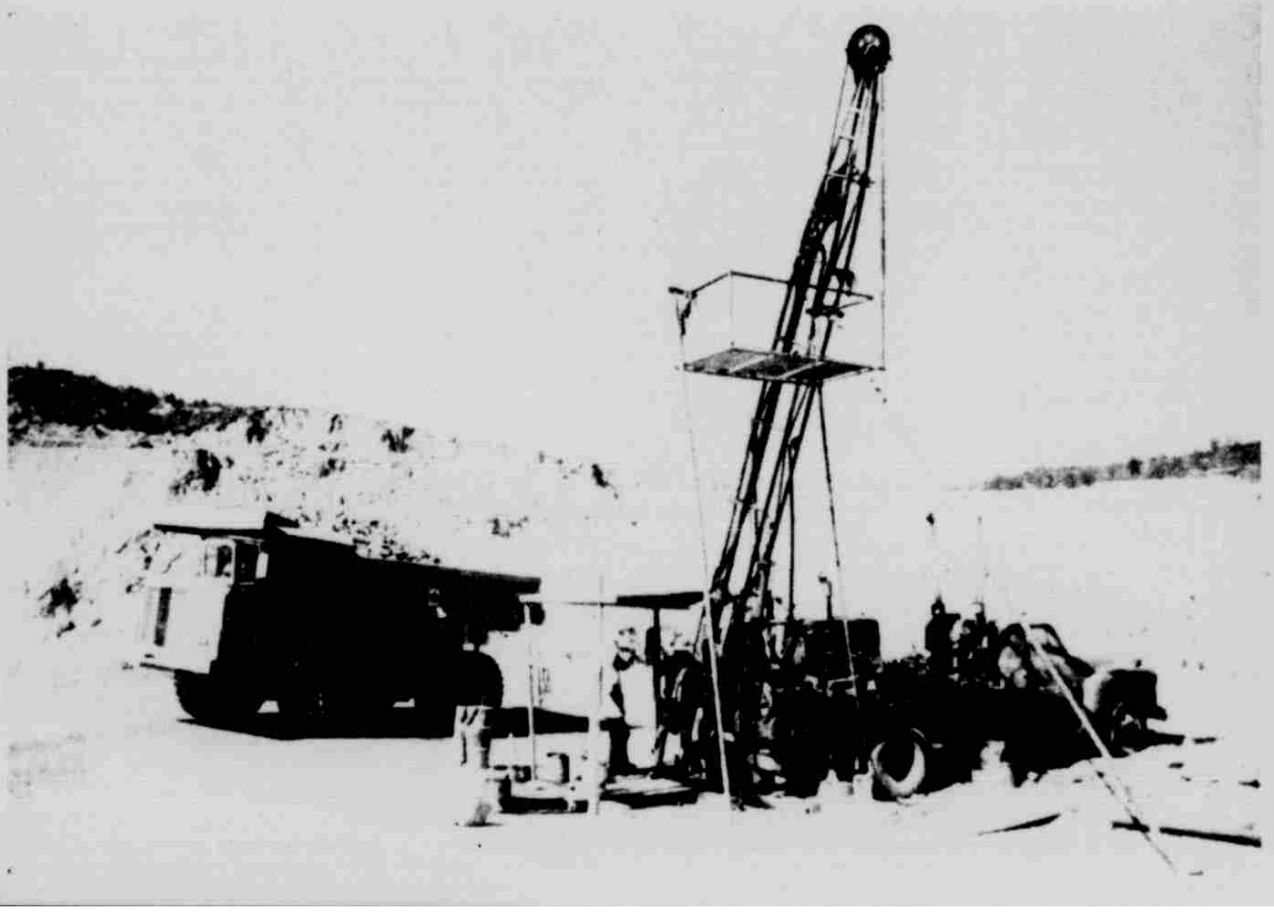
October 1972

ASBESTOS

Devoted to the International Asbestos Industry

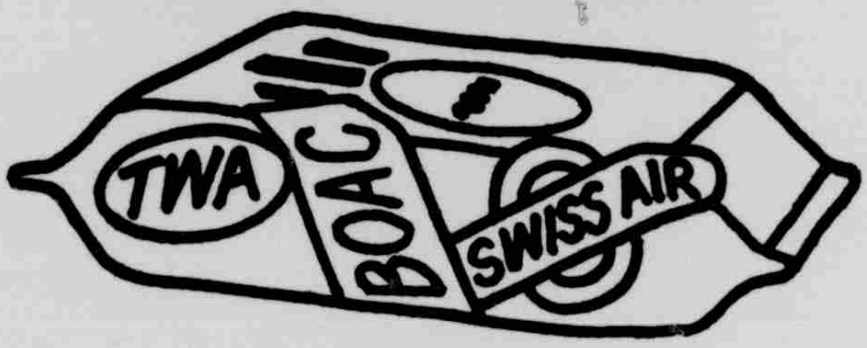
— *Featuring* —

The Geology & Mining Operations
at Pacific Asbestos Corporation



Published by AsbestosClaims.Law
asbestosclaims.law/library/12666/1

The Worldly Asbestos



Carey-Canadian Mines, Ltd., one of the world's largest producers of asbestos fibre, can serve your needs around the world. Overseas sales agents are listed below. Additional information may be obtained by writing to

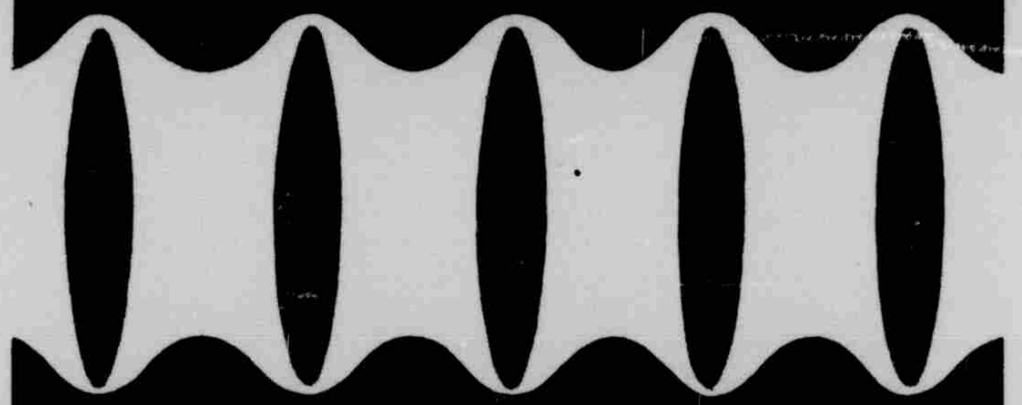
Dept. ASB1072, Carey-Canadian Asbestos,
Division of Panacon Corp., P.O. Box 15070,
Cincinnati, Ohio 45215.

CAREY.

Mt. Waverly, Victoria, Australia	K. V. Robinson & Ass. Pty., Ltd.
Wien, Austria	Robert Weisz
Copenhagen, Denmark	Andreas Jennow A/S
London, England	Central Asbestos Company, Ltd.
Helsinki, Finland	Oy Max Aue
Paris, France	G. Devineau, S.A.
Duisburg, Germany	Duetsche Asbest-Gasellschaft G.m.b.H.
Lubeck, Germany	Possehl Erzkontar
Athens, Greece	A. D. Papachristopoulos & Company
Calcutta, India	Expert Agency Service Private, Ltd.
Tel-Aviv, Israel	K. J. Deutsch
Torino, Italy	Franco Rol
Tokyo, Japan	T. Kakiuchi & Company, Ltd.
Seoul, Korea	Bryony Corporation
Mexico City, Mexico	Productos Quimicos Mardupol, S.A.
Haarlem, Netherlands	Chemische Productenhandel J.J. Van De Vrande
Auckland, C.I., New Zealand	Neill, Cropper & Company, Ltd.
Ponce, Puerto Rico	Porto Rico Iron Works
Buenos Aires, Argentina, S.A.	Will L. Smith, S.A.
Sao Paulo, Brazil, S.A.	ICI-Intercambia Commercial International Ltda.
Barranquilla, Colombia, S.A.	General Sales Corp. Ltda.
Lima, Peru, S.A.	Ralph W. Gutierrez
Valencia, Spain	Guzman, S. A.
Stockholm, Sweden	N. AB Nicolia Johannasen
Caracus, Venezuela	Ing. N. Sekler Y Associados S. R. L.

Published by AsbestosClaims.Law
asbestosclaims.law/library/12666/2

From
SCAPA
TEXTILES
LTD.



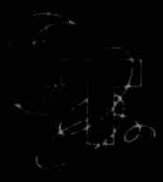
100% Synthetic needled felts
for Magnani Sheet Machines

This new development offers:

MUCH INCREASED FELT LIFE

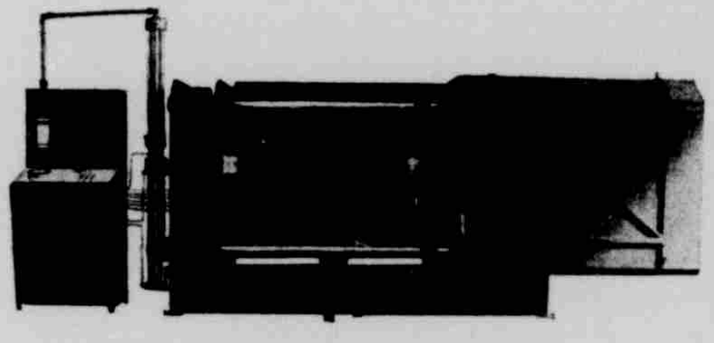
MUCH IMPROVED FELT STABILITY
ELIMINATING EDGE TRIMMING
AND WIDTH SPLITTING

MUCH IMPROVED PERMEABILITY

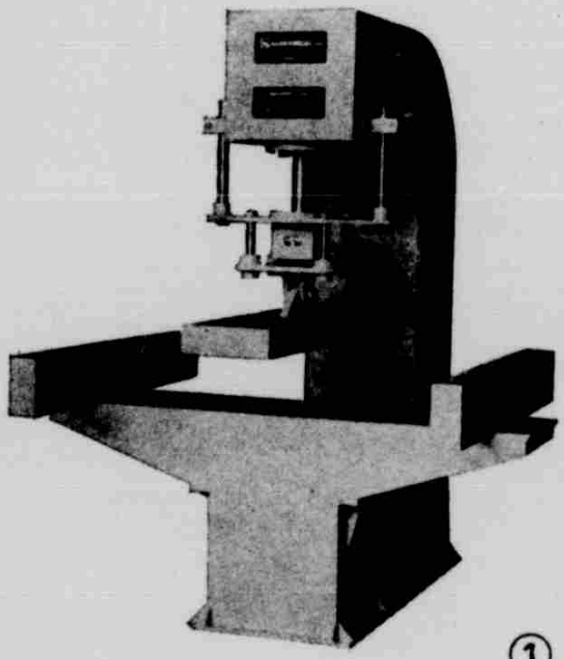


SCAPA TEXTILES LTD.,

① Bending and crushing test press for sheet and pipes



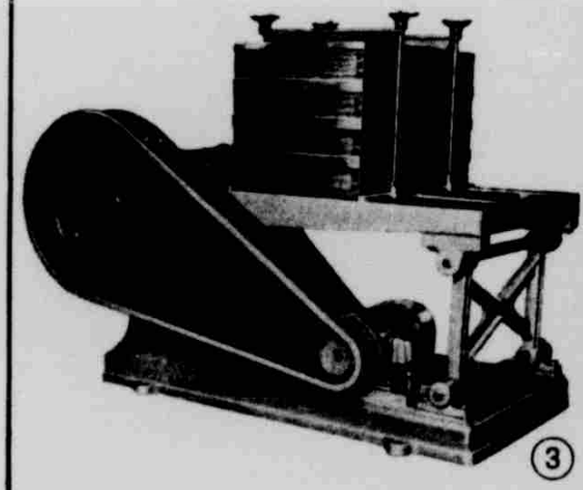
②



①

② Bursting test press for pipes

③ Classifier for testing asbestos fibres



③

Asbestos-cement testing machines designed and manufactured by:

SALVANESCHI S.p.A.

VIA ROMA, 27-27043 BRONI (PV) ITALY - TELEF. 51.024

ASBESTOS

VOLUME 54 OCTOBER 1972 NUMBER 4

FOUNDED JULY 1919 AND PUBLISHED MONTHLY SINCE THAT DATE

CONTENTS

THE GEOLOGY & MINING OPERATIONS AT PACIFIC ASBESTOS CORPORATION 4
CARL A. GNAM RETIRES 14
ASBESTOS PRODUCTS 16
MARKET CONDITIONS— GENERAL BUSINESS & ASBESTOS FIBER 18
GARLOCK HAPPENINGS 20
CONSTRUCTION NEWS 22
MOTOR VEHICLE FACTORY SALES 22
PRODUCTION—IMPORTS—EXPORTS 24
LATEST ASBESTOS PRICES 32
BIRTHDAY GREETINGS 38
BOOKS, ARTICLES & PAPERS 40
NOTES FROM 1971 ANNUAL REPORTS 42
ASBESTOS STOCK QUOTATIONS 44
MEN ON THE MOVE 46
NEW ASBESTOS PATENTS 48
CALENDAR OF EVENTS 52
REMEMBER WHEN? 54

ASBESTOS is indexed regularly by Engineering Index, Inc.

Microfilms of back issues may be obtained from University Microfilms, 300 North Zeeb Road, Ann Arbor, Michigan 48106.

PROPRIETOR: Stover Publishing Company

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

Copyright 1972 Stover Publishing Company

Second Class Postage Paid at Willow Grove, Pennsylvania, U.S.A.

SUBSCRIPTIONS RATES—United States, $4.00 per year; All Other Countries, add $1.00 for postage; Current Copies, 35 cents each; Back Copies, 50 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

Asbestos Magazine, 1972, October 1972
ACL Doc 12666 · Page 5 of 60
Published by AsbestosClaims.Law
asbestosclaims.law/library/12666/5

THE GEOLOGY & MINING OPERATIONS AT PACIFIC ASBESTOS CORPORATION

By: G. W. Leney & E. E. Loeb

The ore body at Pacific Asbestos Corporation, Copperopolis, California, is rather unique in that it is one of only two major ore bodies in the United States capable of producing a full range of milled Chrysotile asbestos fibers in Groups 4 to 7. The following article contains portions of a comprehensive paper on the geology and mining operations at Pacific's asbestos property that was presented at the annual meeting of the American Institute of Mining Engineers, held in San Francisco, February 21-24, 1972. The concepts of the geology are preliminary in nature and are changing as new information becomes available. *George W. Leney* is Chief Geologist for H. K. Porter Company, Inc., and a Vice President and Director of Pacific Asbestos Corporation. *Eric E. Loeb* is Area Geologist for H. K. Porter Company, Inc., at Copperopolis.

The office and mining operations of Pacific Asbestos Corporation are located near Copperopolis, California, in the foothills of the Sierras about 50 miles east of Stockton. This is historic country in the heart of the old Mother Lode gold district. Mark Twain's famous story of the jumping frog is still commemorated at an annual contest in Calaveras County, and the camp at Poker Flats, described by Bret Harte, was only a few miles from the present asbestos mine. Joaquin Murrieta, the famous Mexican bandit, started his three-year reign of terror in this vicinity, and Black Bart, the Poet Laureate of the stagecoach robbers, held up his first stage at Funk Hill, just 3 miles north of the mine.

