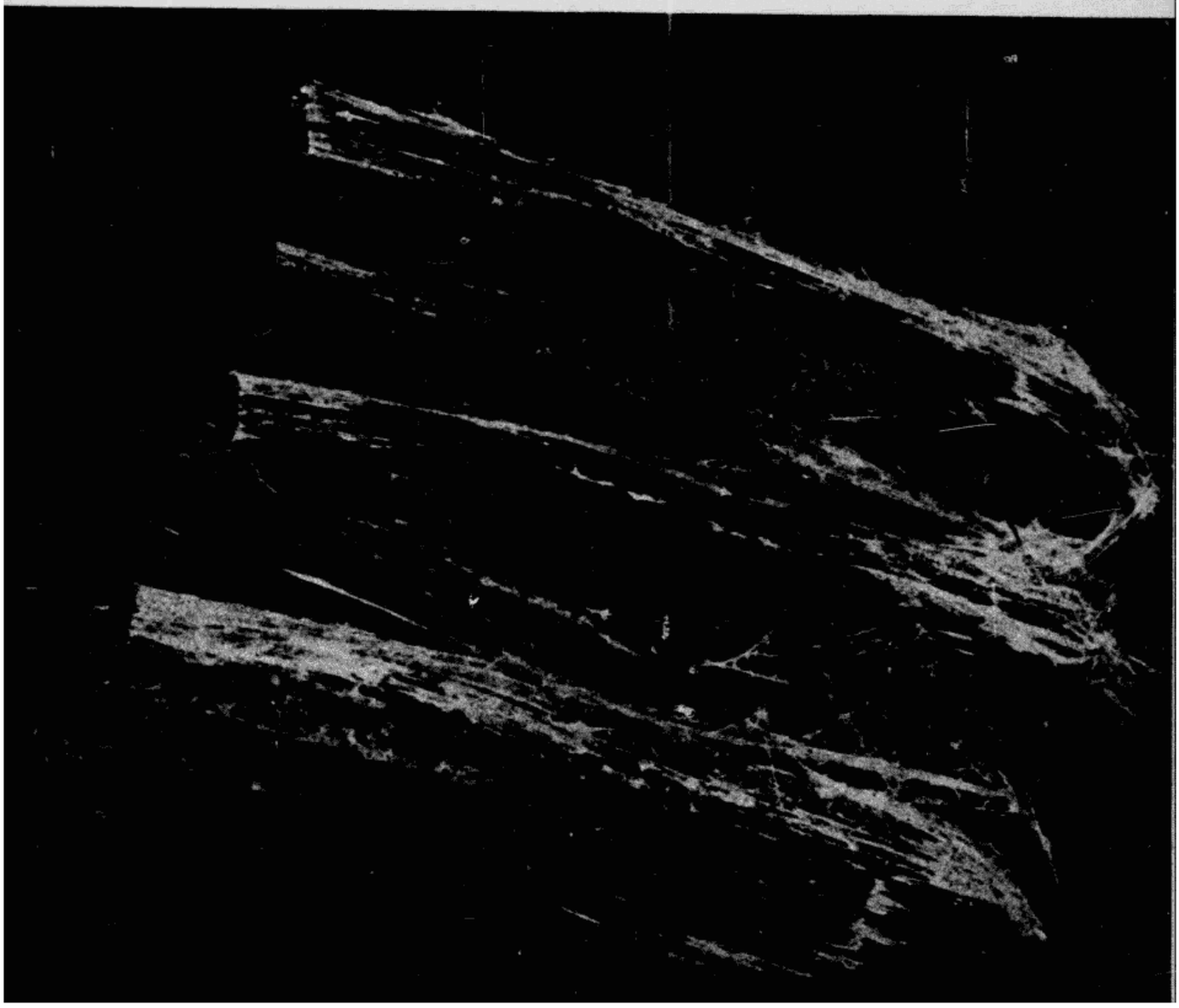
# ASBESTOS

*Devoted to the Asbestos Industry*

**FEBRUARY 1969**

**Raw Amosite Asbestos Fibre (Courtesy of The Cape Asbestos Company Limited)**




Published by AsbestosClaims.Law
asbestosclaims.law/library/12622/1

# THE PUTTEN'S ASBESTOS CORP. ORGANIZATION

## ALL TYPES AND GRADES ASBESTOS FIBRES
## CHRYSOTILE — CROCIDOLITE (BLUE)
## AMOSITE — ANTHOPHYLITE

HEAD OFFICE:

**PUTTEN'S ASBESTOS CORPORATION OF SOUTH AFRICA (PTY.) LTD.**
Rand Central Building, 165 Jeppe Street, Johannesburg.
P.O. Box 7167 — Telephone: 22-8225
Tel. Add. "Euraf Johannesburg", Telex: 43-7577-JH

ASSOCIATED COMPANIES:

**PUTTEN'S ASBESTOS CORPORATION OF RHODESIA (PVT.) LTD.**
Throgmorton House, corner Jameson Ave./Kingsway.
Salisbury/Rhodesia. P.O. Box 2246 — Telephone: 29379
Tel. Add. "Euraf Salisbury"

**PUTTEN'S ASBESTOS CORPORATION (U.K.) LTD.**
125 Finsbury Court, Finsbury Pavement, London, E. C. 2.
Tel. Add. "Euraf London", Telex: 887319, Tel. 01-628-7821

**PUTTEN'S ASBESTOS CORP. (NORTH AMERICA) LTD.**
3313 A Bloor Street, West, Toronto 18, Ontario.
Telephone: Area Code 416 239-2522
Tel. Add. "Eurafco - Toronto"

# ASBESTOS

VOLUME 50 FEBRUARY 1969 NUMBER 8

FOUNDED JULY 1919 AND PUBLISHED MONTHLY SINCE THAT DATE

## CONTENTS

THE HAZEMAG APK IMPACT CRUSHER ..... 2
UNIBESTOS INSULATES POWER STATION ..... 12
MARKET CONDITIONS ..... 16
AUTOMOBILE SALES ..... 20
BUILDING ..... 26
IMPORTS—EXPORTS ..... 40
INDUSTRY NEWS ..... 46
PERSONNEL NEWS ..... 52
ASBESTOS STOCK QUOTATIONS ..... 56
ASBESTOS PRICES ..... 58

*ASBESTOS is indexed regularly by Engineering Index, Inc.*

PROPRIETOR: Stover Publishing Company

EDITOR: Doris M. Fagan PUBLISHER: Carrell J. Stover

**SUBSCRIPTION RATES**—United States, $3.00 per year; All Other Countries, add $1.00 for postage; Current Copies, 25 cents each; Back Copies, 35 cents each; payable in U.S. Funds to:

ASBESTOS, 131 North York Road (P. O. Box 471)
Willow Grove, Pennsylvania 19090 Telephone: 215-659-0134

Second Class Postage Paid at Willow Grove, Pennsylvania, U.S.A.
Copyright 1969 Stover Publishing Company



*Asbestos Magazine, 1969, February 1969*
ACL Doc 12622 · Page 3 of 62
Published by AsbestosClaims.Law
asbestosclaims.law/library/12622/3

# THE HAZEMAG APK IMPACT CRUSHER

**(This article is based on a report which was to have been presented by Dr. Karl V. Lindell, Chairman of Canadian Johns-Manville Company Limited, at the Eighth International Mineral Processing Congress, held in Leningrad, June 10-15, 1968. Unfortunately, the report could not be presented at the Congress and Dr. Lindell has kindly given his permission for its publication in ASBESTOS. We are also indebted to Dr. E. Andreas, of HAZEMAG m.b.H., for his cooperation in preparation of the article.)**

For many years HAZEMAG m.b.H., under the leadership of Dr. E. Andreas, has pioneered in the design and production of machines for the impact crushing of rock by the Andreas System. Such machines, known as "Impact Crushers" or "Impactors," have been used successfully in a wide variety of crushing operations, including the crushing of asbestos ores, where their unique method of processing the material offers distinct advantages over crushers of other types.

Impactors crush selectively. Competent rock is broken into coarser fractions than incompetent rock. Impacting also results in a more nearly cubical product since breakage occurs along natural cleavage lines. Either of these characteristics makes an impactor preferable to either cone or jaw crushers for certain operations.

Basically, an impactor consists of a housing, supporting and enclosing adjustable mechanisms equipped with impact plates of wear-resistant alloys, and a rotor which turns at high speed on a horizontally mounted shaft. The rotor is provided with a multiplicity of steel "blow bars" or "striking blades" which project from its periphery. In operation, material to be processed is fed into the housing and is thrown by the striking blades against the impact plates with force sufficient to result in cleavage. Further cleavage occurs due to collisions between pieces of the material moving at high velocities within the housing. This process continues until the material has been reduced to the desired fineness at which point the particles can clear the crushing chamber and are discharged from the machine. Figure 1 is a sectional view of a HAZEMAG AP-4 Impactor and Figure 2 is a similar view of the new APK-50 machine. These Figures will aid in visualizing the construction and method of operation of these machines.

By the very nature of the impact crushing process, particularly in processing very hard materials, the working


Published by AsbestosClaims.Law
asbestosclaims.law/library/12622/4

# ASBESTOS CORPORATION LIMITED
## REPRESENTATIVES THROUGHOUT THE WORLD

**ARGENTINA**
Gerstmann & Deutsch,
P.O. Box 1599,
Buenos Aires

**AUSTRALIA, NEW ZEALAND**
James Hardie Trading Co. Pty Ltd.,
9-25 Commonwealth St.,
Sydney, N.S.W.

Hardie Trading Ltd.,
594 St. Kilda Road,
Melbourne, S.C. 3, Australia

Hardie Trading Co. (N.Z.) Ltd.,
4-8 Greenpark Road,
Penrose, Auckland, N.Z.

**BELGIUM**
Jos. Ide & Fils,
10, rue Marianne, Bruxelles 18

**BRAZIL**
Henri A. A. F. Van Deursen,
Caixa Postal 717, Sao Paulo

**BURMA, WEST PAKISTAN, INDIA, THAILAND, PHILIPPINES, AFGHANISTAN AND LAOS**
G. Williams & Co., Private Ltd.,
1/1 Kimber St., Calcutta 17, India

**COLOMBIA**
Casa Colombiana Comercial,
Apartado Aero 408, Barranquilla

**DENMARK**
J. Haugaard Larsen A/S,
30, Guldagervej,
Copenhagen, Vanlose

**FINLAND**
Oy. Esope AB.,
P.O. Box 13233, Helsinki

**FRANCE**
Georges Parly & Cie,
10, rue de la Pepinière, Paris (8e)

**GERMANY, AUSTRIA, HUNGARY**
Becker & Haag,
Ferdinandstrasse 58,
Hamburg 1, Germany

**ISRAEL**
Manfred Gottesmann,
P.O. Box 1252, Tel-Aviv

**ITALY, GREECE, TURKEY, LEBANON, LIBYA AND SUDAN**
Fibramianto, Societa a.R.L.,
Piazza P. Clotilde, 6,
Milan 501, Italy

**JAPAN**
Nissho-Iwai Co. Ltd.
1-10 Edobashi Nihonbashi
Chuo-ku, Tokyo

**KOREA**
Dongmee International Ltd.,
P.O. Box "International" 1224,
Seoul

**NETHERLANDS**
Th. J. Verwaaijen & Co. N.V.,
Graafstroomstraat 51,
Rotterdam-8, Holland

**PORTUGAL**
Mundial Export Corporation,
500 Fifth Ave.,
New York, N.Y., 10036, U.S.A.

**SOUTH VIETNAM, HONG KONG, MALAYSIA, CAMBODIA, EAST PAKISTAN AND SINGAPORE**
International Import-Export Ltd.,
G.P.O. Box 2584,
Singapore, Malaysia

**SWEDEN**
G. & L. Beijer Import & Export AB,
P.O. Box 16043, Stockholm 16

**TAIWAN**
Yah Sheng Chong Yung Kee Co. Ltd.,
198 Nanking East Road, Section 2,
Taipei

**UNITED KINGDOM**
A. A. Brazier & Co. (Asbestos) Ltd.,
Newby House,
309 Chase Road, London N. 14

**VENEZUELA**
PROQUIM C.A.,
Apartado 5649, Caracas



*Asbestos Magazine, 1969, February 1969*
ACL Doc 12622 · Page 5 of 62
Published by AsbestosClaims.Law
asbestosclaims.law/library/12622/5

parts of the machine, including the walls of the housing, are subjected to extremely rigorous conditions so far as wear is concerned. The chief drawback of any impactor has always been the difficult and costly maintenance required at rather short intervals. It has been due only to the great advantages of the machine in respect to quality of product and its selective crushing effect that its use, in place of other crusher types, could be economically justified.

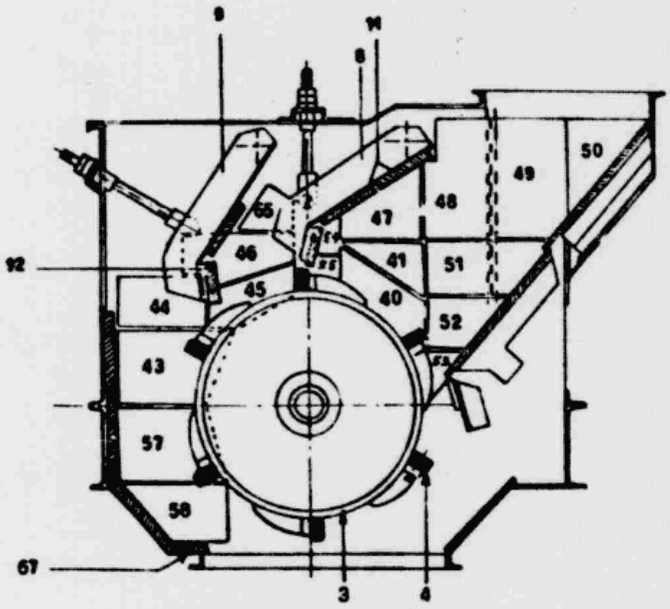
Recognizing this inherent weakness of previous impactors, HAZEMAG has drawn on its long experience in this field to design and build a revolutionary new machine, the APK model, in which the prime consideration has been the simplification of maintenance procedures. At the same time, certain elements of the machine have been re-engineered to permit more extensive use of hard, long-wearing alloys which greatly reduce the frequency and cost of maintenance required.

One of these machines, an APK-50 with a rated capacity of 100 tons per hour was placed in operation in one section of the crushing plant of Canadian Johns-Manville's Jeffrey Mine in September of 1967. The following is a report on the experience of C.J-M with this machine.

The APK-50 is set up in parallel with a conventional HAZEMAG AP-4. Feed alternates between the two machines. Feed size is the equivalent of the through size of a two inch rod-deck screen — containing rocks up to two inches by six inches. A magnetic separator is installed over the feed belt to remove all tramp iron before it can reach either impactor. As a safety measure, the magnet is electrically interlocked with the APK-50.

