** **208-322-6066**	Large custom architectural millwork shop produces hard- and softwood moldings in any profile and wood species. Also, doors, windows, paneling, stairways, mantels, flooring.	Free *Write in No. 317*
Boston Valley Terra Cotta **6860 S. Abbott Rd., Dept. TB** **Orchard Park, NY 14127** **716-649-7490**	Produces terra cotta replacement for in-kind restoration. Can work from drawings or photos, make molds, and create final ornamentation. Terra cotta ornament, roofing tile, columns, capitals, etc.	Free *Write in No. 16*
Bovard Studio Inc. Stained Glass **52 E. Briggs St., Dept. TB** **Fairfield, IA 52556** **800-452-7796, 515-472-2824**	Studio produces new work and has extensive restoration experience with stained glass windows. Hand-painted medallions and faceted glass; all complete with wood, aluminum, or steel frames. Also, storm windows & wood or bronze doors.	Free *Write in No. 769*
Cain Architectural Art Glass **Rt. 1 Box AAA, Dept. TB** **Bremo Bluff, VA 23022** **804-842-3984**	Designers and builders of hand-beveled glass windows (22 yrs.), using 1915 Henry Lang machinery; glass is guided by hand over rotating iron, stone, cork, and felt to produce beveled windows with historical characteristics.	Free *Write in No. 55*
Center Lumber Co. **P.O. Box 2242, Dept. TB** **Paterson, NJ 07509** **201-742-8300**	Hardwood lumber and architectural millwork: Doors, windows, moldings, etc. Company has grinding facility to match existing profiles, with over 2,000 knives to choose from. Can match any profile.	Free *Write in No. 680*
Chadsworth Columns **P.O. Box 53268, Dept. TB** **Atlanta, GA 30355** **404-876-5410**	Major supplier of architecturally correct columns in all of the classical orders. Available in both traditional stavework wood columns and new fiberglass models. Structural and ornamental.	Free *Write in No. 158*
Chautauqua Woods Corp. **P.O. Box 130, Dept. TB** **Dunkirk, NY 14048** **716-366-3808**	Manufactures furniture-quality doors and entryways. Dozens of styles ranging from Victorian to contemporary. Custom designs. Also produces art glass.	Free *Write in No. 965*
M.L. Condon Co. **256 Ferris Ave., Dept. TB** **White Plains, NY 10603** **914-946-4111**	Large-capacity shop stocks wood in species from A to Z and will create any profile to spec. Moldings, railings, balusters, wainscoting, columns, and more.	Free *Write in No. 401*
Connecticut River Glass & Millwork **P.O. Box 938, Dept. TB** **Charlestown, NH 03603** **603-826-5703**	Historic restoration and replication of window sashes, retrofitting existing sashes with insulated glass, and supplying window fabrication with narrow sight line insulated glass for historic millwork.	Free

COMPANY	SPECIALTY	Literature
Coppa Woodworking **1231 Paraiso Ave., Dept. TB** **San Pedro, CA 90731** **310-548-4142**	Offers kits for Adirondack furniture and carries 90 styles of wood doors in a variety of thicknesses. Species include pine, Douglas fir, mahogany, and oak. All sizes and finishes; arched tops available.	Free *Write in No. 960*
Crowning Touch, Inc. **8902 Rosehill Rd., Dept. TB** **Lenexa, KS 66215** **800-444-0462, 913-888-2929**	Variety of architectural elements, including pilasters and columns with bases and capitals, ceiling medallions, crown moldings, panel moldings, etc. Custom ceilings for hospitality clients; highly decorative panels and appliques.	Free
Custom Decorative Mouldings **P.O. Box F, Dept. TB** **Greenwood, DE 19950** **800-543-0553**	Molded exterior ornaments in high-density prefinished polyurethane. Products include archways, pediments, pilasters, capitals, louvers, corbels, and moldings.	Free *Write in No. 485*
Denninger Cupolas & Weather Vanes **RD 1, Box 447, Dept. TB** **Middletown, NY 10940** **914-343-2229**	Redwood cupolas with hand-seamed copper roofs; weathervanes, banners, arrows, caps, and finials — standard and custom — available in copper, brass, aluminum, stainless steel, and iron. Historical replications a specialty.	Free *Write in No. 730*
Design-Cast Materials Div. **951 Pennsylvania Ave., Dept. TB** **Trenton, NJ 08638** **609-392-1922**	Interior and exterior custom-molded ceramic stone laminates (columns, cornices, etc.) designed for non-loadbearing applications. Materials can be colored and molded to match stone, wood, and metal.	Free *Write in No. 651*
The J.A Du Lac Co. **3462 S. Channel Dr., Dept. TB** **Harsen's Island, MI 48028** **810-748-9606**	Hand-crafted, historically inspired cupolas, finials, and full-bodied copper weathervanes. Traditional designs available in classic American Country, Federal Colonial, and Victorian stylings.	Free *Write in No. 61*
Ecopic **725 S. Adams Rd., Ste. 270, Dept. TB** **Birmingham, MI 48009** **810-647-0505**	A bird deterrent system that uses stainless steel rods arranged in a triangular configuration and stamped into a clear polystyrene base. Inconspicuous and safe, it adheres to buildings with silicon.	Free *Write in No. 233*
Edon Fiberglass **1160 Easton Rd., Dept. TB** **Horsham, PA 19044** **800-523-2539, 215-672-8050**	This full-service design and fabrication shop is experienced in making columns, cornices, cupolas, domes, spires, steeples, minarets, and other architectural shapes; restoration/reproduction.	Free *Write in No. 189*
Entry Fabricators, Inc. **3522 Webster Ave., Dept. TB** **Bronx, NY 10467** **718-798-0637**	Fabrication of new ornamental iron and architectural aluminum historical and landmark-qualified entrances and vestibules for commercial and residential buildings.	Free *Write in No. 482*
Fine Paints of Europe **P.O. Box 419, Dept. TB** **Woodstock, VT 05091** **800-332-1556, 802-457-2468**	Importer/distributor/retailer of high-quality Dutch alkyd paints, primers, Swedish putty, and tools. Company offers full technical support and training programs.	Free *Write in No. 694*
Floral Glass & Mirror **895 Motor Parkway, Dept. TB** **Hauppauage, NY 11788** **516-234-2200**	Standard and insulating glass; also distributes Carrara glass (from Czechoslovakia) in white, black, mint green, and beige. Pink, gray-green, gray, and light blue can be special ordered. Other colors can be matched with a non-peeling, non-fading silicon glass paint.	Free
General Restoration Co., Inc. **880 E. 141st St., Dept. TB** **Bronx, NY 10454** **718-585-4141**	Specializes in the repair and restoration of deteriorated terra cotta, stone, brick, and other masonry facades.	Free *Write in No. 238*
Gougeon Brothers **P.O. Box X908, Dept. TB** **Bay City, MI 48707** **517-684-7286**	The West System brand epoxies — developed originally for the wooden boat industry — include products for bonding, coating, and repairing cracks and holes in wood, steel, aluminum, and fiberglass.	Free *Write in No. 814*
Hartmann Sanders Co. **4340 Bankers Cir., Dept. TB** **Atlanta, GA 30360** **404-449-1561**	Custom architectural wood columns and capitals in wood, composites, and fiberglass for interior and exterior applications. Columns are classically correct in design — from shaft entasis to capital details.	Free
Heather & Little, Ltd. **39 Wagstaff Dr., Dept. TB** **Toronto, Ont. Canada M4L 2R8** **800-450-0659**	Since 1925, a specialist in the reproduction of sheet-metal ornaments, including finials, cornices, lion heads, crestings, canopies, metal roofing shingles, and press-metal siding. Deliveries average 8 weeks.	Free *Write in No. 247*
Henderson, Black, & Green **P.O. Box 589, Dept. TB** **Troy, AL 36081** **205-566-5000**	PermaCast columns with FRP shaft, polyurethane sleeve type cap and base which are weatherproof and low maintenance. Other products include polyurethane pediments, pilasters, moldings, medallions, and cartouches. Also, FRP/fiberglass balustrade system.	Free *Write in No. 38*
Historical Arts & Casting **5580 W. Bagley Park Rd., Dept. TB** **West Jordan, UT 84088** **801-569-2400**	Expertly crafted metal ornamentation, including cornices, railings, store fronts, fences, bridges, planters, lighting, and more; in bronze, aluminum, or iron. Restoration and custom work a specialty; will work from shop drawings.	Free *Write in No. 121*
Hollander Glass Central, Inc. **1505 Centre Cir., Dept. TB** **Downer's Grove, IL 60515** **800-323-4293, 708-629-7221**	Wholesale distributor of an exceptionally large array of specialty glass, inlcuding antique, colored (over 2,000 shades), textured and patterned in clear and translucent, blown, and stained.	Free
Jeffries Wood Works, Inc. **8807 Valgro Rd., Dept. TB** **Knoxville, TN 37920** **615-573-5876**	Short-run specialty service to duplicate original profiles; longer runs welcome. Trim packages in any wood species (will utilize client's material to create matching molding, paneling, turnings, and stair parts).	Free

For an alphabetical Index to products supplied by these companies, see pp. 69-70.

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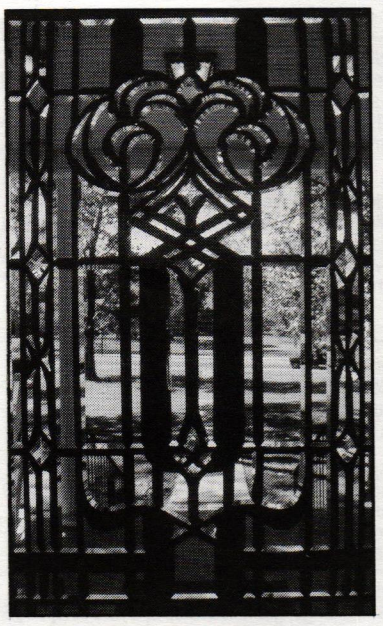

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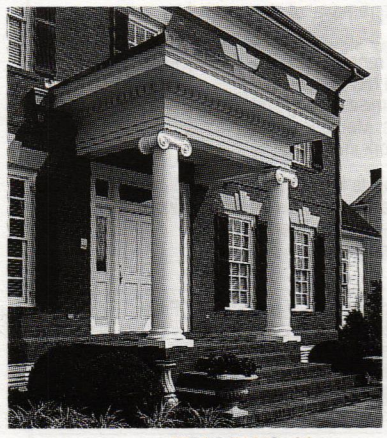
10"	8'	10'	12'			
12"	8'	10'	12'	14'	16'	18'
14"	8'	10'	12'			



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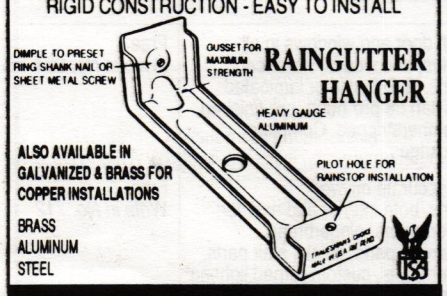

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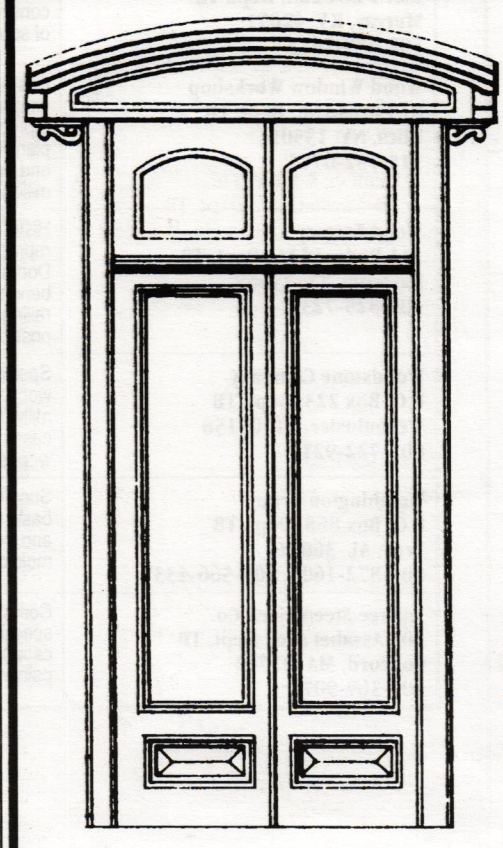

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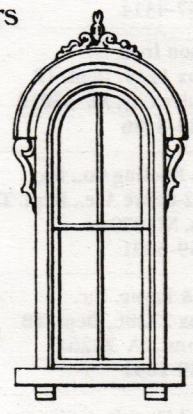

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Fax # 516-536-1281

MEMBER ARCHITECTURAL WOODWORK INSTITUTE MEMBER NATIONAL HARDWOOD LUMBER ASSOC.