In spite of its location and apparently prominent exposure, the first work on the asbestos deposit was not recorded until 1904. Development of the present operations was started in 1959 by Jefferson Lake Asbestos Corporation, a subsidiary of Jefferson Lake Sulphur Company. Management control of the firm changed hands several times and it was later reorganized under the name of Pacific Asbestos Corporation. In December 1968, a controlling interest was acquired by H. K. Porter Company, Inc.

Since the beginning of mining operations in 1962, 7¾

THE COVER

THE PHOTOGRAPH ON THE FRONT COVER WAS TAKEN AT THE OPEN PIT MINE SITE OF PACIFIC ASBESTOS CORPORATION AT COPPEROPOLIS, CALIFORNIA.

Asbestos Magazine, 1972, October 1972
ACL Doc 12666 · Page 6 of 60
Published by AsbestosClaims.Law
asbestosclaims.law/library/12666/6

Asbestos

Vital at all the stops along the way.

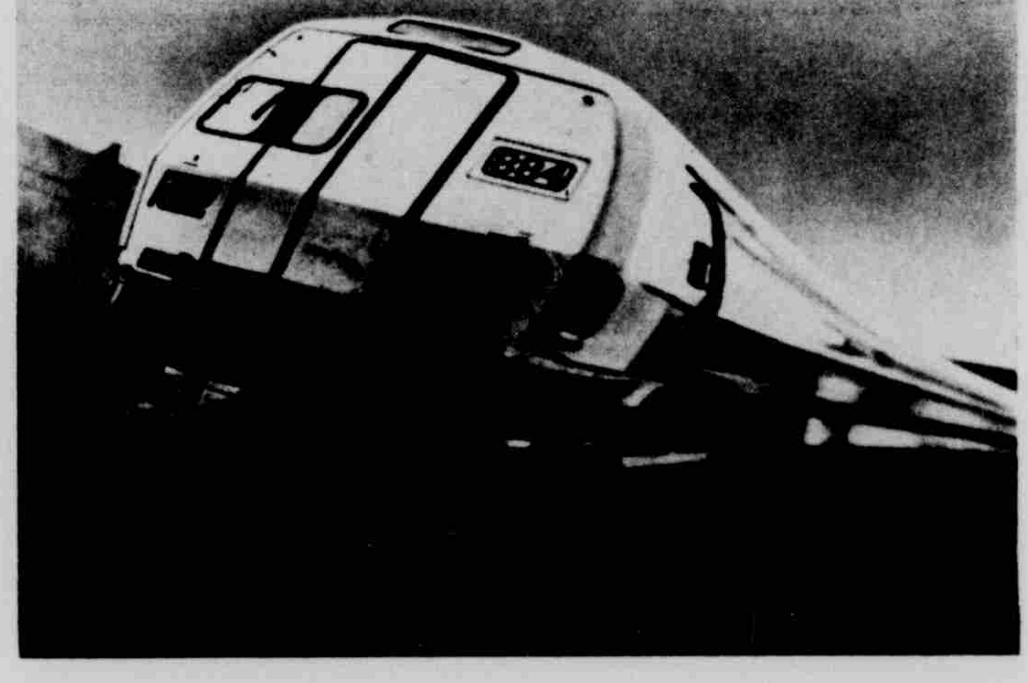
At speeds of up to 100 mph, Amtrak's New York-Washington, D.C. Metroliner needs all the stopping power it can get. So hard-working asbestos is used in the brake shoes on this cannonballing express.

Tough, lightweight, incombustible asbestos is a unique material. Indispensable for hundreds of protective uses—in industry, in homes and public buildings, in cars and trucks and trains, on ships, even on spacecraft.

Without asbestos, life for all of us would be a lot more hazardous.

For information on how asbestos can help you, contact your local J-M representative or the Canadian Johns-Manville Co., Ltd., Box 1500, Asbestos, P.Q. Or Johns-Manville Asbestos Fibre Sales, Box 5705-AFD, Denver, Colo. 80217 U.S.A.

Johns-Manville JM



Published by AsbestosClaims.Law
asbestosclaims.law/library/12666/7

million tons of ore and 15 million tons of waste have been removed from the open pit which now measures about 1400 x 1800 feet at its widest points. The lowest operating level is at an elevation of 696 feet about 350 feet below the original surface. The company markets an annual production of 30,000-35,000 tons of Chrysotile fiber in Groups 4 through 7, under the Mother Lode Brand.

MINING OPERATIONS

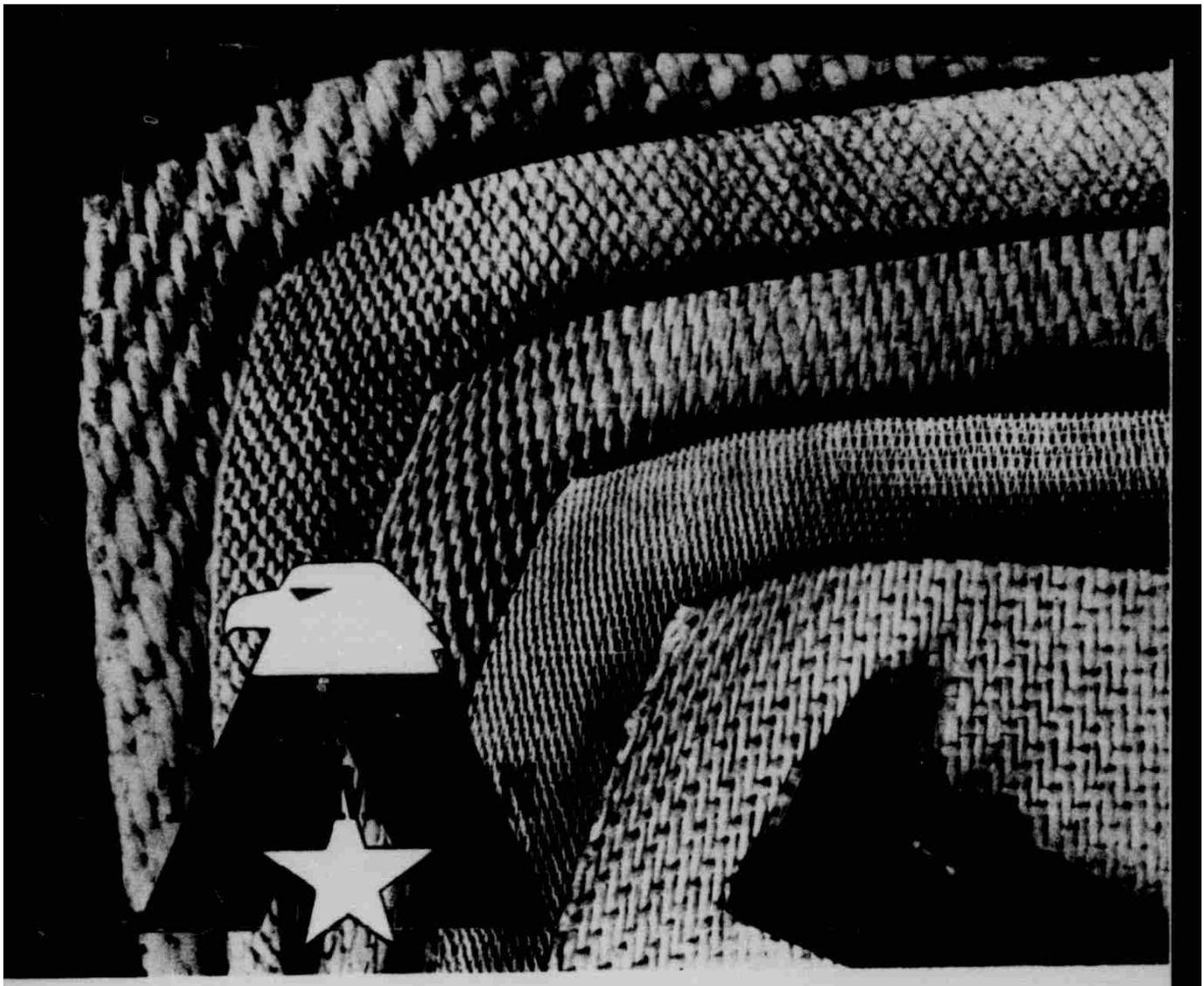
The mining operation at Pacific Asbestos is carried out under contract with Porter Cargo, Inc., a wholly-owned subsidiary of H. K. Porter Company, Inc. Mining operations are normally on a five-day, one-shift basis. The essential mining equipment consists of two 4½ yard Northwest shovels and two front-end loaders with 6-yard buckets. A fleet of nine International Harvester Payhauler trucks with 35-ton beds is used for hauling ore and waste. The average length of haul to the crusher is one mile and the steepest grade is about 10%. Shot holes are drilled with two 6½" Ingersoll Rand Drillmasters and shot with ammonium nitrate prills. Typical spacing of holes is 10 feet in ore and 12 feet in waste. Faces are shot an average of three times a week with about 15,000 tons in each shot. A number of working faces are maintained in each of several ore grades to provide a variety of materials for blending. The ore is sampled at the crusher and daily samples are accumulated and correlated with the mining location in the pit. The results are used to calculate the efficiency of the milling operation, to evaluate estimates of the ore grade and to determine the effectiveness of blending.

At present mining levels, an average of 3400 tons per day of ore and 4500 tons per day of waste are being removed from the pit to maintain a stripping ratio of 1.3. Eight-hundred and fifty-thousand tons of ore were mined in 1971. Ore reserves are considered sufficient for at least twelve years mining.

GEOLOGY

The ore body at Pacific Asbestos lies within a NW-SE trending belt of ultrabasic rock that has been mapped as a serpentinite of Upper Jurassic Age by the State of California, Department of Natural Resources. The trend of the ultrabasic parallels regional faulting in the district and the

Asbestos Magazine, 1972, October 1972
ACL Doc 12666 · Page 8 of 60
Published by AsbestosClaims.Law
asbestosclaims.law/library/12666/8



— a different concept in quality asbestos textiles

CLEANLINESS: *Thermolan* fabrics are smooth and clean. Dust and loose fibers are virtually eliminated. Absolutely no "hairy" or "fuzzy" yarns. Cleaner to handle and cut.

PURITY: The unique process used in making yarns for this fabric results in cloth with less than 2% organics in most styles, which exceeds AAA Grade (95%) requirements. **This material meets United States Coast Guard requirements of 46 CFR 164.009 "Incombustible Materials" paragraph 164.009-2(b) (5).**

TENSILE STRENGTH: Lower organic content means greater strength retention after subjection to heat. Also more resistance to chemical and biological reactions.

THERMOLAN is offered in a variety of gauges (.025"-.125") in Plain, Twill, Herringbone and other constructions. *Thermolan* fabrics are now being used for safety clothing, welding blankets, turbine pads and marine insulation lagging cloth.

How can you use the advantages of *Thermolan?* For samples and information call 215-275-4602 (TWX 510-660-0184) or write Box 228, Norristown, Pa. 19404.

American also offers a complete line of conventional asbestos textiles.

AMERICAN ASBESTOS
TEXTILE CORPORATION

PLANTS AT NORRISTOWN, PA. MILFORD SQUARE, PA. MEREDITH, N.H. TOLUCA, MEXICO

intrusive is bounded on the southwest by the Copperopolis fault over much of its length. It is a concordant intrusive and one interpretation shows it as a folded sill plunging to the northwest. At the mine, the ultrabasic is about two miles wide.

In the center of the ultrabasic area, the ore bodies occupy a zone about 2000 feet wide between two bands of antigorite schist. These schists are the most readily mappable unit in the vicinity of the mine and they mark the limit of any significant occurrence of Chrysotile fiber. Because of their schistocity and the alteration along them, it is believed they represent shear zones in the intrusive. Some shear fiber is found along the contact mostly in the southwest corner of the pit.

Three main rock types can be identified in the mine area: peridotite, a more highly altered rock that has been called dunite in field mapping, and gabbro porphyry dikes. The main host rock for the ore bodies is a massive, greenish-black peridotite consisting mostly of olivine crystals, some very coarse grained, that have been moderately altered to serpentine along fractures and grain boundaries. The significant feature of the peridotite is the quantity of unaltered olivine remaining. Pyroxenes are present in amounts ranging upward to 30% but averaging about 10%. In the limited number of thin-sections studied, there is a rough correlation between the percentage of pyroxene and the grade of the ore, with the best fiber zones in the pyroxene rich bands. The intrusive may be crudely layered with pyroxene rich and poor layers that influenced the development of the fiber. The alteration products of the peridotite include minor amounts of brucite, anthophyllite and talc. Around the margins of the ore body, the peridotite is transitional into the "dunite", which is now largely altered to serpentine. The dike rocks were emplaced in the later stage of the intrusion and cross-cut both peridotite and dunite.

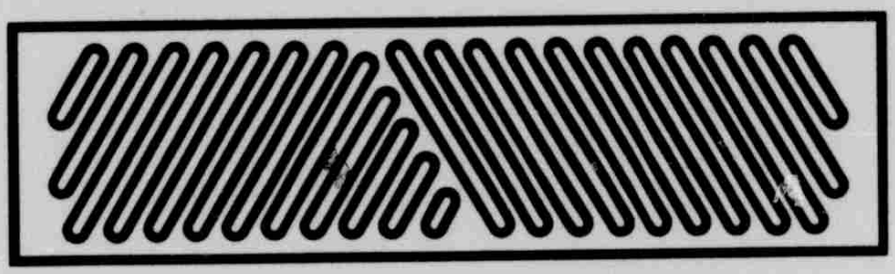
Magnetite is a universal constituent of all the ultrabasic rocks. It appears within and along the margins of fiber veins and with serpentine along fractures and grain boundaries in olivine. Most of the magnetite is a by-product of serpentinization so that the more highly altered rocks are more magnetic and the ore-bearing peridotite occurs in an area of generally lower magnetic intensity.

Several interesting geologic features have been observed

Asbestos Magazine, 1972, October 1972
ACL Doc 12666 · Page 10 of 60
Published by AsbestosClaims.Law
asbestosclaims.law/library/12666/10

Robalit 61

Suction Box Covers and Felt Conditioner Tops for Asbestos-Cement Pipe and Sheet Machines. Our plastic material alloyed with Molykote is proven in countless installations throughout Europe and Overseas.



- Covers made to your specification. Modern herringbone pattern with stretch-out effect at no extra cost.
- Minimum coefficient of friction, considerable reduction of drag load.
- Remarkable increase in felt speed and felt life.
- Easy mounting, easy cleaning, easy resurfacing, no corrosion.
- Minimum wear – no sharp edges developing.

Leripa

LEDER- UND RIEMEN-PATENTVERWERTUNGSGES. M. B. H.
A-1151 WIEN XV, MARIAHILFER STRASSE 135 · AUSTRIA

U.S. REPRESENTATIVES:

Minerals & Asbestos Corp.

P. O. BOX 1206, PORT CHESTER, N.Y. 10573, (914) 937-3828

Agents in most countries of the world

Published by AsbestosClaims.Law
asbestosclaims.law/library/12666/11

in field mapping. One of them is a flow banding that is sometimes present in the ultrabasic rocks. Fiber veins cross-cut the flow banding with little or no displacement across the veins.

Another feature of interest is the alteration of peridotite to a light gray-green serpentinite adjacent to some of the fiber veins. The alteration provides a striking pattern and is taken as evidence that serpentinization occurred at a late stage contemporaneous with deposition of the fiber.