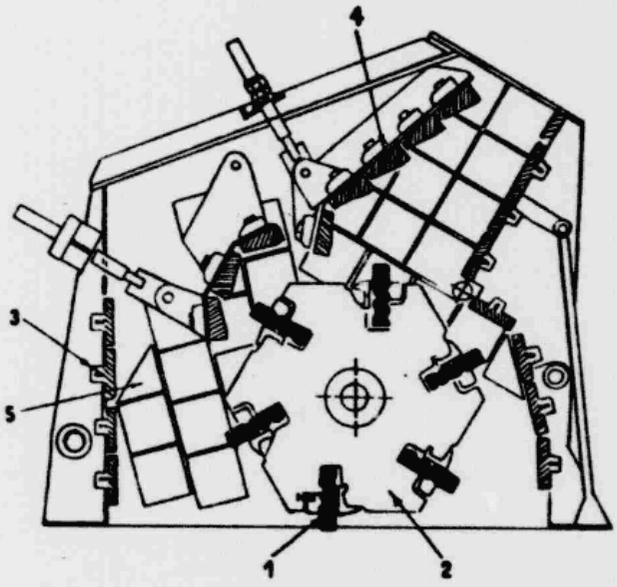
It will be noted in Figure 1 that the AP-4 has a solid rotor with striking blades attached as shown. These blades are of high-manganese steel and require hard-surfacing, by welding, every 24 hours or every 2400 tons of rock processed. Striking blades of Ni-hard steel were tried in this machine but they shattered within the first 20 hours of operation because they were too light to withstand the impact encountered. Heavier blades could not be used because of the basic design of the rotor. In the APK-50, Figure 2, the striking blades


Published by AsbestosClaims.Law
asbestosclaims.law/library/12622/6




**HAZEMAG AP.4**

*Figure 1*




**HAZEMAG APK-50**

*Figure 2*




Published by AsbestosClaims.Law
asbestosclaims.law/library/12622/7

are much heavier and are made of solid Ni-hard #4 steel castings. They are notched on alternate sides where they engage the rotor so they can be turned and advanced radially as the tips wear away. They are made in two pieces, each weighing 110 pounds for a total of 220 pounds per blade. This contrasts with a weight of 44 pounds per blade in the AP-4. Figure 3 is a photograph of the rotor of the APK-50, showing more clearly the configuration of the striking blades and the manner in which they are attached to the rotor. It will be noted that the new rotor is of "open" design as opposed to that of the AP-4. The narrow surfaces between striking blades have been hard-surfaced by welding, and have shown very little wear.



**APK-50 ROTOR—STRIKING BLADES**
*Figure 3*

The heavier striking blades have worked very well. At a tip speed of 7000 feet per minute they processed 328,000 tons of ore without incident. When several thousand tons had been processed the leading edges of the blades were slightly rounded. After that the blades wore back evenly in the same configuration. The proper gap between striking blades and impact mechanism was maintained by lowering the impact mechanism one-quarter inch for every 32000 tons processed. Because the striking blades maintained the same configuration, the work done by the machine remained relatively constant. In the AP-4 the manganese steel blades wear off to an angle that produces much less work than new, sharp-cornered blades.

As shown in Figure 2, the side liners in the APK-50 are almost all square and are interchangeable. Each has a slotted lug, cast integrally, and is secured to the housing by a wedge engaging this lug where it protrudes from the out-


Published by AsbestosClaims.Law
asbestosclaims.law/library/12622/8

# THOMAS HARDMAN & SONS LTD

The largest manufacturers

of

# ASBESTOS CEMENT FELTS

in

Great Britain offer their
World renowned
Patented

## NEEDLE REINFORCED 100% NYLON FELTS

---

Manufacturers and Patentees

## THOMAS HARDMAN & SONS LTD

Fernhill Mills, Bury, Lancashire. England

CABLES:
Felts, Bury, Telex

TELEX:
No. 66477





Published by AsbestosClaims.Law
asbestosclaims.law/library/12622/9

side of the housing. By simply removing the wedge, the liner can be rotated ¼ or ½ turn to increase utilization of the wear metal. A few triangular liners are used in the corners of the housing and these are also secured by the lug-wedge arrangement. The impact mechanism liners are identical to each other, are fastened with the same lug-wedge arrangement, and are interchangeable, making it possible to rearrange them at intervals to equalize wear and fully utilize the wear metal. There are only three sizes and shapes of liners in the entire machine so spare parts inventory can be minimized. All liners are of Ni-hard #4 steel and none had required replacement when over 300,000 tons of ore had been processed. Note, in Figure 1, the multiplicity of sizes and shapes of liners in the AP-4. Actually, there are 29 different liners in this older machine and they are held in place by bolts which pass through the housing wall. Removal and replacement of liners is a time-consuming job due to the multipilicity of bolts involved.

The complete history of the operation of the new machine serves to indicate the success achieved by this design in reducing maintenance to a bare minimum.

Operation started on September 21, 1967. The rotor speed was set at 525 rpm, equivalent to a blade tip speed of 7000 feet per minute. On October 2 a break occurred in one of the impact mechanism liners. The break was between two of the securing lugs and there was no danger of separation of the liner from the supporting member. This liner was interchanged with another in a different location and continued in service with no further trouble. Tonnage processed at this point was 6,530. On November 22, after processing 92,098 tons, the rotor was re-balanced by welding small counterweights to two of the striking blade locks. In December, some of the side liner plates were turned to equalize wear. In January, 1968, after processing 201,030 tons, the rotor again required re-balancing. In March, the liners of the upper impact mechanism were rearranged to present sharper breaking edges. At this point 288,106 tons had been processed. On April 4, for test purposes, the rotor speed was increased to 750 rpm, equivalent to a blade tip speed of 10,000 feet per minute. Operation at this speed continued until April 12, when one striking blade broke. The cause of failure is not known but it is suspected that a piece


Published by AsbestosClaims.Law
asbestosclaims.law/library/12622/10



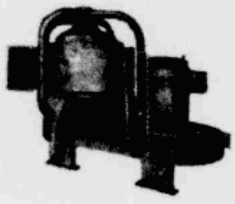
**Remove gritty foreign material such as silica, iron, mica and sand . . . unopened fibre bundles . . . serpentine . . . fibre bound magnetite . . . simultaneously and without fibre loss . . . with this Bauer multi-phase equipment.**

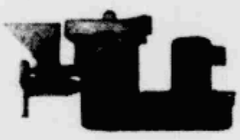
**Centri-Sonic Classifier**—Sharp classification anywhere in the 200 mesh to 15 micron range.

**Hurricane-Pulverizer-Classifier**—Opens short fibre completely to controlled levels. Positive extraction of impurities with patented skimmer-deflector.

Both units air convey processed material to next station automatically. Ask for Bulletins G-8 and G-4. **The Bauer Bros. Co.**, Springfield, Ohio 45501, U.S.A. / Brantford, Ontario, Canada.

***Ask about a Bauer total function system designed for your specific needs.***





**BAUER**




Published by AsbestosClaims.Law
asbestosclaims.law/library/12622/11

of non-magnetic steel passed the magnet and was to blame for the break. Striking blades will be replaced before further high speed tests can be run.

Aside from the specific maintenance items noted, it was necessary to hard-surface, from time to time, certain areas where mild steel plate was subjected to wear from abrasion. Such maintenance was considered of minor significance.

Altogether, the machine processed some 342,000 tons of rock in about six and one-half months of operation at a feed rate of 100 to 125 tons per hour. The wear on the striking blades was 2-7/16" out of a possible 4" maximum. It was estimated that close to 600,000 tons could have been processed before renewing the striking blades.

An evaluation of the performance of this machine indicates that replacing an AP-4 with an APK-50 can save some $9,000 per year in direct maintenance costs. The reduction in down-time for maintenance should add from one to two hours per day to productive capacity and this is worth a great deal more than $9,000 per year.

---

ACOUSTICAL SOCIETY OF AMERICA—The *Delaware Valley Chapter* of the Acoustical Society of America will hold its next meeting on February 26, 1969. At this meeting, Dr. Uno Ingard, of the Massachusetts Institute of Technology, will discuss "Some Aspects of Sound Generation by Fluid Flow."

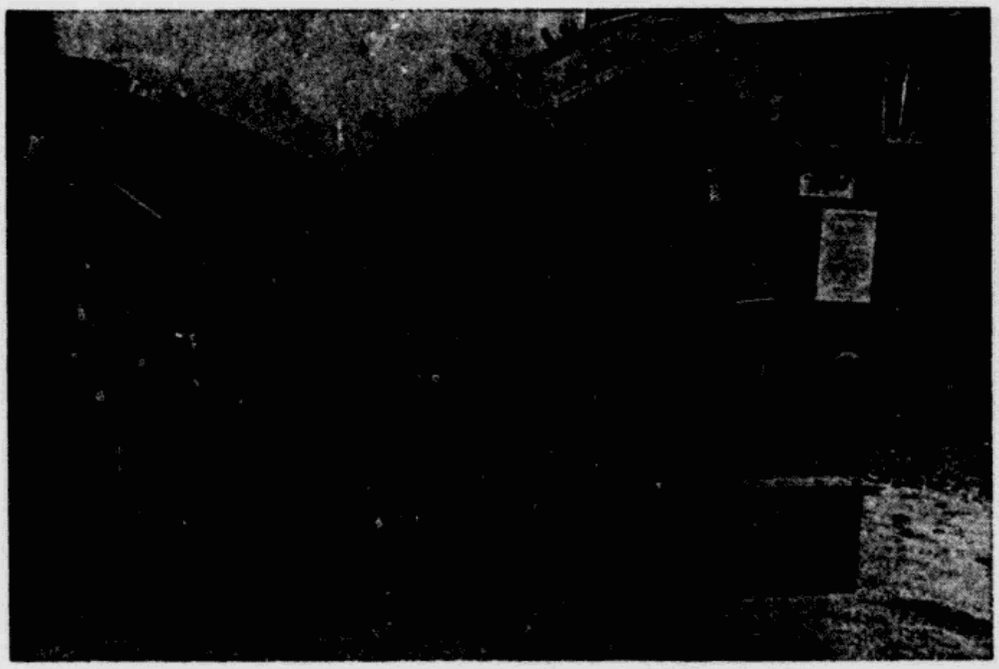
At the January meeting, Dr. Rocco A. D. Taranto, Head of the Engineering Mechanics Department of PMC Colleges, spoke on the role played by various dampening mechanisms to control and eliminate the harmful effects of vibration. Viscous, Coloumbs and material dampening were explored, with particular emphasis on the use and abuse of viscoelastic materials.

THE ASPHALT AND VINYL ASBESTOS TILE INSTITUTE has many case histories and pieces of instructive literature concerning vinyl abestos tile which are available on request.


Published by AsbestosClaims.Law
asbestosclaims.law/library/12622/12

# Important Reduction of Maintenance with new

# HAZEMAG Impactor



K-1ype Crusher capacities ranging from 20 to 250 tph

**Hazemag m.b.H.**
Muenster IW
West Germany

HAZEMAG

**Hazemag USA Inc.**
60 East 42nd Street
New York 10017

**Hazemag (Canada) Ltd.**
310 Victoria Avenue
Montreal 215, P.Q.





Published by AsbestosClaims.Law
asbestosclaims.law/library/12622/13

## Unibestos Insulates Power Station

The Allegheny Power System has completed a new unit at its power generating plant at Fort Martin, West Virginia. The unit is identical to the one which went into operation at Fort Martin in May, 1967, and has increased the station's capacity to more than one million kilowatts. To turn the rotor of the huge, 2600 ton turbo-generator, four million pounds of steam are generated every hour at a temperature of 1010°F.

Among the miles of pipe in this plant are small test lines for quality control purposes and others ranging from 5 to 30 inches in diameter for main steam, extraction, reheat and suction. The 20 inch main steam lines from boiler to generator are all covered with *Unibestos®* insulation made by *Pittsburgh Corning Corporation.* This is a high temperature insulating material composed of Amosite asbestos fiber combined with an inert silicate binder and diatomaceous earth.

Insulation covering these lines is in two layers, 2 and 3 inches thick, for a total thickness of 5 inches. The material is supplied in half-round sectional form for ease of application on the straight runs of pipe. Coverings for elbows and bends were fabricated on the job by cutting segments of appropriate shape from the sectional covering and cementing the segments together with a sodium silicate adhesive. After application of the insulation, its exterior was covered with a skin of aluminum sheet.

The efficiency of this insulation is amply demonstrated by the fact that the temperature drop from the boiler to the turbine, over a distance approximating the height of a fifteen-story building, is only 10°F from the boiler outlet temperature of 1010°F.

According to William Shaeffer, on-site superintendent for the insulating sub-contractor, George V. Hamilton, Inc., one advantage of the Unibestos® insulation was that its strength and stability were such that breakage during installation was at a minimum and fabrication of segments for elbows and bends was greatly facilitated by these characteristics of the material.


Published by AsbestosClaims.Law
asbestosclaims.law/library/12622/14

# ASBESTOS

ALL KINDS

FOR ALL USES

•

TECHNICAL SERVICE

AVAILABLE

•

## CENTRAL ASBESTOS Co., LTD.

CENTRAL HOUSE • THOMAS ROAD • LONDON E.14

'Phone 01-987-5711 Cables CENBESTOS LONDON

CENTRAL ASBESTOS (S.A.) PTY LTD P.O. BOX 10213 JOHANNESBURG





Published by AsbestosClaims.Law
asbestosclaims.law/library/12622/15

ROSCOE S. TALLMAN, Chairman and President of *Tallman-McCluskey Fabrics Company,* died December 17, 1968 at age 84. Mr. Tallman was well-known in the Asbestos Industry and had been active in the Asbestos Textile Institute for many years.

JUDA DIENER, former Vice President of *Smith & Kanzler Company,* passed away January 5, 1969 at the age of 72. Mr. Diener had been with S&K until ten years ago, at which time he became a building contractor in San Juan, Puerto Rico.

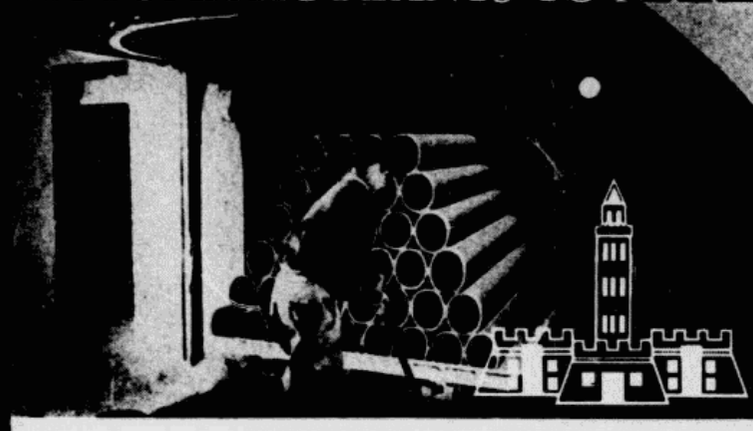
---

RAPISTAN INCORPORATED describes its *vibratory conveyors* in Catalog 4300. The new literature shows both coil spring and leaf spring models for handling a wide variety of bulk materials. Natural frequency and dynamically balanced models for high temperature, sanitary and other special applications are illustrated, along with models for conventional bulk handling purposes.

CALIDRIA ASBESTOS is described in a new ten-page brochure published by *Union Carbide Corporation.* A unique and versatile fiber, CALIDRIA Asbestos has been proven for application as an extender, a thickener, a reinforcer and an opacifier. It is of the Chrysotile variety and is obtained from a short-fiber asbestos deposit in the New Idria area of the Diablo Mountain Range in central California. Union Carbide uses the wet process to produce all CALIDRIA Asbestos products. This process is described as a treatment which breaks down the fiber bundles and removes the rock and other foreign contaminants of the ore body, leaving essentially pure asbestos. A distinct result of this process is the ability to offer an economic pelletized asbestos product. Advantages of this form are: ease of handling, reduced dust, lower shipping rates, and less troublesome and costly storage. CALIDRIA Asbestos pellets are 3/8-inch in diameter by 3/4-inch in length and can be handled by conventional dry bulk handling systems.


