MOHEGAN
GRANITE
of
WARM-BUFF TONE

"Never out of date – a fashion that does not change with whim or fancy or a breath from Paris"

GRANITE

GRENCI & ELLIS
INCORPORATED
501 FIFTH AVENUE
NEW YORK, N. Y.

STATELY GRAYS
of
MT. WALDO
GRANITE

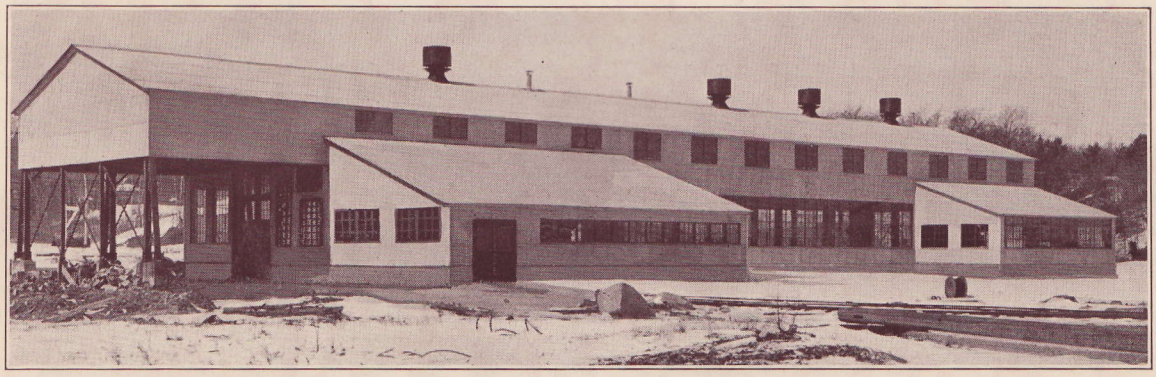
Carved Panel — State Office Building, New York City

GRANITE

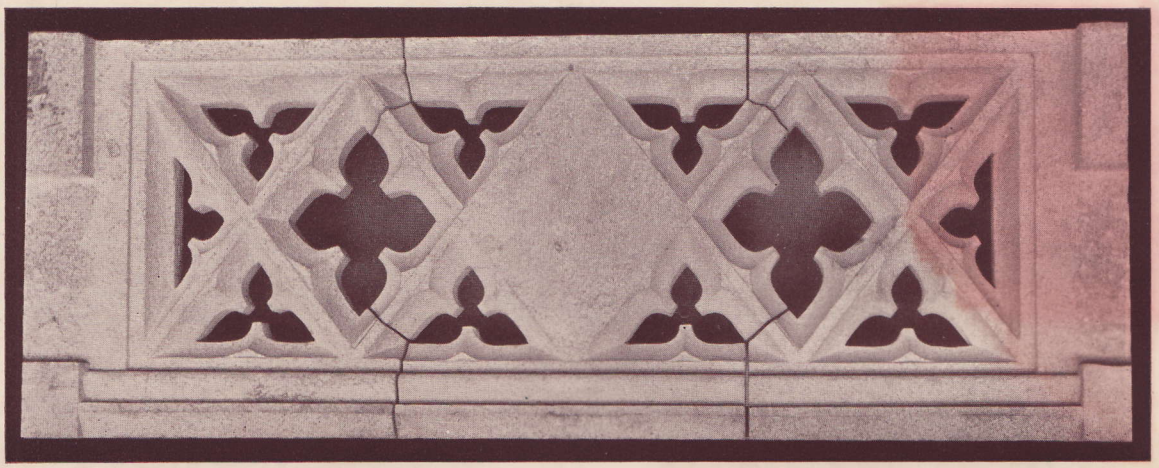
Stone cutting is one of the oldest arts. It is one of the most recent to feel the influence of the machine age. Romance is not lacking in modern operations. The real significance of Granite achievement today lies more, however, in the sphere of realism.

Buildings that are built with an eye to remunerative investment must combine a substantiality and attractiveness that breed admiration and faith. They must be built to last without the necessity of frequent repair and renovation.

It is the purpose of the subsequent pages to show that Granite, with its tremendous strides in plant equipment, carving facilities and craftsmanship, and management ingenuity accomplishes these things!



Cutting Shed No. 1 — Mt. Waldo Quarries, Frankfort, Maine



Carved Balustrade — Nave of Cathedral of St. John the Divine

MOHEGAN GRANITE

Mohegan Granite is a finely textured building stone. The general color is golden, ranging from a faint, delicate buff to deep golden russet. It admirably fits the purposes of the designer who desires to create for his structure an atmosphere of warmth and mellowness.

Mohegan Granite answers all the requirements of a strong and enduring building material as has been proven by exhaustive laboratory tests and analyses. Compression tests made on a bed of steel with an Olsen machine show that it has an ultimate strength (lbs. per sq. in.) of over 20,000. Its percentage of absorption ranges from 0.37 to 0.40. In the toughness test it averages 9.5. Its content of iron and sulphur in combination is slight and is therefore remarkably free from liability to stain on exposure.

Located at Peekskill, N. Y., the proximity of the Mohegan Granite Quarries to market and their exceptional trucking facilities greatly reduce both storage expense on any operation and incidental erection delays.

By virtue of its texture, Mohegan Granite is particularly adaptable for carving of the most intricate design.

MT. WALDO GRANITE

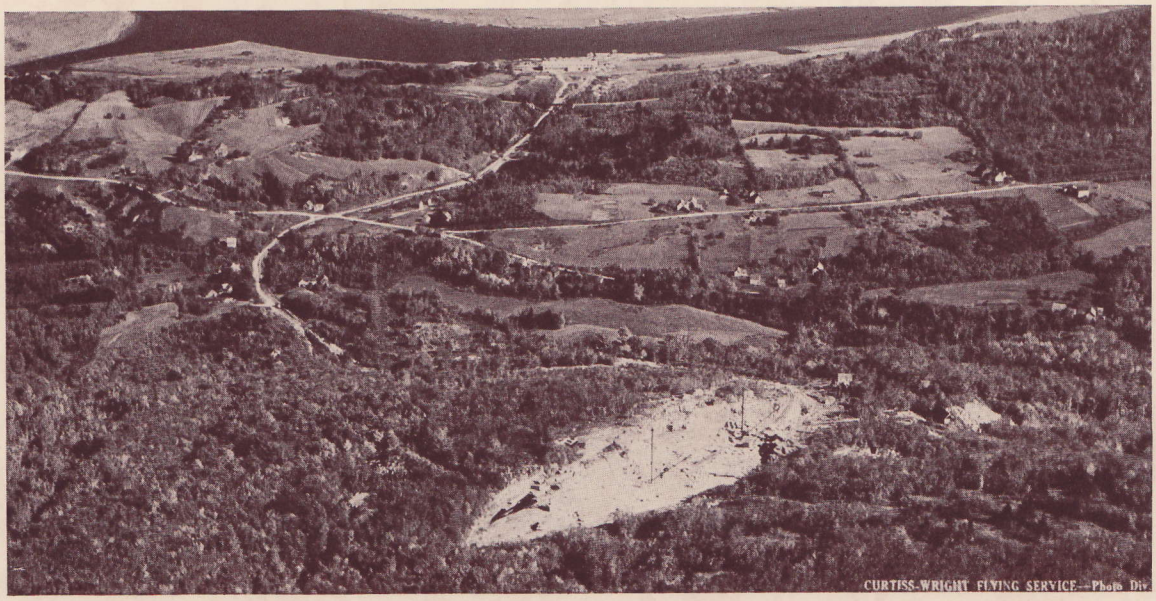
Mt. Waldo Granite is a Biotite Granite of medium gray shade. It is of fine-grained texture. Where the architectural design calls for a building of classic features and stateliness and dignity of appearance, this Granite meets every requirement.