THE ORE BODIES

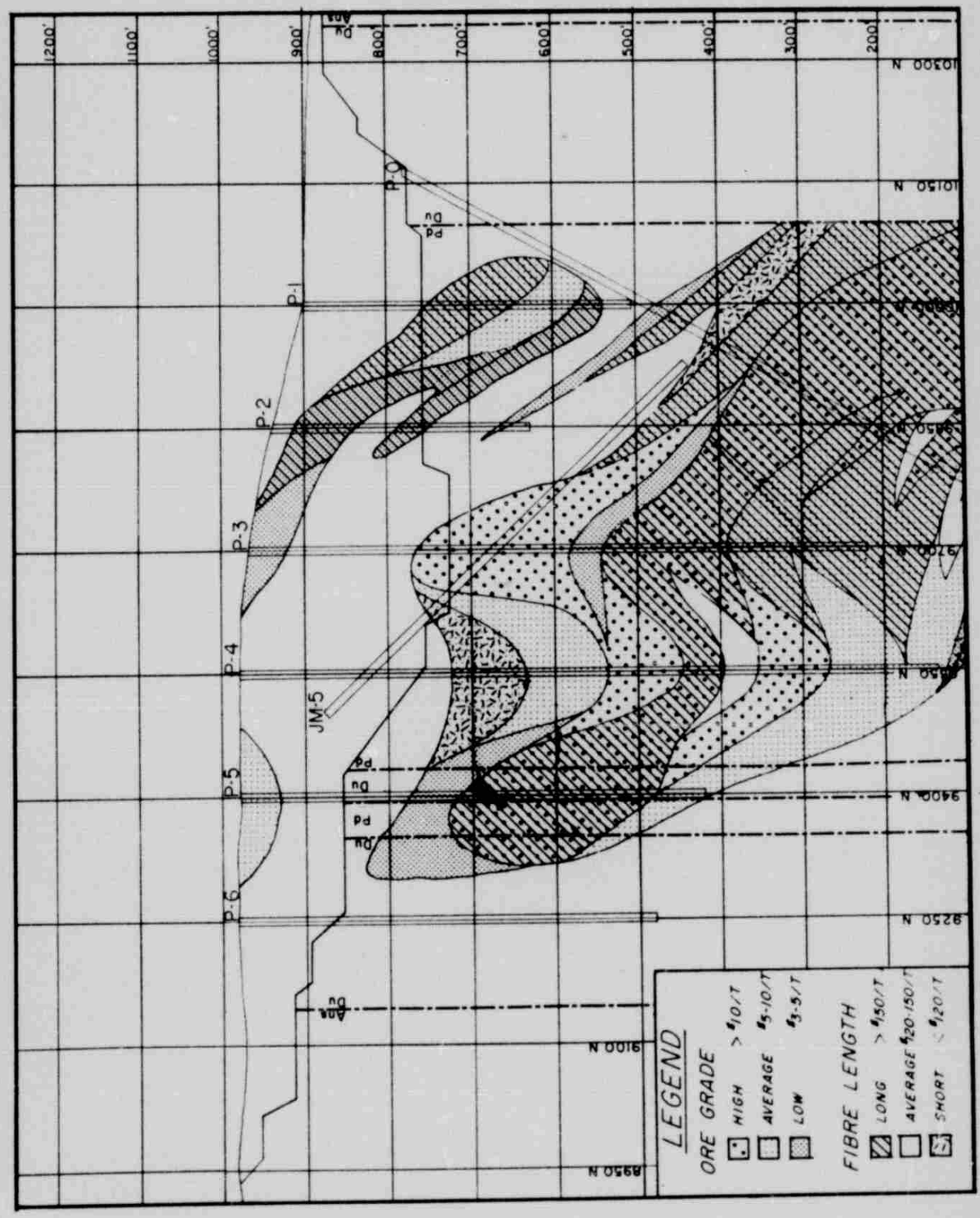
For mapping in the ore body, the fiber zones have been classified in nine ore types, determined from laboratory milling of drill core samples. The ore is considered to be high, average or low grade, according to its value of over $10.00 per ton, $5-$10.00 per ton, or $3-$5.00 per ton. Ore being mined at present averages about $7.00 per ton. It is also classified as long, average or short fiber, according to the indicated fiber value of over $150.00 per ton, $120-$150.00 per ton, or less than $120.00 per ton. The ore is entirely cross-fiber Chrysotile. There is no systematic arrangement of the veins which appear to be mostly randomly oriented.

Cross-section 10900E through the center of the ore body looking west is shown in Figure 1. At the top of the figure are the remnants of the upper ore body, now largely mined out on this section. The band of high grade, long fibered ore in the center of the lower ore body illustrates the continuity of ore types and the folded nature of the ore body. The section shows vertical contacts for the wall rocks, but regional dips are to the north, and the antigorite schist may form the footwall of the ore on the south.

The current concept of the ore body at Pacific Asbestos is of a poorly layered intrusive with erratic mineralization tending to favor pyroxene rich horizons and less serpentinized portions of the body. The layering was probably irregular to start with and may have been complicated by folding resulting in a predominant plunge to the west on long sections and dips to the north on the north half of the ore body. Elsewhere, the dips are erratic. Ore bodies tend to be zoned with a high grade area in the center. The ore bodies are localized between two antigorite schists that probably represent zones of shearing. The "dunites" are highly serpentin-

Asbestos Magazine, 1972, October 1972
ACL Doc 12666 · Page 12 of 60
Published by AsbestosClaims.Law
asbestosclaims.law/library/12666/12

Figure 1—Cross Section 10900E, Looking West



Published by AsbestosClaims.Law
asbestosclaims.law/library/12666/13

ized portions of the ultrabasic next to the schist and are relatively unfavorable for the occurrence of fiber. The most likely period for development of the fiber was in the closing phases of intrusion of the ultrabasic.

MINE SAMPLING & GRADE DISTRIBUTION

One of the primary objectives of the mining operation at Pacific Asbestos is to provide a uniform feed to the mill. In order to achieve this, working faces are maintained in several different ore grades. Mine heads are sampled every half hour and the samples are accumulated on a daily basis. Samples are processed in the core laboratory and results are available the following day so that adjustments can be made in the mining if necessary. The present objective is to maintain an average grade of 5.5% fiber on mine head samples.

In the core laboratory, a simplified procedure is used for processing samples, and Quebec Standard tests and Bauer-McNett tests are run on the fiber. The Bauer-McNett evaluation is generally 8% to 10% lower than that of the Quebec Standard test and gives a more realistic appraisal of the potential of the fiber.

MINE PLANNING

As part of the mining program, the Mine Superintendent submits a monthly mining plan which shows the areas to be mined and the estimated grade of the ore. The results are evaluated at the end of the period to determine how well the engineer followed his projected plan, the effectiveness of the blending, and errors in the geologic estimates of the ore grade.

COMPUTER PLANNING

As an aid to mine planning, Pacific Asbestos also has devised and is starting to utilize a computer program for the selection of an optimum mining sequence. For this purpose, the ore body is being catalogued in blocks of 2000 tons each. For each block the catalog gives the location, status, as available, fixed, or mined out, the grade in dollars per ton, percent of fiber, and classification as proven, probable or pos-

Asbestos Magazine, 1972, October 1972
ACL Doc 12666 · Page 14 of 60
Published by AsbestosClaims.Law
asbestosclaims.law/library/12666/14

The Occupational Safety & Health Act radically changes the clean-up picture in most operations: sweeping asbestos is no longer allowed. Vacuuming is mandatory. Which means you have to know the most efficient, most economical way of complying with the government regulation.

The answer: Hoffman central or portable vacuum cleaning systems. Asbestos industry proven in almost 20 years of service, Hoffman hi-velocity central vacuum and conveying systems offer peak power for the cleaning of asbestos and other difficult-to-handle materials. Properly designed, permanently installed, and practically maintenance-free, these systems provide the efficiency and economy you need for large scale vacuuming operations.

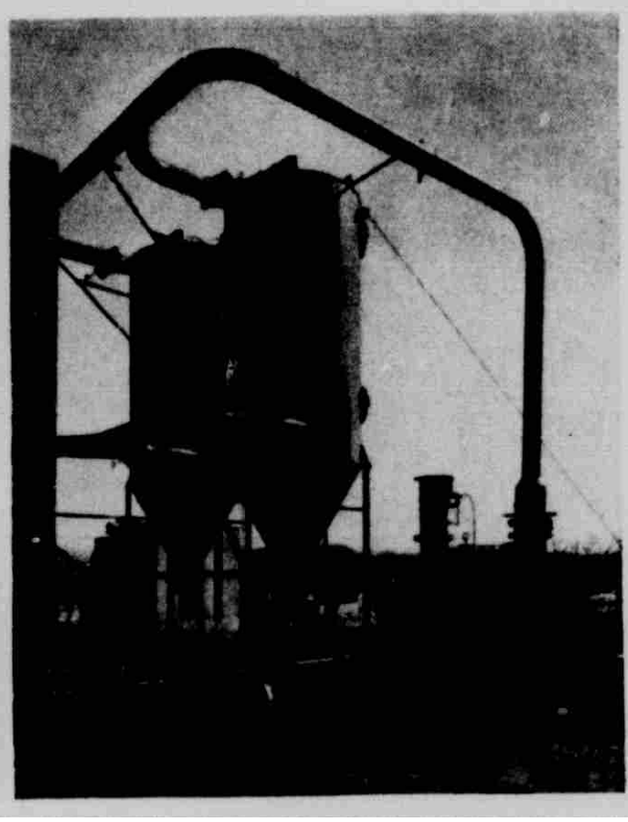
Smaller plant requirements can take advantage of Hoffman portable systems—strongly powered and dependable, yet conveniently maneuverable from floor to floor and into remote areas.

Get full details today. Write or call Hoffman Air Systems, a division of Clarkson Industries, Inc., 103 Fourth Ave., N.Y., N.Y. 10003 (212) 677-3600.

HOFFMAN
AIR SYSTEMS

2 ways to cope with the sweeping changes in the asbestos industry.





Published by AsbestosClaims.Law
asbestosclaims.law/library/12666/15

sible ore. The computer treats the catalog as an inventory from which it is to select the blocks, in order to provide for minimum waste removal and uniform average grade. Optional printouts include lists of the blocks and a tabulation of proven, probable and possible ore, either in the inventory by levels or in order by suggested mining sequence. A supplementary program prints level maps showing either the inventory or the suggested sequence of development for selected levels and various bench heights. Options permit the fixing of any area for haul roads, dumps or installations.

[WE ARE INDEBTED TO THE AUTHORS AND MANAGEMENT OF PACIFIC ASBESTOS CORPORATION FOR PERMISSION TO EXCERPT THIS INTERESTING PAPER. ADDITIONAL INFORMATION IS AVAILABLE DIRECT FROM PACIFIC ASBESTOS CORPORATION, COPPEROPOLIS, CALIFORNIA 95228.]

CARL A. GNAM RETIRES

Carl A. Gnam retired July 1, 1972, as a Commodity Specialist for the Bureau of Domestic Commerce, U.S. Department of Commerce. A recognized authority on the subject of asbestos, Mr. Gnam had previously been a Mineral Economist with the Bureau of Mines and the War Production Board. He was born in 1902 in Carroll, Iowa, graduated from the University of Iowa with a major in economics and some geology and attended Geo. Washington University law school. He served as a Lt. Commander, U.S. Navy, during World War II and then spent a year in Europe for the Economic Cooperative Administration, making recommendations on U.S. loans to foreign mining projects. Mr. Gnam's plans for the future include a great deal of travel, both in the U.S. and in Europe.

Next Issue - -

R/M Novatex at Kennedy Center

Asbestos Magazine, 1972, October 1972
ACL Doc 12666 · Page 16 of 60
Published by AsbestosClaims.Law
asbestosclaims.law/library/12666/16

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/12666/17

UNUSUAL APPLICATION!

An interesting article appeared in a Weymouth, England, newspaper concerning asbestos insuring the safety of crews on nuclear-powered submarines that carry special equipment for extracting oxygen from sea water. A simple but effective system to combat a possible emergency situation involves the use of oxygen candles that manufacture pure oxygen as they burn. Chrysotile asbestos fiber is an important constituent of the candles. It acts as a reinforcement to bind the chemicals together and its incombustibility controls the volatile chemicals to allow the slow smoldering process necessary to produce a maximum amount of oxygen. Each candle contains a little less than one pound of asbestos fiber and burns for just over an hour to produce 60 cubic feet of oxygen.

"ASBESTON" BY UNIROYAL

"Asbeston is its most diversified firefighting product," boasts Uniroyal Fiber & Textile. The asbestos fabrics and yarns are suitable for a variety of uses such as fire-smothering blankets, fireproof welder's curtains, firefighting garments and insulation for piping, duct work and turbine wrapping. Perhaps the most dramatic use for the fabrics began shortly after the tragic flash fire that claimed the lives of three astronauts. Uniroyal developed an asbestos material for the U.S. Space Program that is completely nonflammable in a 100% oxygen environment and NASA has used it in the stowage containers for astronauts' survival equipment on every space flight since Apollo 7. [Uniroyal World]

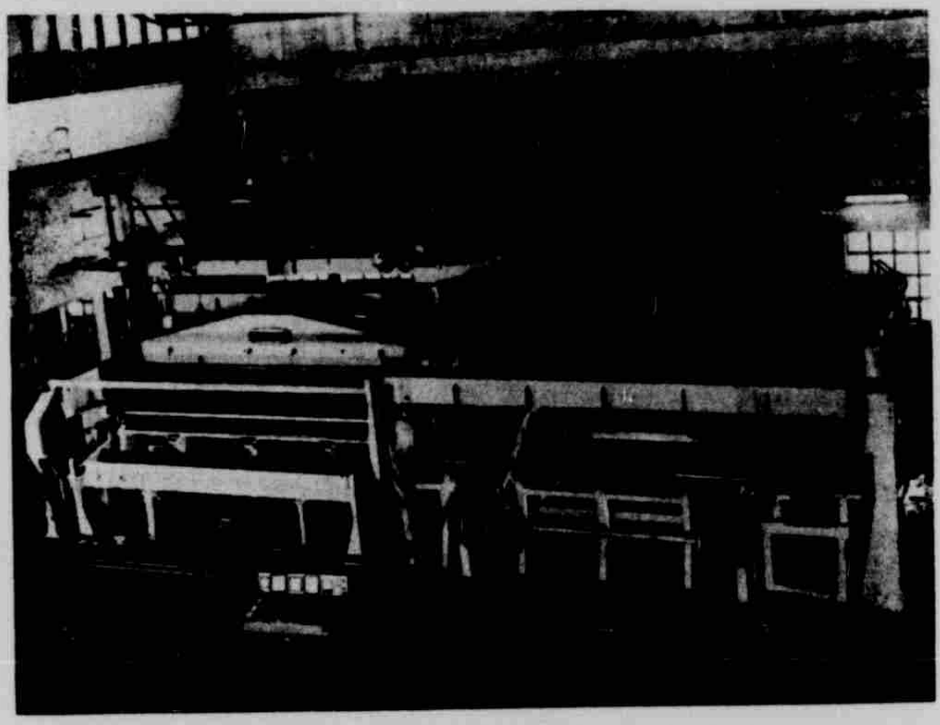
R/M "SILVABESTOS"' CANOPIES

The Raybestos Division of Raybestos-Manhattan, Inc., gave every driver who qualified for the 1972 "Indianapolis 500" a personalized race car cockpit canopy for his crew to use to shade the driver's seat from blistering sun. The material covering the canopies is Silvabestos, an aluminum-resin coated asbestos cloth manufactured by R/M's Asbestos Textile Division.

Asbestos Magazine, 1972, October 1972
ACL Doc 12666 · Page 18 of 60
Published by AsbestosClaims.Law
asbestosclaims.law/library/12666/18

50 YEARS OF EXPERIENCE

in the field of machinery for asbestos-cement products



RIVA - CALZONI S.p.A.