Published by AsbestosClaims.Law
asbestosclaims.law/library/12622/16

AUTOMATIC PLANTS TO MAKE SOCKETED PIPES

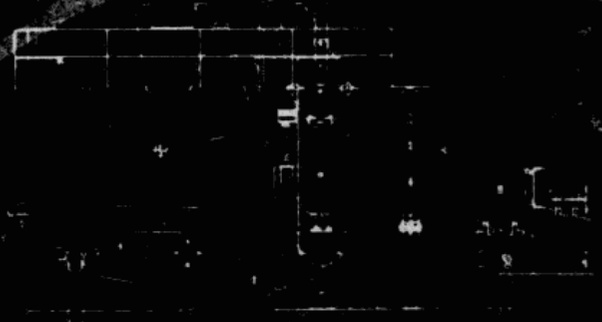


AUTOMATIC PLANTS FOR MAKING HIGH PRESSURE ASBESTOS CEMENT PIPES

ASBESTOS CEMENT ENGINEERING CO.



MODERN PLANTS FOR MAKING ASBESTOS CEMENT CORRUGATED AND FLAT SHEETS

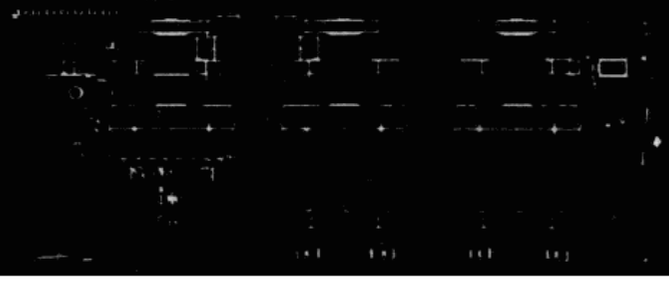


Plants projected, delivered and started.
Agents required.
Ask for Modern Catalogues.

AUTOMATIC CORRUGATING AND STAPLING MACHINES

ASBESTOS CEMENT ENGINEERING CO.

AEULESTRASSE 2
VADUZ – LIECHTENSTEIN
(SWITZERLAND)
P.O. BOX 34.722 •
CABLES: ASBESTENGINEER VADUZ
TELEX: 57871 Trenbaud g AC



# MARKET CONDITIONS

## General Business.

General business continues good despite signs of a slacking-off in certain areas of the economy. New car sales are slightly lower than those of last year but steel ordering increased substantially during January. The largest commercial banks again raised the prime interest rate, this time to 7%. One of the first major acts of the new Administration was to raise the ceiling on home mortgage interest rates to 7½%, applying to all Government-backed mortgages. This move is deemed necessary to maintain the flow of money into the housing market as opposed to other avenues of investment. Aside from this, Mr. Nixon seems to be taking a very cautious approach to the many problems facing him and has not, as yet, made any far-reaching proposals for dealing with specific problems. This is in contrast to his two immediate predecessors, each of whom started something "big" within a few days of taking office.

In view of continuing inflationary pressures, it seems fairly certain the income surtax will be continued beyond its originally scheduled expiration date. What other measures will be taken to stem inflation without precipitating a too-steep recessionary trend remain to be seen.

The Paris peace talks have been resumed but it is too early to tell when real progress will become evident. Up to now the proceedings have consisted merely of restatements of the basic positions of the parties involved.

The Middle East situation continues critical and its stability is uncertain on a day-to-day basis as the nations involved persist in committing overt acts against each other, followed by retaliatory acts by the "injured" parties. Next to Vietnam, this is the most serious situation on the international scene.

---

1968 PROCEEDINGS of the *American Society for Testing and Materials* is now available at $12.00 per copy, plus shipping and handling charges. This 562-page book is the official record of the proceedings of ASTM for the year 1968.


Published by AsbestosClaims.Law
asbestosclaims.law/library/12622/18

# BELL ASBESTOS MINES LTD.

**THETFORD MINES, QUE.**

**CANADA**



***Producers of***

***Raw Asbestos Crudes***

***& Fibres***



***Sales Representatives***

***for***

**Cassiar Asbestos Corporation Limited**





Published by AsbestosClaims.Law
asbestosclaims.law/library/12622/19

MOTOROLA RADIOS—In the most hazardous atmospheres of the mining, milling, chemical, pipeline and other industries, engineers now can design radio systems into their plants and processes, according to *Motorola Communications and Electronics, Inc.* Five Motorola Handie-Talkie two-way radio models are said to be safe for use in hazardous atmospheres. The new radios have been tested for safety of operation in the presence of flammable and explosive mixtures of specific vapors, gases and dusts with air.

---

T. W. CLAYTON (POOLE) LIMITED has developed the non-contact *"AG 900 Air-Electronic Gauging Unit"* which can operate with a gap between the workpiece and the air jet orifice of up to 0.187", or 0.625" if non-standard nozzles are used. The portable equipment can be used for both indication and control and its applications include machine tool gauging and in-process gauging and automatic control in the manufacture of materials such as asbestos, glass and plastics. The unit has its own rotary air compressor and uses air gauging combined with a pressure-sensitive transducer to provide an electrical signal proportional to the measured gap between the workpiece and the orifice.

---

THE DCE UNIMASTER is a self-contained unit dust collector manufactured by *Dust Control Equipment Limited,* of Thurmaston, Leicester, England. According to the company, the Unimaster has been used successfully by manufacturers of asbestos products for the efficient control of dust. A hood, closely designed to the traveling sawhead and fitted with bristles, controls and confines the dust before it is drawn through a flexible duct and into the collector. The coarse dust enters directly into the quick release container and the fine particles are trapped by the patent pad-type fabric filter. The particles are periodically dislodged by a "Fulimatic Controller" which automatically activates the cleaning mechanism, thus eliminating the need for manual cleaning. The cleaned air is then vented into the atmosphere. Single unit capacity ranges from 600 c.f.m. to 1800 c.f.m., or higher in combination.


Published by AsbestosClaims.Law
asbestosclaims.law/library/12622/20

# SCAPA

## will . . .

* **SUPPLY** the felts best suited for your asbestos-cement production . . . Batt-on-Base . . . Needle Reinforced . . . Scapa Needled . . . whether you require smooth surface or the greatest knuckles

* **DELIVER** the felts you require anywhere in the world . . . and deliver ON TIME

* **ENSURE** that the Scapa felts you use are stable and consistent in quality

**YOUR ENQUIRIES ARE INVITED**

**SCAPA DRYERS LTD.**

BLACKBURN ENGLAND

**WAYCROSS, Ga., U.S.A.** **JOLIETTE, P.Q., Canada**

## Automobile Sales

NOVEMBER 1968 motor vehicle factory sales from plants in the *United States* totaled 1,040,745 (passenger cars—876,603, trucks and buses—164,142). The total for November 1967 was 807,715.

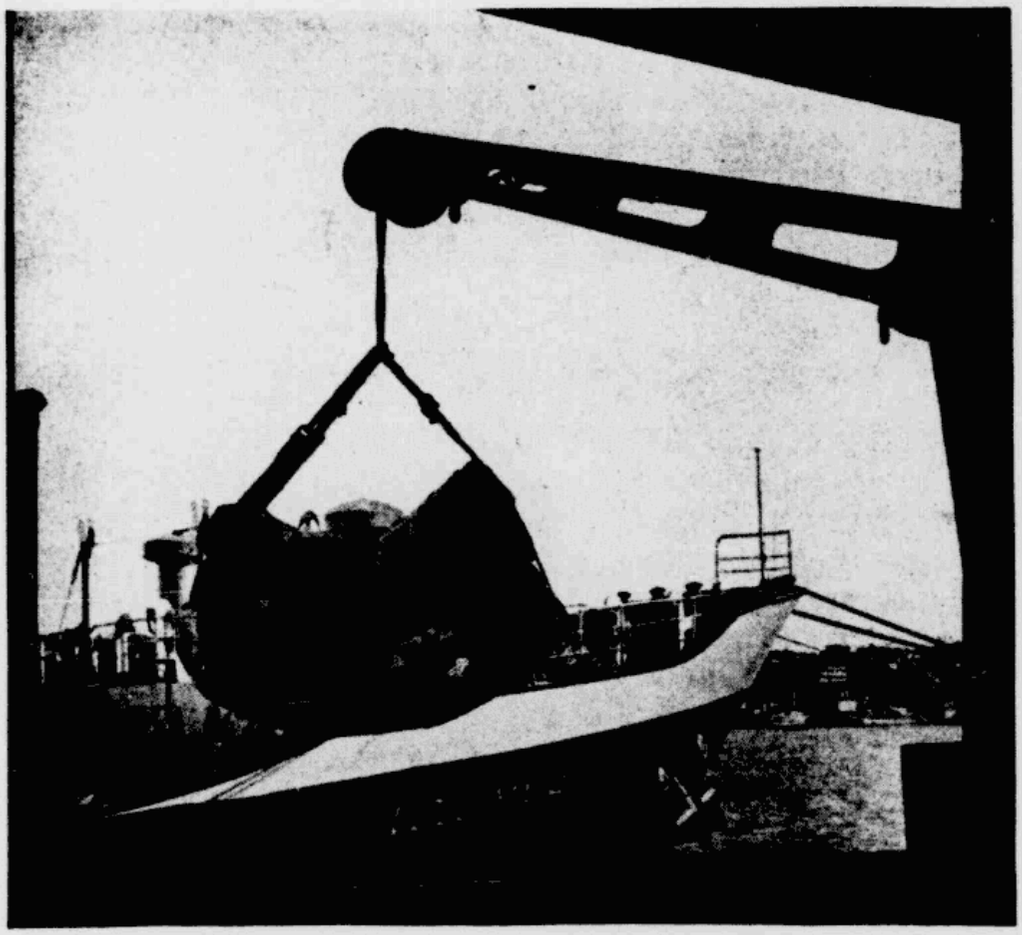
Motor vehicle factory sales from plants in *Canada* totaled 129,538 for November 1968 compared to 91,651 in November 1967.

---

INTERNATIONAL COMMITTEE OF WEIGHTS AND MEASURES held a meeting in Sevres, France, last October and approved a new International Practical Temperature Scale extending down to much lower temperatures than before. The Committee had been authorized to take this action by the "13th General Conference of Weights and Measures" which met in October of the previous year. Other technical actions taken by the Committee included a change in the reference base of the volt and in the accepted values of the gyromagnetic ratio of the proton and the acceleration due to gravity at Potsdam. In addition, major decisions were reached that affect international cooperation in radio-frequency measurements, accurate time dissemination, and standard reference materials.

BUILDING INSPECTION SERVICE is the title of a bulletin published by *Vibration Measurement Engineers, Inc.* which describes how skilled personnel under the auspices of a professional engineer will conduct detailed inspections to determine and record the true condition of buildings and structures in the vicinity of new construction jobs, prior to the start of such jobs. Where new construction will involve pile-driving, blasting or similar potentially damage-producing operations, this pre-construction survey can substantially reduce the number of unjustified claims from adjacent property owners as construction proceeds. VME vibration equipment and trained personnel are also available to contractors during construction operations to supply complete records of any seismographic disturbances which may have been caused at any time by actual construction work.


Published by AsbestosClaims.Law
asbestosclaims.law/library/12622/22



# GOLD BOND
# ASBESTOS FIBRES

**Destination: Anywhere!** Through our vast network of overseas representatives, a complete selection of Gold Bond® milled Asbestos Fibres can be shipped anywhere in the world, promptly and efficiently. For your nearest representative, write National Asbestos Mines Ltd., Thetford Mines, P. Q., Canada. (Subsidiary of National Gypsum Company.)

Gold Bond
ASBESTOS FIBRES

A29



*Asbestos Magazine, 1969, February 1969*
ACL Doc 12622 · Page 23 of 62
Published by AsbestosClaims.Law
asbestosclaims.law/library/12622/23

FISHER-KLOSTERMAN, INC. has issued Bulletin 217C which features its high efficiency XQ Series of *cyclone dust collectors*. The bulletin lists basic factors involved in particle size analysis, such as aerodynamic properties, and formulas used in determining pressure drop and collection efficiency. Specific performance data are given for 41 sizes of cyclones, ranging from 70 to 27,000 cubic feet per minute capacity.

---

WHEELABRATOR CORPORATION'S Air Pollution Control Division has released Catalog No. 573-D which describes the operating details and construction features of the new *Wheelabrator-Turbex wet collector and scrubber*. The collector provides for uniform scrubbing of dust-laden air or gases to assure constant high collecting efficiency. A completely self-contained sludge ejector is incorporated in the unit for positive disposal of the collected dust.

---

HANKISON CORPORATION has Bulletin 0200-4 available which describes its complete line of refrigerated air dryers, including three new "Refrigifilter" models which have air drying capacities of 200 SCFM (Standard Cubic Feet per Minute), 1600 SCFM and 2000 SCFM. The bulletin contains engineering data relating to Hankison's line of "Refrigifilters" and includes information on how to select an air dryer for various operating conditions.

Cable Address "Fraruggles" Telephone (201) 379-2186

**ASBESTOS FIBRES**

**ASBESTOS WASTE**

**Frank G. Ruggles Co., Inc.**

POST OFFICE BOX 301 SHORT HILLS, N.J. 07078



The **R. C. M. Company** - *known all over the world as a Firm highly specialized in the manufacture of equipments for the production of asbestos-cement pipes and sheets - make available their own experience for the solution of the following problems:*

- *dust elimination in asbestos departments*
- *pneumatic transport and ensilage of cement*
- *automatic preparation of asbestos mix*
- *hydrodesintegration of asbestos with patented process*
- *automatic preparation of slurry with turbomixer*
- *centralized recording of asbestos and cement weighings*
- *pipe curing by means of roller conveyor*
- *automatic sheet corrugation and quick maturing of them*
- *modernization of pipe machines with two forced feeded sieve cylinders.*

**R. C. M.**

**85, Corso Pietro Colletta - TORINO (Italy) - P. O. Box 468**

**Cable Address: Erciem Torino - Phone: 233823/4/5 - 284837 - 284797**

JOHNS-MANVILLE CORPORATION has made a dramatic departure in floor tile with its introduction of *"Montage,"* the latest in its Vinylcraft line of indexed vinyl-asbestos tile. With this new tile, the decorator can create a wide variety of custom floor patterns using identical tiles and no feature stripping. Each tile has a wide diagonal band at two opposite corners in combination with embossed marble-like veining. Also, J-M has added a new embossed floral pattern, *"Bouquet,"* to its Terraflex line of vinyl-asbestos floor tile.

---

VIBRA SCREW INCORPORATED has published Bulletin CSF-2 which describes the operation, characteristics and construction features of its *Counterflow Vibrating Screw Feeder*. The Feeder combines the principles of a rotating and vibrating screw with a counter rotating leveling screw to produce a moderately-priced feeder capable of metering a great variety of dry materials with an unusually high degree of accuracy. It has been tested successfully in both the performance laboratory and in actual field application on a large number of materials. A list of products and case history reports is available from the company.

---

RAYBESTOS-MANHATTAN, INC. brought more than 400 of its United States, Canadian and overseas executives together at Daytona Beach, Florida, December 4-10, 1968, for its first international sales conference to gain corporation-wide focus on its planning for new products, new markets, larger sales goals and expansion plans. Two days of the conference featured special programs at NASA's John F. Kennedy Space Center and at Daytona International Speedway to reflect the company's product role in the space and automotive industries, in addition to its traditional involvement in chemicals, plastics, rubbers, metals and asbestos applications.