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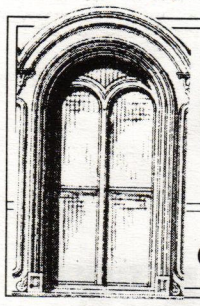

TRADITIONAL BUILDING's COMMERCIAL FACADES *SourceList*

COMPILED BY SHARON GARBE

COMPANY	SPECIALTY	Literature
Jennifer's Glassworks **4875 S. Atlanta Rd., Dept. TB** **Smyrna, GA 30080** **800-241-3388, 404-355-3080**	Company specializes in beveled glasswork for doors, as well as offering a range of art glass techniques for commercial applications. Design staff available.	Free *Write in No. 848*
Jorgensen-Carr **111 First St., Dept. TB** **Jersey City, NJ 07302** **201-792-2278**	Architectural woodworking firm specializing in custom cabinetry, paneling, doors, and unique furniture for commercial and residential spaces.	Free *Write in No. 644*
King Richard's Limited **226 W. Ontario, 4th Fl., Dept. TB** **Chicago, IL 60610** **312-482-9500**	Architectural antique emporium buys and sells interior and exterior salvage and antiques: Wood, metal, stone, and especially, terra cotta works.	Free
Kivett's **P.O. Drawer 590, Dept. TB** **Clinton, NC 28328** **800-334-1139**	Major manufacturer of FRP steeples and church furnishings like pews and chancel furniture. Offers steeplejack services.	Free
Liberty Cedar **535 Liberty Ln., Dept. TB** **West Kingston, RI 02892** **401-789-6626**	Western red cedar taper-sawn shakes, hand-split and resawn shakes, taper-split shingles, and straight-split shakes. Historic projects a specialty.	Free *Write in No. 653*
Midland Engineering Co. **P.O. Box 1019, Dept. TB** **South Bend, IN 46624** **219-272-0200**	Major contractor with extensive experience in fabricating and installing exterior cornice, slate and tile roofing, domes, steeples, and other exterior work on large historic properties. Works nationwide.	Free *Write in No. 742*
Midwest Architectural Wood Products **1051 S. Rolff St., Dept. TB** **Davenport, IA 52802** **319-323-4757**	Produces custom windows and doors with a special emphasis on historic restoration projects. AWI premium grade construction is used, with a wide variety of glazing and wood species options.	Free *Write in No. 146*
Millwork Specialties **189 Prospect Ave., Dept. TB** **Brooklyn, NY 11215** **718-768-7112**	Custom millwork shop specializing in the manufacture of landmark windows, doors, and entyways. Commercial or residential; all wood species; bent, round, or arched tops.	Free *Write in No. 305*
Mohamad Wood Turning Co., Inc. **28 Meadow St., Dept. TB** **Brooklyn, NY 11206** **718-417-0025**	Specializes in custom wood turnings and columns in all classical styles; load-bearing for interior or exterior use. Can furnish fluting, reeding, rope twists, and custom carving. Fractional columns available.	Free
Mullane Snow Guards **17 Mason St., Dept. TB** **Hudson, MA 01749** **508-568-0597**	Bronze snow guards in eagle and standard castings for slate, wood, shingle, and metal roofs. Slate guards easily retrofit to existing roofs with no removal of slate.	Free *Write in No. 56*
New Found Woodworks **3525 Lawson Blvd., Dept. TB** **Oceanside, NY 11572** **516-536-1200**	Custom and historic reproduction wood windows, doors, and moldings. Custom knife profiling on premises. Long and short run custom moldings. Member architectural woodwork institute.	Free *Write in No. 304*
Newport Fastener **1300 Gene Autry Way, Dept. TB** **Anaheim, CA 92805** **714-385-1111**	Roof fastener specialists for 31 years. Manufactures architectural metals for tile roofs, including Tyle-Tye and Tile-Tie fastening systems and hurricane clips for roof tile.	Free *Write in No. 391*
Nixalite of America, Inc. **P.O. Box 727, Dept. TB** **East Moline, IL 61244** **800-624-1189, 309-755-8771**	Strips present a simple barrier of needle-sharp stainless-steel points that do not harm birds, but prevent their landing/roosting on the surface protected. Worldwide use with humane society acceptance.	Free *Write in No. 37*
W.F. Norman Corporation **P.O. Box 323, Dept. TB** **Nevada, MO 64772** **800-641-4038**	Major fabricator of sheet-metal ornament: Hundreds of stock designs of cornices, moldings, brackets, etc. Duplications from samples or drawings.	Free *Write in No. 52*
Pagliacco Turning & Milling **P.O. Box 225, Dept. TB** **Woodacre, CA 94973** **415-488-4333**	Standard and custom columns and other turnings in all the classical styles. Solid and hollow turnings from 1-5/8 in. to 24 in. by 20 ft.; some are load bearing. Stair parts, railings, balusters, and custom work.	Free *Write in No. 707*
Patinas and Copper Coatings **8455 Commerce Ave. #B, Dept. TB** **San Diego, CA 92121** **800-882-7004**	Manufacturers of surface coatings and patina solutions, which can be applied to metals, drywall, wood, etc. Water-based metal coatings in silver, gold, and bronze; 4 patina colors. For interior or exterior use.	Free *Write in No. 315*
Walter E. Phelps Co. **Box 453, RR #5, Dept. TB** **Brattleboro, VT 05301** **802-257-4314**	Solid brass and steel sash pulleys in ball bearing and plain-bearing models.	Free *Write in No. 595*
Robinson Iron **P.O. Box 1119, Dept. TB** **Alexander City, AL 35010** **205-329-8486**	Major cast-iron restoration and supply firm that also works in aluminum and bronze offers — from the restoration/replication of cast-iron facades to stock and custom fencing and landscape furnishings.	Free *Write in No. 324*
Rogers Roofing Co., Inc. **251-1,2 Grove Ave., Dept. TB** **Verona, NJ 07044** **201-239-5001**	Major roofing contractor with expertise in traditional roofs, domes, steeples, slate and tile. Custom copper work, wood roofs, drainage systems, and complete exterior restoration. On-site metal shop.	Free *Write in No. 746*
Ruffin & Payne, Inc. **P.O. Box 27286, Dept. TB** **Richmond, VA 23261** **804-329-2691**	Manufactures wood windows to custom size and detail, as well as doors and other millwork to order. Experienced in historic replications; authentic Colonial Williamsburg detail a specialty.	Free *Write in No. 335*
Schwerd Manufacturing Co. **3215 McClure Ave., Dept. TB** **Pittsburgh, PA 15212** **412-766-6322**	Column specialists. Standard and custom columns can be furnished with matching pilasters. Complete aluminum bases available for even-diameter exterior columns. 10 styles of capitals.	Free *Write in No. 161*
Seal Reinforced Fiberglass **23 Bethpage Rd., Dept. TB** **Copiague, NY 11726** **516-842-2230**	Molder and tooler fabricates FRP building components. Stock and custom columns, cornices, cupolas, and other elements; on-site molds. Also carries landscape furnishings.	Free *Write in No. 462*
Seekircher Steel Window Repair **630 Saw Mill River Rd., Dept. TB** **Ardsley, NY 10502** **914-693-1920**	This shop specializes in steel casement window adjustments and repair for residential, commercial, or historic buildings.	Free *Write in No. 359*
Sepp Leaf Products, Inc. **381 Park Ave. South, Dept. TB** **New York, NY 10016** **212-683-2840**	Suppliers of gilding products and tools: Gold leaf booklets and rolls, imitation gold and aluminum, sizes, burnishing clays, etc. Also associated with the Center for Gilding Arts, which offers all levels of gilding courses.	Free *Write in No. 288*
Smith of Derby, Clockmakers **14 John Poulter Rd., Dept. TB** **Lexington, MA 02173** **617-235-0391**	Eminent clock designers have a repertoire that includes pillar clocks, wall-mounted dials, convex dials, floral dials, tower and steeple clocks, and custom fabrication. Conservation and restoration of antique clocks.	Free *Write in No. 214*
Stahl Restorations **P.O. Box 1991, Dept. TB** **Hoboken, NJ 07030** **201-659-6754**	Provides a full range of architectural preservation services, from meticulous restoration of old wood to the creation of new work in traditional styles: Cornices, windows, doors, store fronts, and porches.	Free
Stulbs Old Village Paints **P.O. Box 2612, Dept. TB** **Fort Washington, PA 19034** **215-654-1770**	This company specializes in historic paints: Old Village linseed oil paints and Williamsburg Buttermilk Paints and Glazes. It is also a source for feathers, combs, and other graining tools.	Free *Write in No. 110*
Style-Mark, Inc. **960 W. Barre Rd., Dept. TB** **Archbold, OH 43502** **800-446-3040, 419-445-0116**	High-density polyurethane millwork and building accents: Moldings, gable louvers, door entrance systems, pilasters, mantels and pediments; can be nailed, sawn, drilled, or glued.	Free *Write in No. 485*
Superior Hardwoods & Millwork **P.O. Box 4731, Dept. TB** **Missoula, MT 59806** **800-572-9601**	Paneling, flooring, and custom millwork for facades. Works in a wide range of wood species, from hardwoods such as butternut and Jamaican blue mahow to softwoods like Montana tamarack.	Free *Write in No. 810*
Timber Fab, Inc. **P.O. Box 399, Dept. TB** **Tarboro, NC 27786** **919-641-4141**	Custom timber framing company specializing in exposed beam trusses, custom entryways, timbered interiors, and steeples.	Free *Write in No. 570*
Tradesman's Choice **3926 Canehill Ave., Dept. TB** **Long Beach, CA 90808** **714-935-2800**	Carries special gutter hangers.	Free *Write in No. 812*
Vertical Access **P.O. Box 4135, Dept. TB** **Ithaca, NY 14852** **607-257-4049**	Inspection and testing services for extreme or otherwise hard-to-reach locations. Services include written reports, video and photo documentation, Boroscope surveys, wall tie, and crack mapping.	Free *Write in No. 476*
Vestibule Restoration Corp. **P.O. Box 361, Dept. TB** **Thiells, NY 10984** **718-798-1890**	Specialists in restoration of landmark and historic wrought-iron entrances. Existing ornamentation and filigree re-utilized; architectural plans and specifications available with each upgrade.	Free *Write in No. 482*
Vixen Hill Mfg. **Main St., Dept. TB-4** **Elverson, PA 19520** **215-286-0909**	Supplies solid panel or fixed-slat cedar shutters and top-of-the-line gazebos.	Free *Write in No. 123*
Wallis Doors & Stained Glass **Rte. 1 Box 22A, Dept. TB** **Murray, KY 42071** **502-489-2613**	Victorian carved and stained glass doors made with blind mortise & tenon construction. Stock and custom work. Line of solid brass hardware.	Catalog $4
Wood Window Workshop **839 Broad St., Dept. TB** **Utica, NY 13501** **315-732-6755**	Custom built door and windows in all shapes, styles, and woods; historical reproductions. Rail-&-stile or laminated plank doors can be pre-hung, pre-finished, and fully weatherstripped. Complete millwork packages.	Free *Write in No. 964*
Wood Factory **111 Railroad St., Dept. TB** **Navasota, TX 77868** **409-825-7233**	Historically accurate millwork reproductions, both interior and exterior: Doors, screen doors, gingerbread, benches, gazebo parts, finials, stair parts, railings, porch parts, custom-turned lighting posts. Custom matching available.	Free *Write in No. 712*
Woodstone Company **P.O. Box 223, Dept. TB** **Westminster, VT 05158** **802-722-9217**	Specialist in making high-quality traditional wood windows. Also provides other millwork, such as moldings, turnings, casework, doors, etc., in a variety of woods, including exotics.	Free *Write in No. 843*
Worthington Group **P.O. Box 868, Dept. TB** **Troy, AL 36081** **800-872-1608, 205-566-4537**	Supplier of true classical columns in all the basic orders. Also: FiberClassics columns and balustrades, panel and cornice moldings, brackets, mantles, and furniture.	Free *Write in No. 163*
Yankee Steeplejack Co. **103 Assabet Ave., Dept. TB** **Concord, MA 01742** **508-369-9078**	Complete steeplejack services and specialty rigging. Unlimited heights and capabilities; simple waterproofing and painting through complete roof jobs.	Free *Write in No. 348*

For an alphabetical Index to products supplied by these companies, see pp. 69-70.

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Historic preservationists recognize that our nation's architectural treasures need to be protected from these unwanted guests. In many cases, "off the shelf" treatments, such as porcupine strips, sticky repellant gel, electrical shock systems, to name a few, do more damage to the fabric of the buildings, than the bird populations themselves.

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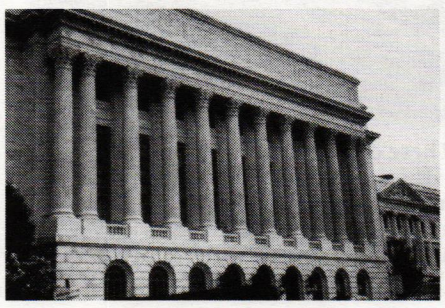
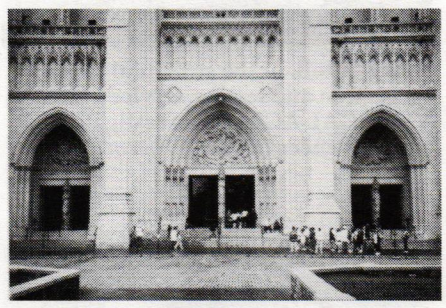


Entrance to U.S. Department of Agriculture, Washington, DC



National Cathedral, Washington, DC

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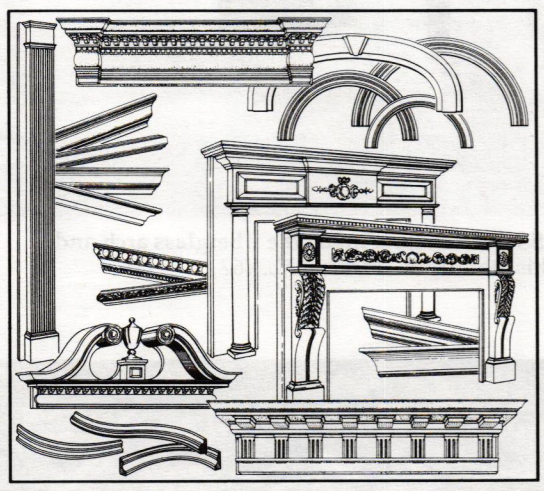
WRITE IN NO. 483

Free catalog reveals how to get Custom Woodwork that will make your clients rave about you.