Company's Capital: 3.000.000.000 Lire

Products of the
stabilimento CALZONI

Via Emilia Ponente, 72
BOLOGNA, Italy
Telex: 51156 CALZONI
Telephone: 384631

CALZONI

Published by AsbestosClaims.Law
asbestosclaims.law/library/12666/19

MARKET CONDITIONS

GENERAL BUSINESS

General business still shows signs of improvement but the rate of growth of the economy, or whether there is any growth at all, seems to depend on who is interpreting the statistics. While this is to be expected as the political campaigns warm up, it does seem that, more often than usual, government and private sector statistics have been subject to revision months after their publication.

While the stock market made an attempt at the traditional mid-summer rally, the upward move was not nearly so great as some analysts had expected and prices have settled back into a narrow, relatively low trading range. Political uncertainties can be blamed for much of the current lack of investors' confidence in the future of the market. While most public opinion polls show an almost overwhelming lead for the Republican ticket at this time, it is interesting to note that some qualified observers are now hedging a bit, pointing out that this is the sort of lead which could evaporate very quickly under certain conditions. As noted in our comments in the September issue, it is quite conceivable that the contest could go right down to the wire before the winners are decided.

On the international scene the deal involving sale of some $1 billion of U.S. grain to Russia is a most interesting development. The attendance of a large group of top-level Russians at the recent International Machine Tool Show has led to much speculation as to whether similar deals involving large dollar values of machine tools may also be in the offing. The effect of such transactions on such a large scale could substantially alter the unfavorable U.S. balance of trade situation.

ASBESTOS FIBER

For the first seven months of 1972, shipments of asbestos from Canadian producers were slightly ahead of the levels

Asbestos Magazine, 1972, October 1972
ACL Doc 12666 · Page 20 of 60
Published by AsbestosClaims.Law
asbestosclaims.law/library/12666/20

ASBESTOS

HUXLEY DEVELOPMENT CORPORATION

Anthophyllite

Chrysotile

Crocidolite

Amosite

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

TEL: 212 581-0660
CABLE: HUXLEYCORP
TELEX: 420195

OUR 25TH YEAR

Published by AsbestosClaims.Law
asbestosclaims.law/library/12666/21

established for the same period in 1971.

Significantly, the demand for the shorter grades of fiber, principally Group 7, continues to be very strong in the United States and Canada. This demand reflects the general improvement in the economic climates of both countries, but specifically it corresponds to the high level of construction and automotive production. In particular, the sheet flooring market has remained at a high level this year and this activity is forecast to continue at an increasing pace.

Shipments of asbestos fiber to customers in areas of the world outside Canada and the U.S. continue to be at lower levels than in 1971, reflecting not only a lower level of economic activity in the United Kingdom, Europe and Japan but also the numerous disruptions of normal activities that resulted from labor strife. In addition, the lengthy work stoppage at the St. Lawrence River ports in June and July served to disrupt the normal flow of asbestos shipments that were scheduled for delivery to foreign countries.

GARLOCK HAPPENINGS

Garlock Inc., Rochester, New York, has agreed in principle to acquire Service Spring Company, Indianapolis, Indiana, a maker of truck leaf springs and related products. . . . Garlock announced the formation of the new Coatings Division and the opening of the Division's first production facility at Austin, Texas, for the mixing and packaging of a nylon-based liquid coating. The new facility has been established in a leased plant, following the purchase from the Texas State Bank of Austin of certain assets consisting of formulas, machinery and inventory formerly owned by Pace International, a subsidiary of KDI Corporation. Certain specialty chemical and coating products, now administered by Garlock's Mechanical Rubber Division, will be added to the output of the new plant. G. Parry Wiess is Vice President of the Mechanical Products Group, which includes the Coatings Division. Roland Avery, previously with Voplex Corporation, is General Manager of the Coatings Division. Alfred F. Daech, former Pace President, is Manager of the new facility at Austin.

Asbestos Magazine, 1972, October 1972
ACL Doc 12666 · Page 22 of 60
Published by AsbestosClaims.Law
asbestosclaims.law/library/12666/22

For every AC product and every machine there's a specific Albany Felt to help you make more money.

Albany's pacesetter felts help you make more profit.

SHEET MACHINES:

Specially tailored Albany Felts control drainage better and can be designed to provide any required finish. Production is increased. And they last longer.

100% Synthetic Needled Asbestos Cement Felts of the latest Albany-design work better, longer, and more profitably for you. Ask your Albany Felt Representative to prove it.

ALBANY
FELT COMPANY
OF CANADA LIMITED

Published by AsbestosClaims.Law
asbestosclaims.law/library/12666/23

CONSTRUCTION NEWS

AUGUST 1972—A surge of new homebuilding backed by a solid gain in nonresidential construction sent the Dodge Index of construction contract value to a new peak of 180. The value of contracts for future construction totaled $8,875,098,000 and topped the value recorded for August 1971 by 16%. Starting from a low of 110 in May 1970 when the credit crisis was at its worst, the recovery and growth of the Dodge Index to its current peak amounts to a gain of over 60%; a remarkable average of more than 2% per month for a period covering 28 months.

Residential contract value amounted to $4,671,116,000, a 45% increase over the same month a year ago. Both single-family homes and apartments scored large gains and all four regions of the U.S. shared in the advance. . . . *Nonresidential* building contract value jumped ahead 18% with $2,458,255,000 of new work reported. With the exception of educational buildings, all of the key nonresidential categories were sharply ahead of the depressed year-ago values. . . . *Nonbuilding* construction contracts, valued at $1,745,727,000, were down 25% from the year-ago month. Most of the drop was concentrated in electric generating plants, resulting from disputes over environmental impacts.

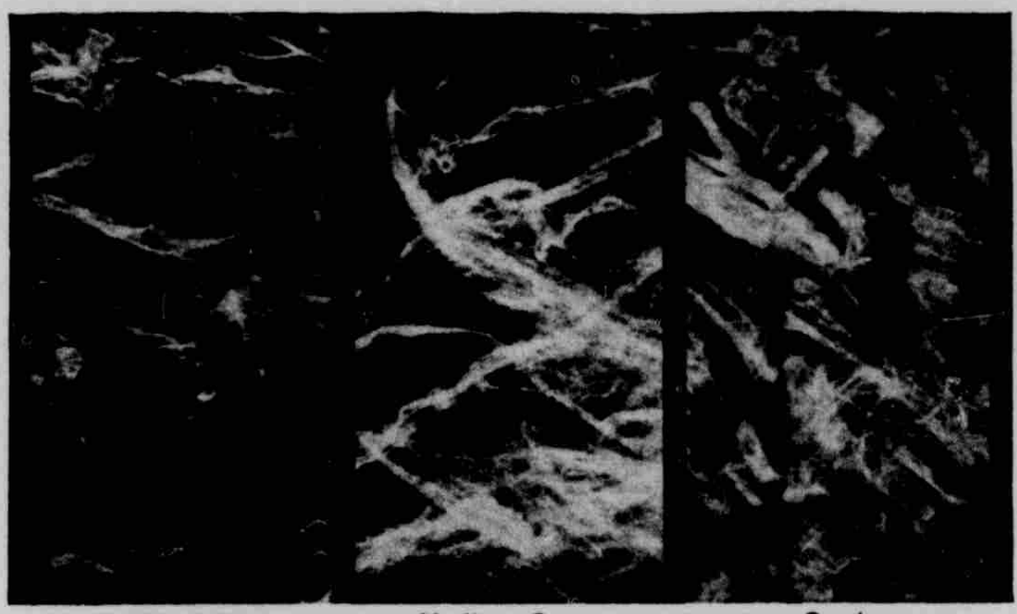
Cumulative construction contract value for the first eight months of 1972 totaled $61,512,723,000: Residential, $30,235,924,000; up 34%; Nonresidential, $18,042,316,000, up 5%; Nonbuilding, $13,234,483,000, down 8%. The eight-month total was 13% ahead of the same period in 1971. [F. W. Dodge Div., McGraw-Hill Information Systems Co.]

MOTOR VEHICLE FACTORY SALES

JULY 1972 motor vehicle sales from plants in the *United States* totaled 531,662 (passenger cars—411,925; trucks and buses—119,737). The cumulative total for the First Seven Months of 1972 was 6,510,498 compared with 6,309,110 for the same period in 1971.

Motor vehicle factory sales from plants in *Canada* totaled 71,346 in July 1972. The cumulative total for January-July 1972 was 876,708 against 799,211 for the like 1971 period. [Automobile Manufacturers Association]

Asbestos Magazine, 1972, October 1972
ACL Doc 12666 · Page 24 of 60
Published by AsbestosClaims.Law
asbestosclaims.law/library/12666/24



Well Open Medium Open Crudy

Are you using the right degree of fibre openness?

Openness of fibres can make a big difference in both processing and product properties. The right degree of fiberization, for example, can improve the filtration rate of paper stock, the consistency and texture of coatings, and the resin demand of molded brake linings.

Lake Asbestos produces 24 standard grades of fibre in three degrees of openness—Crudy, Medium Open, Well Open. Let our Technical Service Dept. recommend the best one for your process and product.

Write or call Lake Asbestos of Quebec, Ltd., Black Lake, Quebec, Canada. Or contact our agent nearest you.

SALES AGENTS

ARIZONA, NEW MEXICO
The Rinchem Co., Inc.—Phoenix
CALIFORNIA
A. J. Lynch & Co.—Los Angeles
ILLINOIS, INDIANA, WISCONSIN
Jensen-Souders Assoc., Inc.—Chicago
MICHIGAN
Baker & Collinson, Inc.—Detroit
NEW ENGLAND
D. H. Litter Co., Inc.
Ballardvale, Mass.
NEW YORK
D. H. Litter Co., Inc.—New York
OHIO
The A. C. Mueller Co.—Cleveland
PENNSYLVANIA
Van Horn, Metz & Co., Inc.—Conshohocken
CANADA
Federated Genco Ltd.—Montreal
CANADA
Federated Genco Ltd.—Toronto
COLOMBIA
Holanda Colombia, S.A.—Bogota
MEXICO
Asarco Mexicana, S.A.—Mexico City

ASARCO

LAKE ASBESTOS OF QUEBEC, LTD.

a subsidiary of American Smelting and Refining Company

Asbestos Magazine, 1972, October 1972
ACL Doc 12666 · Page 25 of 60
Published by AsbestosClaims.Law
asbestosclaims.law/library/12666/25

PRODUCTION—IMPORTS—EXPORTS

Australia—Production of non-acoustic asbestos-cement sheets for the nine-month period *July 1971-March 1972* totaled 30,367,000 square yards, compared with 29,504,000 square yards during the same nine months of the previous year. [Commonwealth Bureau of Census and Statistics, Canberra]

Canada—Producers' shipments of asbestos during *July 1972* totaled 133,896 short tons (100,819 tons from plants in Quebec and 33,077 tons from plants in Newfoundland, Ontario, British Columbia and the Yukon). The total for July 1971 was 132,365 tons . . . The cumulative total of producers' shipments for the *First Seven Months of 1972* was 928,676 tons (744,093 tons from Quebec plants and 184,583 tons from plants in the other four Provinces). The total for the same period in 1971 was 892,864 tons. [Statistics Canada, Ottawa]

Canada—For the *First Six Months of 1972*, shipments of woven and/or needled wet felts and jackets amounted to 848,310 pounds valued at $7,899,206 to Canadian papermills and 472,082 pounds valued at $3,096,670 to foreign papermills. Shipments to Canadian papermills of woven and/or needled felts used in asbestos-cement pipe or sheet-forming operations totaled 11,933 pounds valued at $75,209. [Statistics Canada, Ottawa]

Finland—Production of asbestos in Finland for the *Year 1971* totaled 10,360 metric tons. The comparative figure for 1970 was 13,625 tons. [Mineral Trade Notes, U.S. Bureau of Mines]

World—Preliminary data indicates world asbestos production for the *Year 1971* totaled 3,581,102 metric tons, an increase in output of 95,106 tons over that of 1970. Canada, the USSR and the Republic of South Africa continued to be the major producers. Preliminary production statistics by groups of countries are: North America, 1,601,675 tons; Latin America, 20,035 tons; Europe, 1,302,201 tons; Africa, 435,455 tons; Asia, 220,836 tons; and Oceania, 900 tons. In addition to the countries included in these figures, Czechoslovakia, North Korea and Romania also produced asbestos but available information was inadequate to make reliable estimates of output levels. [Mineral Trade Notes, U.S. Bureau of Mines]

Have you ordered your copy of

"The Asbestos Factbook"?

Published by AsbestosClaims.Law
asbestosclaims.law/library/12666/26

Single use disposable respirator



U.S. Bureau of Mines Approval 21B-129 for pneumoconiosis-producing and toxic dusts

Convenient, sanitary, economical! Big wrap-around filter resists clogging. Unique dual valve system prevents moisture build-up – permits effortless cool breathing.

Compact, lightweight, comfortable. Compatible with safety eyewear. Eliminates respirator cleaning and sanitary programs. For all dust producing operations.

For free sample, request on company letterhead, Welsh, 46 Magnolia St., Providence, R.I. 02909

WELSH
a textron COMPANY

IMPORTS INTO U.S.A.

Figures from U.S. Bureau of the Census

Unmanufactured Asbestos:

		MAY 1972	
Amosite, South Africa	s. tons	909	$ 175,171
Crocidolite (Blue), South Africa	s. tons	100	21,317
Chrysotile, Crude, South Africa	s. tons	370	79,756
Chrysotile, Spinning Fibers, Canada	s. tons	1,089	545,891
Chrysotile, Other, Canada	s. tons	60,750	6,781,752
Other Crudes & Fibers, Canada	s. tons	161	17,319
Yugoslavia	s. tons	843	42,611
		64,222	$ 7,663,817

Manufactured Asbestos Goods:

Asbestos yarn, slivers, etc.	Lb	295,105	$ 253,176
A-C pipes, tubes and fittings	Lb	7,423,417	334,177
A-C articles, other	Lb	1,847,531	277,263
Asbestos articles, other		..	127,086
			$ 991,702

Unmanufactured Asbestos:

		JANUARY-MAY 1972	
Amosite, Mozambique	s. tons	33	$ 4,773
South Africa	s. tons	3,540	657,763
Crocidolite (Blue), Bolivia	s. tons	29	2,966
South Africa	s. tons	1,378	311,062
Chrysotile, Crude, South Africa	s. tons	700	153,255
Chrysotile, Spinning Fibers, Canada	s. tons	5,225	2,498,935
Chrysotile, Other, Canada	s. tons	292,732	33,797,496
Other Crudes & Fibers, Canada	s. tons	1,427	162,349
Finland	s. tons	1,086	67,992
Greece	s. tons	6	1,361
Italy	s. tons	1	1,111
Mozambique	s. tons	33	4,773
South Africa	s. tons	602	113,995
Switzerland	s. tons	4	1,538
Yugoslavia	s. tons	843	42,611
		307,369	$37,821,980

Manufactured Asbestos Goods:

Asbestos yarn, slivers, etc.	Lb	1,763,255	$ 1,602,987
A-C pipes, tubes and fittings	Lb	21,190,233	1,000,030
A-C articles, other	Lb	8,262,604	1,323,152
Asbestos articles, other		..	1,015,812
			$ 4,941,981

Asbestos Magazine, 1972, October 1972
ACL Doc 12666 · Page 28 of 60
Published by AsbestosClaims.Law
asbestosclaims.law/library/12666/28

ASBESTOS CORPORATION LIMITED

ASBESTOS

North American Representatives

■ CANADA

Albion Asbestos Packings Ltd.
2195 Ekers Ave.
Montreal 256, Que.