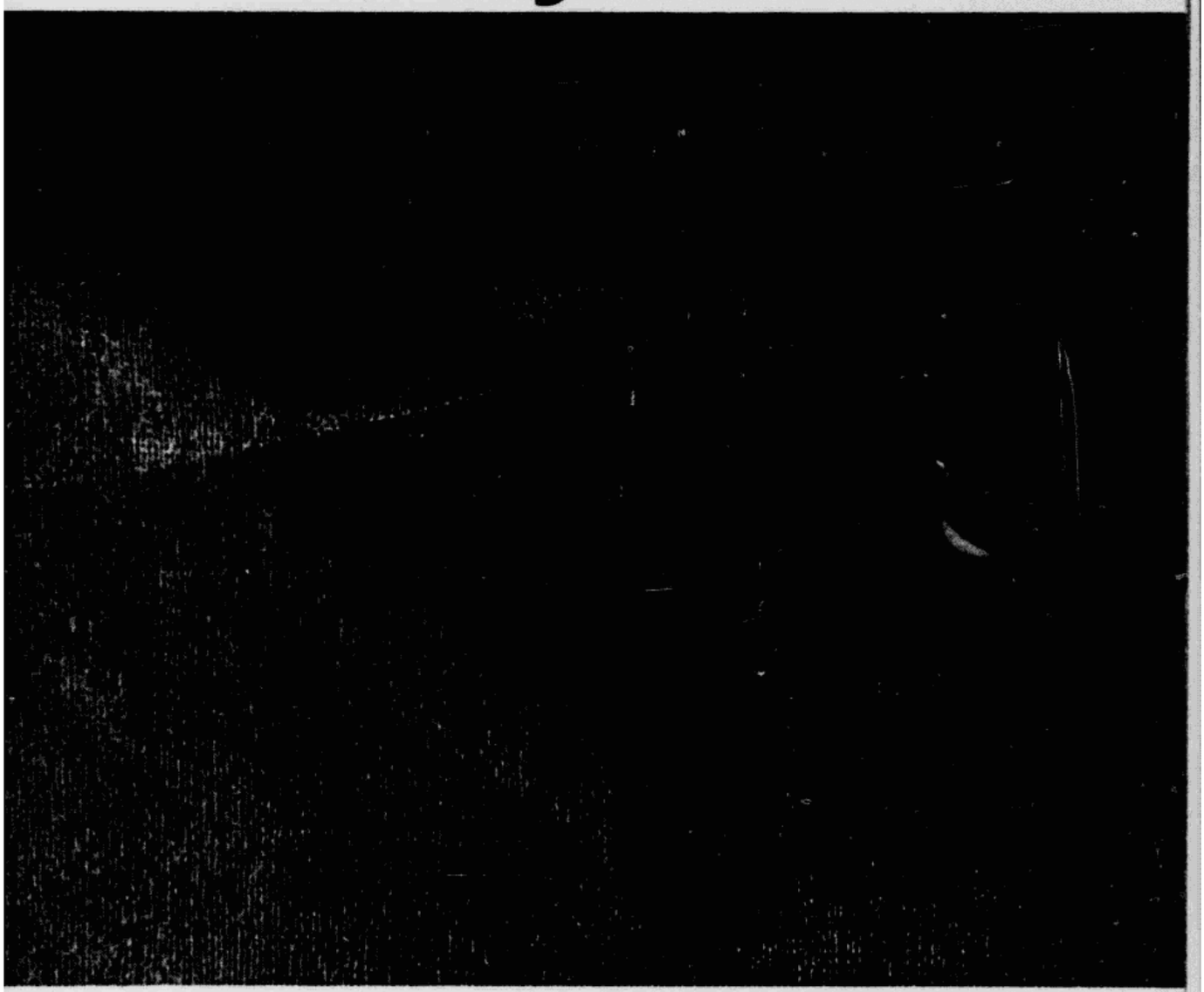
---

NOTE OF INTEREST—A piece of crude Amosite rock as big as the end of your finger will yield about three thousand million fibers which, if placed end to end, will stretch for about 20,000 miles.


Published by AsbestosClaims.Law
asbestosclaims.law/library/12622/26

UNIROYAL

# Asbeston is not like ordinary asbestos.



Asbeston® is ordinary asbestos, except that it's been spun and woven, brushed and calendered, to get a smoother, fuller fiber cover. It's stronger per pound, lighter per yard and easier to work with.

As yarn or fabric, Asbeston comes in the widest variety of weights and sizes for every application. For details, write: Uniroyal Fiber and Textile, 350 Columbia Road, Winnsboro, South Carolina 29180.

## Building

**From: McGraw-Hill Information Systems Company**

DECEMBER 1968—The value of December contracts for future construction was $4,542,895,000, up 11% from last December.

The Dodge Index (1957-1959=100) of total construction contract activity declined in December for the second month in a row. The Index for the final month of 1968 slipped to 179, following the sharp November break from October's record 200. The two-month decline in the seasonally adjusted Index puts the rate of contracting back approximately to where it was at mid-1968.

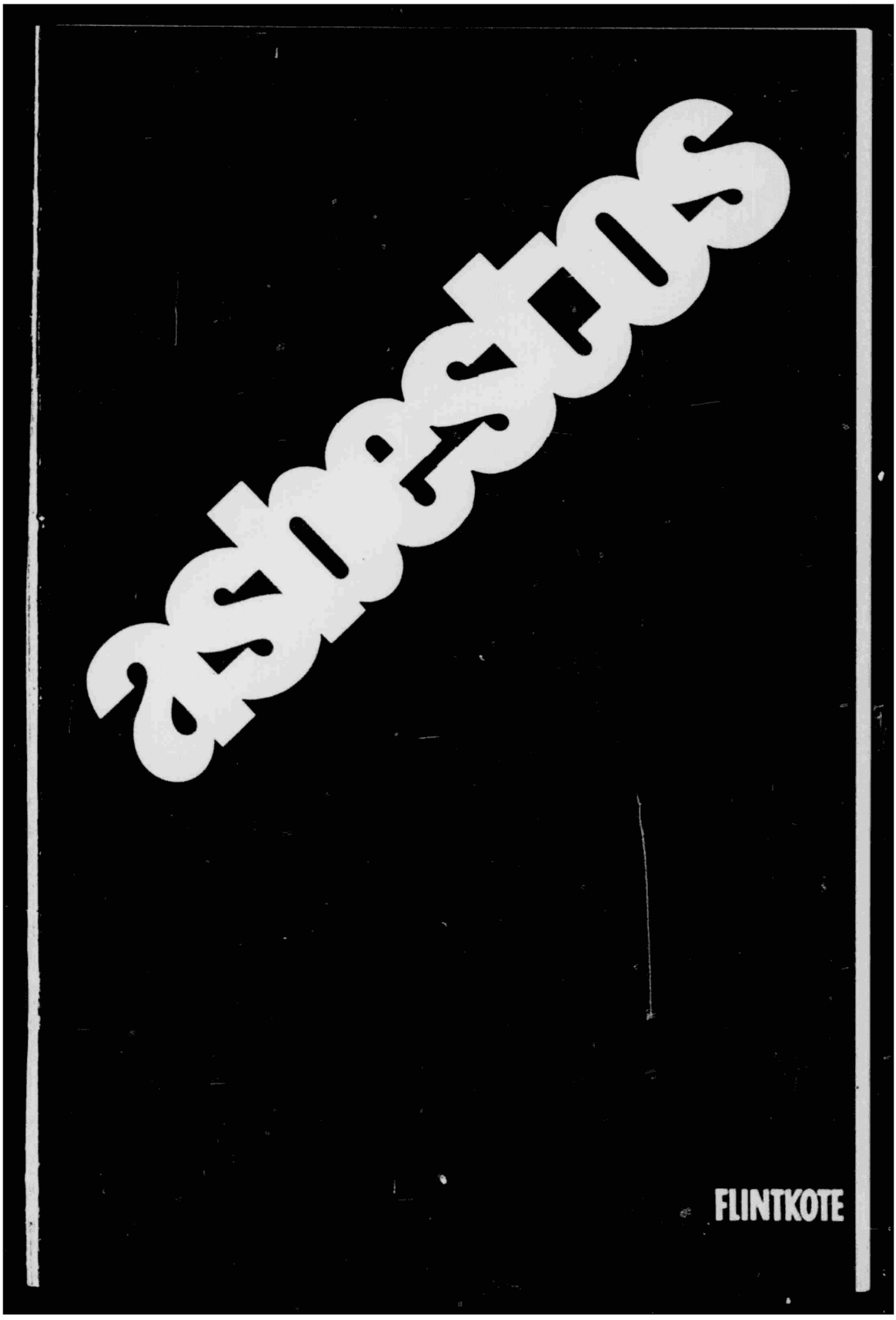
*Residential* building value ran 16% ahead of December 1967, with a total of $1,742,733,000. On a seasonally adjusted basis, one-family building at year-end was holding close to the level that has prevailed since last spring, but contracts for apartments fell sharply from their recent peak. The combination of these movements brought the residential index down 6% from the record high in November.

*Nonresidential* building contracts were valued at $1,849,490,000 in December and led the year-ago total by 19%. Commercial and industrial buildings were the strongest categories, with gains of 30% and 32% respectively. Two large projects — a $72 million office building in Rockefeller Center and a $100 million refinery, near Houston — figured heavily in the total.

*Nonbuilding* construction contract total was a mixture of highway cutbacks and utilities expansion. The total of $950,672,000 was 9% below the comparable year-ago amount as a sharp decline in road construction more than offset other gains, including contracts for a $178 million electric distribution network in northern New Jersey.

YEAR 1968—The total value of construction contracts for 1968 reached $61,731,831,000, a gain of 13% over the 1967 value of $54,514,340,000. The breakdown of this annual total is as follows: Residential Building, $24,837,545,000, up 17%; Nonresidential Building, $22,512,503,000, up 12%; and Nonbuilding Construction, $14,381,783,000, up 9%.


Published by AsbestosClaims.Law
asbestosclaims.law/library/12622/28


asbestos
FLINTKOTE

A SUPPLEMENT TO THE CODEN FOR PERIODICAL TITLES has been published by the American Society for Testing and Materials. This Supplement (DS 23A-S1) adds 27,000 new titles to the list of CODEN now in the ASTM system. The previously published CODEN (DS 23A) contains 39,000 titles. This Supplement, and the original publication, is a directory of unique, five-letter codes, or CODEN, for the titles of periodicals and serials. The CODEN are immediately useful in electronic computer memories of scientific retrieval systems since they reduce periodical titles, however long, to five letters. The CODEN system provides a standard code for maximum flexibility between periodical retrieval systems throughout the world by permitting the same code to be used in different collections for the same request.

DEFINITIONS OF THE BASE UNITS OF SI—New English-language definitions of the base units of the International System of Units (abbreviated SI for Systeme International) are now available as a result of recent actions by the Advisory Committee on Units (Comite Consultatif des Unites, C.C.U.) of the International Committee of Weights and Measures. The base units defined are meter (m), kilogram (kg), second (s), ampere (A), kelvin (K) and candela (cd). For further information, contact the National Bureau of Standards, Office of Technical Information and Publications, Room A500/101, Washington, D.C. 20234.


**"ASBESTOS BULLETIN"**

Keeps you abreast of all developments. Each issue contains over 100 abstracts relating to the manufacture of asbestos-based products. Special chapters on asbestos mining, asbestos-cement, friction and asbestos-reinforced plastics. Annual Subscription £11.10.0d; Back copies half-price.

**"ADVANCED MATERIALS"**
by C. Z. Carroll-Porczynski

This valuable new book deals with numerous new aero-space materials, including several chapters on asbestos and asbestos composites. About 1,000 references. Price £2.18.6d.

**ORDER FROM ASTEX PUBLISHING COMPANY**
**22/23 NORTH STREET, GUILDFORD, SURREY, ENGLAND**



Magnani Sheet Machines—

F. L. Smidth & Co. A/S

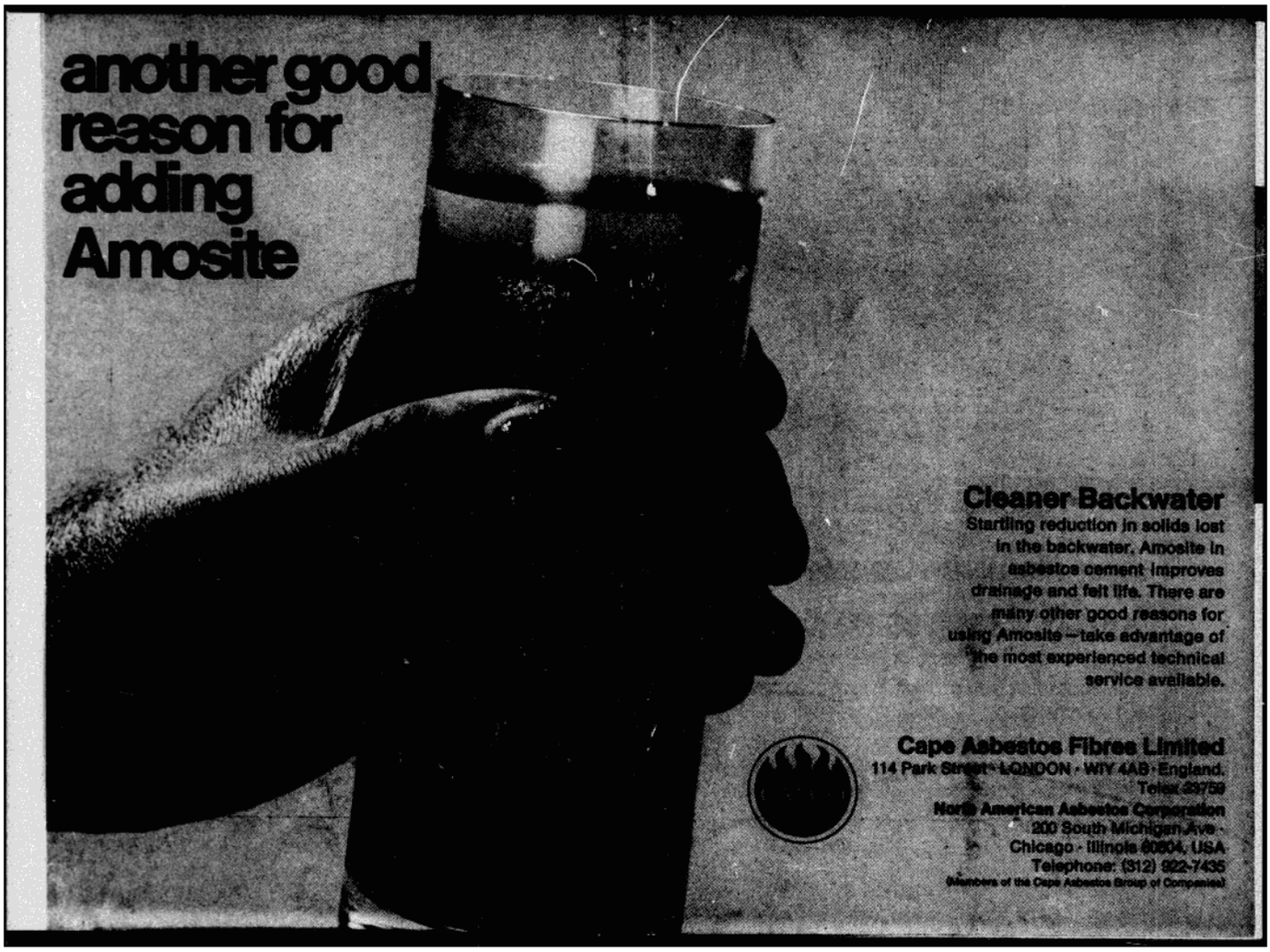
77, VIGERSLEV ALLE . COPENHAGEN-VALBY . DENMARK

ALL TYPES OF ASBESTOS CEMENT MACHINERY






Published by AsbestosClaims.Law
asbestosclaims.law/library/12622/31


another good reason for adding Amosite
Cleaner Backwater
Startling reduction in solids lost in the backwater. Amosite in asbestos cement improves drainage and felt life. There are many other good reasons for using Amosite—take advantage of the most experienced technical service available.
Cape Asbestos Fibres Limited
114 Park Street · LONDON · W1Y 4AB · England.
Telex 23759
North American Asbestos Corporation
200 South Michigan Ave.
Chicago · Illinois 60604, USA
Telephone: (312) 922-7435
(Members of the Cape Asbestos Group of Companies)

URALS ASBESTOS, by N. I. Korepin and G. P. Mel'nikov, has been announced by the *Institute for Asbestos Information* as "Asbestos Translation Series No. 5, 1968." This very informative booklet covers the development of the asbestos industry in Russia over the last 80 years and can be procured from the Institute or through ASBESTOS at a cost of $2.40 per copy.