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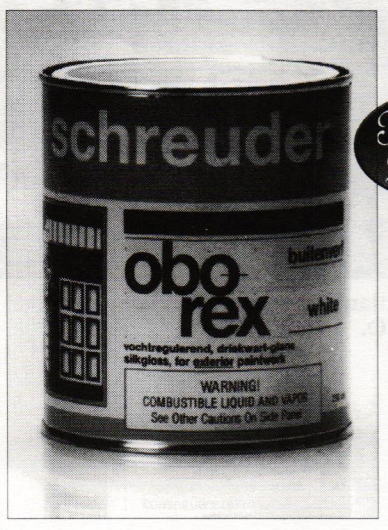

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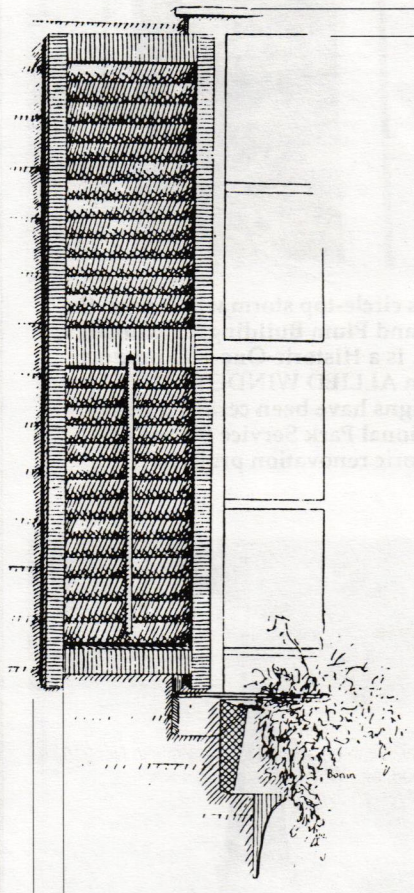

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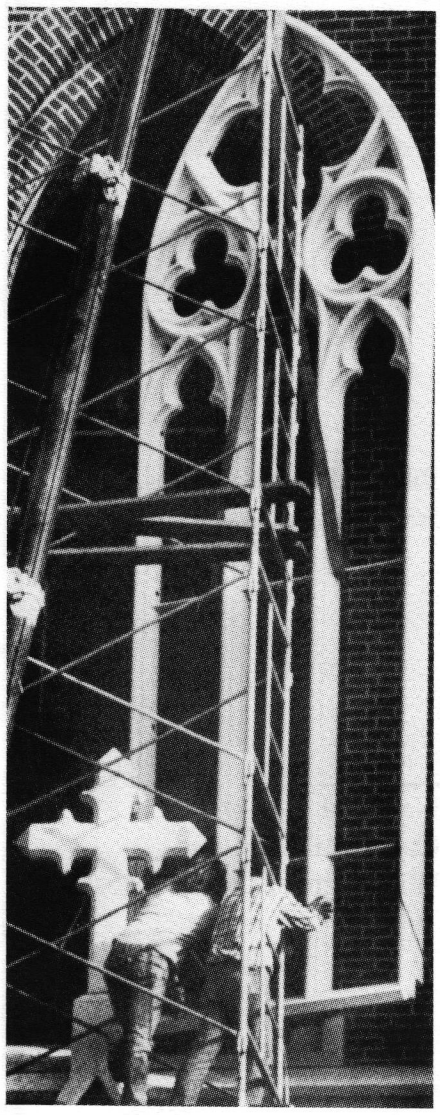
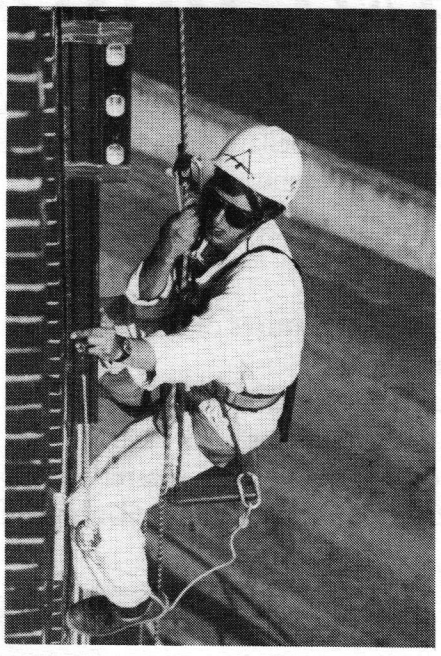
COMMERCIAL FACADES PORTFOLIO

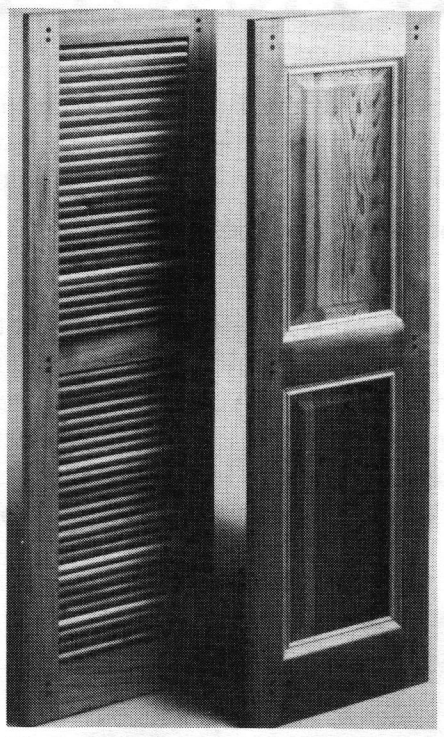
For more information on these companies, consult the SourceList on pp. 70-74.



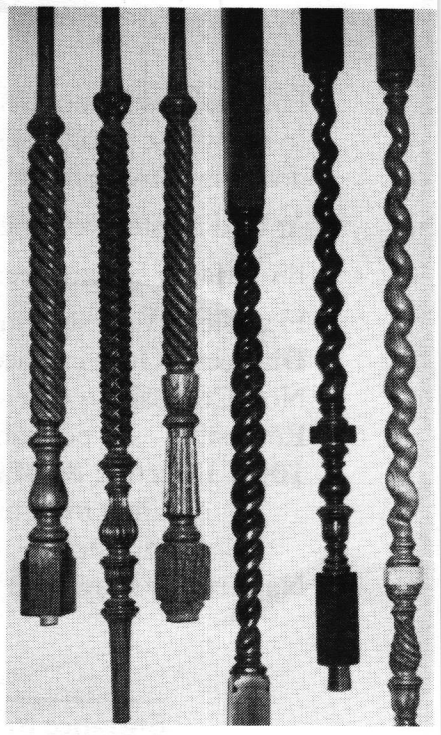
BOVARD STUDIO INC., STAINED GLASS craftspeople are shown installing a 21-ft. high Gothic window frame in the St. Francis Solanus, Quincy, IL. The studio reproduced the Honduran mahogany frame after the original was lost in a fire. *Write in No. 769*



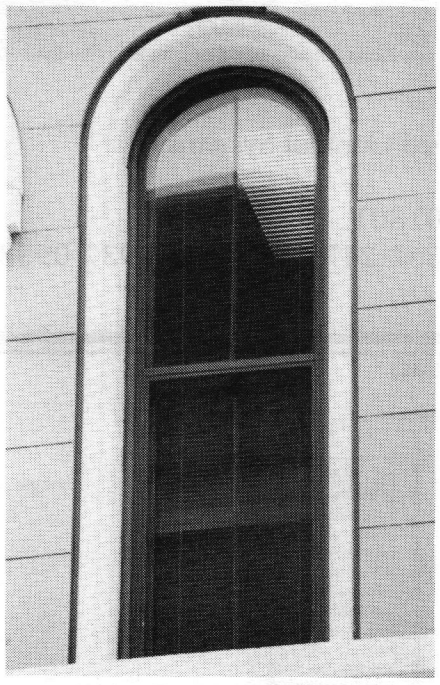
Harry Littell, of the structural inspection and testing service VERTICAL ACCESS, investigates a brick veneer failure. *Write in No. 476*



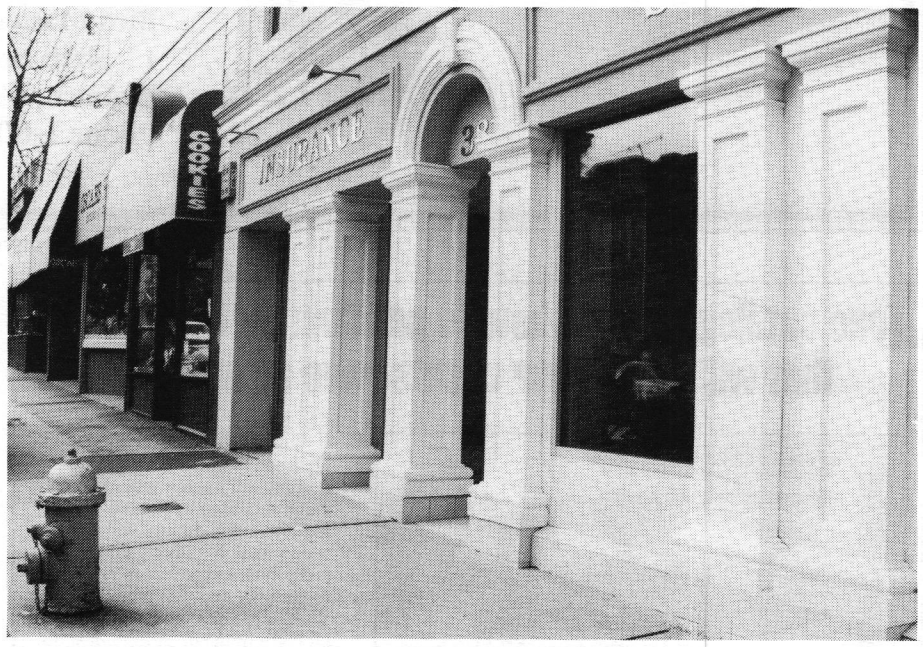
These cedar shutters by VIXEN HILL are made with teak pegs and mortise-&-tenon construction, and are available in a number of louver and panel designs. *Write in No. 123*



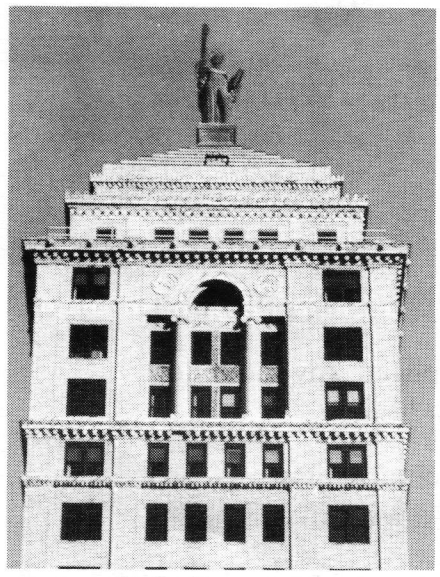
A sample of ornate turnings from MOHAMED WOOD TURNING CO., INC.



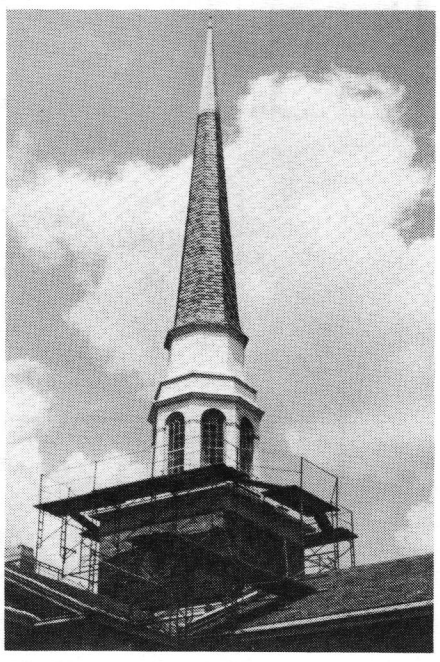
This circle-top storm window on the 4th and Plum Building, Cincinnati, OH, is a Historic-One-Lite product from ALLIED WINDOW, INC. The designs have been certified by the National Park Service for use on historic renovation projects.



SEAL REINFORCED FIBERGLASS INC. custom made the fiberglass arch and pilasters for the refurbishing of this storefront. *Write in No. 462*



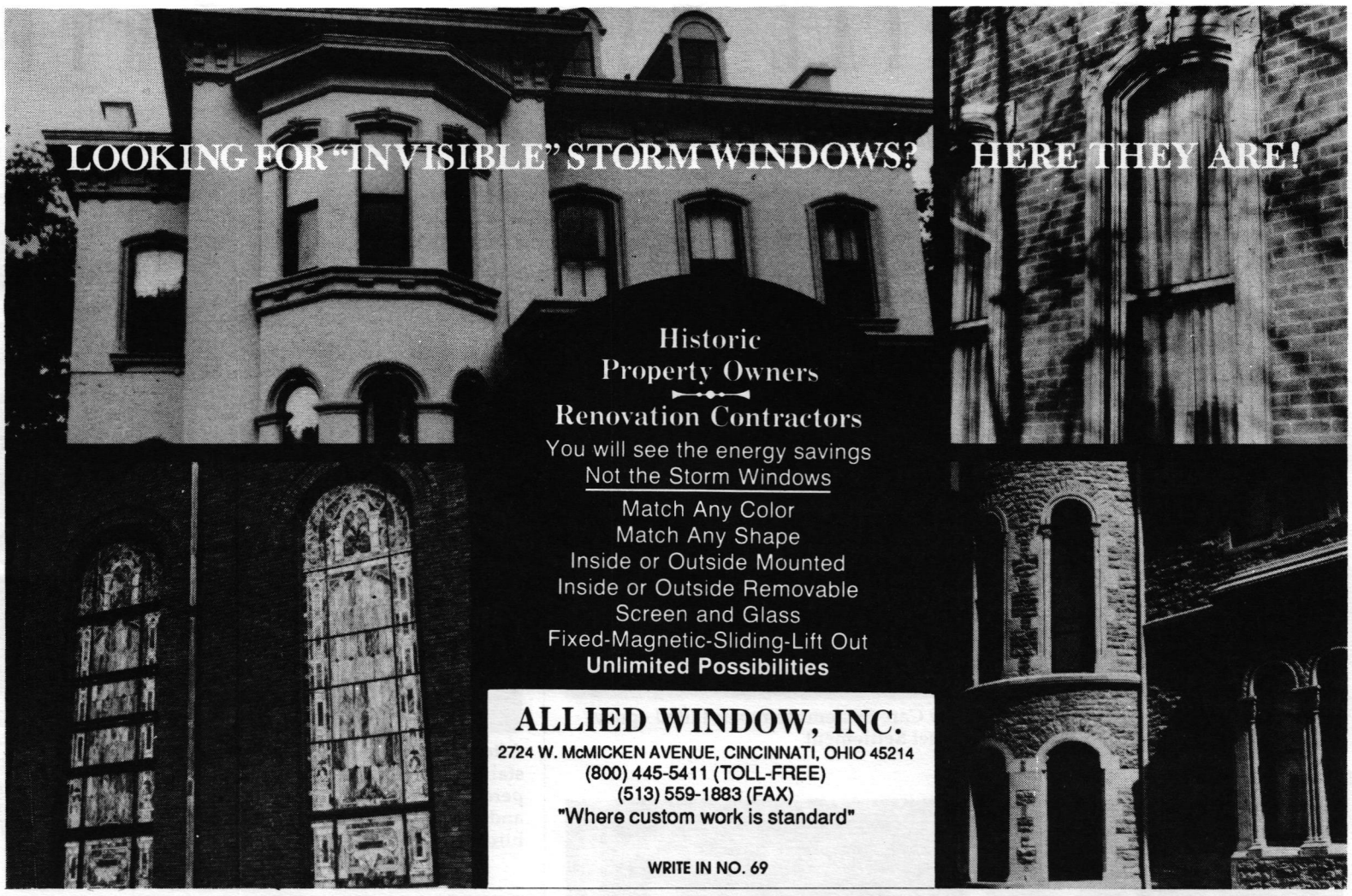
BOSTON VALLEY TERRA COTTA produced the polychrome terra cotta replacement on the Liberty Towers restoration. The building is located on Main and Court, Buffalo, NY. *Write in No. 16*



The First Church of Christ Scientist, Montclair, NJ, receiving restoration to its steeple from ROGERS ROOFING CO., INC. *Write in No. 746*

The Peachtree Presbyterian Day Care Center, Atlanta, GA, features classically correct columns by HARTMANN SANDERS CO.

