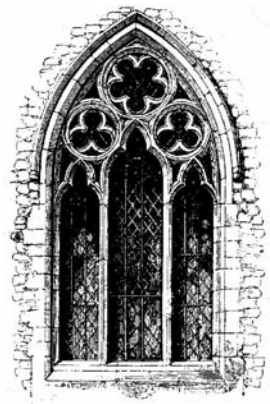


# The Rockpile

## OLD WORLD STONE LTD.

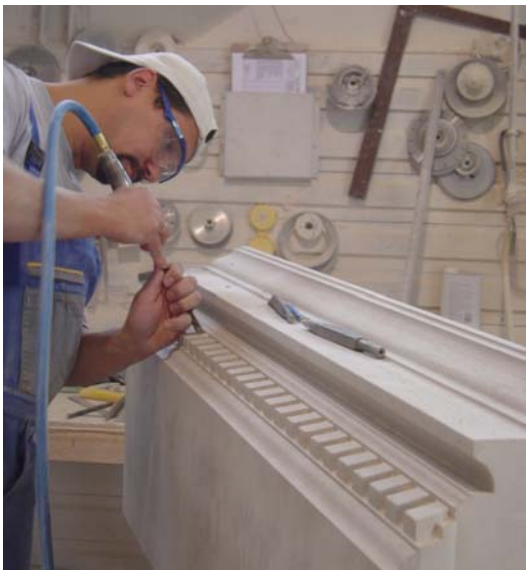
Fabricators of Dimensional Cut Stone

04400/OLD

Fall 2006

## Coach House Restoration Buffalo, NY

Buffalo was booming in the late 1920's when this executive home and coach house were constructed. Phase One of the restoration project includes complete replacement of the coach house copings, parapets and cornices. The original pre-cast concrete material has failed. Moisture penetrated the porous material and caused corrosion and expansion of the internal reinforcing steel. The resulting cracks and fissures accelerated the process of decay and now crumbling concrete poses a potential fall hazard. Old World Stone completed extensive field measurements prior to preparation of detailed shop drawings and templates for the classical detailing. Production is well underway using Indiana buff limestone. US Heritage of Chicago are the masonry consultants.



## Private Residence, Oakville, Ontario

Cordova limestone from Texas was chosen for interior carved stone details at this custom-built residence. The stone is relatively soft and lends itself easily to carving intricate and flowing detail. Small fossils and inclusions add a special naturalistic appearance and texture to the stone. Our sculptors work from photographs, sketches, or fragments of an original piece. Bring us your ideas.

## Inside this issue:



### Upcoming Trade Shows & Conventions

Construct Canada Trade Show
Metro Convention Centre,
Toronto , ON
Nov 29 -Dec 1, 2006

Building Stone Institute (BSI) Convention
Captiva Island, FL
Feb. 9—12, 2007

Sealant Waterproofing & Restoration Institute (SWRI) Winter Technical Meeting
Maui, Hawaii
Feb 25-28 2007

Traditional Building Exhibition & Conference - Boston, MA
Mar. 7-10, 2007



# In the Works: Facelift for a Chicago Brownstone

The entire stone façade of this 4 level residence was patched within the last 10 years. The new owners discovered problems of patch delamination and spalling and decided to proceed with the permanent solution of stone replacement. Several options were explored and St. Bees sandstone from Cumbria, England was found to be the most suitable match to the original, in terms of color and texture, and much higher in quality .

Fellow Building Stone Institute member Gatewood Design Works, Medina, OH, assisted with comprehensive field dimensioning, profile templates and as-built measured drawings. Local specialty contractor Central Building & Preservation, Chicago, IL, have stripped the entire stone façade to expose the brick masonry back-up. Further dimensioning has been confirmed and shop drawings and cut-sheets are in the works. Basement level rock faced ashlar will be supplied before the end of the year. The remainder of the façade will be delivered in the spring and early summer of 2007.

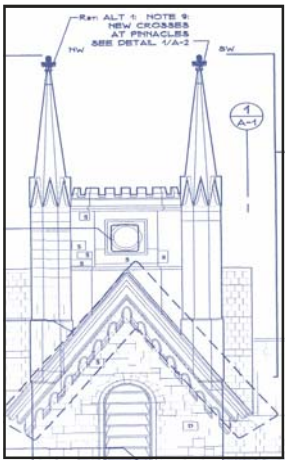
Of special interest on this project are the previously patched column capitals and sculpted window lintels, which have to be replaced.