It has been notably used in Government Buildings which have demanded a high degree of architectural endowment, and which have risen to monumental significance. Its uniformity of tone is exceptional.

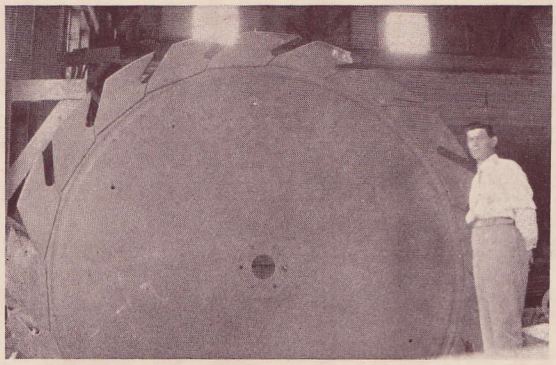
The Ultimate Strength (lbs. per sq. in.) of Mt. Waldo is over 29,000. The average percent absorption based on original dry weight is 0.151. Its toughness is 9.5 and percentage of wear 2.56.

The Mt. Waldo Quarries are situated upon the South Branch of the Penobscot River at Frankfort, Maine. Both rail and water transportation are available. The Mt. Waldo Quarries are operated as a subsidiary of Grenci & Ellis, Inc., owners of the Mohegan Granite Quarries. Both are under the same management and the same close application to details is given in each operation.

Like Mohegan Granite, the fine texture of Mt. Waldo Granite makes it admirably suited for the reproduction of the most delicate designs.