Canadian Asbestos Ontario Ltd.
286 King Street East
Toronto 2, Ont.

■ MEXICO

ACOSA
Apartado Postal 8600
Mexico 1, D.F.

■ UNITED STATES

BALTIMORE, MD. 21202
Wallace & Gale Co.
115-119 So. Gay St.

BUFFALO, N.Y. 14210
Meyers Chemicals Inc.
290 Larkin St.

CHICAGO, ILL. 60645
Donald R. Fitzgerald Co.
5875 N. Lincoln Ave.

CINCINNATI, OHIO 45203
C. L. Zimmerman Co.
N 203 Cincinnati Union Terminal

CLEVELAND, OHIO 44102
Chem-Materials Co., Inc.
6400 Herman Avenue

DETROIT, MICH. 48219
Gerald J. Fahey
16772 Plainview Road

FORT WORTH, TEXAS 76106
Lehman-Phillips, Inc.
2550 Glendale Ave.

HAYWARD, CAL. 94544
Central Solvents & Chemicals Co.
31702 Hayman St.

KENT, WASH. 98031
Central Solvents & Chemicals Co.
7601 South 190th St.

NEW ORLEANS, LA. 70126
D. F. Condon Co.
Box 26012
Chef Menteur Station

SOUTH PLAIN FIELD, NEW JERSEY 07080
Whittaker, Clark & Daniels, Inc.,
1000 Coolidge St.

PHILADELPHIA, PA. 19140
Charles A. Wagner Co. Inc.
4455 N. 6th St.

PORTLAND, ORE. 97302
Central Solvents & Chemicals Co.
10821 North Lombard St.

ST. PAUL, MINN. 55114
MacArthur Co.
936 Raymond Ave.

SALT LAKE CITY, UTAH 84110
Central Solvents & Chemicals Co.
407 West 17th South St.

SANTA FE SPRINGS, CAL. 90670
Central Solvents & Chemicals Co.
13900 Carmenita Road

SPOKANE, WASH. 99206
Central Solvents & Chemicals Co.
6308 East Sharp Avenue

4-72

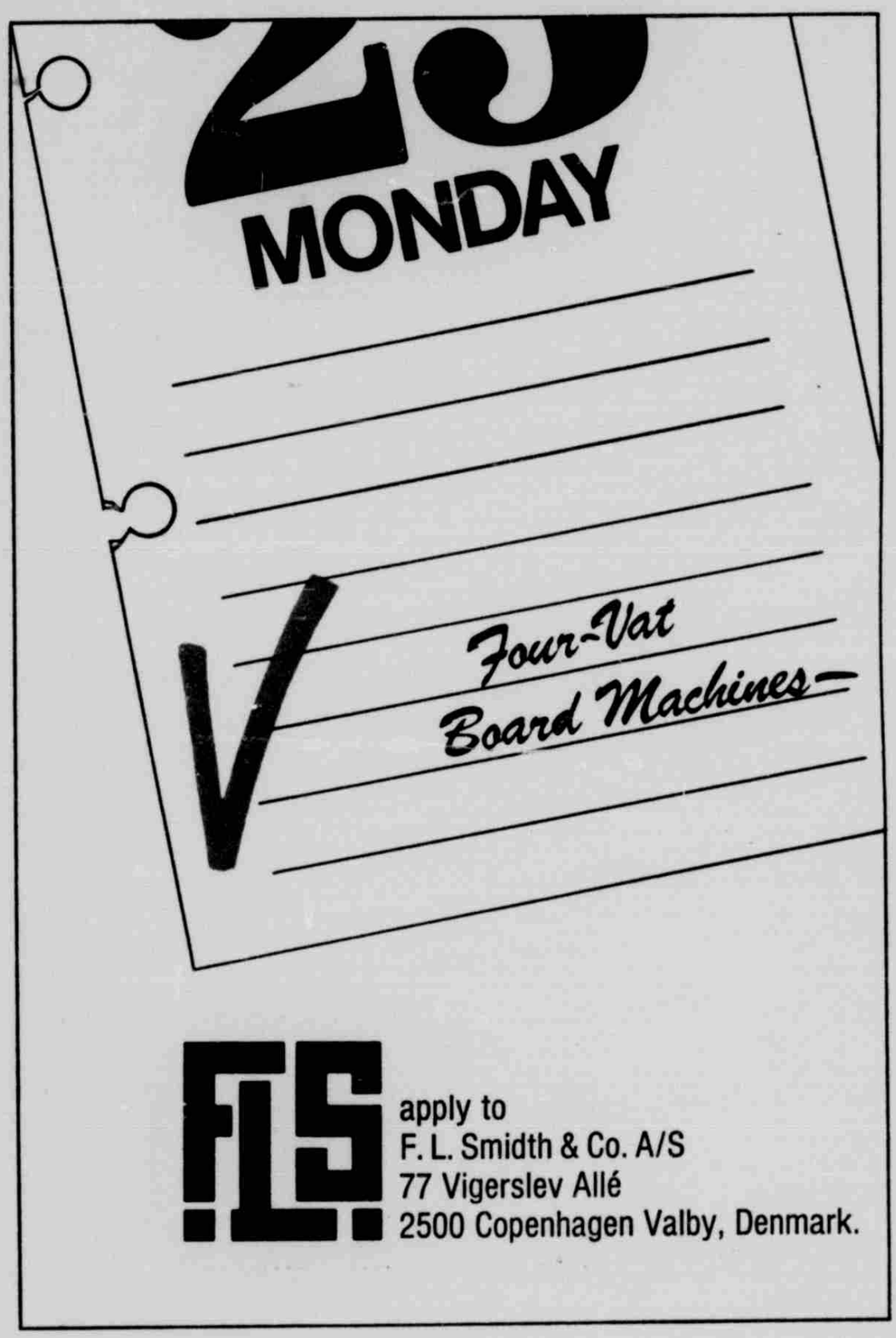
Published by AsbestosClaims.Law
asbestosclaims.law/library/12666/29

EXPORTS FROM U.S.A.

Figures from U.S. Bureau of the Census

Unmanufactured Asbestos:		MAY 1972	
Fibers not further processed than beaten, washed or graded to length	s. tons	1,717	$ 329,947
Waste and refuse	s. tons	3,553	458,768
		5,270	$ 788,715
Manufactured Asbestos Goods:			
A-C shingles and clapboard	Lb	1,453,186	$ 158,989
Other a-c or fiber-cement articles	Lb	614,306	48,931
Gaskets	Lb	26,320	70,661
Packing	Lb	380,279	466,623
Heat or sound insulation		..	119,639
Textiles and yarns	Lb	871,546	282,882
Protective clothing		..	6,711
Mfrs. other than friction materials		..	263,667
Cl. facings and linings for auto. use	No	62,969	70,356
Other clutch facings and linings	No	134,387	67,928
Brake linings for automotive use	Lb	419,761	284,284
Other brake linings	Lb	293,314	246,772
			$ 2,087,443
Unmanufactured Asbestos:		JANUARY-MAY 1972	
Fibers not further processed than beaten, washed or graded to length	s. tons	11,212	$ 1,691,658
Waste and refuse	s. tons	10,434	1,345,154
		21,646	$ 3,036,812
Manufactured Asbestos Goods:			
A-C shingles and clapboard	Lb	9,547,011	$ 1,002,113
Other a-c or fiber-cement articles	Lb	2,589,577	344,606
Gaskets	Lb	247,988	489,957
Packing	Lb	1,964,109	2,732,658
Heat or sound insulation		..	783,850
Textiles and yarns	Lb	7,467,176	1,658,042
Protective clothing		..	79,255
Mfrs. other than friction materials		..	1,690,239
Cl. facings and linings for auto. use	No	984,954	780,760
Other clutch facings and linings	No	517,654	241,147
Brake linings for automotive use	Lb	2,843,764	2,018,577
Other brake linings	Lb	1,239,113	1,001,342
			$12,822,546

Asbestos Magazine, 1972, October 1972
ACL Doc 12666 · Page 30 of 60
Published by AsbestosClaims.Law
asbestosclaims.law/library/12666/30


MONDAY
Four-Vat
Board Machines—
FLS
apply to
F. L. Smidth & Co. A/S
77 Vigerslev Allé
2500 Copenhagen Valby, Denmark.

EXPORTS FROM CANADA

Figures from Statistics Canada

MAY 1972

Short Tons

Unmanufactured Asbestos:	Crude	Milled Gp 3	Milled Gp 4&5	Shorts Gp 6-9
Western Europe	..	814	14,992	12,432
Eastern Europe	..	..	3,093	..
Middle East	..	40	3,172	392
Africa	..	..	220	26
Asia	..	177	5,874	5,772
Oceania	..	30	5,000	1,633
So. & Cen. America & Antilles	..	20	4,469	2,223
United States	..	1,230	18,255	45,338
	..	2,311	55,075	67,816

The total amount of unmanufactured asbestos exported in *May 1972* was 125,202 short tons, valued at $17,232,000.

Manufactured Asbestos Goods:

Brake linings and facings	$ 45,000
Asbestos-cement building materials	208,000
Other basic products	222,000
	$ 475,000

JANUARY-MAY 1972

Unmanufactured Asbestos:	Crude	Milled Gp 3	Milled Gp 4&5	Shorts Gp 6-9
Western Europe	13	3,962	76,747	51,436
Eastern Europe	..	50	14,702	396
Middle East	..	40	8,925	2,254
Africa	..	..	3,396	1,191
Asia	5	965	31,431	39,594
Oceania	..	37	17,825	3,789
So. & Cen. America & Antilles	..	199	27,179	12,220
United States	1	6,193	86,575	205,781
	19	11,446	266,780	316,661

The total amount of unmanufactured asbestos exported in *January-May 1972* was 594,906 short tons, valued at $84,588,000.

Manufactured Asbestos Goods:

Brake linings and facings	$ 246,000
Asbestos-cement building materials	955,000
Other basic products	1,062,000
	$ 2,263,000

Asbestos Magazine, 1972, October 1972
ACL Doc 12666 · Page 32 of 60
Published by AsbestosClaims.Law
asbestosclaims.law/library/12666/32



Gold Bond uses the best quality control devices known to man: people.

Sure we automated our milling equipment. Five floors of it.

But we want to be certain the particular grade of asbestos you need meets your requirements for uniformity.

So people monitor the automated mills on closed-circuit TV.

And people test each batch.

Our technicians make wet screen analyses to evaluate length and distribution of fibre...viscosity tests on absorptive characteristics... measure grit content... whatever it takes to be sure the asbestos meets your exact specifications. Batch after batch.

Whatever your asbestos needs, check first with National Asbestos Mines, Thetford Mines, P.Q., Canada. Or write to National Gypsum Company, Buffalo, New York 14202.

Gold Bond
ASBESTOS FIBRES

Asbestos Magazine, 1972, October 1972
ACL Doc 12666 · Page 33 of 60
Published by AsbestosClaims.Law
asbestosclaims.law/library/12666/33

LATEST ASBESTOS PRICES

ARIZONA

PER TON OF 2000 LBS., F.O.B. GLOBE, ARIZONA

(AS OF AUGUST 1, 1968)

	U.S. DOLLARS
No. 1 Crude	$1410.00 — $1650.00
No. 2 Crude	700.00 — 950.00
AAA	.. 800.00
Group No. 3 (Non-Ferrous Filtering-Plastic)	425.00 — 700.00
Group No. 4 (Non-Ferrous Filtering-Plastic)	400.00 — 500.00
Group No. 5 (Non-Ferrous Filtering-Plastic)	385.00 — 425.00
Group No. 6 (Non-Ferrous Plastic)	.. 250.00
Group No. 7 (White Shorts)	65.00 — 90.00

CANADA

PER TON OF 2000 LBS., F.O.B. MINE

(AS OF JULY 1, 1971)

	CANADIAN CURRENCY
Crude No. 1	$ .. $1615.00
Crude No. 2	.. 875.00
No. 3 (Spinning Fiber)	412.00 — 675.00
No. 4 (Asbestos-Cement Fiber)	227.00 — 383.00
No. 5 (Paper Fiber)	164.00 — 195.00
No. 6 (Paper & Shingle Fiber)	.. 120.00
No. 7 (Shorts)	52.00 — 100.00

CASSIAR

PER TON OF 2000 LBS., F.O.B. NORTH VANCOUVER, B.C.

(AS OF JANUARY 1, 1971)

	CANADIAN CURRENCY
AAA Grade (Non-Ferrous Spinning Fiber/Canadian Gp 3)	$ 877.00
AA Grade (Non-Ferrous Spinning Fiber/Canadian Gp 3)	697.00
A Grade (Non-Ferrous Spinning Fiber/Canadian Gp 3)	529.00
AC Grade (Non-Ferrous Spinning Fiber/Canadian Gp 3)	380.00
CC Grade (Non-Ferrous Spinning Fiber/Canadian Gp 3)	380.00
AK Grade (Asbestos Cement Fiber/Canadian Gp 4)	263.00
CP Grade (Asbestos Cement Fiber/Canadian Gp 4)	248.00
AS Grade (Asbestos Cement Fiber/Canadian Gp 4)	228.00
CT Grade (Asbestos Cement Fiber/Canadian Gp 4)	223.00
AX Grade (Asbestos Cement Fiber/Canadian Gp 5)	208.00
CY Grade (Asbestos Cement Fiber/Canadian Gp 5)	147.00
AY Grade (Asbestos Cement Fiber/Canadian Gp 5)	147.00

VERMONT

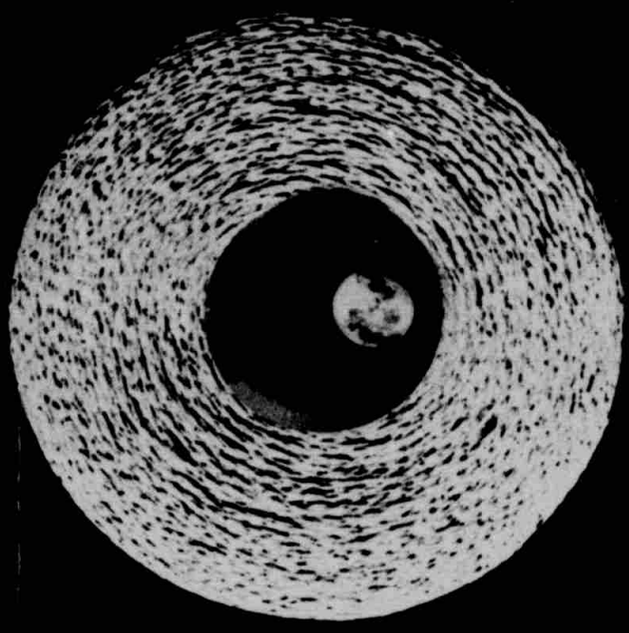
PER TON OF 2000 LBS., F.O.B. MORRISVILLE, VERMONT

(AS OF JANUARY 3, 1972)

	U.S. DOLLARS
Grades 3T & 3Z (Fiber)	$ 400.00—$ 428.00
Grades 4A thru 4T (Fiber)	218.00— 371.00
Grades 5D thru 5R (Fiber)	157.50— 185.00
Grade 6D (Waste)	.. 114.00
Grades 7D thru 7T (Shorts)	48.00— 95.00
Grade 7TF Floats (Shorts)	.. 43.50
Grade 8S (Shorts)	.. 30.00
Hooker No. 1 (Packaged in 50-lb. Woven Poly Bags)	436.00
Hooker No. 2 (Packaged in 100-lb. Woven Poly Bags)	218.00

Asbestos Magazine, 1972, October 1972
ACL Doc 12666 · Page 34 of 60
Published by AsbestosClaims.Law
asbestosclaims.law/library/12666/34

WE SET OUR SIGHTS FOR THE MOON AND MADE IT



UNIROYAL

The same dependable high quality ASBESTON that went to the moon on seven round trips is available to you in a wide variety of fabrics and yarns for every application. As yarn or fabric, ASBESTON combines the best of asbestos with natural and man made fibers to meet nearly every need the market can create.