ECOPIC CORP.'s bird deterrent system is inconspicuously at work on this window pediment in Paris, France. *Write in No. 233*



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WRITE IN NO. 69

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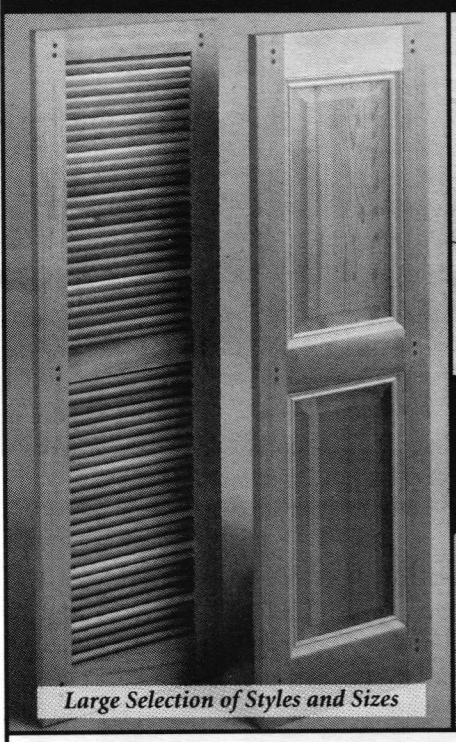

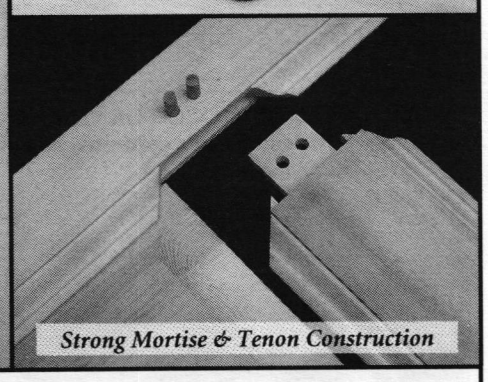

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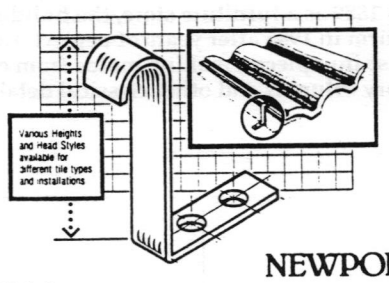

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WRITE IN NO. 391

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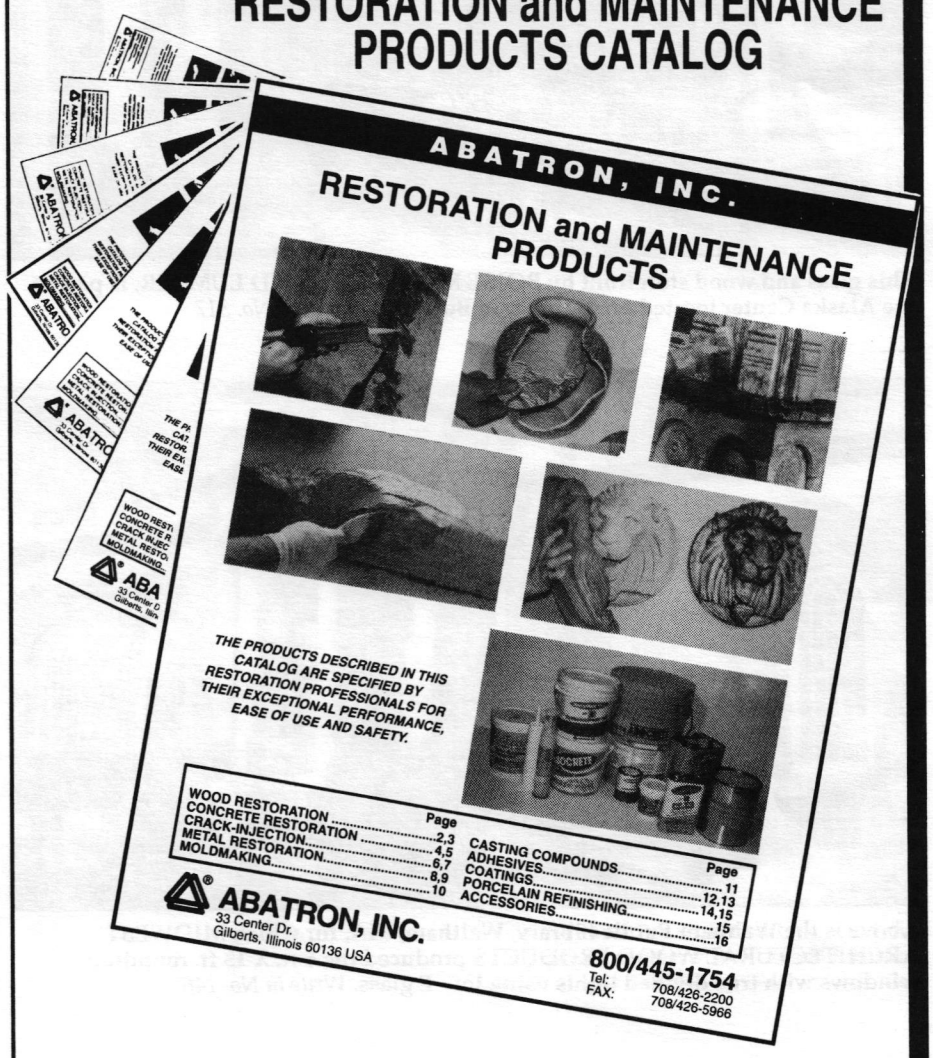

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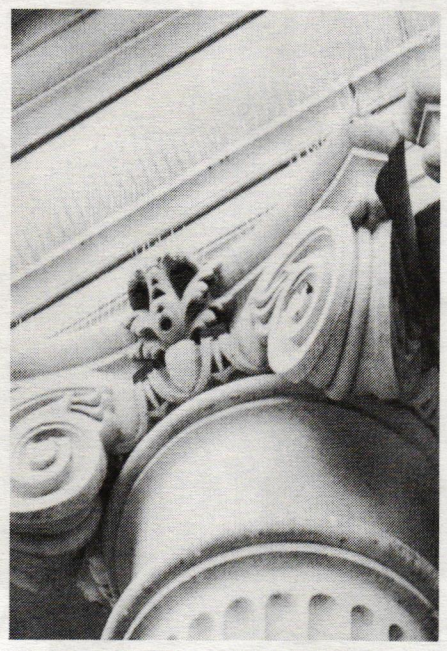
WRITE IN NO. 130

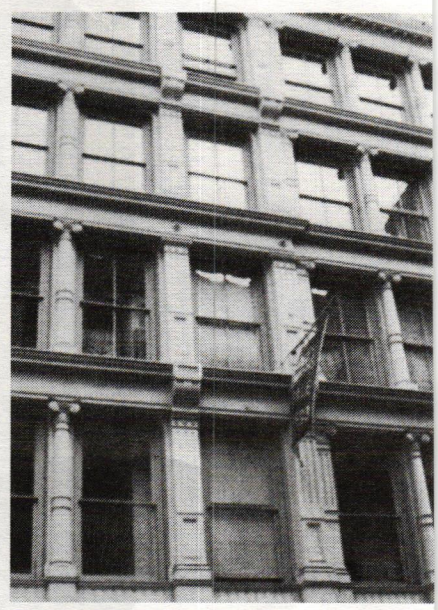
COMMERCIAL FACADES PORTFOLIO

For more information on these companies, consult the SourceList on pp. 70-74.

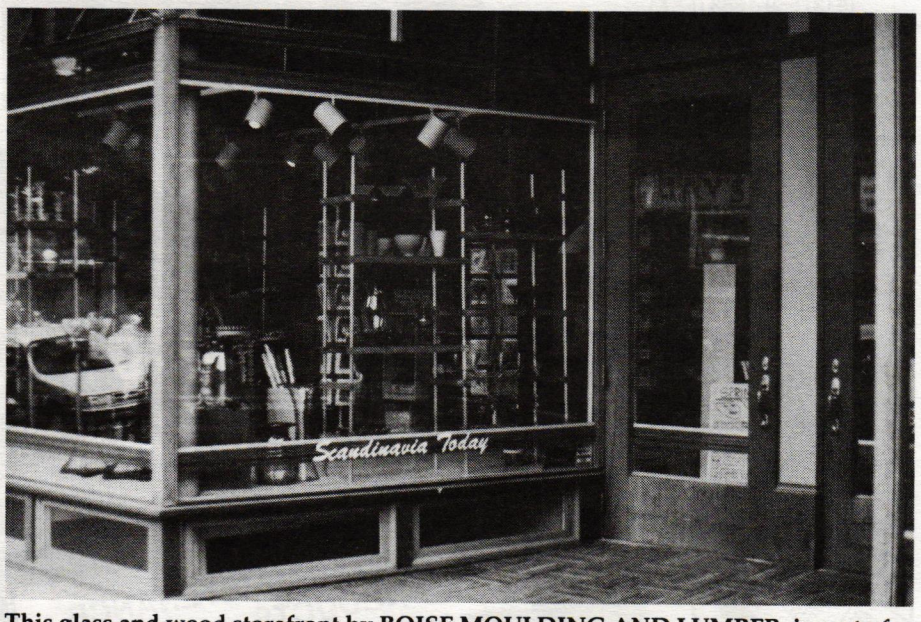
STAHL RESTORATIONS used the Window Care Systems to repair failed epoxy repairs on the windows of NYC's Henry Street Settlement.



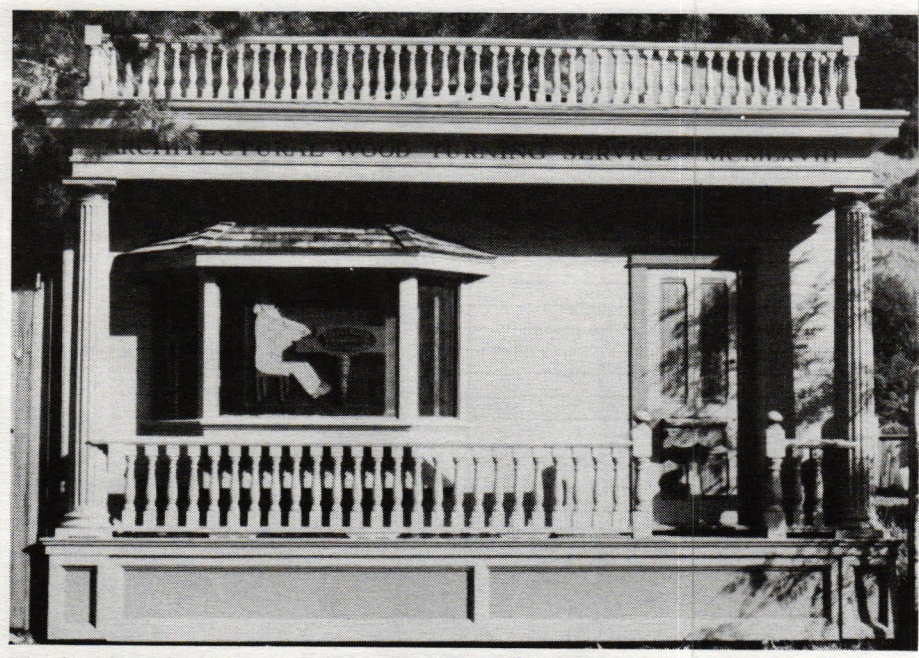
After installation of NIXALITE, a stainless steel needle strip, prime perching spots like the tops of capitals and architraves no longer attract pesky birds. *Write in No. 37*



THE WOODSTONE CO. replaced all the weight-and-pulley, double-hung wood windows with true divided insulated glass in this landmark cast-iron building in NYC's Soho section. *Write in No. 986*



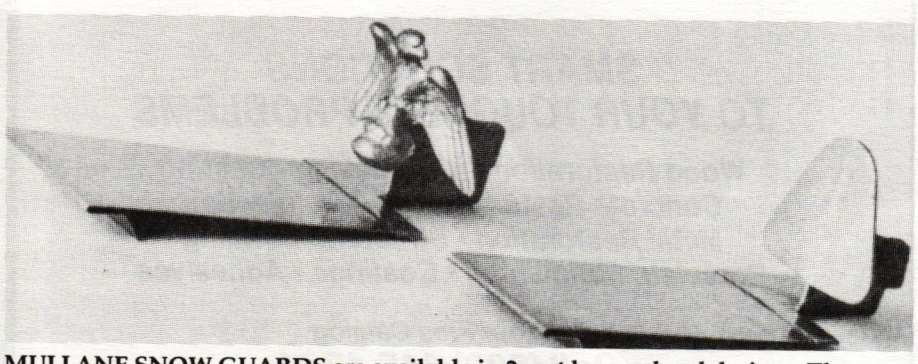
This glass and wood storefront by BOISE MOULDING AND LUMBER, is part of the Alaska Center located on Main St. in Boise, ID. *Write in No. 317*