Aerial View — Mt. Waldo Granite Quarries, Showing Cutting Plant in Background



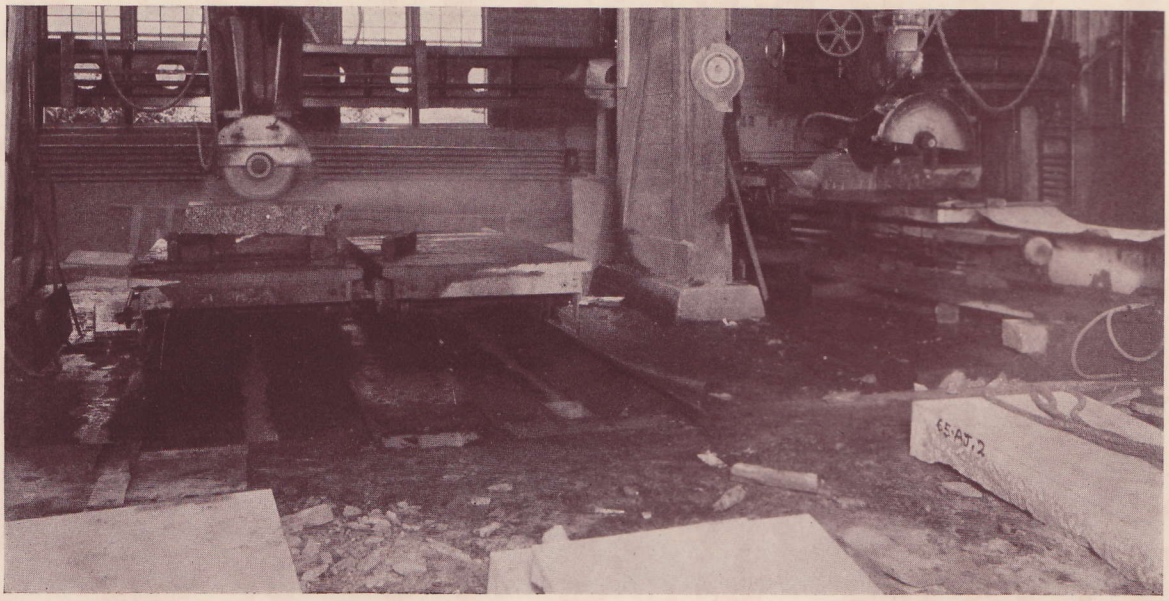
Twelve-foot Granite Cutting Saw Blade

Craftsmanship

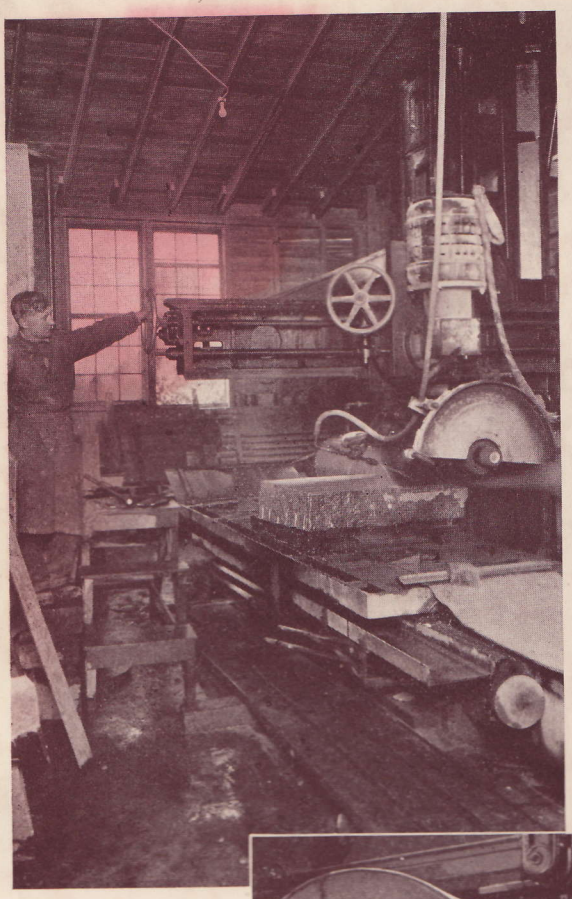
PLANT

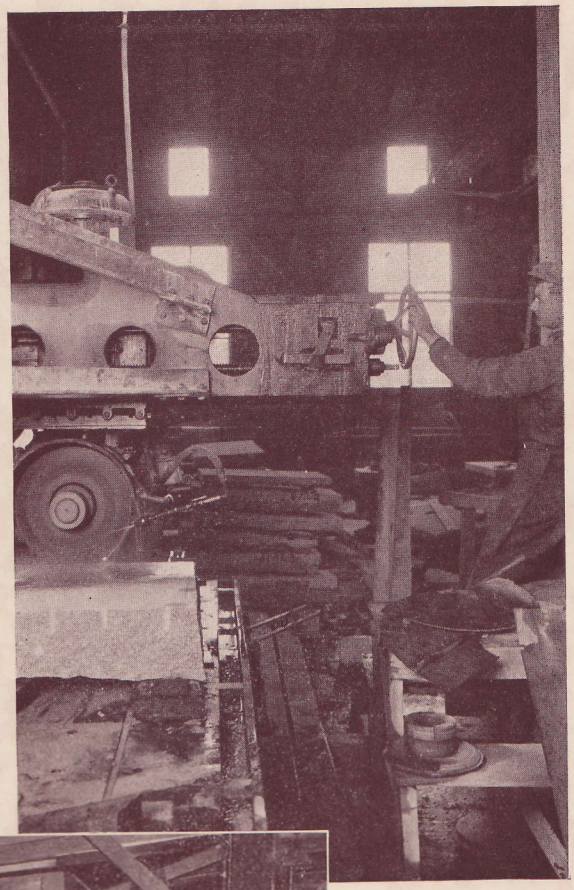
Craftsmanship in Granite of the earliest time has never been bettered, but methods have progressed consistently. Progress in cutting machinery, progress in polishing equipment and progress in every plant operation under ingenious management has made it possible for Granite to keep step with modern economies in building construction. The durability of Granite, its workability, the lack of need for repairs and maintenance in buildings of Granite, added to the economical production of Granite in a modern plant, make its use a matter of long-run economy. Building foresight looks at the year by year cost and not only the original stone cost.

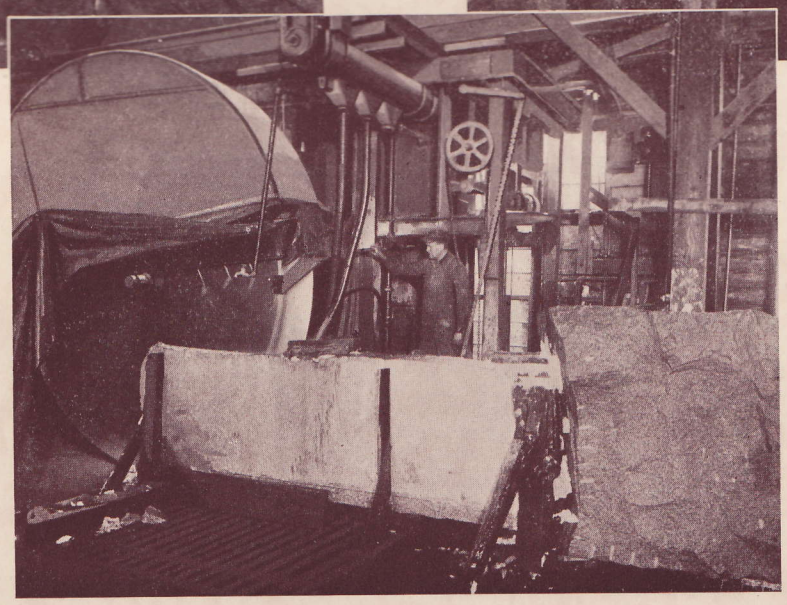
The following pictures of the Grenci & Ellis plant give a partial idea of what a modern Granite plant consists.



Finishing Moulds by Carborundum







Above —

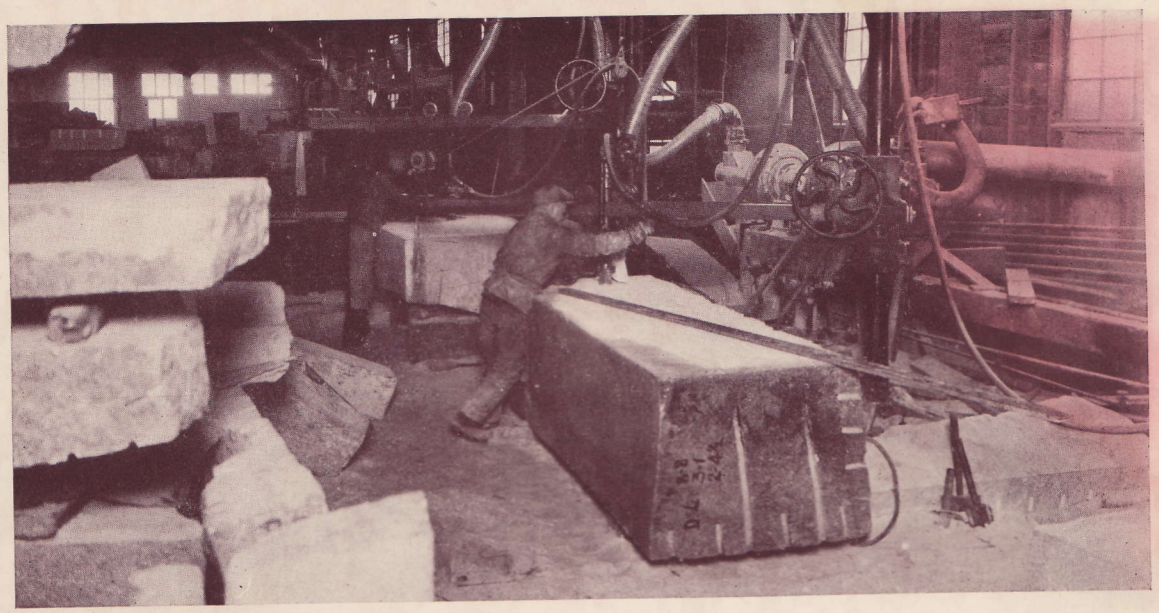
Carborundum Machines in Operation

To Left —

Rotary Stone Saw in Operation

In the Grenci & Ellis equipment are included two oil engine generators for the generation of power. In the compressed air production plant are two oil engine compressors and one electric compressor, the former of 1000 cu. ft. per minute capacity and the latter of 700 cu. ft.