If you need high temperature resistance, strength and dependability, let us give you the facts about ASBESTON. Contact:

UNIROYAL FIBER & TEXTILE 350 Columbus Road, Winnsboro, S C 29180

MINERAL FACTS & PROBLEMS, 1970 EDITION

Part 21: Outlook/Transportation & Textiles

Asbestos is an important part of many types of friction materials used in automobiles, trucks and other transportation vehicles. In addition to using asbestos brake linings, today's motor cars are equipped with automatic transmissions that get their drive from metal transmission discs which are covered with a super-tough paper containing Crocidolite asbestos. The average automobile with power shift contains 8 to 12 discs and although the quantity of asbestos in each transmission is small, the annual output of more than six million automatic transmissions requires disc paper production in the hundreds of tons. . . . A new composition brake shoe unit containing asbestos has been developed that is designed to meet the critical braking requirements of the new 150-mile-per-hour passenger train systems. . . . In 1968, almost 11 million linear feet of woven brake linings were manufactured containing asbestos yarn, tape or cloth. Based on an estimated forecast of the number of motor vehicles to be produced in the year 2000 (about 4 times that of 1968) and on the assumption that the use of asbestos per vehicle will decline to 60% of the 1968 level, the forecast base for asbestos demand in user-operated vehicles is projected to 60,000 tons. Increasing the number of transportation vehicles and equipment having parts made of asbestos or maintaining the present quantity used per vehicle could result in a demand as high as 100,000 tons. Even if the forecast vehicle production is not attained, the lowest demand should not be less than 50,000 tons.

Demand for asbestos used in textiles was projected to 56,000 tons in the year 2000, based on the forecast growth rate for gross national product. Asbestos textiles are used in the manufacture of yarn and cloth for safety clothing, packings, brake linings, filters, etc. Carded fibers are 100% asbestos and are used for the clarification of liquids. Asbestos lap and rovings are used to insulate electrical conductors and heating elements. The projected growth of asbestos demand in electrical appliances, coupled with design improvements that increase asbestos use, could result in increased asbestos demand. Due to its inherent incombustibility and thermal stability, asbestos cloth is required by all maritime specifications as well as many Government specifications and numerous industrial and utility power plants to hold pipe or boiler insulation in place and to serve as a permanent protection and fireproof jacket. Specially processed lint-free asbestos cloth serves as a protective shield in "clean" areas adjacent to nuclear reactors. . . . Since competition from substitute materials is not likely to be important and no competitive factor is considered, the forecast base of 56,000 tons is taken as the low forecast. Based on past production statistics and assuming an increase in asbestos textile usage, the high projected demand in 2000 could be 60,000 tons.

NEXT ISSUE—OUTLOOK/PLASTICS & OTHER USES

Asbestos Magazine, 1972, October 1972
ACL Doc 12666 · Page 36 of 60
Published by AsbestosClaims.Law
asbestosclaims.law/library/12666/36

FLINTKOTE ASBESTOS



Take it from our very best customer

That's us. The Flintkote Company. We recommend it to you too. After all, we use Flintkote asbestos in many Flintkote products. Like floor tile; roofing shingles; felts and building papers; industrial coatings; and pipe.

Flintkote asbestos makes lots of things better. Perhaps *your* products. Asbestos is inert, fireproof, non-oxidizing, moisture-proof, bug-proof. And inexpensive. Flintkote can meet and control production to exacting specifications.

Flintkote offers you the finest in a wide variety of Chrysotile Asbestos Fibers and the know-how to help you choose the best for your purpose. Call on Flintkote now for fast service.

FLINTKOTE®

THE FLINTKOTE COMPANY
400 WESTCHESTER AVENUE
WHITE PLAINS, NEW YORK 10604

Published by AsbestosClaims.Law
asbestosclaims.law/library/12666/37

CHANGE OF OWNERS AT HAVELOCK

Swaziland and Turner & Newall Ltd. have signed an agreement whereby ownership of the Havelock Asbestos Mine was transferred from New Amianthus Mines (Pty) Ltd., a T&N subsidiary incorporated in South Africa, to Havelock Asbestos Mines (Swaziland) Ltd., a new company to be incorporated in Swaziland. It will have a paid-up capital of R8 million, with T&N through New Amianthus to subscribe 60% of the share capital. The Swazi nation will receive 20% of the share capital free of charge and will purchase the remaining 20% for $1.2 million, to be paid over a six-year period out of dividends to which Swaziland will become entitled on the purchased shares. Havelock employs more than 1700 Swazis and yearly produces over 35,000 tons of Chrysotile. [Mining Journal]

BANK LOAN FOR TIMMINS PROPERTY

The Mercantile Bank of Canada, 64.5% owned by the First National City Bank of New York, will provide a $12 million loan to help finance production at the asbestos property owned by Allied Mining Corporation Ltd., located in Midlothian Township, Northern Ontario, about 43 miles south of Timmins. $18 million is needed and the $6-million balance will be provided by Allied Mining and United Asbestos Corporation Ltd., which holds an equity interest in Allied. Approval and ratification of the agreement must be obtained from the shareholders of both companies. The fiber concerned is of the cross-fiber Chrysotile variety and mostly falls into Groups 5, 6 and 7.

ANGLO WESTERN & BRANTA EXPLORING

Sphere Development Corporation Ltd. (N.P.L.) sold its 58 asbestos claims located in the Clinton area of the Yukon to Anglo Western Minerals Ltd. The sale calls for a royalty payment to Sphere of 25c per ton on all ore produced from the property, up to an aggregate total of $1 million. Anglo also holds 22 asbestos claims adjacent to the property. . . . Anglo and a partner company, Branta Explorations Ltd., are conducting an exploration program on the property including mapping, geophysics, stripping and diamond drilling and consideration is being given to the feasibility of producing the one million tons of asbestos ore already outlined. The fiber falls within the Group 4 category.

MINING RIGHTS PURCHASED AT BLACK LAKE

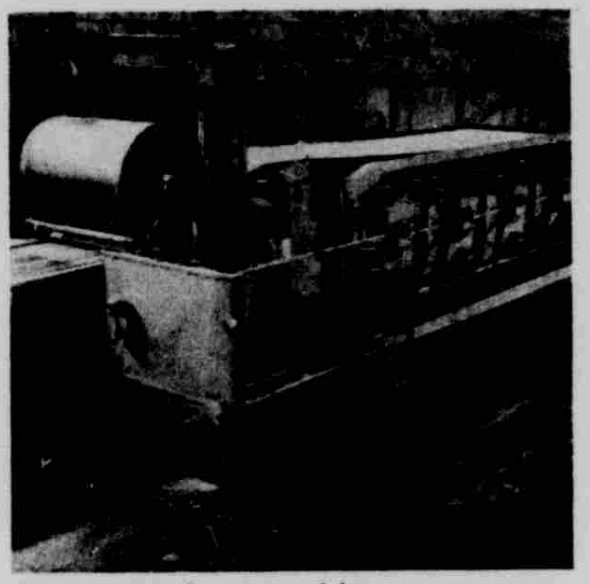
United Asbestos Corporation Ltd. and Lake Asbestos of Quebec Ltd. have reached an agreement concerning the purchase from Asbestos Corporation Ltd. of mining rights adjacent to the LAQ open pit at Black Lake, Quebec. The purchase price is $1,750,000. The acquisition will allow increased access to the present open pit which is being worked under a joint venture between LAQ and United and minable reserves at the joint venture will be increased by some 45 million tons.

Asbestos Magazine, 1972, October 1972
ACL Doc 12666 · Page 38 of 60
Published by AsbestosClaims.Law
asbestosclaims.law/library/12666/38

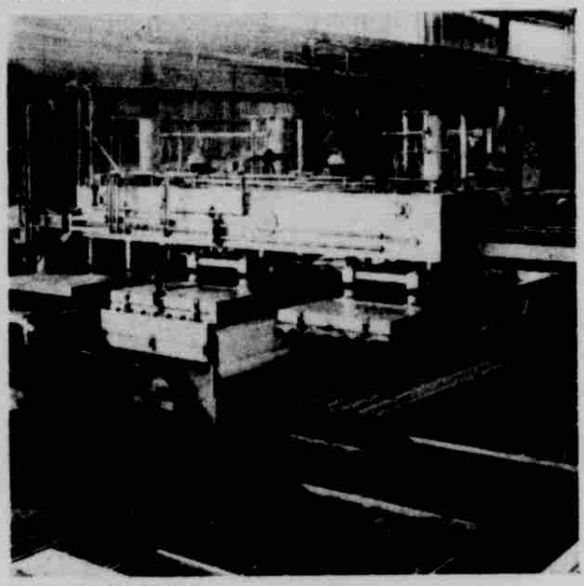
Choose performance and efficiency



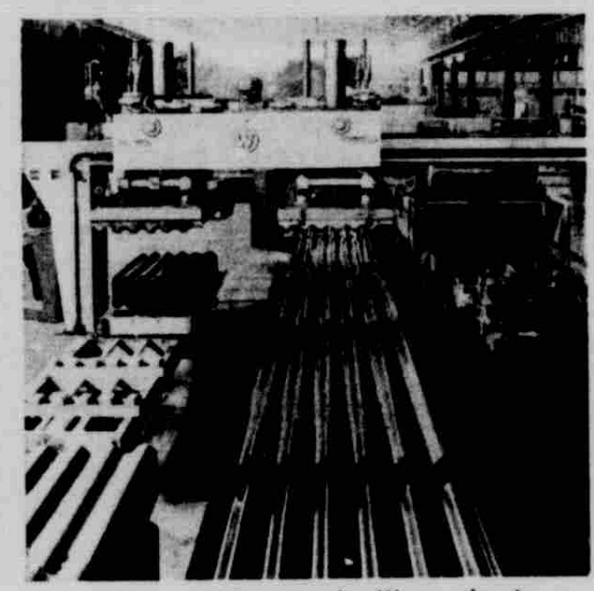
Mazza machine without top felt



Automatic sheet machine



WEHRHAHN corrugating system



Sheet destacking and oiling plant

What are your specific problems? Modernisation of sheet-machine? – Production of special sheets of 9 m length? – Up-to-date pneumatic corrugator? – Plant for pressure pipes? – Automatic socket pipe installation? – Modern laboratory equipment? – Efficient plant for prefabricated walls, sandwich panels (made of asbestos-cement sheets and foamed plastics)? Presses or cutting-presses for high quality sheets? – Automatic consistency control of water, asbestos and cement, during production? – Remember, WEHRHAHN represents more than a man's age of experience with references all over the world! Why not contact them? Ask for up-to-date quotations!

Choose WEHRHAHN!

GEBR. WEHRHAHN
MASCHINENFABRIKEN DELMENHORST · WILDESHAUSEN UND DINKLAGE
287 Delmenhorst 1, Germany, Linoleumstraße, P.O.Box 209, ☎ (04221) 4591, Tx 0249284

Published by AsbestosClaims.Law
asbestosclaims.law/library/12666/39

BIRTHDAY GREETINGS TO . . .

E. G. Robinson, Vice President, Minorex Ltd., subsidiary of Asbestos Corporation Ltd., Toronto, Ontario, November 15.

J. J. Mangan, President & Managing Director, Hedman Mines Ltd., Timmins, Ontario, November 16.

A. V. Richardson, General Manager, Humes Ltd., Melbourne, Victoria, Australia, November 17.

E. W. Russell, Operations Manager, Bennettsville Works, Thermoid Division, H. K. Porter Company, Inc., Bennettsville, South Carolina, November 17.

Gorden E. MacDonald, Chairman, Asbestos Corporation Ltd., Thetford Mines, Quebec, November 19.

Thornton R. Smith, Vice President-Finance, Johns-Manville Corporation, Denver, Colorado, November 19.

Stanislaw Stachelski, Chairman, Valley Asbestos (Pty) Ltd., Johannesburg, South Africa, November 19.

J. J. Walsh, Vice President-Sales, Canadian Asbestos Company, St. Laurent, Montreal, Quebec, November 19.

Thomas J. Gillick, Jr., Product Manager for Asbestos, Paper & Millboard, Industrial Products Division, GAF Corporation, Greenwich, Connecticut, November 20.

Philip E. Holmes, President, Pacific Asbestos Corporation, Copperopolis, California, November 20.

A. Procter, Director, Turner & Newall Ltd., Manchester, Lancashire, England, November 20.

H. C. Papritz, Vice President & Treasurer, Nicolet Industries, Inc., Ambler, Pennsylvania, November 21.

J. A. D. Marcotte, Honorary Director, Asbestos Corporation Ltd., Thetford Mines, Quebec, November 22.

Louis J. Knippa, Vice President-Manufacturing, Philip Carey Company, Cincinnati, Ohio, November 24.

J. T. Ward, Superintendent-Vancouver Operations, Asbestos Wharf, Cassiar Asbestos Corporation Ltd., North Vancouver, British Columbia, November 24.

William H. Parker, General Manager, Cold Storage & Wall Insulation Division, Canadian Asbestos Company, St. Laurent, Montreal, Quebec, November 25.

Walter Inglis Stewart, General Manager & Director, Cape Asbestos Insulations (Pty) Ltd., Benoni South, Transvaal, South Africa, November 25.

Russell L. Pellett, Director, Hedman Mines Ltd., Bethlehem, Pennsylvania, November 27.

John G. (Jack) Ordway, Jr., President, MacArthur Company, St. Paul, Minnesota, November 29.

Frank G. Ruggles, President, Frank G. Ruggles Company, Inc., Short Hills, New Jersey, December 2.

K. Fred Netter, President, Supradur Manufacturing Corporation, Wind Gap, Pennsylvania, December 3.

Frank S. Williams, Product Manager-Asbestos, Asbestos Group,

Asbestos Magazine, 1972, October 1972
ACL Doc 12666 · Page 40 of 60
Published by AsbestosClaims.Law
asbestosclaims.law/library/12666/40



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: TOYKO (JAPAN); GENEVA (SWITZERLAND)

PACIFIC ASBESTOS CORPORATION

MOTHER LODE® ASBESTOS

CHRYSOTILE FIBRE
GROUPS 4 through 7

P.O. BOX 127, COPPEROPOLIS, CALIFORNIA 95228

Telephone: 209—785-2201

Telex: 359-458 Cable Address: Chrysotile

Published by AsbestosClaims.Law
asbestosclaims.law/library/12666/41

Thermoid Division, H. K. Porter Company, Inc., Charlotte, North Carolina, December 3.

J. V. Jones, Executive Vice President, Armstrong Cork Company, Lancaster, Pennsylvania, December 4.

George H. Martens, Jr., Vice President-Corporate Marketing, Johns-Manville Corporation, Denver, Colorado, December 5.

John Hasselbach, Vice President-Sales, Philip Carey Company, Cincinnati, Ohio, December 8.

David G. Colwell, Treasurer-International, Johns-Manville Corporation, Denver, Colorado, December 10.