MAICA, the Middle Atlantic Insulation Contractors Association, held its Fall Meeting at the Lakeview Country Club, Morgantown, West Virginia, last October. The NIMA-IDCNA Health Team presented a program on health and safety problems and detailed what the insulation-contractor industry faces from possible compensation claims and what should be done individually and collectively to reduce the hazards of the industry. The remainder of the meeting was devoted to general business and the election of officers, directors and committee chairmen.

**Producers and Exporters**

**of**

**SOUTH AFRICAN RAW ASBESTOS FIBRES**

**VALLEY ASBESTOS (PTY) LTD.**

**P. O. BOX 9131**

**VOLKSKAS BUILDING · 76 MARKET STREET**

**JOHANNESBURG — Republic of South Africa**

**We are represented in most European Countries, also in U.S.A., Japan and Far East.**

# VOITH



SM 968

Fully automatic
asbestos cement pipe lathes
up to

**1600 mm**

inside diameter

**J.M.VOITH A.G.**
**ST. POELTEN-AUSTRIA**

POB 168 TELEX 015 510 CABLE VOITHWERKE

U.S. BUREAU OF MINES' mineral industry health and safety functions have been reorganized to more effectively coordinate traditional Bureau programs in mine health and safety and related fields, and to prepare the Bureau for the assumption of even broader responsibilities. The Bureau has proposed the first federal health and safety standards ever developed for non-coal mines. When these standards become effective, the Bureau will be taking on major new responsibilities for the health and safety of some 200,000 workers at non-coal mines, both surface and underground. Additional aims of the reorganization are a sharper definition of research objectives in mine health and safety, and more efficient monitoring of progress toward those goals.

INFORMATION CIRCULAR 8381, *"Mineral Transportation Costs in the Pacific Northwest, Methodology and Application of a Statistical Analysis,"* has been published by the U.S. BUREAU OF MINES and is available at 30c per copy. This technical report analyzes transportation patterns and costs for mineral industries of the Pacific Northwest and describes the use of stratified random sampling to determine the total transportation costs, costs per ton-mile and average length of haul from mine to point of consumption.

"RAPID EXCAVATION: SIGNIFICANCE, NEEDS, OPPORTUNITIES" has been prepared by the National Academies of Sciences and Engineering for the U.S. Bureau of Mines and is available at $2.50 per copy. The report recommends a $200-million Government effort to promote new excavation methods that would save the land surface from mining operations and allow access to deep mineral deposits. This would, in turn, provide the possibility for further urban expansion. The Academies recommend a ten-year research program aimed toward faster and more economical underground excavation. Areas in which basic research is needed include tunneling through hard rock, underground materials handling, advance determination of underground geological conditions, ground support and measurement of stresses in underground rock formations.


Published by AsbestosClaims.Law
asbestosclaims.law/library/12622/35

# Asbestos in Marrakech.

We don't mean Marrakech, the Moroccan city famous for its beautiful tiles and mosaics.

We mean Marrakech, the J-M Vinylcraft® floor tile. As beautiful and exotic looking as the city it's named for.

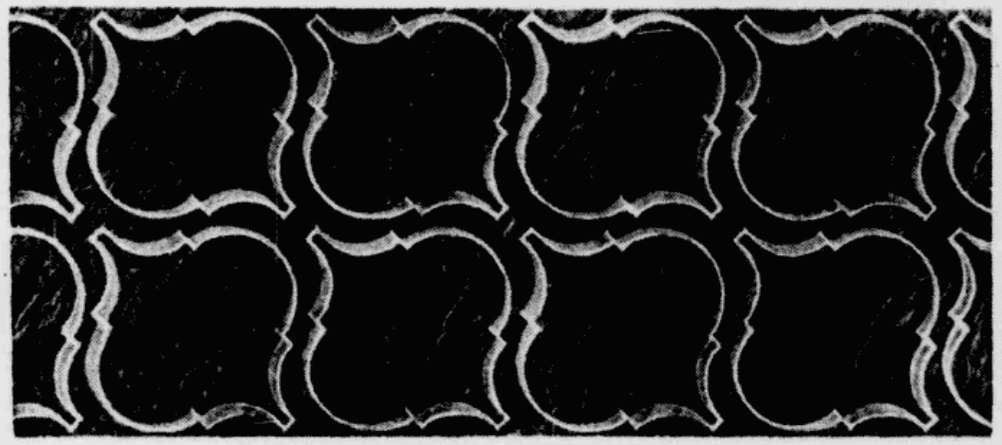
The reason you'll find our asbestos in Marrakech is pure and simple. When fortified with asbestos fibers, Vinylcraft tiles wear like—well, like asbestos. Even under the most challenging conditions.

J-M asbestos adds strength and fire-retardant qualities to many products for the home—siding, roofing, floor and ceiling tiles, to name just a few.

How can asbestos improve your products? We'd like to show you. Contact your local J-M representative. Or the Canadian Johns-Manville Co., Ltd., Box 1500, Asbestos, P.Q. Or Johns-Manville, Asbestos Fiber Sales, Manville, New Jersey, U.S.A.

JM

**Johns-Manville**







Published by AsbestosClaims.Law
asbestosclaims.law/library/12622/36

MINE EQUIPMENT LIST—A new listing of equipment approved by the *U.S. Bureau of Mines* for use in underground mining identifies and briefly describes all underground mining equipment, except explosives and respiratory protective devices, which met Bureau safety standards after rigid testing during a recent two-year period. Conventional drills, materials handling equipment, machines for continuous mining and pumps are listed. The changing character of mining is illustrated by the description of a seismic instrument for measuring small movements of the mine wall and a portable dictation machine. The report also lists manufacturers of flame-resistant electric power cables, conveyor belts and fire-resistant hydraulic fluids, recommended fuels for permissible flame safety lamps and names and addresses of manufacturers whose products were approved during the period 1965 to 1966. A single copy of this new report can be obtained without charge by requesting Information Circular 8372, "Permissible Mine Equipment Approved by the Bureau of Mines During 1965-66: A Supplement to Bulletin 543 and Information Circulars 8220 and 8299."


CABLE: SOTSEBSA

Exporters of

RAW ASBESTOS

ALL GRADES—ALL TYPES

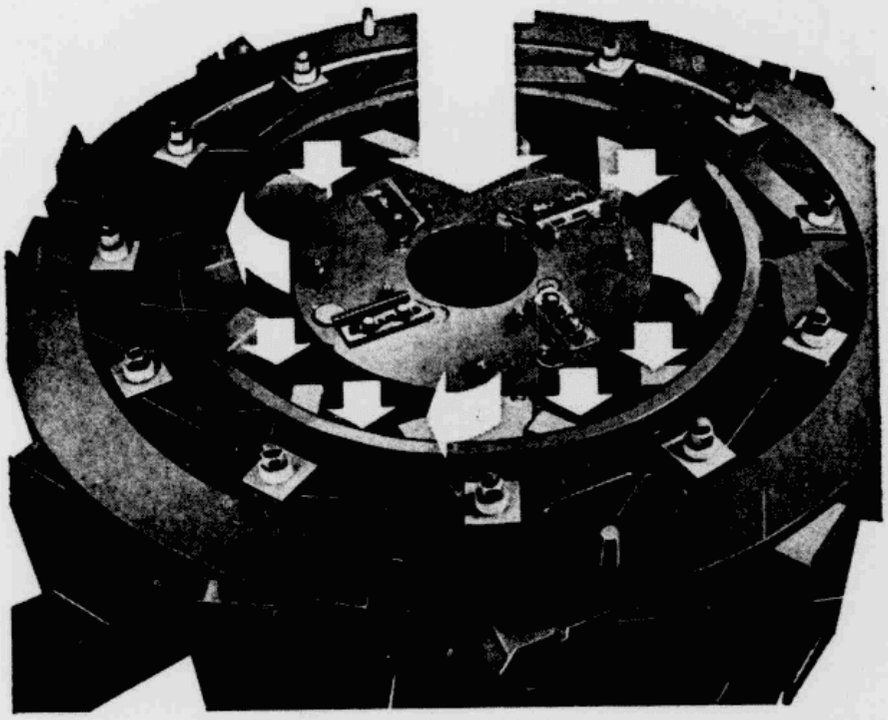
C. J. PETROW & COMPANY (PTY.) LTD

P. O. BOX 11000

SWISSCO HOUSE — 7 RISSIK STREET

JOHANNESBURG - SOUTH AFRICA

OFFICES ALSO IN: TOKYO (JAPAN); GENEVA (SWITZERLAND)



# Simplicity fibrizes longer, cleaner fibres faster with far fewer fines

Simplicity's D'CENTEGRATOR fibrizes so thoroughly, the longer fibres are not "dirtied". The break-up action is pictured above schematically (our asbestos fibrizers actually have 12 bars). On-the-job performance also indicates a higher recovery rate and lower percent of fines. Both lower initial and maintenance cost make this 60 t.p.h. unit (2" cubical feed) an outstanding producer. Write or call about a test.



Model 24
Asbestos
D'CENTEGRATOR

Simplicity
ENGINEERING COMPANY
Dept. 18, Durand, Michigan

Dealers and licensees throughout the world.

OTHER MINING EQUIPMENT: Vibrating Screens, Feeders, Grizzly Feeders, Scalpers, Crushers and Conveyors. 48R




Published by AsbestosClaims.Law
asbestosclaims.law/library/12622/38

BACKGROUND NOTES ON THE COUNTRIES OF THE WORLD are short, factual pamphlets about various countries and territories. The Notes have been written by the U.S. Department of State and were edited and published by the U.S. Bureau of Public Affairs. Each Background Note includes information on a specific country's people, history, land, government, political conditions, economy and foreign relations. A map is also included and usually a brief bibliography. A complete set is obtainable from the Superintendent of Documents, Government Printing Office, Washington, D.C. 20402, for $6.00, plus $1.50 for foreign mailing. A binder for the set of Notes is $1.50, plus 40c for foreign mailing. Revised and new Background Notes are available through a subscription service at a cost of $3.50 per year, plus $3.00 for foreign mailing.

---

NBS NO. 1002b, a renewal of the *Surface Flammability Standard Material*, has been issued as a material of prescribed flammability to provide an overall check of the installation and test procedures used with the radiant panel test apparatus (ASTM Standard Method of Test for Surface Flammability of Materials Using a Radiant Energy Heat Source, E-162). NBS No. 1002b has a flame spread index of 210 and may be used for all applications for which its predecessor, NBS 1002a (now out of stock) was suitable.

The standard material is a representative sample from a uniform lot of tempered, fibrous-felted hardboard with one smooth side. A certificate is supplied which lists the values of flame spread index and heat evolution factor together with the measured coefficients of variation.

A set of four specimens, 6 x 18 inches in dimensions, of this new surface flammability standard, NBS No. 1002b, together with its accompanying certificate, is sold as a unit for $30.00 and may be obtained from the Office of Standard Reference Materials, Room B308, Chemistry Building, National Bureau of Standards, Washington, D.C. 20234.


Published by AsbestosClaims.Law
asbestosclaims.law/library/12622/39

# ASBESTOS SHORTS

## HIGH-BULKING, EASILY DISPERSED FOR ROOF COATINGS

Because our ASBESTOS SHORTS are "clean", they disperse rapidly in asphalt and other materials . . . save you production time.

## GRIT- AND WHISKER-FREE FOR SPRAYED UNDERCOATINGS

Careful quality control ensures that our ASBESTOS SHORTS are free of grit and other minute particles that clog spray equipment.

If you reinforce polyester molding compounds, try our 7T SHORTS. They disperse well and have low resin demand. For more information or for test samples of our fibres, write to: Lake Asbestos of Quebec, Ltd., Black Lake, Quebec, Canada.

### SALES AGENTS

ARGENTINA, Buenos Aires
"Insud" Cia. Sudamericana de Industria y Comercio S.A.

BRAZIL, Rio de Janeiro
Sao Paulo "Brasimet" Comercio e Industria S.A.

CALIFORNIA, Los Angeles
E. B. Taylor Company

CALIFORNIA, San Francisco
E. M. Walls Company

CANADA, Montreal
Federated Metals Canada, Ltd.

CANADA, Toronto
Federated Metals Canada, Ltd.

COLOMBIA, Barranquilla
Holanda, Colombia, S.A.

COLORADO, Denver
Van Waters & Rogers, Inc.

FLORIDA, Largo
Gulf Coast Chemical Corporation

ILLINOIS, Chicago
Jensen-Souders and Assoc., Inc.

MASSACHUSETTS, Allston
D. H. Litter & Co., Inc.

MEXICO, Mexico City
Asarco Mexicana, S.A.

MICHIGAN, Detroit
Baker & Collinson

MINNESOTA, Minneapolis
Industrial Chemical & Equipment Co.

MISSOURI, St. Louis
Harry A. Baumstark & Company

NEW YORK, Buffalo
Buffalo Solvents & Chemicals Corp.

NEW YORK, New York
D. H. Litter & Co., Inc.

OHIO, Cleveland
A. C. Mueller Co., Inc.

OREGON, Portland
Van Waters & Rogers, Inc.

PENNSYLVANIA, Conshohocken
Van Horn, Metz & Co., Inc.

UTAH, Salt Lake City
Van Waters & Rogers, Inc.

WASHINGTON, Seattle
Van Waters & Rogers, Inc.