# Tools of the Trade - Alkali Staining

*DID YOU KNOW?*

*Gargoyles are elaborate water spouts designed to project rainwater away from the walls and foundations of a building. Medieval gargoyles had troughs on their topsides rather than drain pipes within them, because drilling equipment did not exist.*

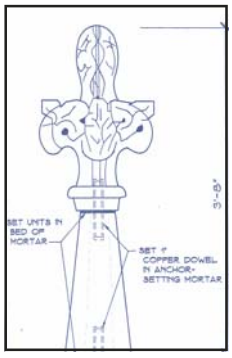
Alkali staining is characterized by a brownish-gray or rusty color. Such stains usually occur during or shortly after construction. It is caused by water moving through the assembly and picking up mineral salts and depositing them at the surface of the stone as the water evaporates. Potassium and sodium compounds, which are naturally found in cements, dissolve in water and can leave stains. Unfinished walls or unglazed window openings during construction are likely sources of water infiltration which can lead to staining. The source of the water entry to the building must be resolved first. The stain will disappear on its own in a relatively short time when exposed to natural weathering. Darker stains may take longer. Situations which require more immediate removal can be addressed using dilute trisodium phosphate scrubbed on the surface, followed by low pressure water rinsing. Interior stains can be removed with poultices. For more authoritative information contact the Indiana Limestone Institute of America.



# Lafayette Avenue Presbyterian Church, NY

Lafayette Avenue Presbyterian is a dynamic multi-racial, multi-cultural church nestled in the center of Brooklyn's historic Fort Greene neighborhood. The contract to restore the exterior brownstone has recently been awarded to fellow SWR Institute member Seaboard Weatherproofing of Port Chester, NY. Old World Stone will supply all of the replacement stone and provide stone consulting services for this complex restoration project. St. Bees red sandstone has been selected as the closest match for the original stone. Field dimensions and profiles will be taken as soon as the access scaffold is erected on the spires. The stone will be fabricated over the coming winter months and installation will begin early in 2007.

**Dwgs. by Walter Sedovic Architects**



# Plant News - The Lathe

Interesting detail may be added to any project with the addition of turned elements such as balusters, columns, finials, urns or spheres. The designer's profile is transferred to a zinc plate, the hydraulic tracing arm of the computerized lathe follows the profile exactly. A spinning block of stone, mounted in front of a rotating, water-cooled saw blade is transformed into a decorative accent piece. With this system it is possible to produce multiple copies of the exact shape cost effectively. To see and hear this lathe in action, take a virtual tour of the plant on our website at www.oldworldstone.com

Columns measuring up to 7'-6" in length and 20" in diameter can be turned in one piece with this equipment. Larger drums can be cut on our newest saw, the Lexta.

Call today for a custom project quote.

***SAMPLE BOARDS***

*We have prepared boards with a selection of "cookie" sized samples. These are great for matching existing stone on buildings or for selecting stone on new construction projects. We are always happy to provide larger samples with specified finishes to help designers and owners make the final decision. Just ask and we will send you a sample board.*

# Ask a Designer - Precast Concrete vs. Natural Stone

Precast concrete became popular in the North American construction industry in the early 1920's. It quickly replaced natural stone on many construction sites. Molds were used to form identical units which made precast concrete units faster to produce than individually carved natural stone units. Precasting saved on both production time and the expense of skilled stone cutting and sculpting labor.

Precast incorporates steel reinforcing, which is susceptible to corrosion. The porous concrete absorbs moisture. In cold climates, cycles of freeze and thaw cause cracking, which allows additional moisture into the assembly and accelerates the rate of decay. Differential expansion and contraction between the steel and the concrete also causes cracking and spalling.

In today's marketplace precast concrete can be less expensive than natural stone when identical units are produced. One-of-a-kind units can be more costly, however, than natural stone because a model, then a mold must be produced before the first unit is cast.

At Old World Stone computerized systems of stone cutting greatly reduce the time and cost of production and the savings are passed on to the buyer. Dimensional tolerances in stone are also much smaller, and there are no issues of mold distortion as commonly occurs in precast.

In the long run, stone is the most cost effective, long-term material.

Buffalo coach house original precast.

***FYI***

***Rock faced ashlar refers to stone which has been split or pitched with a broad chisel and hammer to achieve a rough natural looking face on the block of stone.***

**WHO'S WHO**

**President:**
R. John Bridges
**General Manager:**
Keith Deeley
**Estimating & Design**
David Watters
**Sales & Promotion:**
J Ross Bridges
**Rockpile Editor**
Laurie Wells

## The Tradition Continues...


HEAD OFFICE & PLANT
OLD WORLD STONE LTD.
1151 Heritage Road
Burlington, ON L7L 4Y1
Canada

US OFFICE
OLD WORLD STONE LTD.
36 Bloomer Road
Ridgefield, CT 06877
USA

Phone: 905- 332-5547
Toll Free: 1-800-281-9615
Fax: 905-319-2477
Email: info@oldworldstone.com
www.oldworldstone.com


### Proud members of the following organizations:

Partners for Sacred Places

Indiana Limestone Institute

## CONTACT US
## fax 905-319-2477 or www.info@oldworldstone.com

To find out more about the content of this newsletter or about our company please fill out the form below and fax back to us. We will promptly respond to your request . Thank you for your interest.

☐ I have a question about stone for new construction ☐ I have a question about stone for a restoration project

☐ Send me a Free Brochure ☐ I prefer to receive The Rockpile newsletter via e-mail

☐ Send a free copy of this newsletter to a friend ☐ Please remove my name from further mailings

Details of my inquiry_____

_____

_____

Name and Title _____

Company _____

Address _____

City _____ State/Prov. _____ Zip/Postal Code_____

Phone _____ e-mail _____