A. Robert Garofalo, Vice President in charge of Public Relations, GAF Corporation, New York City, December 11.

BOOKS, ARTICLES & PAPERS

Mines Bureau Handbook—Explains how to apply for U.S. Bureau of Mines financing for scientific research and how to administer research grants awarded by the Bureau; summarizes the mining, mineral, energy and industrial safety areas of technology the Bureau is interested in furthering through research grants; lists categories of organizations that are eligible to apply. [Available without cost from the Office of University Relations, Bureau of Mines, 2510 Interior Building, Washington, D. C. 20240]

Mineral Exploration, Mining & Processing Patents 1971—Subject-classified, indexed volume of abstracts, by Oliver S. North, covering significant U.S., Canadian and British patents issued in 1971 on mineral exploration, mining, beneficiation, concentration, extraction and refining; also includes selected patents issued in Germany and the USSR. [Hard Cover; $25.00]

Adhesives, Pollution—Among the books recently published by Noyes Data Corporation, Park Ridge, New Jersey, are: Adhesives 1972 ($36.00); Noncatalytic Auto Exhaust Reduction 1972, by D. Post ($36.00); Pollution Analyzing and Monitoring Instruments 1972 ($36.00); Pollution Control Companies U.S.A. 1972 ($24.00); Fine Dust and Particulates Removal 1972, by H. R. Jones ($36.00). [Brief abstracts are available on request]

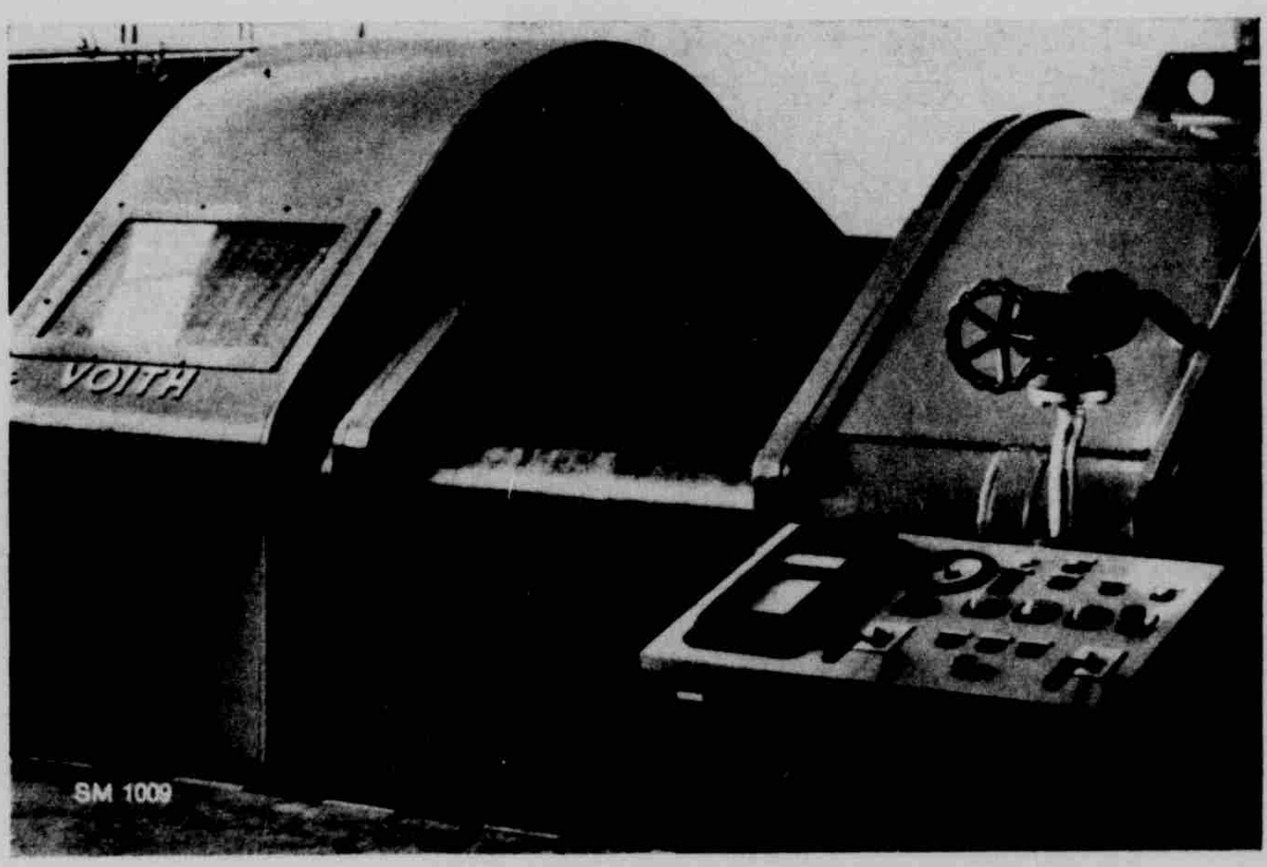
ISA Literature—The following publications are available from the Instrument Society of America, 400 Stanwix Street, Pittsburgh, Pennsylvania 15222: 1972 ISA Instrumentation Publications Catalog (free); Digital Computer Applications to Process Control ($42.00); Electrical Instruments in Hazardous Locations ($24.00); ISA Electrical Safety Publications (free).

USSR Construction Materials—Articles, written in Russian, that appeared in recent issues of "Construction Materials" include: The Building Material Industry of the Czechoslovakian Socialist Republic; Fiber Production by the Flow Method; Equipment for Painting Asbestos-Cement Constructions.

Asbestos Magazine, 1972, October 1972
ACL Doc 12666 · Page 42 of 60
Published by AsbestosClaims.Law
asbestosclaims.law/library/12666/42

Why destroy brand-new beautiful pipes ?

You know why and so do we!



Look at our semi-automatic bursting press for 1275 tons maximum axial force.

VOITH

J. M. VOITH A. G. · POB 168 · A 3100 ST. POELTEN · AUSTRIA

Published by AsbestosClaims.Law
asbestosclaims.law/library/12666/43

NOTES FROM 1971 ANNUAL REPORTS

BBA GROUP LTD.

Group sales of BBA Group Ltd., Cleckheaton, Yorkshire, England, again reached a record level in 1971. At £38,486,253, the figure was 5.8% higher than in the previous year. Net balance from trading rose by 15.2% and operating profit rose by 28.7%. Companies in the United Kingdom achieved a 14.2% increase in profit with a 4.2% increase in turnover, and overseas companies' profit increased 39.5% on a turnover which rose by 7.6%. The overseas firms provided 47.8% of Group sales and 62.6% of Group pre-tax profit, an increase over the previous year that was largely attributable to the Group's interests in Germany and in the United States. Taxation absorbed 42.3% more than in 1970, leaving a net profit of £2,014,417. Direct exports from the U.K. together with sales by overseas companies accounted for 58.9% of Group sales. Acquisition of Charles Hirst (Cleckheaton) Ltd. provided BBA with a freehold site of approximately 8½ acres adjoining its main site at Cleckheaton. In March 1972, the name of the Hirst company was changed to BBA Properties Ltd.

Manufacture and marketing of friction and anti-friction materials proved highly successful both at home and abroad and all companies concerned showed profits. World external sales increased by 8% and profit rose by 43%. . . . BBA's brake liners, disc pads and clutch facings are made principally in the Group's factories in the U.K., West Germany and Spain, and in Australia by an associated company. In addition, the Group has licensees throughout the world. . . . A satisfactory increase in sales at Mintex Ltd. offset the continued sharp increases in costs of wages and raw materials and an excellent trading result was achieved. Significant changes are taking place in the marketing and distribution of friction materials, particularly on the replacement side. . . . In spite of some slackening in West German business generally, Textar G.m.b.H. was able to maintain its level of activity. The company received a contract from the Polish State Authorities for the installation of a large manufacturing plant for friction materials and allied products. . . . In Australia, Bendix Mintex Pty Ltd. continued to progress and produced excellent trading results. . . . Friction materials traded under the names of Mintex, Chekko, Textar, Frenosa and Bendix Mintex are distributed internationally by the manufacturers, either direct to customers or through agents. Mintex S.A., an agency company based in France, enjoyed a successful year and plans are at hand for its moving to new premises early in 1973. . . . The agent in Canada for friction materials and industrial products, Mintex Federal Ltd., also bonds brake liners and manufactures wire belting. Its sales of friction materials rose slightly but overall sales and profit were at a lower level than in 1970.

The manufacture and marketing of belting and asbestos products

Asbestos Magazine, 1972, October 1972
ACL Doc 12666 · Page 44 of 60
Published by AsbestosClaims.Law
asbestosclaims.law/library/12666/44


BALANGERO MINE
BIGGEST ASBESTOS MINE OF EUROPE
PRODUCER OF FIRST QUALITY
ASBESTOS FIBRES
FOR EVERY USE
FREE FROM
TALC
AMIANTIFERA DI BALANGERO
AMIANTO GREGGIO IN FIBRE
PRODUCT OF
ITALY
BALANGERO (TORINO)
AMIANTIFERA DI
BALANGERO
Via Andrea Doria, 44
20124 MILANO (Italy)
TELEX 32293

also proved successful both domestically and abroad. These products consist of belting and webbings for conveying and other purposes, and asbestos yarn, cloth, tape, jointings and packings. Scandura belting is manufactured at the Group's factories in the U.K. and the U.S. and at the factory of a licensee in the Republic of South Africa. The bulk of BBA's asbestos products is manufactured at U.K. facilities. . . . Scandura Ltd., Cleckheaton, continued to devote its research and development effort toward maintaining its technical leadership in the field of process belting and good progress was made in a number of specialized areas at Scandura Inc., located in Charlotte, North Carolina. Small extensions to the works at Charlotte were completed during the year and plans are in process for a substantial increase in manufacturing capacity which will require the use of a new site. . . . The Mintex licensee in Turkey began production of brake lining in the second half of the year.

In spite of uncertainties facing industry as a whole, BBA Group Ltd. anticipates a satisfactory increase in profit in 1972.

ASBESTOS STOCK QUOTATIONS

CLOSE—SEPTEMBER 19, 1972

Abitibi Asbestos	*$2.25
Advocate Mines	*$1.45
Allied Mining	*$3.25
Asarco	19¼
Armstrong Cork	33½
Armst Cork (pfd 3.75)	55½
Asbestos Corporation	*$21.125
Bendix	41½
Bendix (pfd 3)	68
Carlisle	21⅜
Cassiar Asbestos	*$16.75
Cerro Corporation	14⅛
Certain-teed Products	21⅛
C-teed (pfd .90)	40
Conwest	*$6.50
Flintkote	24⅜
F-kote (pfd-A 4.50)	74⅜
F-kote (pfd-B 2.25)	34¼
Freeport Minerals	19⅞
GAF Corporation	21½
GAF (pfd 1.20)	27
Garlock	18⅛
Grace	26
Gulf & Western	33½
G&W (when traded)	11
G&W (pfd 1.75)	110
G&W (pfd 3.50)	144¾
G&W (pfd 3.87)	64½
G&W (pfd 5.75)	70½
Illinois Central	32½
Ill. Central (pfd-A 6)	146¼
Ill. Central (pfd 3.50)	57½
Jim Walter Corporation	26⅝
Jim Walter (pfd 1.60)	31⅞
Johns-Manville	29¾
Kennecott Copper	22¾
Maremont	36⅞
McAdam Mining	*$.43
National Gypsum	17⅛
Pathfinder	*$1.05
Porter (pfd 5.50)	82½
Raybestos-Manhattan	27¾
Rio Algom Mines	*$20.00
Royal Industries	10⅛
Unarco	12⅜
Union Carbide	45⅝
Uniroyal	16½
Uniroyal (pfd 8)	102¾
United Asbestos	4

*Canadian Currency
(Sources: The Wall Street Journal & The Northern Miner)

Asbestos Magazine, 1972, October 1972
ACL Doc 12666 · Page 46 of 60
Published by AsbestosClaims.Law
asbestosclaims.law/library/12666/46



▲ Hydraulic press for dewatering of sheets and slates.
Pressing power: 10 000 tons.

Bell Engineering Works Ltd.
CH — 6010 Kriens / Lucerne
Telex 78 167 bell ch
Switzerland

Manufacturer of Asbestos Cement Machines

Slurry preparation equipment

Sheet machines
Stamping presses for cutting slates
Stacking presses for high density sheets
Cross conveyors
Corrugators

Pipe machines for high pressure pipes
Pipe and socket lathes
Cutting-off lathes
Presses for water pressure test

Auxiliary Equipment
Waterring vacuum pumps

Experience for decades are guarantee of well-devised and reliably working machines

Published by AsbestosClaims.Law
asbestosclaims.law/library/12666/47

MEN ON THE MOVE

THE CAPE ASBESTOS CO. LTD.

L. G. Stopford Sackville has been appointed Deputy Chairman of Cape Asbestos, following the relinquishing of that post by **S. Spiro.** Mr. Spiro remains a Director of the company.

CERTAIN-TEED PRODUCTS CORPORATION

S. Davidson Herron, Jr., Financial Vice President and Treasurer of INA Corporation, was elected to the Executive Committee of Certain-teed. He has been a member of Certain-teed's Board of Directors since February of this year.

EVERITE LTD.

Hans Thoeni has been appointed Managing Director of Everite effective September 1st, 1972, succeeding **Hans R. Benecke** who retired after 31 years of service with the company. A native of Switzerland, Mr. Thoeni joined Everite in 1969 as General Manager of the Asbestos Cement Division. . . . **W. Melvin** retired from Everite at the end of July with 28 years of service with the firm. His position of Factory Secretary at Brackenfell has been filled by **H. Weise.**

GULF + WESTERN INDUSTRIES, INC.

David N. Judelson, President, announced the election of **James A. Graham** as Vice President of International Manufacturing Operations. Mr. Graham will be responsible for G + W's industrial activities abroad and for coordinating these activities with the company's domestic manufacturing operations.

SIMPLICITY ENGINEERING COMPANY

Frederick K. Schwarz is now Vice President-General Manager of Simplicity, according to **James A. Van Sant,** Group Vice President of General Steel Industries, Inc. Mr. Schwarz had been a Consultant to GSI, the parent corporation of Simplicity. He formerly was associated with American Zinc Company and with Olin Corporation.

SPROUT, WALDRON & CO., INC.

Lester L. Murray, formerly Vice President-Sales and Engineering, was elected by the S-W Board of Directors to the newly-established position of Vice President and Chief Executive Officer. **Harold J. Alsted,** Executive Vice President since 1965, was elected Senior Vice President. Overall policies of the firm will continue to be the responsibility of **Harold M. Soars,** Chairman of the Board, and **H. Marshall Soars, Jr.,** President. . . . S-W established a branch office of its Contracts & Systems Division in Decatur, Georgia, and appointed **Frank W. Fulton** as Branch Manager and **Terry L. Woodside** as Systems Designer.

Asbestos Magazine, 1972, October 1972
ACL Doc 12666 · Page 48 of 60
Published by AsbestosClaims.Law
asbestosclaims.law/library/12666/48

ASBESTOS

ALL KINDS

FOR ALL USES

•

TECHNICAL SERVICE

AVAILABLE

•

CENTRAL ASBESTOS

Co., LTD.

CENTRAL HOUSE • THOMAS ROAD • LONDON E14 7BQ

'Phone 01-987-5711 Telex 24211 Cables CENBESTOS LONDON

CENTRAL ASBESTOS (S.A.) PTY LTD.

P.O. BOX 61826, MARSHALLTOWN, TRANSVAAL

Published by AsbestosClaims.Law
asbestosclaims.law/library/12666/49

NEW ASBESTOS PATENTS

U.S. patents may be purchased from The Commissioner of Patents, Washington, D.C. 20231, at a cost of 50c each. Photoprints of non-U.S. patents may be purchased from the same source at a cost of 30c per page. Remittance should be in coin, currency or check and the number of the patent, name of the inventor and date of issue should be shown.