ASARCO

A subsidiary of American Smelting and Refining Company


Published by AsbestosClaims.Law
asbestosclaims.law/library/12622/40

# IMPORTS - EXPORTS

## Imports Into U.S.A.

**(Figures from U.S. Bureau of the Census)**

Short Tons

| *Unmanufactured Asbestos:* | SEP 1968 | OCT 1968 |
|---|---|---|
| Amosite, South Africa | 1,063 | 2,164 |
| Crocidolite (Blue), Bolivia | 1 | .. |
| South Africa | 1,135 | 1,784 |
| Chrysotile, Crude, Canada | 1 | .. |
| Finland | .. | 72 |
| Italy | .. | 2 |
| Mozambique | 30 | .. |
| South Africa | 415 | 871 |
| Chrysotile, Spinning Fibers, Canada | 1,006 | 1,379 |
| Chrysotile, Other Fibers, Canada | 63,223 | 54,913 |
| Panama | .. | 54 |
| South Africa | 75 | 89 |
| Asbestos, Other, Canada | 4,817 | 2,609 |
| Finland | 490 | 295 |
| South Africa | .. | 2 |
| | 72,256 | 64,234 |

September 1968—valued at $7,898,634

October 1968—valued at $6,499,148

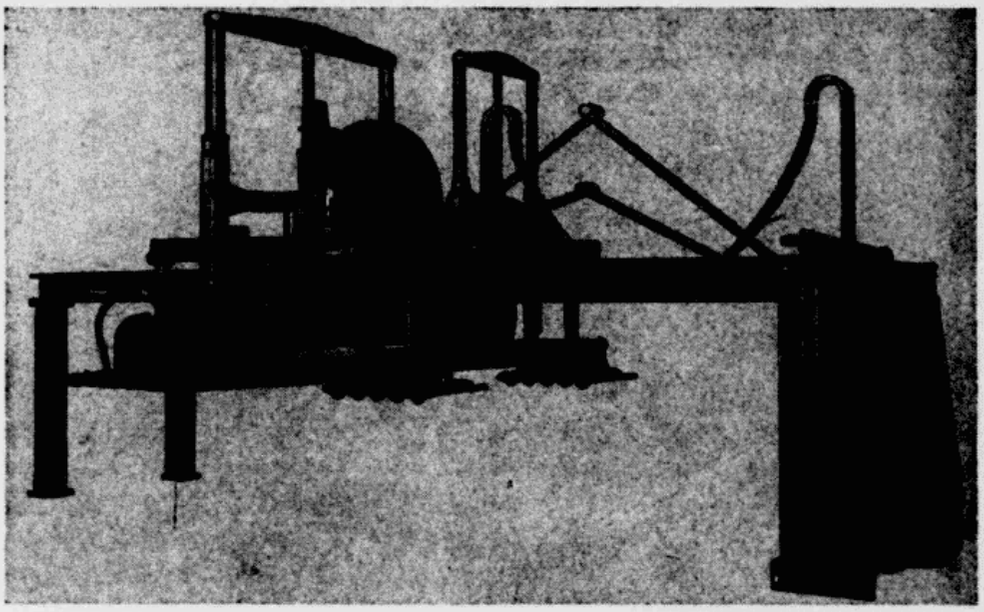
| *Manufactured Asbestos Goods:* | | SEPTEMBER 1968 | |
|---|---|---|---|
| Asbestos Yarn, Slivers, etc. | Lb | 128,026 | $ 117,862 |
| A-C Pipes, Tubes & Fittings | Lb | 6,847,270 | 291,946 |
| Asbestos-Cement Articles, Other | Lb | 2,365,411 | 287,321 |
| Asbestos Articles, Other | | .. | 107,204 |
| | | | $ 804,333 |
| | | **OCTOBER 1968** | |
| Asbestos Yarn, Slivers, etc. | Lb | 127,673 | $ 85,923 |
| A-C Pipes, Tubes & Fittings | Lb | 5,406,341 | 238,611 |
| Asbestos-Cement Articles, Other | Lb | 1,546,679 | 214,769 |
| Asbestos Articles, Other | | .. | 82,133 |
| | | | $ 621,436 |

**Australia**—According to the Commonwealth Bureau of Census and Statistics, Canberra, 31,708 short tons of asbestos, valued at $3,946,000, were imported from January through June 1968. The figure for the same period in 1967 was 23,602 tons, valued at $2,922,000.


Published by AsbestosClaims.Law
asbestosclaims.law/library/12622/41

# 50 years of experience in the field of

## MACHINERY and PLANTS for AS-BESTOS–CEMENT PIPES and PLATES



**RIVA CALZONI S.p.A.**

**Company's Capital Lit. 3.000.000.000**

**Stabilimento CALZONI**
Via Emilia Ponente, 72
Bologna (Italy)
Telex 51156—Calzoni
Telephone 384.631

CALZONI







Published by AsbestosClaims.Law
asbestosclaims.law/library/12622/42

## Exports From U.S.A.

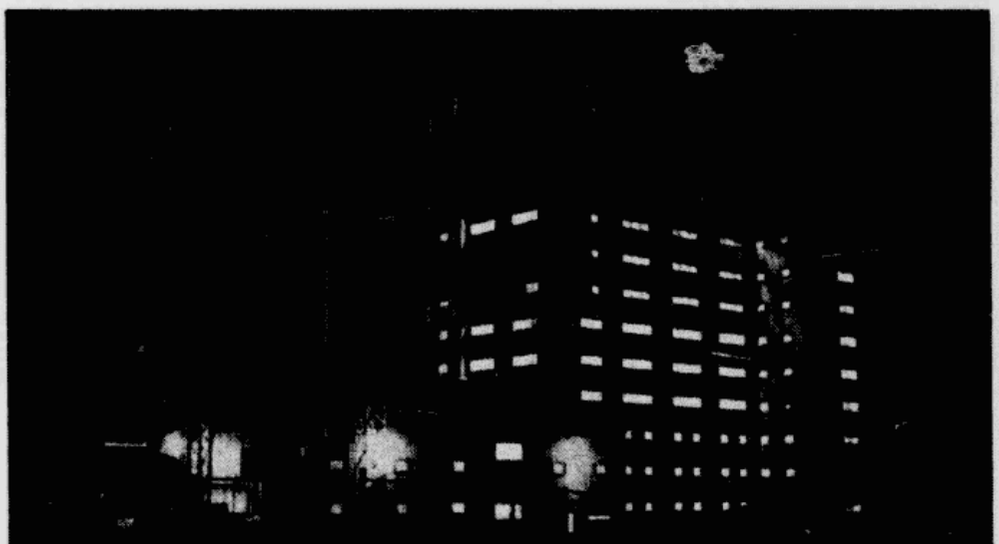
**(Figures from U.S. Bureau of the Census)**

| *Unmanufactured Asbestos:* | | SEPTEMBER 1968 | |
|---|---|---|---|
| Crude & Spinning Fibers | s.tons | 97 | $ 23,808 |
| Non-Spinning Fibers | s.tons | 1,177 | 142,727 |
| Waste & Refuse | s.tons | 3,015 | 294,538 |
| | | 4,289 | $ 461,073 |
| *Manufactured Asbestos Goods:* | | | |
| A-C Shingles & Clapboard | Lb | 2,001,607 | $ 236,185 |
| Other A-C Articles | Lb | 1,210,685 | 174,184 |
| Gaskets & Packing | Lb | 564,039 | 564.278 |
| Textiles & Yarns | Lb | 565,322 | 135,698 |
| Mfrs. other than Friction Materials | | .. | 414,967 |
| Clutch Facings & Linings for auto. use | No | 245,579 | 122,352 |
| Clutch Facings & Linings, Other | No | 62.603 | 29.384 |
| Brake Linings for automotive use | Lb | 779,608 | 443,241 |
| Brake Linings, Other | Lb | 131,359 | 130,099 |
| | | | $2,250,388 |

| *Unmanufactured Asbestos:* | | OCTOBER 1968 | |
|---|---|---|---|
| Crude & Spinning Fibers | s.tons | 88 | $ 19,913 |
| Non-Spinning Fibers | s.tons | 1,618 | 240,622 |
| Waste & Refuse | s.tons | 2,370 | 243,318 |
| | | 4,076 | $ 503,853 |
| *Manufactured Asbestos Goods:* | | | |
| A-C Shingles & Clapboard | Lb | 605,074 | $ 69,113 |
| Other A-C Articles | Lb | 1,337,071 | 191,207 |
| Gaskets & Packing | Lb | 420,952 | 613,363 |
| Textiles & Yarns | Lb | 774,329 | 170,583 |
| Mfrs. other than Friction Materials | | .. | 525,572 |
| Clutch Facings & Linings for auto. use | No | 250,410 | 157,871 |
| Clutch Facings & Linings, Other | No | 143,911 | 43,165 |
| Brake Linings for automotive use | Lb | 616,606 | 330,483 |
| Brake Linings, Other | Lb | 126,594 | 108,396 |
| | | | $11,989,708 |

**World Mineral Production in 1967**—According to the annual Mineral Industry Survey issued by the U.S. Bureau of Mines, total world mineral production continued its upward trend and reached a new high in 1967. Excluding a negligible amount from Czechoslovakia, Ethiopia, Malagasy, North Korea and Rumania, 2,992,000 metric tons of asbestos were produced during the year. The Free World accounted for 69.3% of this production.


Published by AsbestosClaims.Law
asbestosclaims.law/library/12622/43



# Carey-Canadian Asbestos

■ Grit-Free ■ High Fibre Value ■
Uniform Fibre Length ■ Unusual
Whiteness ■ Low Iron Content

Uniform, car after car, the result of quality control . . . the prime responsibility of over 40 of the skilled staff at our fully automated asbestos mill.

Round the World Service

Carey-Canadian Mines, Ltd.
P.O. Box 15070, Lockland
Cincinnati, Ohio 45215

Carey




Published by AsbestosClaims.Law
asbestosclaims.law/library/12622/44

## Exports From Canada

**(Published by Dominion Bureau of Statistics)** **OCTOBER 1968**

*Unmanufactured Asbestos:*

Short Tons

| | Crude | Milled Gp 3 | Milled Gp 4&5 | Shorts Gp 6-9 |
|---|---|---|---|---|
| United States | 10 | 1,499 | 14,911 | 42,661 |
| United Kingdom | .. | 350 | 4,326 | 4,249 |
| South America | .. | 52 | 6,099 | 1,690 |
| Central America & Mexico | .. | 25 | 2,620 | 186 |
| Europe | 5 | 530 | 32,574 | 14,552 |
| Japan | 5 | 191 | 2,788 | 6,501 |
| Other Countries | .. | 135 | 6,474 | 2,623 |
| | 20 | 2,782 | 69,792 | 72,462 |

Total unmanufactured asbestos, 145,056 tons, valued at $18,912,000.

*Manufactured Asbestos Goods:*

| | |
|---|---|
| Asbestos Brake Linings & Facings | $ 119,000 |
| Asbestos-Cement Building Materials | 193,000 |
| Asbestos Basic Products, Other | 48,000 |
| | $ 360,000 |

---

**Mineral Exploration 1966** is a Statistical Bulletin which has just been issued by the Commonwealth Bureau of Census and Statistics, Canberra, Australia. This bulletin is the second of an annual series containing statistics of exploration for minerals in Australia. The information is derived from the annual Mineral Exploration Census which is carried out by the Bureau in association with State Mines Departments.

---

### PREPRINTS—1967 U.S. BUREAU OF MINES MINERALS YEARBOOK

**The Mineral Industry of Yugoslavia** (10c) — Mineral output was valued at about $640 million and the mineral industry contributed about 9% to the gross national product. Preliminary figures indicate that 9,021 metric tons of asbestos fiber were produced in 1967. During 1966, exports reached 1,723 metric tons and imports were 13,376 metric tons.

The Korlace Asbestos Mine, near Raska, in Serbia, was being modernized in 1967 and by the end of the year, the drying plant in the beneficiation complex was completed. Facilities at the asbestos mine at Bosansko Petrovo Selo, near Tuzla, in Bosnia, were also undergoing expansion.


Published by AsbestosClaims.Law
asbestosclaims.law/library/12622/45



# Cheaper. Costs Less.

**When it comes to buying respiratory protection it's not a question of health. It's only money. A cheap, strapped-on, lung-powered respirator will probably stop all the contaminants you're worried about. In fact, it stops so much it soon clogs up — if the gasping wearer doesn't rip it off first. The Rite Whitecap Helmet system uses an electrically powered centrifugal filter to spin off contaminants. No clog-up. Your filter replacement cost drops to almost nothing. More important, your lost man-hours drop too, because a worker won't "forget" to wear his Whitecap helmet. It's light. It's comfortable. It protects eyes, face and head as well as lungs. Write or phone for complete information on Whitecap Helmet systems.**

RITE WHITECAP

RITE HARDWARE MFG. CO
P.O. Box 800, Glendale, CA 91209

Telephone: (213) 245-1746



*Asbestos Magazine, 1969, February 1969*
ACL Doc 12622 · Page 46 of 62
Published by AsbestosClaims.Law
asbestosclaims.law/library/12622/46

# INDUSTRY NEWS

## HAPPY BIRTHDAY

David F. Calliari, Treasurer & Chief Financial Officer, Raybestos-Manhattan, Inc., Bridgeport, Connecticut, February 15.

Elmo A. DiSalvo, Vice President—Manufacturing, Philip Carey Corporation, Cincinnati, Ohio, February 16.

Donald E. Trimble, Treasurer, The Flintkote Company, New York City, February 18.

E. R. E. Carter, President, Advocate Mines Limited, Toronto, Ontario, Canada, February 20.

Robert Sanderson, President, Acme Asbestos Limited, Vancouver, British Columbia, Canada, February 21.

George W. Smith, Director, Bell Asbestos Mines Ltd., Thetford Mines, Quebec, Canada, February 22.

Robert E. Cryor, President & Treasurer, North American Asbestos Corporation, Chicago, Illinois, February 23.

Dr. D. B. Wicker, Assistant Vice President—Marketing & Development, Huyck Corporation, Stamford, Connecticut, February 24.

Dr. Morris Lieff, Technical Consultant, Smith & Kanzler Company, Linden, New Jersey, February 25.

W. H. Foster, Manager, Engineering, Asbestos Corporation Limited, Thetford Mines, Quebec, Canada, February 27.

J. L. Rainey, Vice President, American Asbestos Textile Corporation, Norristown, Pennsylvania, March 1.

Carl H. Thede, General Sales Manager for Building Products, GAF Corporation, New York City, March 1.

George W. Behnke, President, Simplicity Engineering Company, Durand, Michigan, March 3.

Robert S. Coleman, Vice President, National Asbestos Mines Limited, Thetford Mines, Quebec, Canada, March 3.

Gordon H. Gibbs, Mining Engineer, Willowdale, Ontario, Canada, March 3.

John H. Matthews, Director, Raybestos-Manhattan, Inc., Passaic, New Jersey, March 3.

W. J. W. Smith, Director, Vice President & Sales Manager, Bell Asbestos Mines Ltd., Thetford Mines, Quebec, Canada, March 3.

Kempton Dunn, Vice Chairman, Illinois Central Industries, Inc., Chicago, Illinois, March 5.

James R. Allen, General Manager, Dutch Brand Division, Johns-Manville Corporation, New York City, March 6.

Leonard L. Hank, Senior Vice President—Operations, National Gypsum Company, Buffalo, New York, March 7.

William G. Brinker, President, The Clark Asbestos Company, Cleveland, Ohio, March 8.

William A. Sussman, President, The Sussman Asbestos Company, Toledo, Ohio, March 8.


Published by AsbestosClaims.Law
asbestosclaims.law/library/12622/47

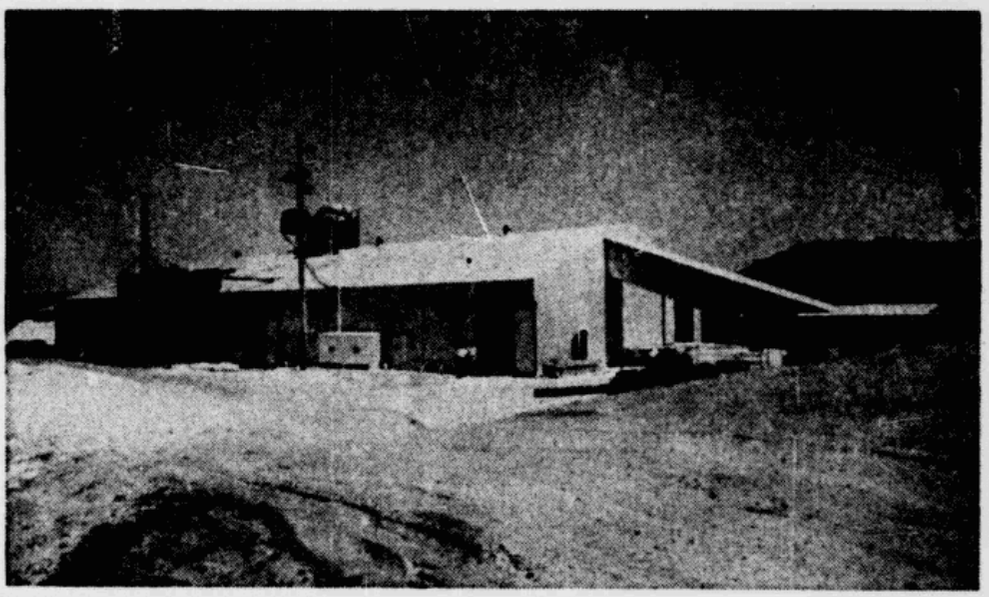
# ARIZONA ASBESTOS

Mined and Milled by

## JAQUAYS ASBESTOS CORPORATION

**1219 S. 19th Avenue**

**PHOENIX, ARIZONA**



Producers of Soft, Low Iron, White Chrysotile
Crudes and Filter Fibre

**MINES AND MILL IN GILA COUNTY**

Paul C. Nikitovich, Director for Latin America and Special Assistant to General Manager, Johns-Manville Corporation, New York City, March 9.