The cutting machinery consists of two electrically driven gang saws, and two electrically driven rotary saws, with a combined capacity of 1500

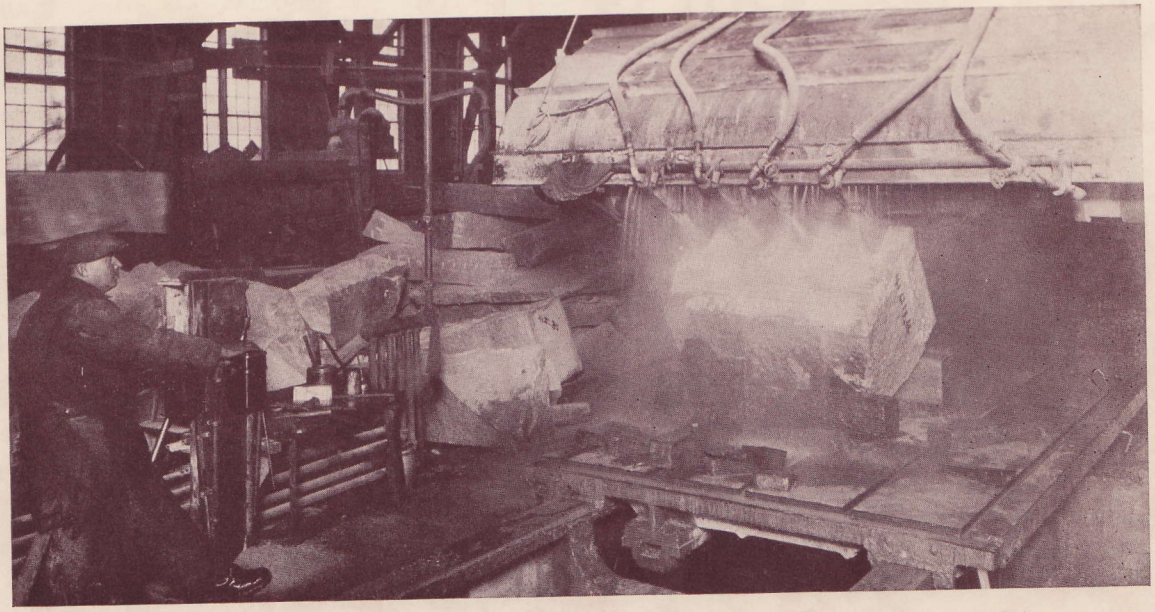


Surfacing Quarry Block Preliminary to Cutting and Finishing

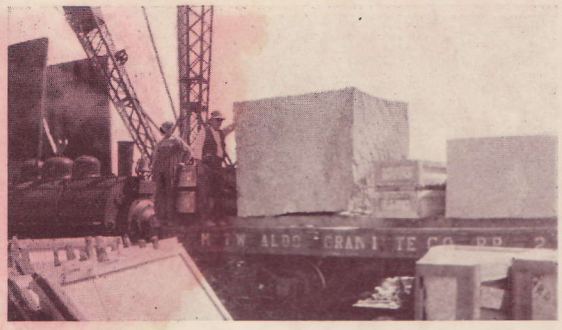
sq. ft. per day. There are five electrically driven carborundum saws, eight surfacing machines, two boring machines, one sand blast outfit, and one automatic tool sharpener. There are two polishing machines.

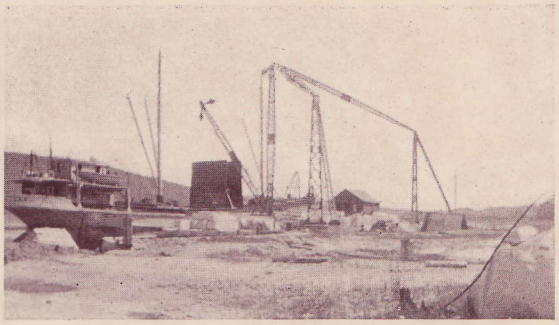
For handling and transportation at the Mohegan Quarries there are six overhead electrically driven travelling cranes of 10 to 20 tons capacity and six boom derricks with an average capacity of 25 tons each.

This equipment alone represents an investment of about one-half million dollars.



Operating Carborundum Machine by Remote Control, Showing Water Bath Which Counteracts Friction Between Stone and Wheel and Facilitates the Moulding Process



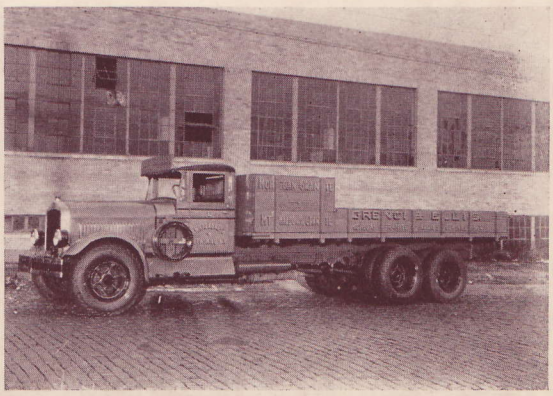


REACHING THE MARKET

The frenzy of the stone-setter waiting for delayed deliveries and the groans of the builder bearing storage expense are things of the past in modern Granite operations. This is one of the reasons that make the use of Granite an economical one.

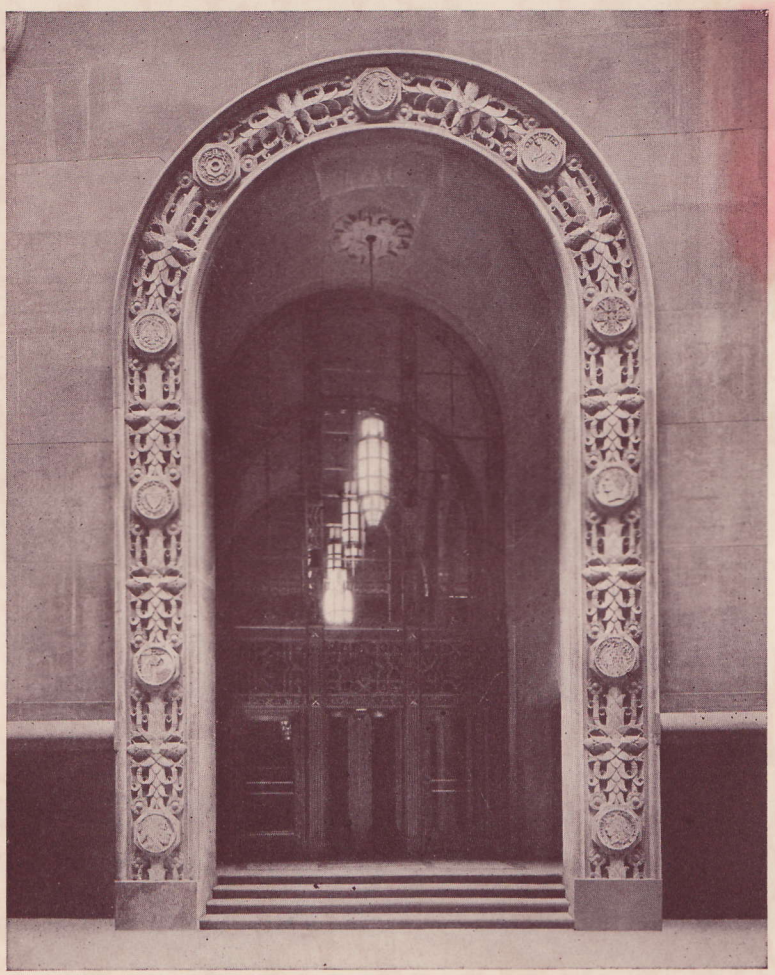
In addition to its splendid plant equipment, Grenci & Ellis has under contract for duty at all times, fifteen motor trucks. The splendid record made on the new New York State Office Building in New York City is typical of the manner in which Grenci & Ellis handles its delivery problem. In that operation 115,000 cu. ft. of Granite was furnished in a sequence of shipments to keep pace with setting operations—a constant stream of stone