British 1,271,156—Instruments, components, or the like, are coated for protection against corrosion and mechanical damage with a mixture of optimum proportions of masticated rubber, a hydrocarbon solvent for the rubber, asbestos, barite or kaolin, castor oil and aluminum stearate; assigned to Dorit Chemie- und Handels A.G., April 19, 1972; 6 pages.

British 1,271,997—Roofing sheets or shingles are made from a batch comprising 54-70% by weight of Chrysotile asbestos, 10-40% of bitumen or coal tar pitch, about 3% of a fatty acid soap and optionally 5-25% of slate powder or calcium carbonate as a filler and up to 5% of ultramarine blue or other coloring agent; assigned to S.A. Francaise du Ferodo, April 26, 1972; 6 pages.

British 1,272,260—A putty-like composition for sealing and cementing ridge units on roofs comprises expanded polystyrene balls, asbestos, linseed oil as a drying oil, mineral oil as a non-drying oil and p-toluenesulfonate in butanol as a curing agent; E. B. Berthelsen & J. Middleboe, April 26, 1972; 2 pages.

Canadian 898,432—An improved exothermic insulating composition for ferrous metal ingot molds comprises 4-12% by weight of asbestos, up to 12% each of a reactive metal and a cellulosic material, up to 14% of a metal oxide, 3-12% of a binder resin and the remainder sand, glass polishing residue, diatomite and silica flour; N. F. Tisdale, Jr., & J. F. McCarthy; assigned to Susquehanna Corporation, April 18, 1972; 11 pages.

Canadian 898,433—Fibrous, monolithic hardboard is manufactured from a mixture of 70-99% by weight of Grades 5 to 7 QAMA Chrysotile asbestos, 10-60% of a thermoplastic resin and 0-10% of a thermosetting resin; W. T. Donahue, M. C. Hutchins, D. E. Noyes & B. G. Craig; assigned to Johns-Manville Corporation, April 18, 1972; 33 pages.

Russian 287,508—A composition for forming washers useful for either hot or cold pressing operations consists of a sodium silicate solution of 75-85% by weight of asbestos and 15-25% of flake graphite; L. V. Prozorov, et al.; assigned to Central Scientific-Research Institute for Machine Building Technology, November 19, 1970; 1 page.

Russian 292,813—In the production of an improved friction article, asbestos rovings are twisted with wire, the composite impregnated

Asbestos Magazine, 1972, October 1972
ACL Doc 12666 · Page 50 of 60
Published by AsbestosClaims.Law
asbestosclaims.law/library/12666/50

WHY
DO
HARDMAN'S
SUPPLY SO MANY LARGE PIPE MACHINE FELTS?

Because their unique method of heat setting the fibres practically eliminates any tendency for the felt to fold or crease on the machine.

All Enquiries Welcomed.

THOMAS HARDMAN & SONS LTD

Fernhill Mills, Bury, Lancs. BL9 5BD, England.
Telex 667477 Cables Felts Bury. Tel. 061-764-4825.

with an adhesive and usual additives and the composite molded and heat-treated under pressure; G. S. Uskov; January 15, 1971; 2 pages.

U.S. 3,654,073—A composition for forming non-burning sheets of paper suitable for use on an offset lithographic printing press comprises asbestos, fiber glass, delaminated expanded lithium vermiculite, a latex resin and the usual flocculants and dispersants; E. W. Lard & A. C. White; assigned to W. R. Grace & Co., April 4, 1972; 6 pages.

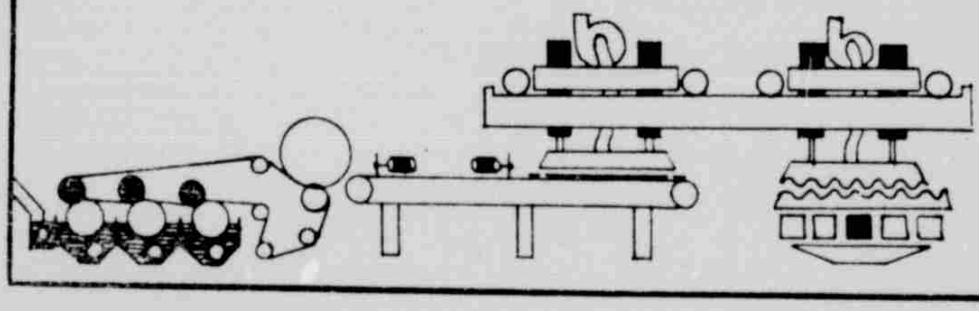
U.S. 3,654,202—An improved filler for polyethylene compositions is prepared by reacting Chrysotile asbestos fibers with sodium linoleate in an aqueous solution; polyethylene filled with Chrysotile so pretreated has increased tensile strength and flexibility; E. Eusebi; assigned to General Motors Corporation, April 4, 1972; 3 pages.

U.S. 3,655,358—Use of 0.25-4% by weight of Chrysotile asbestos short fibers in a high-analysis, aqueous suspension-type fertilizer composition to prevent settling of the solids; R. S. Rickard & D. L. Whitfill; assigned to Continental Oil Co., April 11, 1972; 3 pages.

U.S. 3,655,600—A dry mixture for forming into lightweight flame-resistant insulating or structural shapes comprises substantial amounts of sodium silicate, asbestos or kaolin and a surfactant and a minor amount of expanded polyestyrene beads; S. S. Stevens; April 11, 1972; 4 pages.

F.LLI BAZZI G. & L.
15033 CASALE MONFERRATO - ITALIA
CORSO INDIPENDENZA, 33 - TEL. 72444

We furnish machinery for the manufacture of plain and corrugated asbestos-cement sheets and projects of plants.





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

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.

Published by AsbestosClaims.Law

asbestosclaims.law/library/12666/53

CALENDAR OF EVENTS

National Insulation Contractors Association—17th Annual Convention; The Greenbrier, White Sulphur Springs, West Virginia; *October 29-November 1.*

Dimensional Accuracy in Manufacturing—National Bureau of Standards; Gaithersburg, Maryland; *October 30-November 1.*

Noise in Manufacturing Plants—seminars by L. N. Miller of Bolt Beranek and Newton Inc.; *October 30-November 1* in Washington, D.C.; *November 13-15* in Boston, Massachusetts.

PMMI Pack Expo 72—sponsored by the Packaging Machinery Manufacturers Institute; McCormick Place, Chicago, Illinois; *October 30-November 2.*

International Tailing Symposium—sponsored by World Mining and affiliated groups; Tucson, Arizona; *November 1-3.*

IFAT—International Sewage and Refuse Engineering Exhibition; Munich Fair Grounds, Munich, Germany; *November 3-9.*

Midwest Roofing Contractors Association—Annual Convention and Trade Show; Broadmoor Hotel, Colorado Springs, Colorado; *November 5-8.*

Environmental Protection Seminar and U.S. Trade Mission—to Czechoslovakia, Poland and Austria; *November 5-17.*

10th Annual Reliability Engineering Management Institute—held by the University of Arizona and Honeywell Information Systems; Tucson, Arizona; *November 6-10.*

Continuing Education Programs—to be held by the University of Wisconsin-Extension during *November.* Programs on the Madison campus include Design of Air Pollution Control Facilities, *6-10;* Occupational Health and Safety in Manufacturing Plants, *14-15;* Structural Design Loads, *28-29;* and Mobile Homes and Parks, *29-30.* Courses at Milwaukee include Noise Measurement and Control, *13-17;* Work Measurement of Indirect Labor, *14-15;* Techniques of Decision Making, *21-22;* and Work Sampling, *28-29.*

Production and Quality Control Instrumentation U.S. Trade Mission—to Belgium and the Netherlands; *November 6-18.*

Solid-Waste Management in Buildings Conference—Building Research Institute; Stouffer's Riverfront Inn, St. Louis, Missouri; *November 15-16.*

Antinquinimento '72—Pollution Control Equipment Exhibition; Milan Trade Center, Milan, Italy; *November 15-19.*

Asbestos Magazine, 1972, October 1972
ACL Doc 12666 · Page 54 of 60
Published by AsbestosClaims.Law
asbestosclaims.law/library/12666/54

ASBESTOS

Kilborn-engineered asbestos projects in Canada, U.S.A., South America and Europe produce a total fibre output of 365,000 tons per year.

Kilborn services include marketing surveys, process and operating assistance, engineering and construction management for new plants and expansion programs.

KILBORN ENGINEERING LTD.
36 Park Lawn Road, Toronto, Canada

KILBORN ENGINEERING (B.C.) LTD.
1199 West Pender Street, Vancouver, Canada

KILBORN ENGINEERING PACIFIC PTY. LTD.
201-18 Berry Street, Sydney 2060, Australia

KILBORN

Published by AsbestosClaims.Law
asbestosclaims.law/library/12666/55

Remember When?

(October 1922 ASBESTOS)

It was announced that Rene Pothier Doucet, General Sales Manager of Asbestos Corporation of Canada, Ltd., had been elected General Manager of the company, succeeding J. D. Sharpe, recently deceased.

Cape Asbestos Company, Ltd., whose mining operations had been curtailed some 50% for almost a year, was reported to be hiring more labor and expected to be working full shifts in the near future.

The appointment of C. J. Stover as President and General Manager of Consolidated Asbestos, Ltd., of Montreal, was reported. Effective October 1, 1922, Mr. Stover resigned as Editor of ASBESTOS and assumed his new position. Miss Anna S. Rossiter, who had been associated with Mr. Stover for some twelve years, took over the Management and Editorship of the journal on the same date.

Information from Canada indicated the mines in the Thetford area were operating at about 50% of capacity while Black Lake Asbestos & Chrome Company had closed its mine for the winter.

In an advertisement, Franklin Manufacturing Company offered for sale its plant for the manufacture of 85% Magnesia located at Franklin, Pennsylvania.

"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 £13.50; Back Copies half price. Order from:

ASTEX PUBLISHING COMPANY
22/23 North Street
Guildford, Surrey, England

Published by AsbestosClaims.Law
asbestosclaims.law/library/12666/56

The Greeks didn't have a word for it.

The ancient Greeks called asbestos 'unquenchable'. Not, perhaps, the most apt of descriptions. 'Incomparable' might have been better.

Strangely enough, they don't seem to have had a single all-embracing word for 'one of the leading producers of asbestos textiles in the world who know their subject inside out and who are ready at the drop of a hint to advise on any aspect of asbestos in any of its many applications'.

But we have. Say 'Scandura' and you've said it all.



Scandura

Scandura Limited, P.O. Box 19,
Cleckheaton, BD19 3UL, Yorkshire, England.
Telephone Cleckheaton 5711; Telex 51106.

A member of the BBA Group

Published by AsbestosClaims.Law
asbestosclaims.law/library/12666/57

ARIZONA ASBESTOS

Mined and Milled by

JAQUAYS ASBESTOS CORPORATION

1219 S. 19th Avenue

PHOENIX, ARIZONA



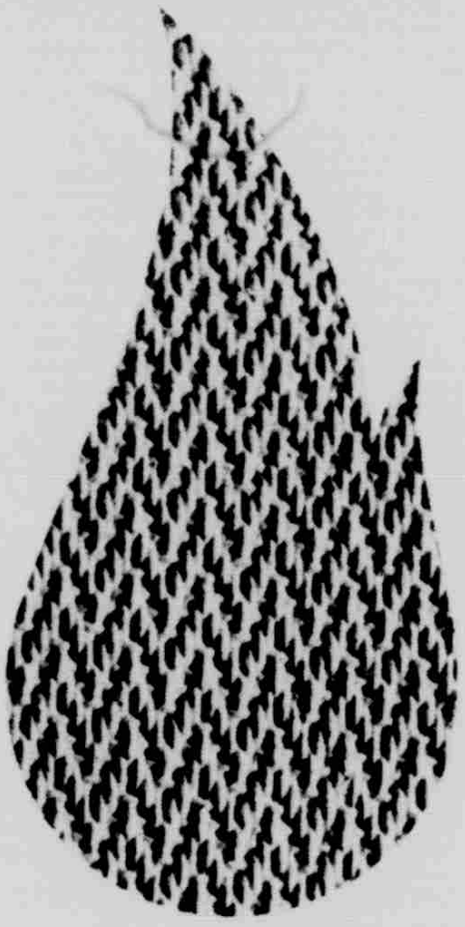
Producers of Soft, Low Iron, White Chrysotile
Crudes and Filter Fibre

MINES AND MILL IN GILA COUNTY

Published by AsbestosClaims.Law
asbestosclaims.law/library/12666/58

Novatex®

a whole new class of protection



Novatex asbestos textile is lighter, stronger and more heat resistant than conventional asbestos textiles. Incombustible Novatex asbestos textile flexes easier at high temperatures than glass fabrics. No need for lubricants to maintain flex life. Organic solvents . . . alkalies . . . weak acids—Novatex resists them all. Novatex comes in a wide variety of weights and sizes for nearly every type of application. With Novatex you're bound to get an improvement. Contact us.

Raybestos RM Manhattan

ASBESTOS TEXTILE DIVISION BRIDGEPORT CONN 06603



Two good starts...

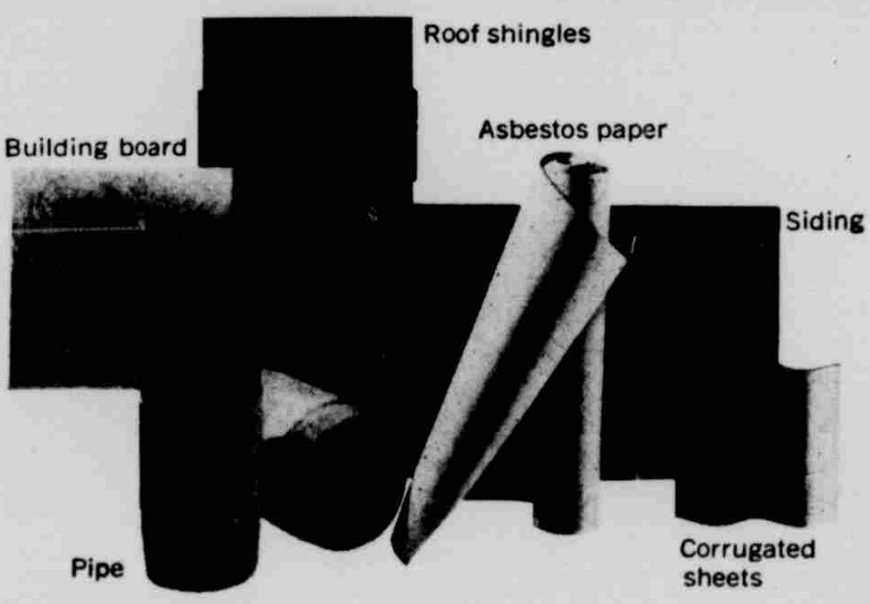
Start with GAF asbestos fibers and DRYLON® synthetic fiber felts and you'll end up way ahead in end-product quality.

Our involvement with asbestos fiber starts at our own Vermont mines. We control the quality from start to finish. And our standards are high. Partly for selfish reasons. Because much of the fiber ends up in our own asbestos products.

And asbestos fiber is only part of our story. If you make asbestos-cement products, get another head start with Drylon synthetic felt. It drains better, stays clean and keeps its shape longer, and imparts a smoother, more uniform finish to your product.

Put this starting team of quality GAF products to work for you. For full details write to: GAF Corp., Industrial Products Division, 140 W. 51 St., New York, N.Y. 10020. International Operations, 1180 Avenue of the Americas, New York, N.Y. 10036.

toward a lot of happy endings.



gaf®

GAF Corporation