M. P. Carson, Vice President—Sales, Asbestos Corporation Limited, Thetford Mines, Quebec, Canada, March 10.

Haydn S. Wood, Secretary, Philadelphia Asbestos Corporation, Philadelphia, Pennsylvania, March 11.

George R. Vila, Chairman & President, Uniroyal, Inc., New York City, March 12.

Colin S. Hoyes, Works Manager, Wunderlich Limited, Brisbane, Queensland, Australia, March 14.

William A. Kamke, Secretary & Treasurer, The Sussman Asbestos Company, Toledo, Ohio, March 14.

B. M. Ryan, Purchasing Agent, Asbestos Products, Inc., St. Paul, Minnesota, March 14.

**To all these gentlemen we extend congratulations and best wishes on the occasion of their birthdays.**

---

**Drying Operations in the Quebec Asbestos Industry** was the topic discussed at the October 1968 meeting of the Thetford Mines Branch of the Canadian Institute of Mining and Metallurgy. Five speakers described their own operations and represented a cross-section of the Industry. The companies represented were Asbestos Corporation Limited, Bell Asbestos Mines Ltd., Canadian Johns-Manville Company Limited, Carey-Canadian Mines Limited, and Lake Asbestos of Quebec Limited.


JAMES united steel limited

**HALL MACHINERY DIVISION**

124 Des Grandes Fourches South

SHERBROOKE, QUEBEC, CANADA

---

*Designers and Manufacturers*

*of*

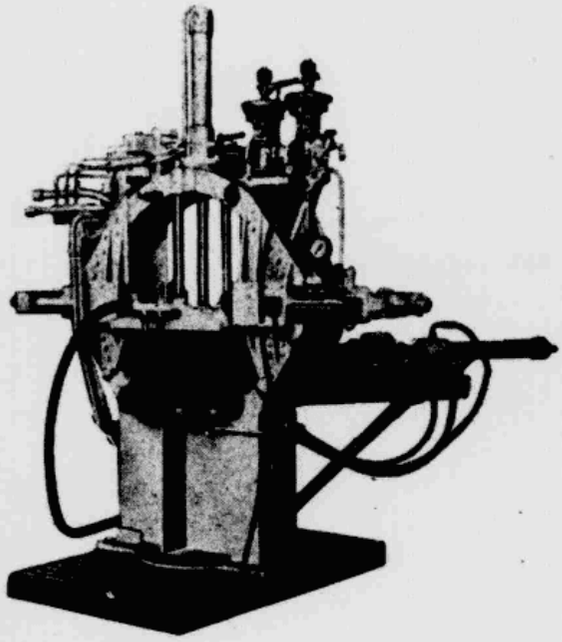
**Screens, Aspirators, Fiberizers, Willows,**
**Dusters, Graders, Mixers, Pressure Packers,**
**Samplers, Weigh Hoppers, Bag Tilters**



MACHINERY FOR MANUFACTURING
ASBESTOS - CEMENT ARTICLES

The
"RING®"
(AIR - FLOW)

AN AUTOMATIC MACHINE
FOR MANUFACTURING
PIPE FITTINGS
ACCORDING TO THE
INJECTION PROCESS



ISPRA s. p. a. MILANO - ITALY
VIA GALILEI 19 - 20037 - PADERNO D.
CABLE: ISPRA PADERNODUGNANO
TEL. 9181371 - 9181372 - TELEX 32688





Published by AsbestosClaims.Law
asbestosclaims.law/library/12622/50

**H. K. Porter Company, Inc.**, Pittsburgh, Pennsylvania, has completed its offer to purchase all of the mortgage and lien indebtedness of *Pacific Asbestos Corporation,* from the various holders of the indebtedness. Pacific Asbestos has an asbestos ore reserve near Copperopolis, California.

**Golden Gate Explorations Limited** will resume diamond drilling on its 42-claim asbestos property near Haines Junction, Yukon, Canada. The property has attracted considerable attention in the past and the company feels that any increase in estimated reserves will constitute an important step toward production. (Northern Miner)

**Msauli Asbes Beperk,** Johannesburg, South Africa, has submitted the following estimated consolidated report for the *third quarter of 1968:* 5,876 short tons of fiber were produced, R395,274 worth of fiber was sold, and the capital expenditure on the new mill was R266,265.

The company has announced it will increase the prices of its Chrysotile asbestos fiber approximately 6%, effective January 1, 1969.

**The General Company for Mineral Prospecting and Exploitation S.A.** (a subsidiary of *Hellenic Industrial Development Bank*) has prepared a survey on the proved and probable mineral deposits in Greece. Included is a survey on asbestos which states that the annual requirement in 1967 (5,500 tons) was covered entirely by imports valued at $1 million. Within the next five years, the requirement is expected to triple. If the Bank begins operating the Kozani mine, the production from this mine would satisfy 50% of the demand.

**Abitibi Asbestos Mining Company Limited** has a half-interest with Shields Minerals Corporation in a limited partnership which owns an asbestos property near Amos, Northwestern Quebec, Canada. Drilling totalling 24,124 feet in 33 holes has been completed and the results, based on recovery of fiber by milling of drill core by the Quebec government, indicated 55 million tons to a depth of 800 feet. To supplement the drill information, a bulk sampling program is planned for early this year and a 50% representative sample will be sent to the testing facilities of the Quebec government. A final profitability study will be prepared


Published by AsbestosClaims.Law
asbestosclaims.law/library/12622/51

# HUXLEY DEVELOPMENT CORPORATION

## Suppliers of Raw Asbestos



*OVER TWENTY YEARS OF SERVICE*
*to the*
*ASBESTOS INDUSTRY*



**TEL: 212 LT 1-0660**
**CABLES: WESTOFF**
**TELEX: 420195**

**TIME & LIFE BUILDING**
**ROCKEFELLER CENTER**
**NEW YORK, N. Y. 10020**





Published by AsbestosClaims.Law
asbestosclaims.law/library/12622/52

# PERSONNEL NEWS

## ABEX CORPORATION

*W. T. Kelly, Jr.,* Chairman and Chief Executive Officer, succeeding *Kempton Dunn* who became Vice Chairman of Illinois Central Industries, Inc. effective with the recent merger of Abex and ICI; *T. W. Russell, Jr.,* President; *William D. Raddatz,* President, Amsco Division, succeeding *Gilfry Ward* who will continue as a consultant.

## ASBESTOS CORPORATION LIMITED

*L. O. Montpetit,* Assistant to the President.

## NATIONAL GYPSUM COMPANY

*Darwin Tucker,* Director; *Andrew L. Lewis, Jr.,* Vice President and Assistant to the Corporate Board Chairman; and *J. William Duncan,* Vice President-Corporate Development.

## RAYBESTOS-MANHATTAN, INC.

*W. S. Simpson,* Chairman of the Board (is also President and Chief Executive Officer); *David F. Calliari,* Treasurer and Chief Financial Officer to fill the vacancy created by the retirement of *W. H. White,* the former Treasurer; *David E. Gow,* Manager of Corporate Replacement Sales; *David E. Cunningham,* Sales Manager-Replacement Products, Raybestos Division; *Carl W. Sachs,* Sales Manager, Grey-Rock Division; *B. W. Luttenberger, Jr.,* Manager, Plastic Products Division; *Kenneth Gainer,* Product Manager, Equipment Sales Division; and *Kenneth E. Brown, Sr.,* Manager of Production Engineering.

## SIMPLICITY ENGINEERING COMPANY

*Robert L. Pierce,* Executive Vice President and General Manager.

## TURNER & NEWALL LIMITED

*D. W. Hills,* Chairman, Turner Brothers Asbestos Company Limited (is also Managing Director of that company); *J. K. Shepherd,* Managing Director, Turners Asbestos Cement Company Limited; *A. H. Wailes,* Research Director of T.A.C.; *L. D. Norton,* Works Director of T.A.C.; *B. G. Hill,* Joint Managing Director, Ferodo Limited; *P. W. C. Griffith,* Director of Turner & Newall Limited (is Chairman and Joint Managing Director of Engineering Components Limited); *H. D. S. Hardie,* Chairman, Newalls Insulation and Chemical Company and Stillite Products; *S. Gibbs,* Director of Newalls and Stillite.

## UNIROYAL, INC.

*Edmund G. Dunn,* Advertising Manager for Industrial Products; *Donald W. Search,* Advertising and Sales Promotion Manager for Fiber and Textile Products and Home Furnishings.

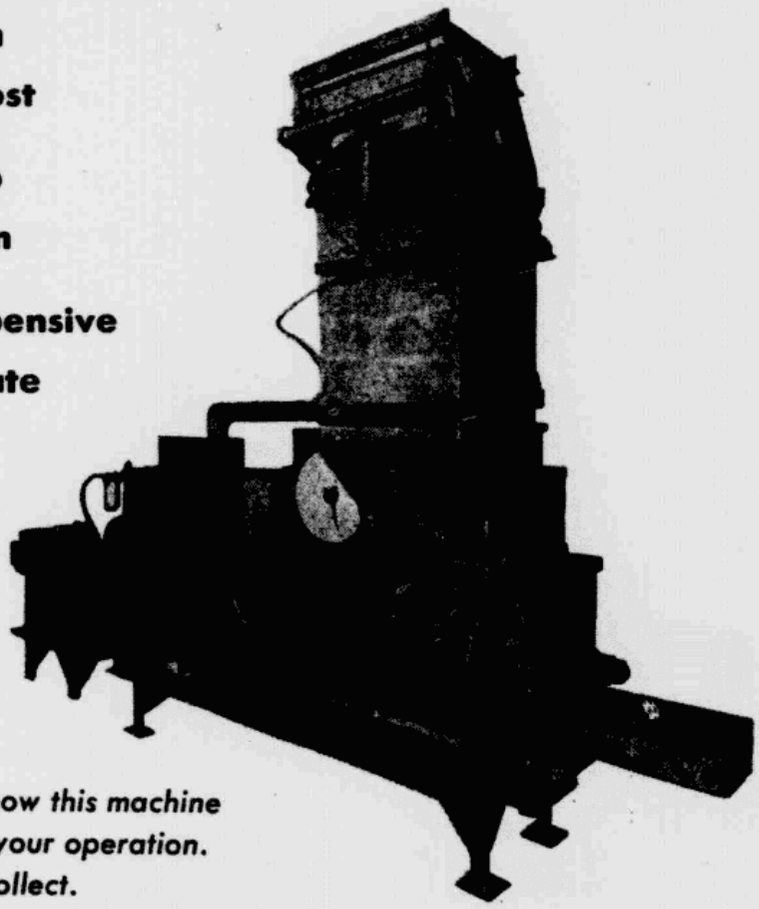

Published by AsbestosClaims.Law
asbestosclaims.law/library/12622/53

*Introducing the 80 ton*

# PORTCO PACKER

After three years of use at Pacific Asbestos Corp., Copperopolis, California, this new asbestos packer has proved to be:

- **Lower in initial cost**
- **Easier to maintain**
- **Less expensive to operate**



*Let us show you how this machine can cut costs for your operation. Write or phone collect.*

## C and W MACHINE WORKS

**13015 SE PHEASANT COURT**
**PORTLAND, OREGON 97222**
**Phone (503) 654-2024**

Patents: 2,780,987; 3,408,927. More than 20 years experience building machinery and packers for the fiber products industries!




Published by AsbestosClaims.Law
asbestosclaims.law/library/12622/54

**U.S. Documents**—The following reports are available at $3.00 per paper copy and 65c per microfiche from the Clearinghouse, U.S. Department of Commerce, Springfield, Virginia 22151:

AD-676 230—Aircraft Noise Evaluation, by W. C. Sperry;

N68-33266—Noise Reduction Shape Factors in the Low-Frequency Range, by J. R. Bailey and F. D. Hart;

NASA SP-5056—Application of Biogeochemistry to Mineral Prospecting, prepared by Dr. M. A. Rommell, et al;

NBS SP-297—52nd National Conference on Weights and Measures 1967, by R. L. Koeser;

PB-179-352—Friction Braking Systems, Report Number 6 of the San Francisco Bay Area Rapid Transit District Demonstration Project, prepared by Parsons Brinckerhoff, Tudor, Bechtel, General Engineering Consultants;

PB-179 712—An Investigation of Used Car Safety (Final Report), Volume I, Summary and Program Plan, by H. Eisner, et al;


**Get out of the "Hot Stove League"!**



**Tough G·P·M**
**Works Anytime You Work!**

No lost time this winter . . . GPM is applied in any weather—as cold as 10° below!
No danger in application . . . GPM is non-toxic and completely non-flammable in its wet state.
Tests far above desired standards when dry.

*GPM gives outstanding performance . . . from the day it's applied and for many years. This tough mastic is 182% tougher than any other . . AFTER WEATHERING*

**Everybody profits with G·P·M**

SEALFAS G·P·M
foster

**BENJAMIN FOSTER COMPANY** Div. Amchem Products, Inc., Ambler, Pa. 19002

Leading mills all over the world operate with

# 100% Synthetic Geschmay Felts

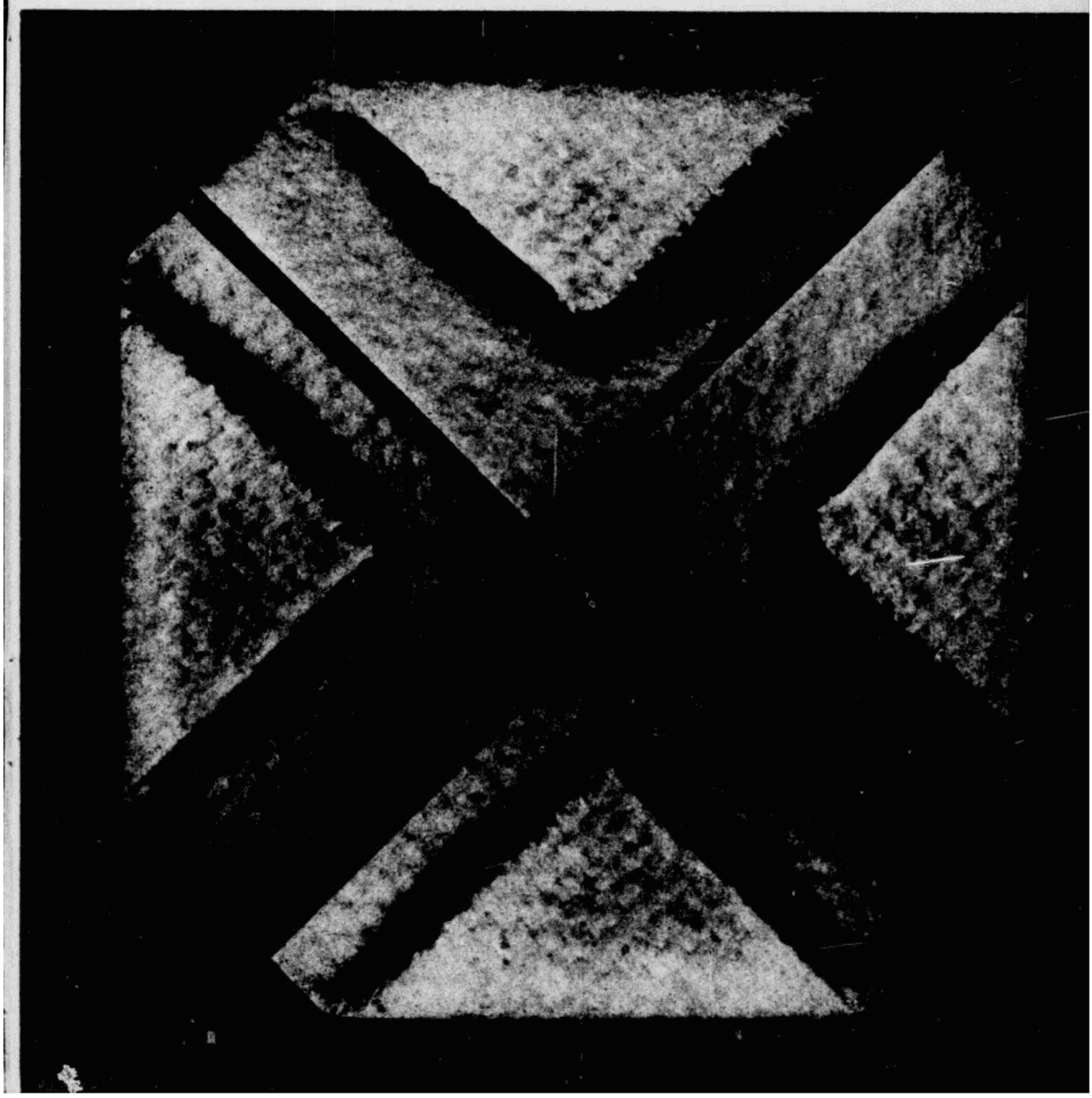
on their pipe- and sheet-machines.