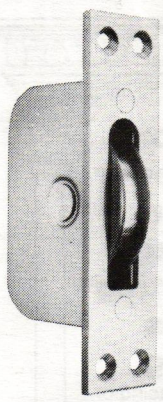
The facade of PAGLIACCO TURNING AND MILLING's showroom offers a sampling of the company's columns, newels, and balusters. *Write in No. 707*

Above is the Waltham Public Library, Waltham, MA, for which MIDWEST ARCHITECTURAL WOOD PRODUCTS produced the 6 ft. X 13 ft. roundtop windows with true divided lights using low-E glass. *Write in No. 146*

The Zinszer Building, shown above, is a cast-iron landmark located in Birmingham, Al. Built in 1889 as a furniture store, the building was converted to office space for a law firm in 1985 after years of neglect. ROBINSON IRON replicated the missing cast-iron pieces, making molds from existing parts to produce the new first-story columns and other classical detailing. *Write in No. 324*



MULLANE SNOW GUARDS are available in 2 cast bronze head designs: The Standard (shown on the right) is a reproduction of an 1899 design, or a full eagle figure. *Write in No. 56*



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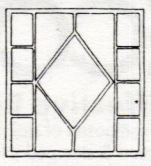

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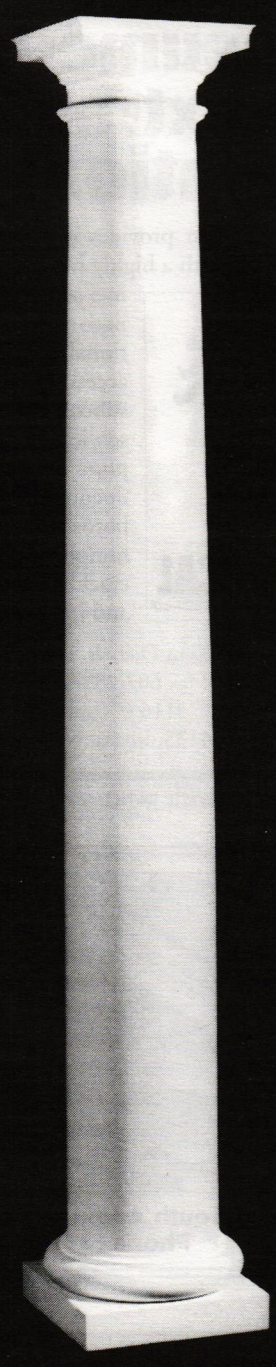

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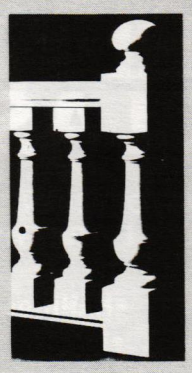

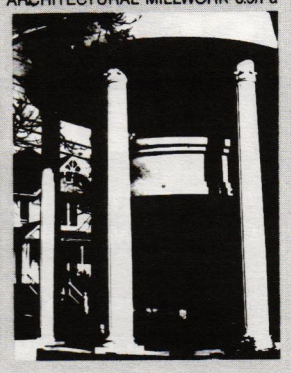

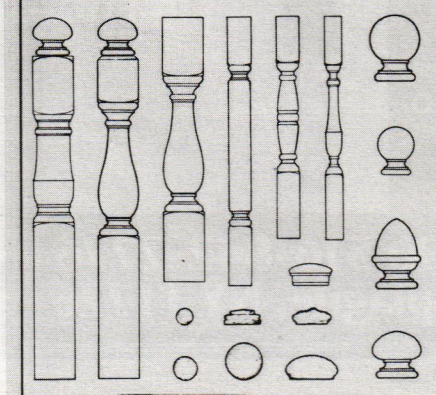

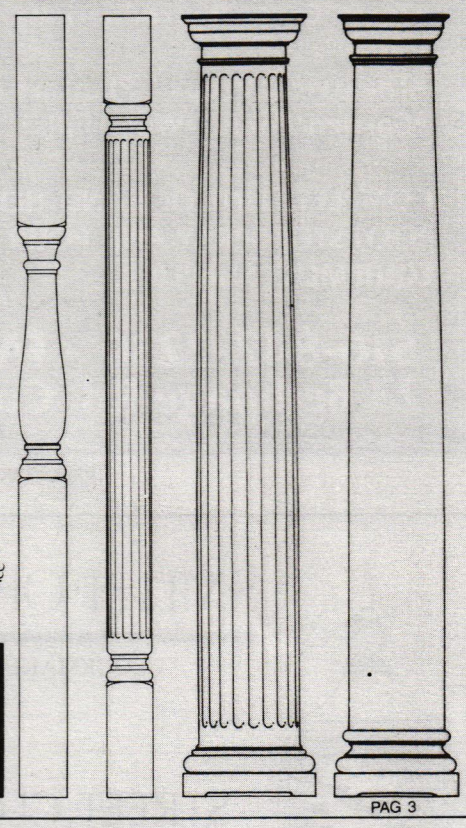

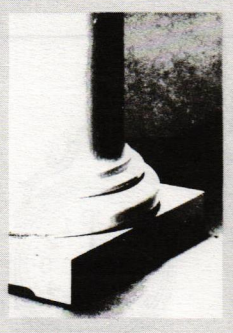

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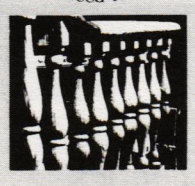

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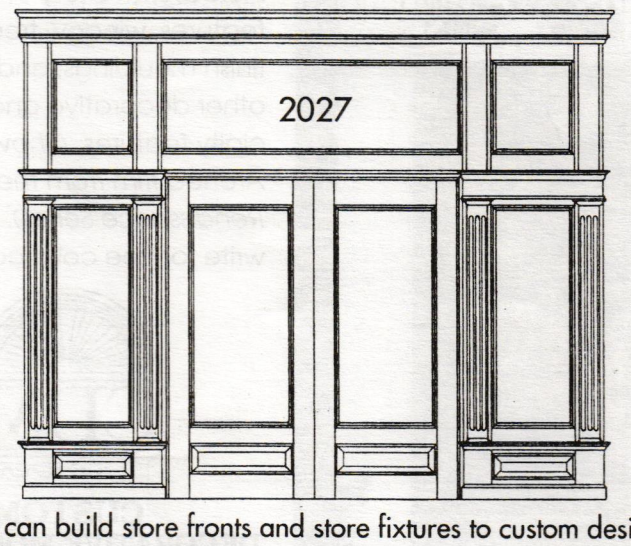

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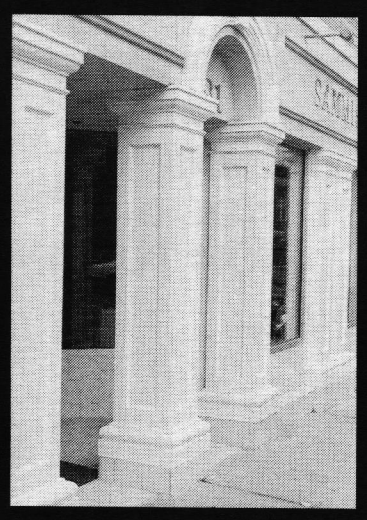

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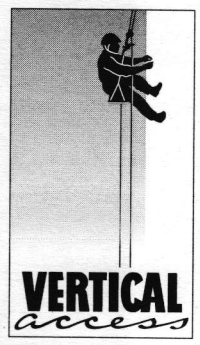

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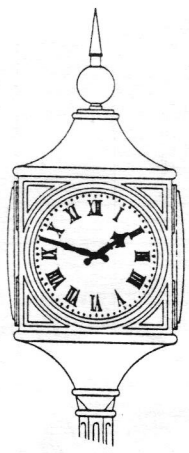

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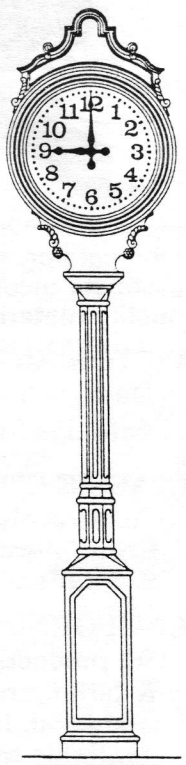

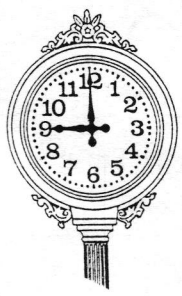

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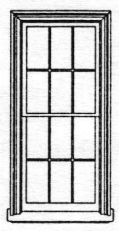

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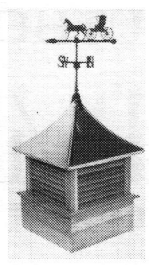

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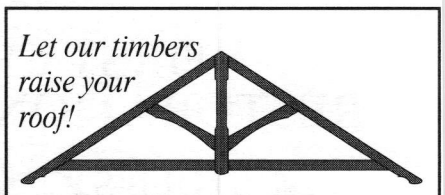

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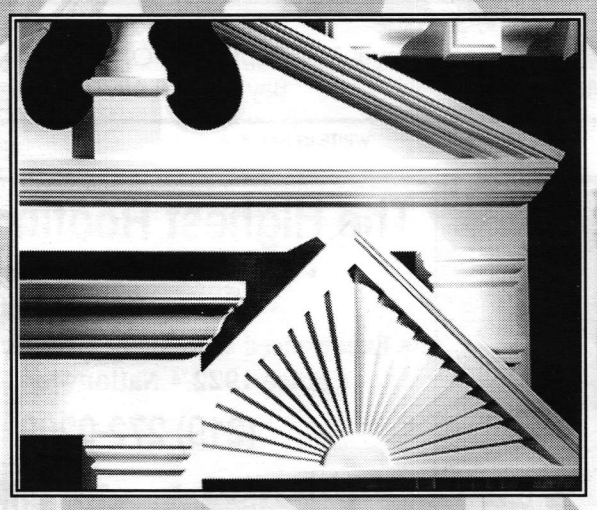

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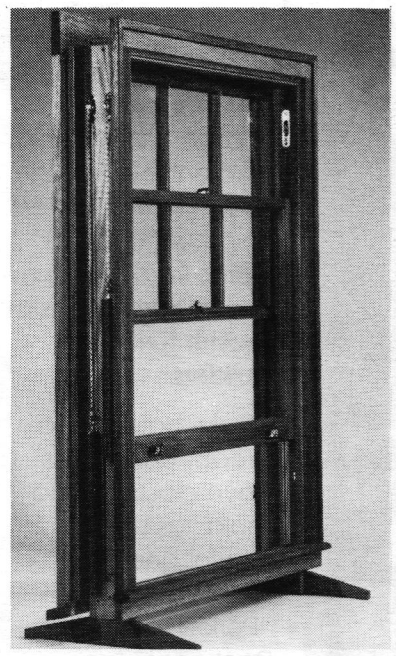

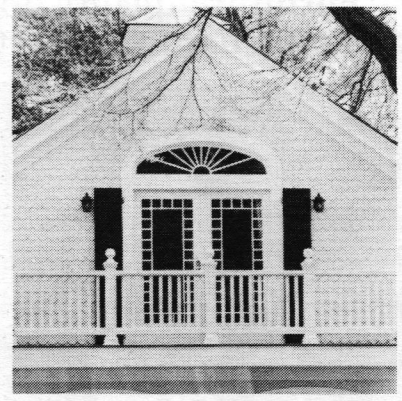

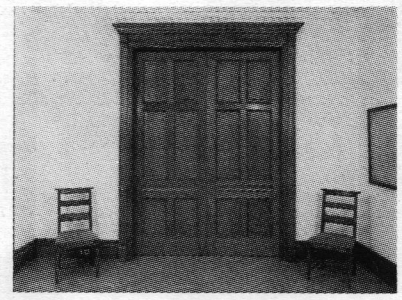

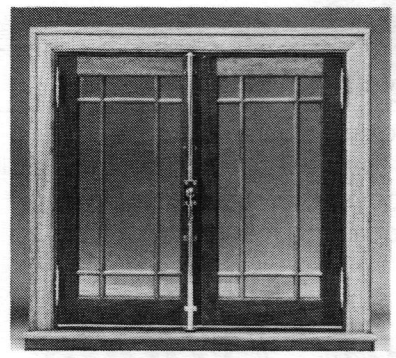

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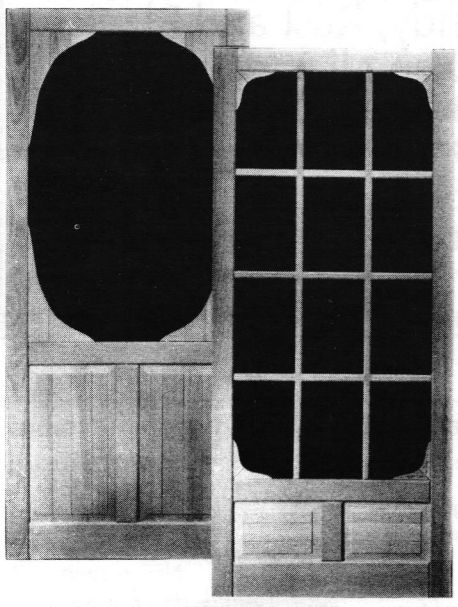

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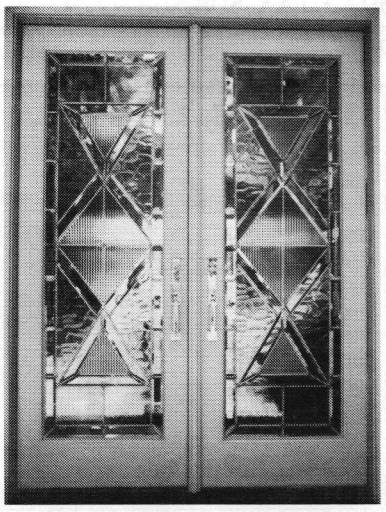