Truck of Yesteryear



Modern Truck

over a period of fifteen months. It went by barge from Deer Isle, Maine, to Peekskill-on-the-Hudson, where it was cut and carved, and thence by motor to the construction site, arriving in accordance with erection schedule—one continuous performance.



Main entrance to new City Bank-Farmer's Trust Co. Building at William Street and Exchange Place, New York

CROSS & CROSS
Architects

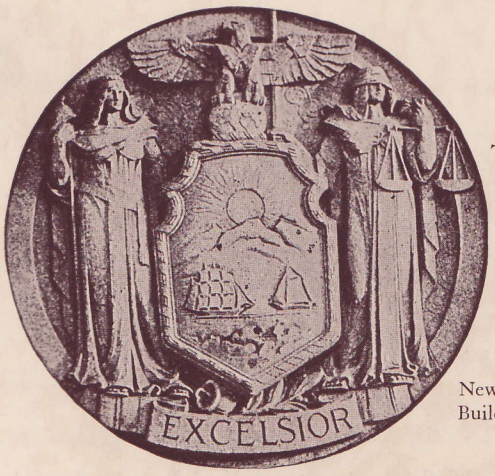
SHOWING COINS OF THE WORLD

These coins of Argentina—Italy—China and other countries of the world, as well as our own Indian headed five cent piece, are one of the finest examples of what can be done in detail carving in Granite.

The thousands who daily pass through this gateway of wealth will surely admire the accuracy of the reproduction of these coins. They are each over twenty inches in diameter and were executed in Mohegan Granite by the skilled cutters of Grenci & Ellis.

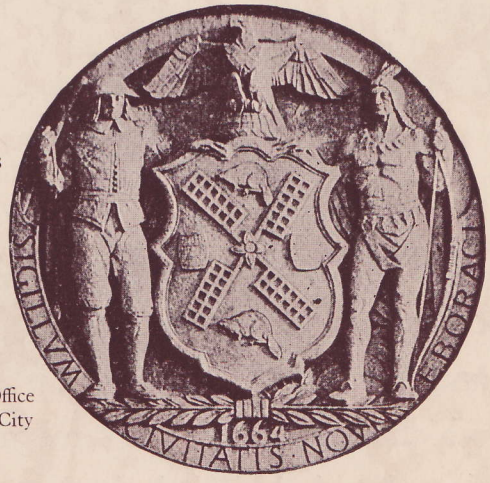
CARVER'S SKILL

Every so often some designer has an idea that his creation cannot be reproduced in Granite. And time and again his doubt is disproven, by the accuracy with which the most intricate of his designs has been carved in Granite. The precision of modern equipment efficiently operated by skilled artisans makes possible the reproduction of the most delicate of the artist's creations—beauty and inspiration presented for posterity. Minute details, once carved in Granite, live forever to the glory of the artist and carver and enjoyment of all.



The Great Seals of the State and City of New York

New York State Office Building, New York City



The accompanying photographs are proof that "it can be done in Granite."

ECCLESIASTICAL

In every stage of evolution, progress must have some base. Mohegan Granite has been the base upon which the organization of Grenci & Ellis has grown.

Cathedral of St. John the Divine

Etching reproduced through the courtesy of the artist, WALTER TITTLE, and KENNEDY & CO.

No greater honor can be extended a product than the steady expansion of the facilities used in its manufacture. Near the crest of a hill to the north and east of Peekskill, N. Y., is situated the Mohegan Granite Quarry from which is obtained a beautiful mellow Granite in two shades, one light and the other dark. The lighter commends itself for trim, while the darker is admirably suited for main surfaces. An outcrop of this "Golden Granite" was discovered about 1895.

In 1904 began the great work which is to have such a memorable part in the beautiful Cathedral of St. John the Divine. The chapels were started at that time. In 1924 and 1925 the work on the Nave got under way. Out-

Drawing, Cathedral of St. John the Divine, New York City CRAM & FERGUSON, *Architects*

put has since been maintained to meet the requirements of the setting operations.

A total of 30,000 cu. ft. was delivered in 1926 and 50,000 in 1928,

leaving a balance of approximately 40,000 cu. ft. to complete the Nave, which was done the following year.