Some characteristics of our felts:

- Immediate start-up
- Special surface structure results in best lamination of your product.
- Excellent permeability even at high speeds.
- Outstanding durability.

If you want to
**improve your production and lower your felt cost**
you too should use our conventional and needled felts. Take advantage of our 10 years of experience manufacturing 100% synthetic felts for the asbestos cement industry. **It is your profit!**

Württembergische Filztuchfabrik D. Geschmay GmbH · 7320 Göppingen · P.O. Box 460
Telex 07-27734 · West Germany




Published by AsbestosClaims.Law
asbestosclaims.law/library/12622/56

# ASBESTOS STOCK QUOTATIONS

Close—January 31, 1969

| | | | |
|---|---|---|---|
| Advocate | *$3.20 | G-Alden (pfd 3.15) | 143 |
| Asarco | .88 | G-Alden (pfd 3) | 130¼ |
| Armstrong Cork | .75 | G-Alden (pfd 2.25) | 67¾ |
| Armst Cork (pfd 3.75) | 65½ | Grace | 45⅛ |
| Asbestos Corp. | *$27.50 | Gulf & Western | 47⅝ |
| Bendix | 45 | G&W (pfd 1.75) | 152¼ |
| Bendix (pfd 3) | 77¼ | G&W (pfd 3.50) | 194 |
| Carlisle | 30¾ | G&W (pfd 3.87) | 82¼ |
| Cassiar | *$18.37 | G&W (pfd 5.75) | 76½ |
| Certain-teed | 30 | Johns-Manville | 85¾ |
| C-teed (pfd .90) | 30 | Maremont | 20⅜ |
| Conwest | *$9.35 | National Gypsum | 61⅞ |
| Flintkote | 27¾ | Natl Gypsum (pfd 4.50) | 74 |
| F-kote (pfd-A 4.50) | 90 | Patino | *$32.75 |
| F-kote (pfd-B 2.25) | 41¼ | Porter (pfd 5.50) | 83¾ |
| F-kote (4-pfd 4) | 65¼ | Raybestos-Manhattan | 57¼ |
| GAF | 28⅛ | Unarco | 14¾ |
| GAF (pfd 1.20) | 38⅛ | Union Carbide | 44¾ |
| Garlock | 23½ | Uniroyal | 57¾ |
| Glen-Alden | 18¾ | Uniroyal (wi) | 29⅝ |
| | | Uniroyal (pfd 8) | 134 |

*Canadian currency
wi—when issued





*Phenolic Resins*

LIQUID · LUMP · POWDER

*Cashew Resins*

LIQUID · PARTICLE · POLYMERS

FOR FRICTION MATERIALS

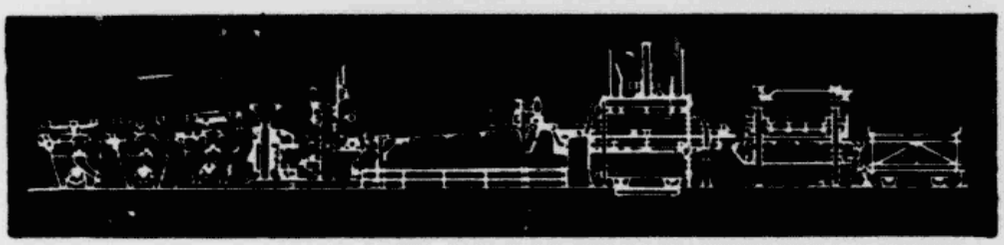
POLYREZ COMPANY, INC.

SOUTH COLUMBIA ST. AND RAILROAD

WOODBURY, NEW JERSEY 08096

# WEHRHAHN

**Machinery for the asbestos - cement industry is the result of more than a man's age of experience in the development, construction and erection of machines for asbestos-cement.**



**More than 50 asbestos-cement plants all over the world are successfully producing:**

**pressure pipes**

**socket pipes**

**flat sheets**

**corrugated sheets**

**shingles** **on machines of**

# WEHRHAHN

**for your asbestos-cement project you are invited to contact:**

---

**GEBR. WEHRHAHN**

**287 Delmenhorst/Germany**
**Linoleumstr. 3 / P. O. Box 209**
**Tel. 45 91 / Telex 024 4874**






Published by AsbestosClaims.Law
asbestosclaims.law/library/12622/58

# ASBESTOS PRICES

**ARIZONA—** Per Ton of 2,000 lbs., f.o.b. Globe, Arizona

(As of August 1, 1968) U. S. Dollars

| | | |
|---|---|---|
| No. 1 Crude | $1,410.00 to | $1,650.00 |
| No. 2 Crude | 700.00 to | 950.00 |
| AAA | .. | 800.00 |
| Group No. 3 (non-ferrous filtering-plastic) | 425.00 to | 700.00 |
| Group No. 4 (non-ferrous filtering-plastic) | 400.00 to | 500.00 |
| Group No. 5 (non-ferrous filtering-plastic) | 385.00 to | 425.00 |
| Group No. 6 (non-ferrous plastic) | .. | 250.00 |
| Group No. 7 (white shorts) | 65.00 to | 90.00 |

**CANADA—** Per Ton of 2,000 lbs. f.o.b. Mine

(As of January 1, 1969) Canadian Currency

| | | |
|---|---|---|
| Crude No. 1 | $ .. | $1,480.00 |
| Crude No. 2 | .. | 800.00 |
| Group No. 3 (spinning fiber) | 385.00 to | 630.00 |
| Group No. 4 (shingle fiber) | 212.00 to | 360.00 |
| Group No. 5 (paper fiber) | 152.00 to | 180.00 |
| Group No. 6 (waste, stucco or plaster) | .. | 110.00 |
| Group No. 7 (refuse or shorts) | 50.00 to | 92.00 |

**CASSIAR—** Per Ton of 2,000 lbs., f.o.b. North Vancouver, B.C.

(As of January 1, 1969) Canadian Currency

| | |
|---|---|
| AAA grade (non-ferrous spinning fiber) | $ 845.00 |
| AA grade (non-ferrous spinning fiber) | 673.00 |
| A grade (non-ferrous spinning fiber—Canadian Group 3) | 508.00 |
| AC grade (asbestos-cement—Canadian Group 4) | 363.00 |
| AK grade (shingle fiber—Canadian Group 4) | 249.00 |
| CP grade (shingle fiber—Canadian Group 4) | 234.00 |
| AS grade (shingle fiber—Canadian Group 4) | 217.00 |
| CT grade (shingle fiber—Canadian Group 4) | 211.00 |
| AX grade (shingle fiber—Canadian Group 5) | 193.00 |
| CY grade (shingle fiber—Canadian Group 5) | 136.00 |
| AY grade (shingle fiber—Canadian Group 5) | 136.00 |

**VERMONT—** Per Ton of 2,000 lbs., f.o.b. Morrisville, Vermont

(As of January 1, 1969) U. S. Dollars

| | | |
|---|---|---|
| Group No. 3 (spinning & filtering) | $ 356.00 to | $ 382.00 |
| Group No. 4 (shingle fiber) | 195.00 to | 331.00 |
| Group No. 5 (paper fiber) | 141.00 to | 165.00 |
| Group No. 6 (waste, stucco or plaster) | .. | 102.00 |
| Group No. 7 (shorts & floats) | 47.00 to | 85.00 |

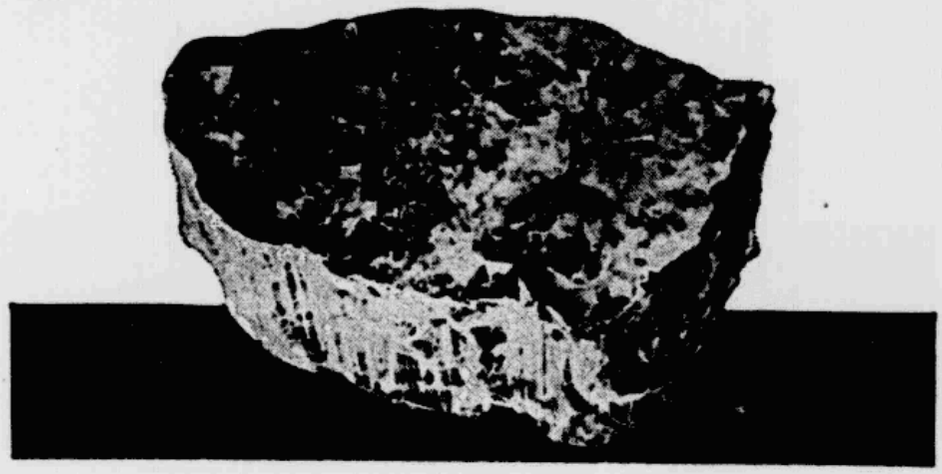

Published by AsbestosClaims.Law
asbestosclaims.law/library/12622/59

# BUILT ON A ROCK

Crude Asbestos is the rock on which our business is built. In the Scandura Factories at Cleckheaton and West Auckland it is used to manufacture everything for which asbestos is best, from yarns and cloths to all types of jointings and packings. Our Research Laboratories keep us at the head of development; Asbestos is *our* subject.

THE ASBESTOS DIVISION OF **SCANDURA LIMITED**

A MEMBER OF THE BBA GROUP CLECKHEATON · YORKSHIRE · ENGLAND





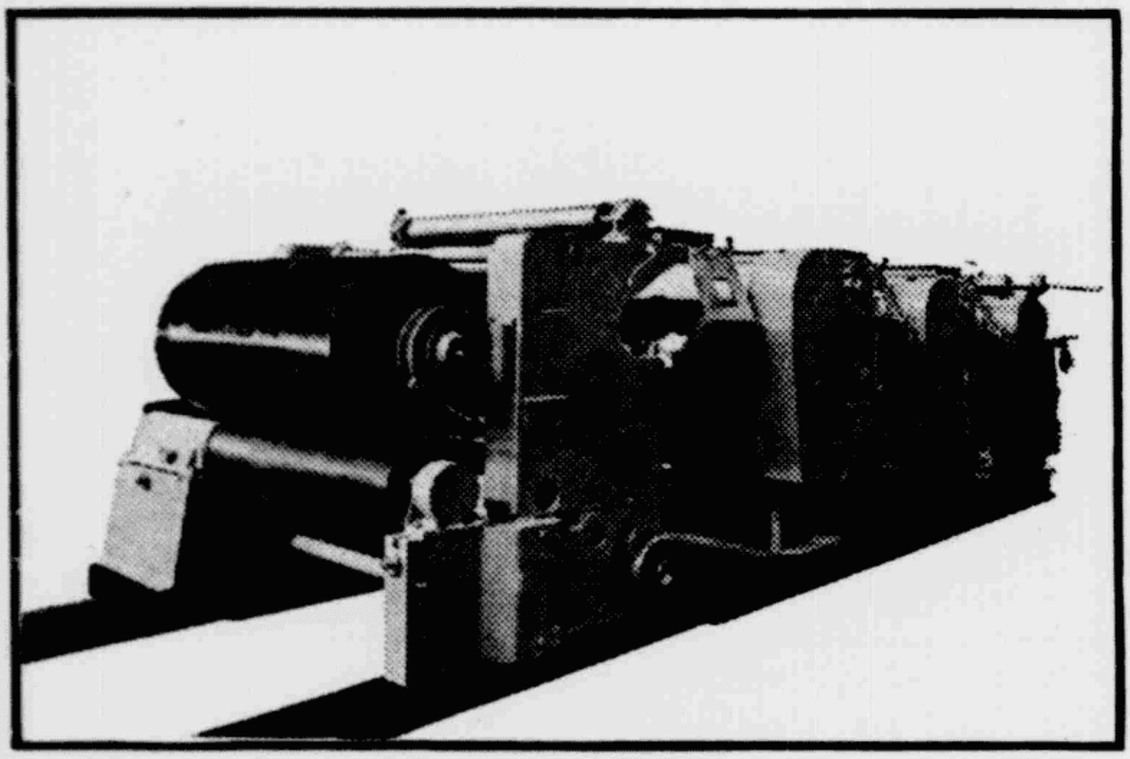


Published by AsbestosClaims.Law
asbestosclaims.law/library/12622/60

ASP/HAC/19

# asbestos cement *plants*





MANUFACTURERS OF COMPLETELY AUTOMATIC AND UP-TO-DATE PLANTS FOR

asbestos cement

- PRESSURE PIPES
- CORRUGATED SHEETS
- FLAT SHEETS
- SOCKET PIPES

## HYDERABAD ASBESTOS

CEMENT PRODUCTS LTD.

PLANT MANUFACTURING DIVISION HYDERABAD-18 INDIA

TWO YEARS OF SUCCESSFUL APPLICATION PROVE IT:

# R/M thermal asbestos tape speeds covering of small pipe and tubing



Reports from a leading U.S. shipbuilder indicate that R/M Style 25 Thermal Insulating Tape (asbestos cloth sheath, glass sliver insulating medium) offers these outstanding advantages:

- Faster installation than sectional molded covering, particularly around curves where cutting, mitering, and cementing are required.
- A weight saving of 20-26 percent over the same sheath with Amosite asbestos stuffer.
- More durable and resistant to hard usage conditions than standard sectional insulating materials.

Used successfully for the past two years, the R/M tape currently is being applied aboard three destroyers and a 45,600-ton container ship. Service includes water and steam lines involving temperatures to 499°F.

For complete information on R/M Style 25 Thermal Insulating Tape conforming to MIL-I-15349 or Coast Guard specifications, contact us.

R M

**ASBESTOS TEXTILE DIVISION**

## RAYBESTOS-MANHATTAN, INC.

Manheim, Pa. 17545

**Specialists in Asbestos, Rubber, Sintered Metal, Engineered Plastics**


Published by AsbestosClaims.Law
asbestosclaims.law/library/12622/62