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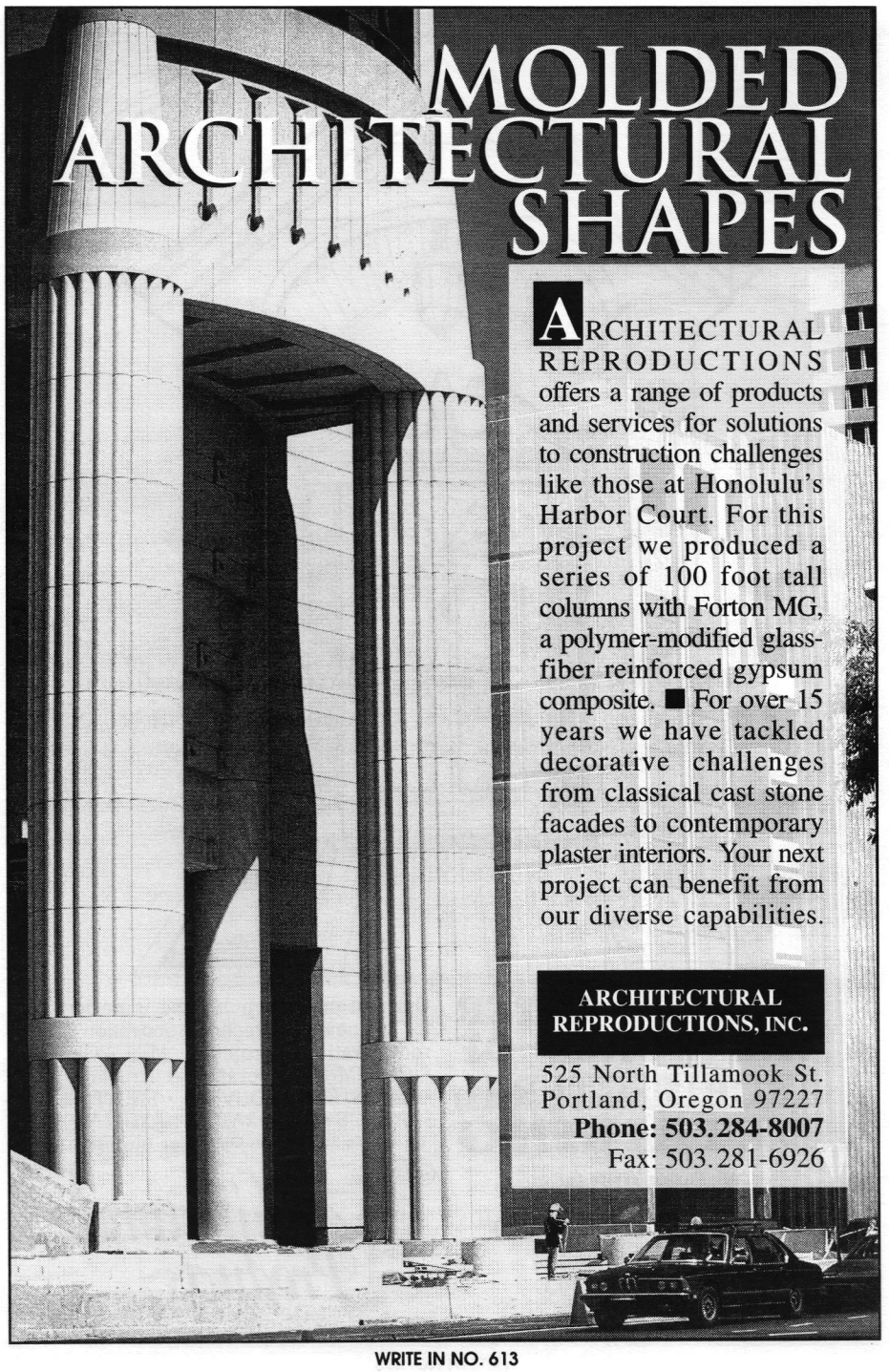

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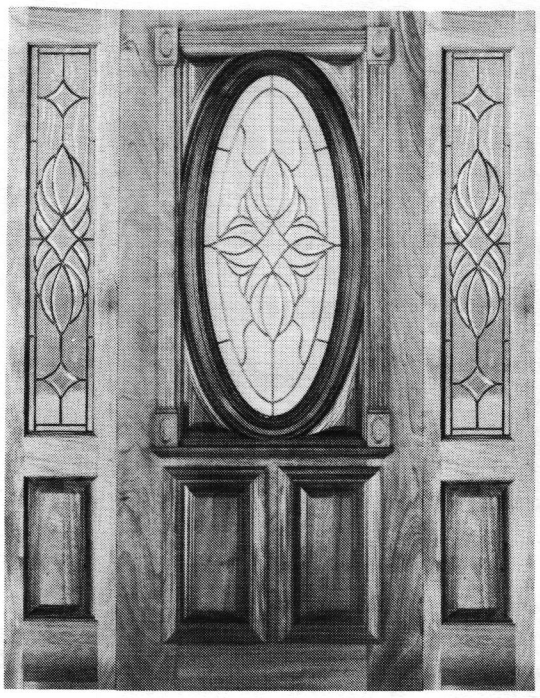

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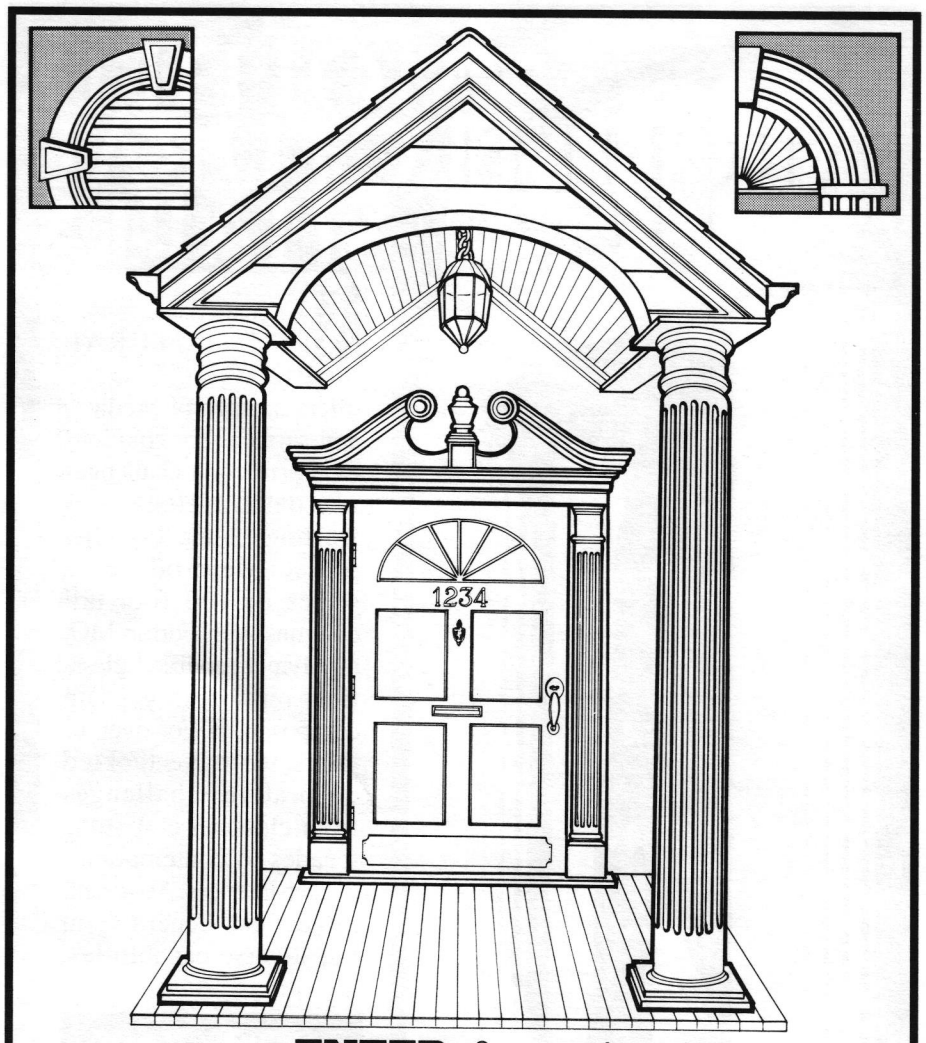

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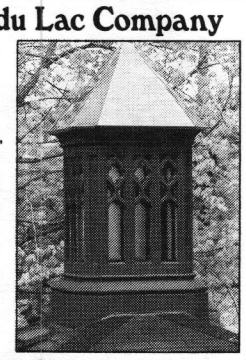

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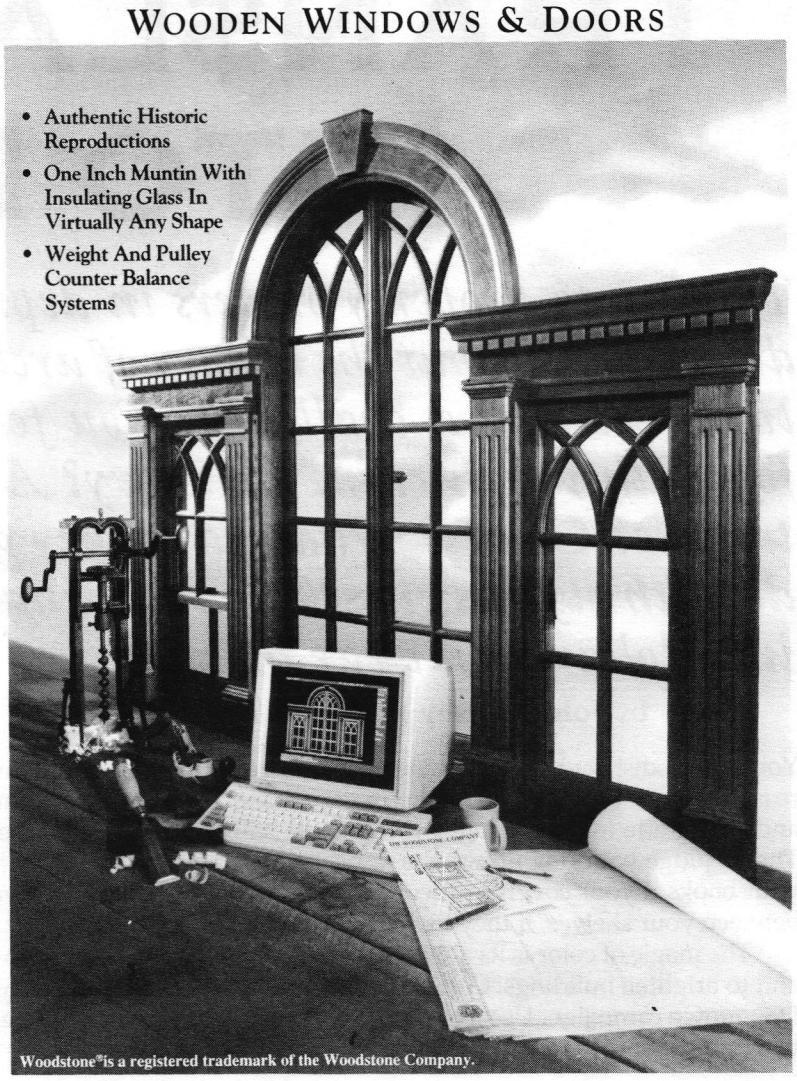

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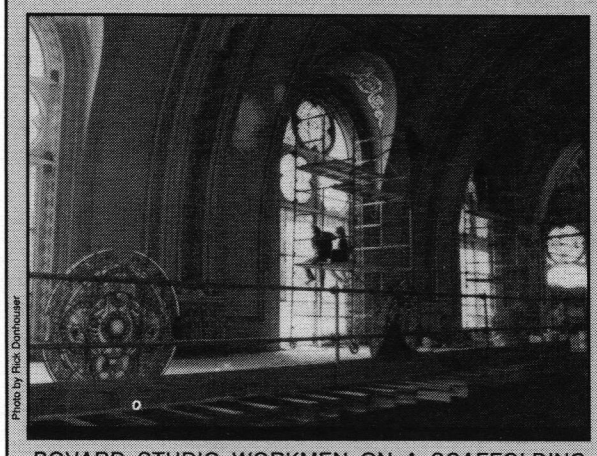

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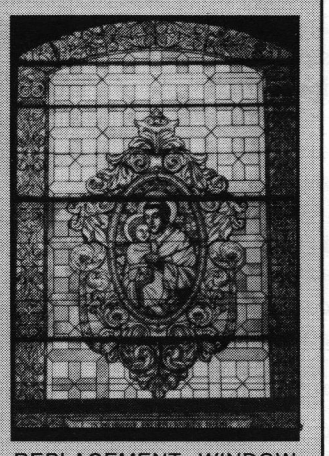
BOVARD STUDIO WORKMEN ON A SCAFFOLDING DECK 50-FEET HIGH, RESTORING STAINED GLASS AT ST. MARY OF THE ANGELS IN CHICAGO, THE NEW U.S. HEADQUARTERS FOR OPUS DEI.



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WRITE IN NO. 288

TRAN$LATING COLOR INTO DOLLAR$

Talking to property owners in depressed downtowns about the history of architectural colors is a challenge. You feel the fog of their cynicism. ***"History? Architecture? Colors? What have they got to do with my business?"*** *Translating color into dollars can clear the air.*

by John Crosby Freeman, *The Color Doctor*

You can't redistribute peoples' incomes into your tills unless you give them a reason to park their cars and shop in your stores. Despite what your mothers and first-grade teachers taught you, people still judge books by their covers. They'll judge your downtown the same way. You can't make them browse in your books if your covers are scuffed, torn, dirty, and dull. They won't stroll between your shelves, if they look disheveled and dangerous.

The magic of color is its ability to cleanse, to repair, to protect, to organize, and to brighten buildings. Color is *curb appeal.* It's a silver bullet for your Shop Downtown campaign. Use it to win drive-by shoot-outs with shoppers. Amortize the cost of color over the five to ten years of its effectiveness.

Color is the cheapest one-shot investment in advertising and publicity any downtown can make.

The pride that you, as individuals, take in your independence as downtown business persons will not survive into the next millennium unless you, as groups, work together to revitalize downtown. The most dramatic low-budget demonstration of your willpower to work together is a color campaign focused on contiguous buildings.