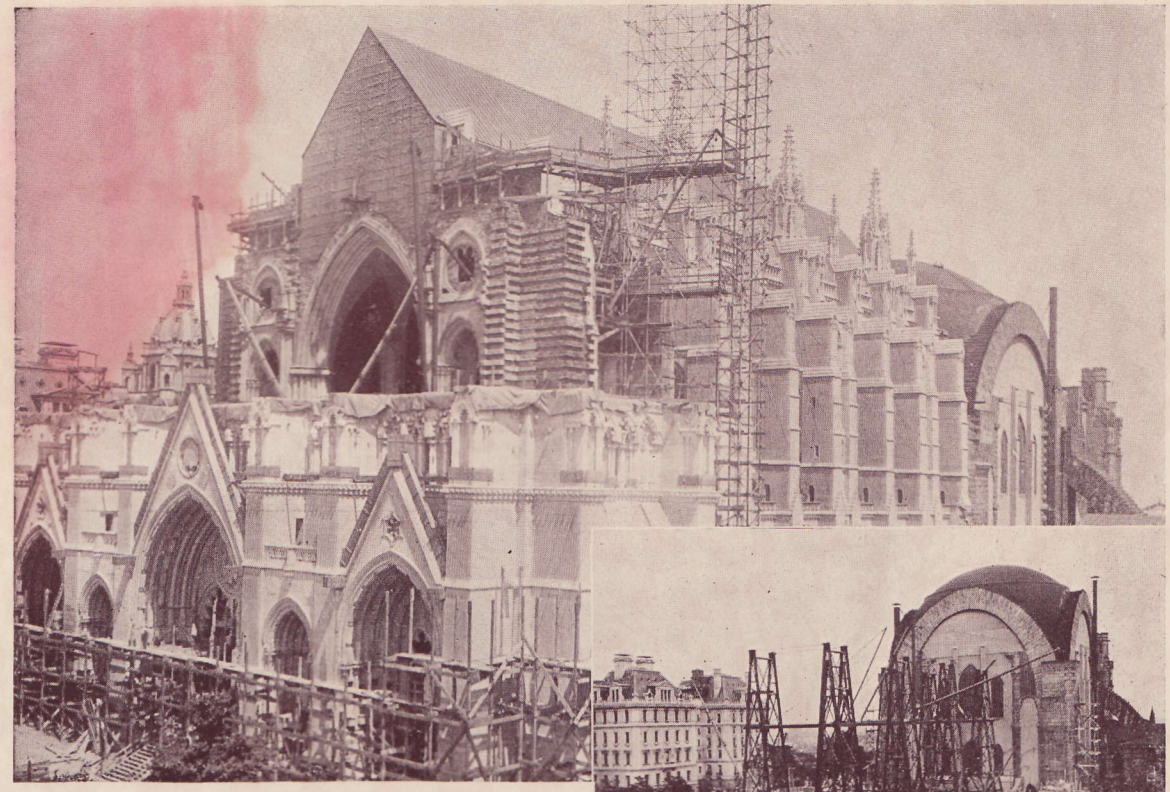
The construction work on the West Front and North Transept was begun immediately thereafter, maintaining an annual requirement of Granite of about the same proportion.

Perhaps the scope of the undertaking will be made clearer if the nature of the architectural design of a cathedral is borne in mind. As the walls rise higher and higher, the task of fashioning the numerous pieces of granite becomes more intricate and exacting, because the ornamentation and complexity of design increase as the roof is approached. Every incidental and direct detail in turning the finer work demands more thought and a greater expenditure of time.

The choice of Mohegan Granite for the Cathedral of St. John the Divine and other churches bespeaks the inherent worshipful atmosphere in the quality of the stone.

First Church of Christ, Scientist
Reading, Massachusetts

McFarland & Colby
Architects



Recent photograph by Underwood & Underwood

CRAM & FERGUSON
Architects

JACOB & YOUNGS, INC.
Gen'l Contractors

PROGRESS

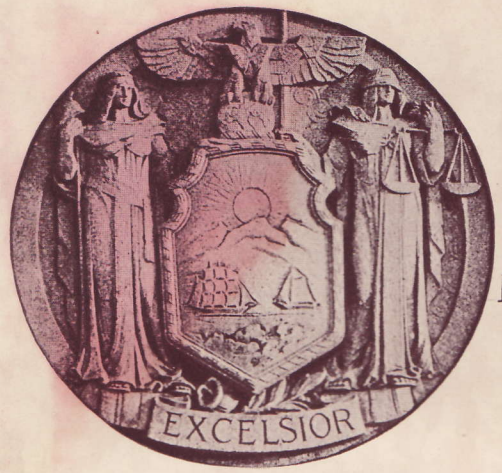
The great cathedrals of yesteryear took many years to complete. The pace and efficiency of modern procedure lessen the time of erection. Yet considering the magnitude and problems of the project, the growth of the Cathedral of St. John the Divine has been indeed remarkable. The above photographs were taken about five years apart.

The unusual measure of cooperation on the part of all those concerned with the erection of this great temple "for all peoples" has not only vastly facilitated its completion, but their unselfish endeavors form an almost physical part of the strength and beauty of the structure. The insertion shows the grade level of the West Front and the Nave. The later picture shows the Nave walls finished and the West Front carried up to above the entrance gables.

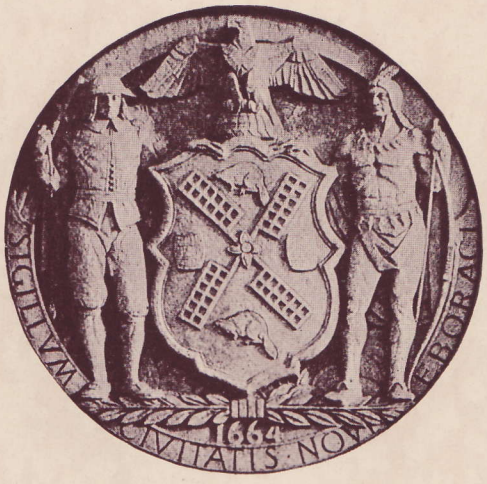
Unlike most modern construction, the structural strength of St. John's is not dependent on steel, rather on walls of Granite.

U. S. Post Office, Bangor, Maine — Erected of Mt. Waldo Granite

After many years of exposure to the elements, this building remains unblemished. It is an outstanding example of the durability and beauty which continues without maintenance expense