Five fingers of architecture working together in a fist multiplies the negotiating power of each owner. Big contracts attract big contractors. The efficiency and reliability of their expertise and equipment will save you money. You also save big dollars on the cost of scaffolding: Erect it once, pay for it once. Then it's moved from one facade to the next.

A devitalized downtown is a collection of neglected flower beds, and you are its gardeners. Only you can make your gardens of commerce bloom again and bring back shoppers to buzz through your stores.

That's the *why* of translating architectural color into dollars. The *how* part is more complicated, but here are seven lamps to guide you.

FIRST, *clean what you've got.* Beautiful colors of brick, stone, glazed terra cotta, and decorated tiles sleep like fairy-tale princesses under layers of neglect and urban pollution waiting to be awakened by a gentle, revitalizing kiss. Never forget the second commandment** of architectural preservation: "Thou shalt not water-blast or sandblast old brick, stone, terra-cotta, or tiles." Original colors and textures of brick, stone terra cotta, and tiles are only skin deep. Don't blast them into oblivion. Money can't bring them back.

SECOND, *hire preservation professionals for cleansing and repair.* They reverence the colors and surfaces of original building materials. They know the best, gentle methods of washing, chemical stripping, scraping, and brushing.

THIRD, *repair surfaces or joints with appropriate materials of top quality.* Avoid any substance or procedure that destroys the integrity of brick, stone, terra cotta, or tiles. The most infamous example is using hard Portland cement mortar to re-point old soft brick.

FOURTH, *repair and maintain the building's system of water conduction.* Money spent on cleansing and repair of surfaces and joints is wasted if nothing is done to control water penetration — the leading cause of surface and structural degradation.

FIFTH, *integrate your signage and its colors with your architecture.* Your biggest and best advertisement is your architecture. Make your signage and its colors work with it, not against it. Appropriate architectural areas for signage are windows and doors, as well as awnings properly scaled and positioned over them. Blank side walls are legitimate areas for signage in an old-fashioned billboard style. Festive banners stretched or festooned across architectural features are appropriate, if they are temporary, but permanent signboards in the same location are a slap in the facade.

SIXTH, *pick your paint colors from an architecture-based system of color.* Avoid the oddity of Painted Lady colors. Colors that imitate traditional building materials are more sensational than those that don't, because they make more sense. Let the natural colors of brick, stone, terra cotta, and tiles be your guide.

SEVENTH, *place your architectural paint colors architecturally.* Make paint colors the servant of your architecture, never its master. Once again, avoid the oddity of Painted Lady placements in erroneous zones, oblivious to the architectural logic of your building. Dramatize the architectural interplay of load, thrust, solid, void, projection, recess, rhythm, balance, scale, proportion, structure, and ornament with architectural placements of architectural colors. You'll have a color play that shoppers will be glad to see again and again — because it's joyous without joking, glorious without gaudiness, delightful without delirium.

Traditional Building Paint Colors

During the late 19th and early 20th centuries, when most surviving downtowns were built, it was much easier to select traditional building paint colors than it is today. Back then, ready-mixed exterior colors numbered less than a hundred. Today's custom-color selectors display hundreds and thousands of colors and rarely differentiate exterior colors from interior colors. Back then, exterior colors had names that identified the traditional building materials they emulated. For example, *Bronze Green* was first used as an architectural color name in the 1880's. Today's color names are murky *noms de marketing.* Yesterday's *Bronze Green* is today's *Dark Forest.*

The legacy of Victorian and Edwardian architectural color names is preserved in an obscure 1899 Sherwin-Williams booklet, *Shades and Tints: Names or Numbers?* It's a color name index to 38 exterior colors. Thirty-four of the colors are indexed to traditional building materials. Two of the other four are *Dark Lavender* and *Sky Blue* — traditional porch ceiling colors. The remaining two are *Rich Maroon* and *Moss Green* — traditional colors for doors, sash, and storefronts. Figures in parentheses indicate the number of different colors to which each color name was indexed.

Stone Colors

Stone (4), Stone Drab (3), Brown Stone (3), Gray Stone (6), Green Stone (8), Yellow Stone (4), Buff Stone, Blue Stone, Sandstone (3), Light Stone (5), Medium Stone (2), Dark Stone (3), Pale Stone, Warm Stone

Slate Colors

Slate Green, Slate Brown, Drab Slate, Light Green Slate, Dark Slate

Terra Cotta Colors

Light Terra Cotta (2), Medium Terra Cotta (2), Dark Terra Cotta (2), Deep Terra Cotta

Bronze and Lead Colors

Bronze Green, Bronze Yellow, Light Bronze Green, Antique Bronze Green, Blue Lead, Light Lead

Two pale orange yellows were identified as Milwaukee Brick. Single colors were named Brick Red, Light Oak, Metallic Brown, Window Blind Green, and Front Door Green.

"The [Mesker] Galvanized Iron Front you put up for me about 28 years ago [in 1863] is good today as ever . . . it has been painted and sanded, which gives it the appearance of richly cut and carved stonework."

There was a direct correlation between the prevalence of stone colors in the exterior color selectors of Late Victorian and Edwardian ready-mixed paint companies and the prevalence of cast-iron and sheet-metal storefronts in thousands of commercial districts built from the 1860's through the 1920's. These metal-front villas, mansions, and palaces of commerce were "painted and sanded" in stone colors to give them "the appearance of richly cut and carved stonework," because their style almost always emulated the stone masonry of Neo-Classical or Gothic Revival architecture.

Stone colors were "downtown"; remember that when you revitalize old downtown with fresh paint colors. When it comes to painting historic downtown buildings, imitation is still the sincerest form of flattery. ■

***The first commandment is "Honor thine architectural fathers and mothers by saving them from the wrecking ball."*

John Crosby Freeman recently developed historic exterior and interior color cards for the Valspar Corporation's "Southern Heritage Historic Colors of the Old South," which are available exclusively in Lowe's Home Centers. His selection of 140 colors was based on the American tradition of architectural colors and features many stone colors, as well as color emulations of brick, terra cotta, stucco, hardwoods, and metals. Send $1 (S&H) to receive color cards to: John Crosby Freeman, 1601 Sheridan, Norristown, PA 19403 or call for more information (610) 539-3010.

OKLAHOMA MAIN STREET

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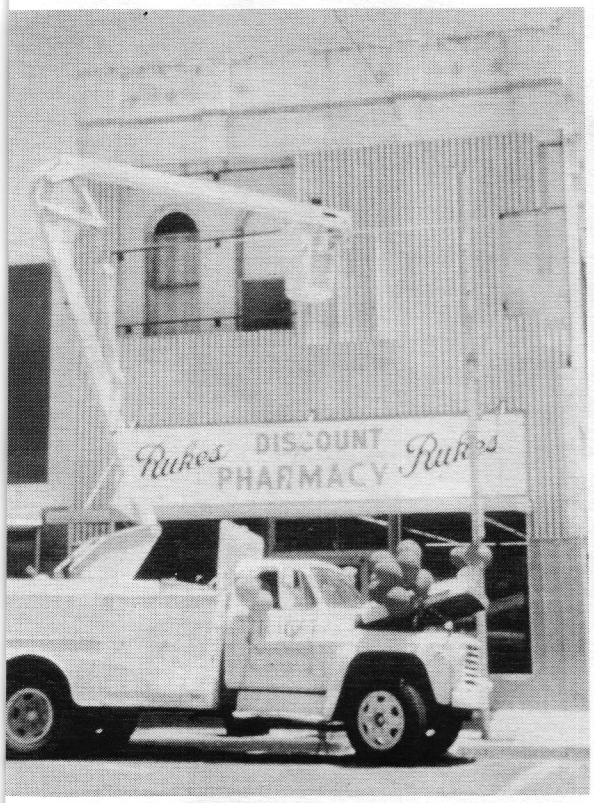
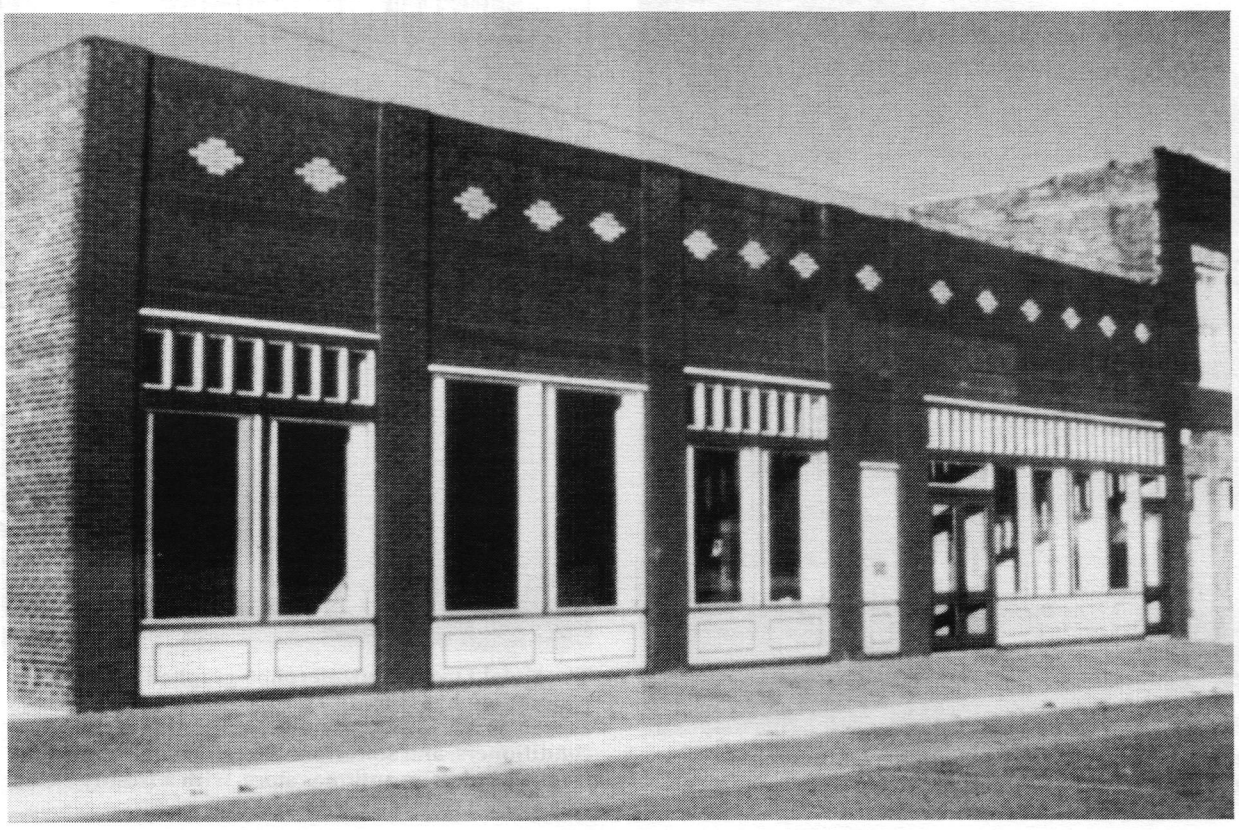


A corrugated-metal mansard, canopy, and stucco-panel walls once concealed the storefronts and corner entry of the Babcock Building, in El Reno. The storefronts have gone from two-thirds empty to fully rented and the owners now plan to restore the upper floors.

An Art Moderne shoe store in Ponca City has become an upscale Italian restaurant, with dining terraces at the rear and the second floor converted into three private dining rooms.



A 1920's automobile showroom in Anadarko *(top photo)* **has been transformed into a public library (***above)* **and community center (architect: Don Beck), complete with Native American brick patterns in the new sidewalk. Inside, original arched trusses have been left exposed, while the mechanics' pit has been turned into a reading nook.**

ignWorks (the only program of its kind in the country, a collaboration with the Oklahoma State Arts Council and the Oklahoma Foundation for Architecture). A series of on-site workshops for towns not requiring or ready for full Main Street treatment, DesignWorks "identifies needs and sets goals" for improving "all the things that affect the image a town projects." One powerful teaching tool: A video in which an industrialist chooses a site for his business based on the quality of a town's built environment. "It gets to people who think design is just frilly," Clinard explains.

Gathering Momentum

Oklahoma towns tend to contain similar architecture, much of it eclectic and not architect-designed. "A mad rush of people from all parts of the country settled the territory very quickly," Frantz points out. Main Street towns range in size and character, however, from struggling oil-boom centers like Okmulgee, which has lost two-thirds of its peak populations of 35,000 . . . to rural villages like Hooker, where 1,500 people support no less than seven churches . . . to urban slaughterhouse districts like Stockyards City. Clinard, who has a degree in historic preservation (and who once imported yachts for a living), focuses on the more urban towns and the communities furthest advanced in the Main Street program. Melody Kellogg, an MBA, handles the medium-size communities. Les Hall, a former auto-parts store owner and Main Street manager, works with the small towns (only a third of the nation's Main Street programs have designated small-town coordinators). Main street managers' previous jobs include banker, landscape architect, journalist, kindergarten teacher, football player, and gospel singer.

So far, just four towns have dropped out of the program, as civic or business leadership changed or infighting arose. Clinard explains, "This process is essentially about people — how you motivate them to change and feel good about it. It's not a science; we've had some failures. You never know what went on behind the scenes. There are also towns that muddle along in the program, just meeting the basic requirements. And some towns have the right people and the right attitude; they're *ready*. And they get going right away." The goal, in every case, is a new market niche or an old market niche rejuvenated.