STATE BUILDING

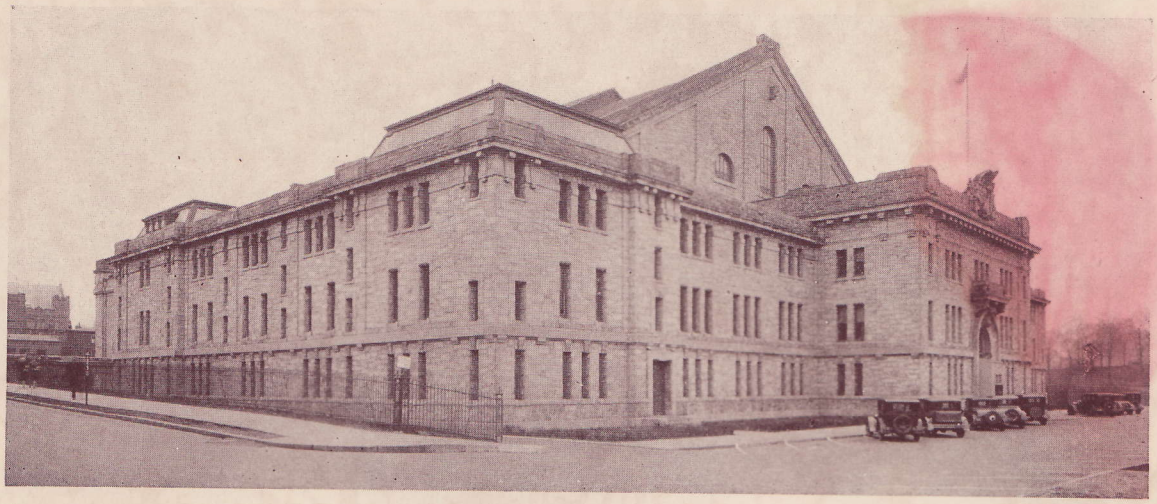


New State Office Building
New York City

SULLIVAN W. JONES—WM. E. HAUGAARD
State Architects

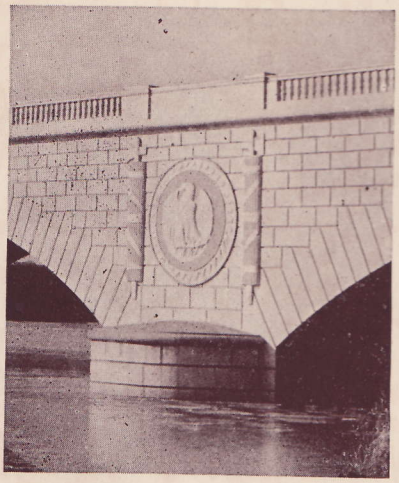
This State Building represents a particularly sound investment—a tremendous saving in rent—efficient conduct of the State's business by departments now under one roof.

It is likewise a structure of great beauty—permanent beauty through the use of Granite—the exquisite designs of the architects for the cresting and belt courses have been reproduced faithfully by the experienced carvers of Grenci & Ellis.



Connecticut State Armory and Arsenal
Hartford, Connecticut

BENJAMIN W. MORRIS
Architect



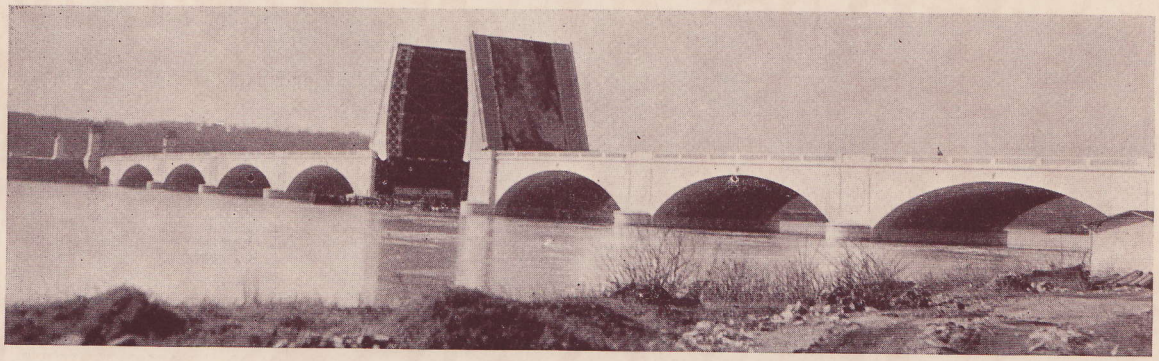
Detail of Carving

Views of

Arlington
Memorial
Bridge

Washington, D. C.

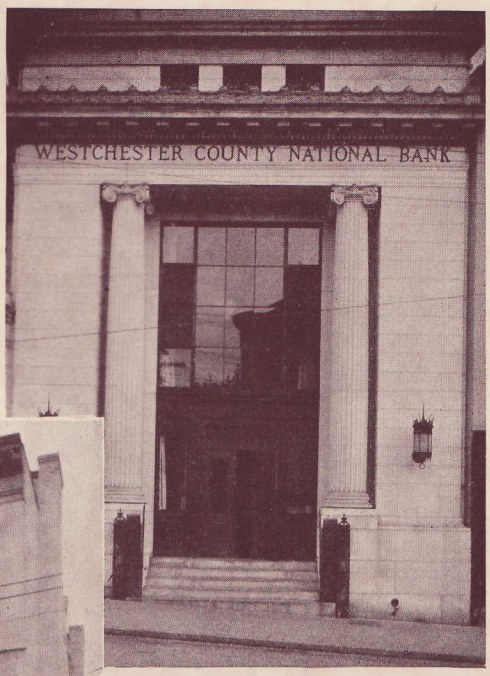
Carved Granite Eagle



Construction Under Supervision of the Arlington Memorial Bridge Commission from the Designs of
McKim, Mead & White, Architects
Granite Carving by Grenci & Ellis, Inc.

BANKERS PREFER GRANITE

How do we know? Well we sell a lot of 'em for one thing. And we see a lot of banks. There is hardly a bank of any size and reputation, big city or small town, that hasn't granite somewhere in its structure—be it for strength, for ornamentation, for its long run economy or its dignity. Granite is a common word to *Banker & Architect.*



Westchester County
National Bank

LANSING HOLDEN, *Architect*

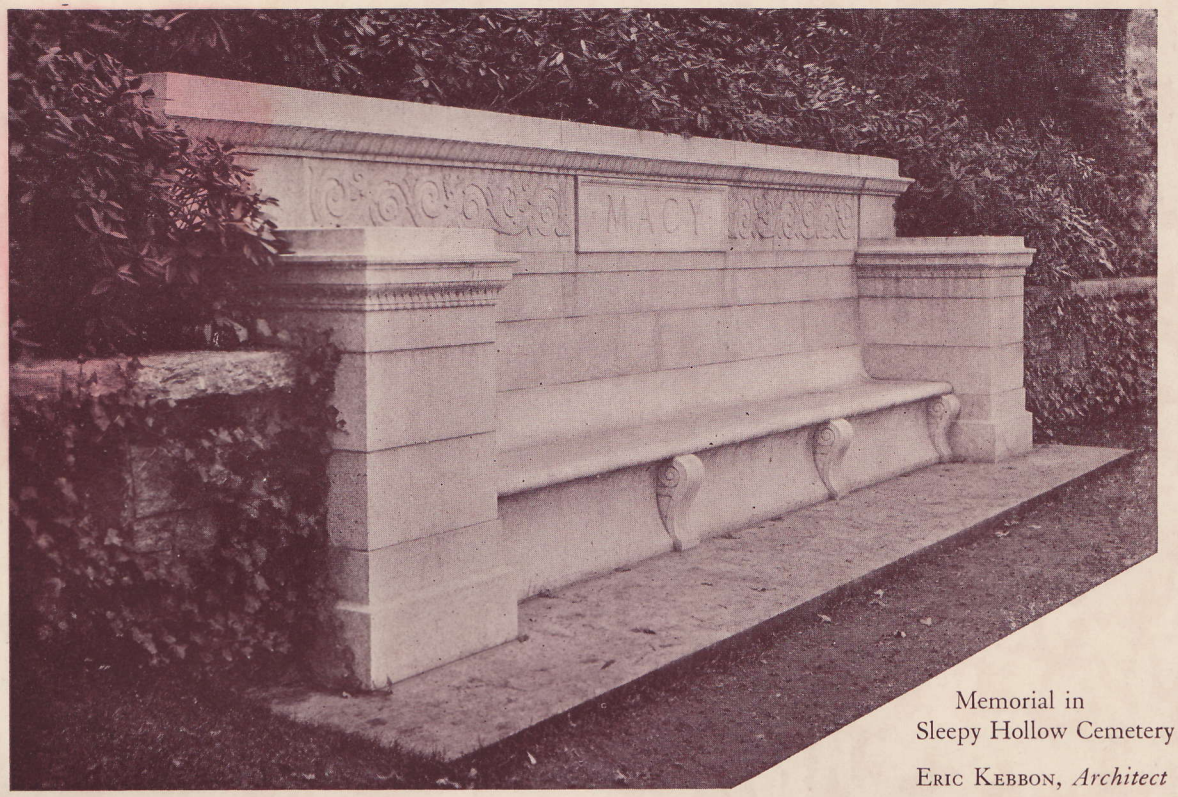
Peekskill Savings Bank
Peekskill, N. Y.