Stockyards City, for instance, is capitalizing on its existing supply of western-wear hatmakers and bootmakers. "It's authentic, the real thing," says

continued on next page

OKLAHOMA MAIN STREET

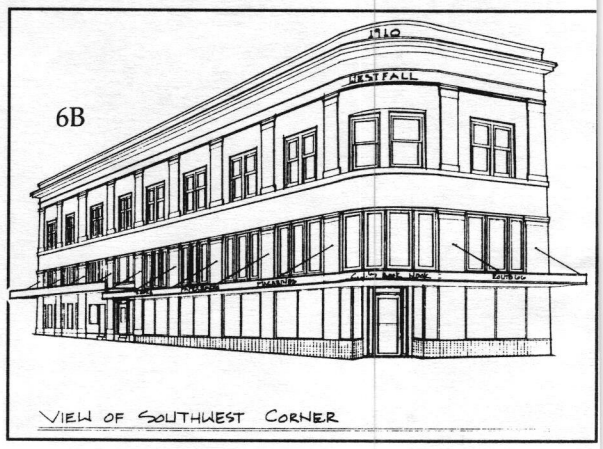
continued from previous page

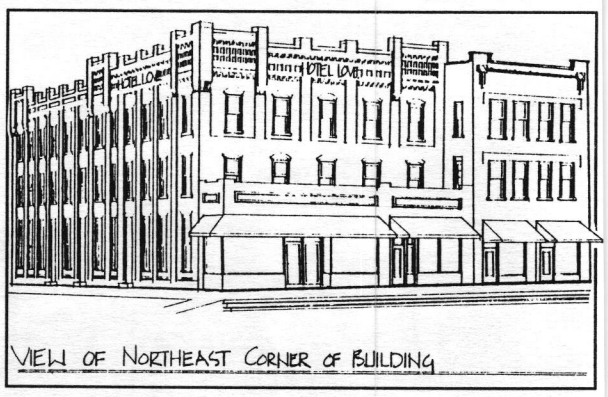
Clinard. Two years into Main Street membership, 48 Stockyards buildings have been renovated, 40 jobs created, $600,000 invested. In Okmulgee, Native American history is paying off; a handsome c.1876 headquarters for the Creek Indians is being restored at a cost of $1.7 million and all the once-vacant buildings on the nearby main square are full. The midsize town of El Reno has begun staging a burger festival each May, serving the world's largest patty (nine feet in diameter) on a bun delivered by tractor-trailer. Then there's Newkirk, which is promoting its Richardsonian Romanesque buildings carved from locally-quarried limestone; clean-cut Hooker, where T-shirts read "Not your typical hooker"; and aggressive Checotah, with its 400-member "Club 21": You join by giving Main Street money in any multiple of 21, starting at 21 cents.

Not that the Main Street Program will ever minister to every town in Oklahoma. "Some towns, frankly, are just destined to die, there's nothing anyone can do," says Frantz. "And some towns are doing fine or doing great on their own, like Guthrie." (Built up at the turn of the century, while vying to become the state's capital, its two-square-mile core now ranks as the National Register's largest urban historic district.) Frantz goes on: "And some towns aren't quite ready for us yet. But they're getting there." ■

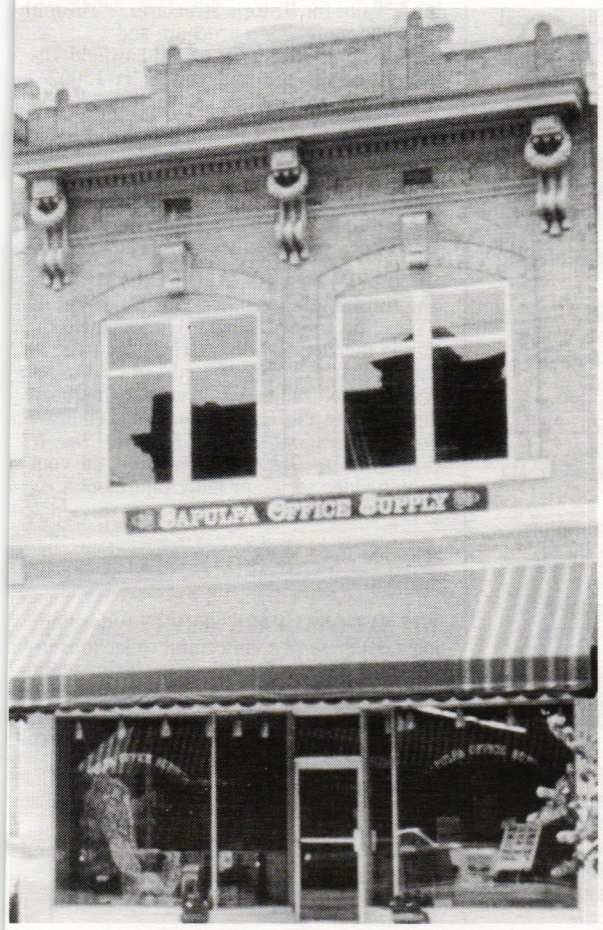
The 1910 Westfall Building in Sapulpa, on a street that is also a segment of Route 66, was renovated in the 1940's *(right & below right)*. **Its restored incarnation** *(above)* **has attracted 100% storefront occupancy; second-floor office construction is currently in progress.**

Relatively undamaged under a coat of aluminum, a Bayrouth's department store in Sapulpa (at center of photos) is still occupied by its original owner, while a former J.C. Penny building at far right has become an antiques mall.





The Hotel Love in Purcell (photographed in mid-restoration) has since lost a coat of green paint as well as mis-sized windows, protruding air conditioners, and storefront alterations. The building is now used as an antiques store, with a freshly exposed tin ceiling.



Removal of concrete blocks from the second-floor windows and storefront restoration at Sapulpa Office Supply, on Route 66, cost about $5,000.

Some 150 citizens of El Reno gathered to cheer at an "un-aluminizing party" as corrugated aluminum was peeled from this facade.

The owner of Key Rexall Drug, in Okmulgee, had worked there for 28 years before he purchased the structure in 1990 and removed its aluminum mask *(top photo)*. Windows were intact underneath, but the cornice and nameplate had to be recreated based on old photographs *(bottom photo)*.

Division 17 - Classifieds

Traditional Building Classifieds

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Wanted

THE NATIONAL PARK SERVICE is developing a database of architectural collections in the United States. A preliminary listing identifies nearly 200 collections. But we know there are likely to be many more! Please let us know if you have information on other collections by contacting Ms. Emogene Bevitt, Preservation Assistance Division, National Park Service, P.O. Box 37127, Washington, D.C. 20013, (202) 343-9561. Note: A special issue of CRM, (Vol. 16, No. 8) on architectural study collections is available from Ms. Bevitt.■

Division 18 - Book Reviews

Livable Urban Environments

High-rise public housing and the bulldozer approach to urban renewal originated in the theories of urban designers of the 1930's and 40's. Now that these concepts have been thoroughly discredited, the Editors felt it would be a useful exercise in connection with this special issue on Restoring Main Street to see what today's urban theorists are advocating. (To our relief, most of the new books seem willing to recognize the wealth of wisdom, experience, and knowledge accumulated within the classical and traditionalist approaches to the urban environment.) Here's a sampling of some recent volumes on urban design:

■ ***Garden Cities 21: Creating a Livable Urban Environment,*** John Ormsbee Simonds. McGraw-Hill, 231 pp. Hardcover, $42.

A micro to macro look at how cities work, with examples and techniques for improving their efficiency and livability. It thoughtfully builds on Sir Ebenezer Howard's *Garden Cities of Tomorrow*, published nearly a hundred years ago. Simonds' solutions call for the connection of centers of activity and the creation of "greenways" and "blueways" that control development patterns and provide rejuvenating buffers or "breathing room" between condensed, productive urban centers. *To order this book call 1-800-MCGRAW*

■ ***New Practice in Urban Design,*** Architectural Design Profile No. 105, from the proceedings of a symposium organized in collaboration with the Prince of Wales's Institute of Architecture. 96 pp. Paperback, Academy Group/St. Martin's Press. $24.95.

The participants in this symposium, "Classical Solutions for New Developments," held in December 1992, are leaders in today's advocacy for traditionalist approaches to city and urban planning. Transcripts of a lively forum made up of the four main project presenters — Demetri Porphyrios, Andres Duany, Leon Krier, and Chris Sattler — and a host of theorists, critics, practitioners, and patrons, are followed by beautifully illustrated project presentations. *To order this volume, call the Customer Service Dept. at St. Martin's Press: 1-800-288-2131.*

■ ***Designing America: Creating Urban Identity,*** Joel B. Goldsteen and Cecil D. Elliott. Van Nostrand Reinhold. 319 pp. Paperback, $39.95.

The authors of this urban-design sourcebook believe that "the design of urban places can follow many paths to success, that style and fashion are of much less importance than the spirit with which a spatial project is conceived and constructed." Case studies of metropolitan, village, and rural sites are discussed; historical, cultural, and behavioral examples examined; and design, development, and financing issues are addressed — all with an emphasis on discovering the identity of a community and effecting strategies that promote and enhance the character of a place. *To order, call Van Nostrand Customer Service at 800-842-3636.*

■ ***Urban Design: The American Experience,*** Jon Lang. Van Nostrand Reinhold. 509 pp. Hardcover, $59.95.

This planning reference guide examines design movements, schemes, and the philosophical underpinnings of urban design in this country. It advocates a user-oriented approach — from communal decision-making to the implementation of practices, which create inspired and functional environments.

The book, while striving to present a comprehensive view of urban design in the United States, presents no exhaustive coverage of the subject, but rather develops a framework for asking questions about what it aspires to do and its obligations to individuals and society. *To order, call Van Nostrand Customer Service at 800-842-3636.*

■ ***Visions for a New American Dream: Principles, Processes, and an Ordinance to Plan and Design Small Communities,*** Anton Clarence Nelessen. A. Nelessen Associates. 406 pp. Paperback, $40.

This book is concerned with the creation and retrofitting of small communities that exist within larger ones, as a means of avoiding or reversing the misfortune of insensitive suburban sprawl. The highways that were once Main Street, and the greenbelts that buffered towns, now house strip malls, which have devastated communities. Nelessen presents practical solutions to this state of affairs with a step-by-step planning process; historical analysis of problems and case studies; small-community design principles; and chapters covering code writing and the approval process. *To order this book send $40 plus $4 shipping to: Visions of a New American Dream, A. Nelessen Assoc., 134 Nassau St., Princeton, NJ 08542. Make checks payable to A. Nelessen Assoc.*

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715. Creating The Classical Residence — Two-day weekend workshop provides today's designers with many of the insights needed for creating residences in the classical tradition. Free flyer. **Institute for the Study of Classical Architecture**

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

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340. Outdoor Lighting & Ornaments — Manufactures & distributes street, garden & post lights, as well as mailboxes, planters & urns. Free brochure. **Brandon Industries**

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339. Custom Site Furnishings — Classically designed benches in wood and metal; ash urns, planters, bollards & waste receptacles. Free brochure. **CSI Custom Structures**

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533. Red Cedar Gazebo Kits — In several sizes and styles. Comes with pre-assembled roof sections and top and bottom panels. Full assembly in less than 2 hours. Free brochure. **Gazebo Woodcrafters**

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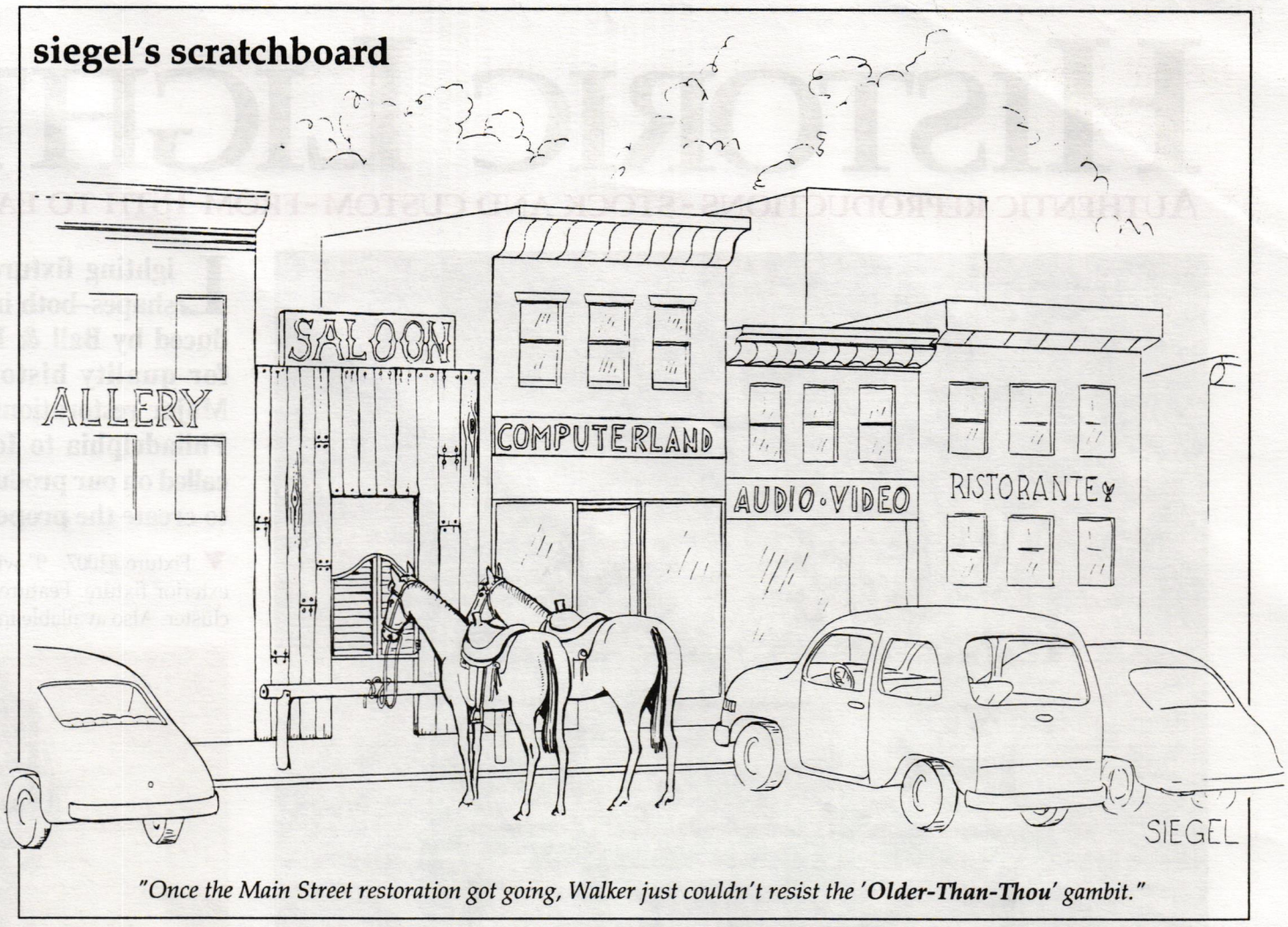

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