HOGGSON BROS.
Architects & Builders

First National Bank
Greensburg, Pa.

HENRY OTIS CHAPMAN, *Architect*

Mausoleum in Mohegan Granite at Hillside Cemetery, Peekskill, N. Y.



Memorial in
Sleepy Hollow Cemetery
ERIC KEBBON, *Architect*

FOR MEMORIALS

The simple beauty and restful dignity of granite cannot be equalled.

In addition to many of our best known ecclesiastical and commercial monuments, Mohegan and Mt. Waldo Granite have been used in numerous instances by individuals for their private memorials.

Aware of our modern quarrying and carving facilities and the skill of stone artists with years of experience, architects have unhesitatingly specified the reproduction of their designs by

GRENCI & ELLIS

INCORPORATED

Mohegan Quarries
PEEKSKILL, N. Y.

Mt. Waldo Quarries
FRANKFORT, MAINE

501 FIFTH AVENUE, NEW YORK CITY

TELEPHONE MURRAY HILL 2-0922

Memorial, in Mohegan Granite, to Eugene Field, Famous for His Poems for Children

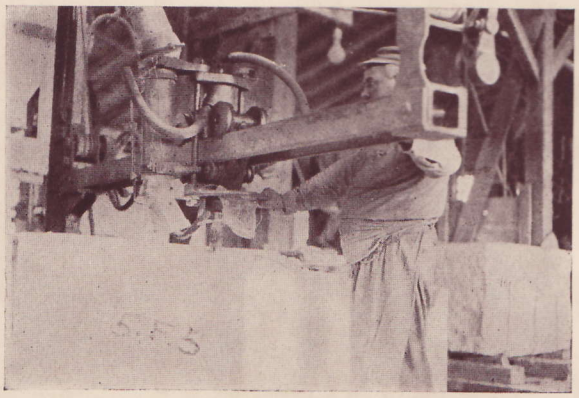
Mausoleums in
Mt. Waldo (Maine)
Granite

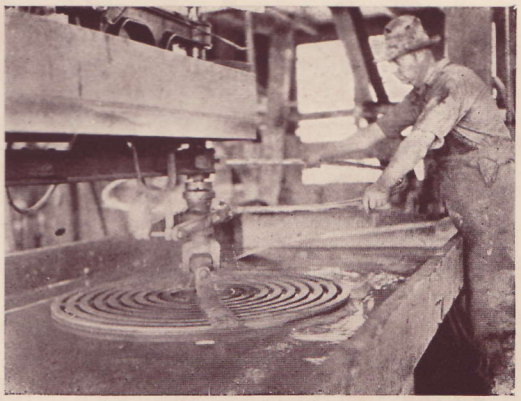
Cut and Carved at
Mohegan Granite Quarries
for
H. K. Peacock Memorials, Inc.
745 Fifth Ave., New York City

Ancient Skill

Modern Efficiency

Still hewn in raw bulk from the hillsides to grace the temples of man —still retaining its natural and rugged beauty–GRANITE is more than ever a practical material for modern building because it, too, is today made ready with the efficient aid of modern cutting, carving, and polishing equipment.





GRENCI & ELLIS

INCORPORATED

Mohegan Quarries
PEEKSKILL, N. Y.

Mt. Waldo Quarries
FRANKFORT, MAINE

501 FIFTH AVENUE, NEW YORK CITY

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GRANITE

BEAUTY

Nature is the supreme artist. Man can only copy and lacks the divine elements of nature's formula. The natural beauty of Granite can not be copied. Its texture, its mellowness, its stateliness come out of the infinite.

ERECTION

Co-ordination of schedules under efficient management —step by step with erection progress — provides Granite as it is needed. No storing —no aggravating waits for delivery. Hewing, cutting, carving, delivery, erection— one continuous performance.

LONGEVITY

Granite is not only satisfying artistically—it is rugged—it has everlasting strength. Build with Granite and you build for centuries. Granite is not a passing fancy—never out of date.

COLOR

Neither too much nor too little—neither bizarre nor gloomy—just right is the paint brush of nature. Granite was not forgotten. It is provided in a color range suitable for every style and effect.

ADAPTABILITY

The Granite industry is in step with progress. Cutting facilities and equipment of the modern plant coupled with experienced artistry insure accurate reproduction of the most delicate designs. "It Can Be Done In Granite."

COST

"All very well," you say. "But it comes high." Do not forget to consider the "Continuing Cost" of repairs and renovations. Time and the elements are unrelenting in their wear and tear on processed materials. A little more now—a little less now and then, forever.

Invest In The Best — Avoid the "Continuing Cost"

MT. WALDO GRANITE

CORPORATION

Mohegan Quarries
PEEKSKILL, N. Y.

Mt. Waldo Quarries
FRANKFORT, MAINE

501 FIFTH AVENUE, NEW YORK CITY

TELEPHONE MURRAY HILL 2-0922

ARCHITECTURAL CONSULTING SERVICE

We believe that Granite is the best and cheapest building material. In large buildings the unit cost can be greatly reduced thru certain small provisions that can best be made while the plans are being drawn. Such changes do not necessarily mean any sacrifice in the original conception of the architect's design and can be employed without losing any of the structural strength the building requires.

We believe that architects desire the reproduction of their designs in Granite.

Our consulting department will provide, without obligation, architectural co-operation in preparing plans and specifications to any architect making known his desire.

Our experience in fine granite buildings goes back over a quarter-century and it has been our pleasure to render this service to many architects and builders. In every case the result has been gratifying to the interests mutually involved.

Our drafting department is equipped to lay-out and complete full working plans and diagrams on any character of stone work upon a time cost basis.

We sincerely desire that architects and builders place before us their problems along such lines as our experience and ability permit our being of some material assistance.

GRENCI & ELLIS, Inc.