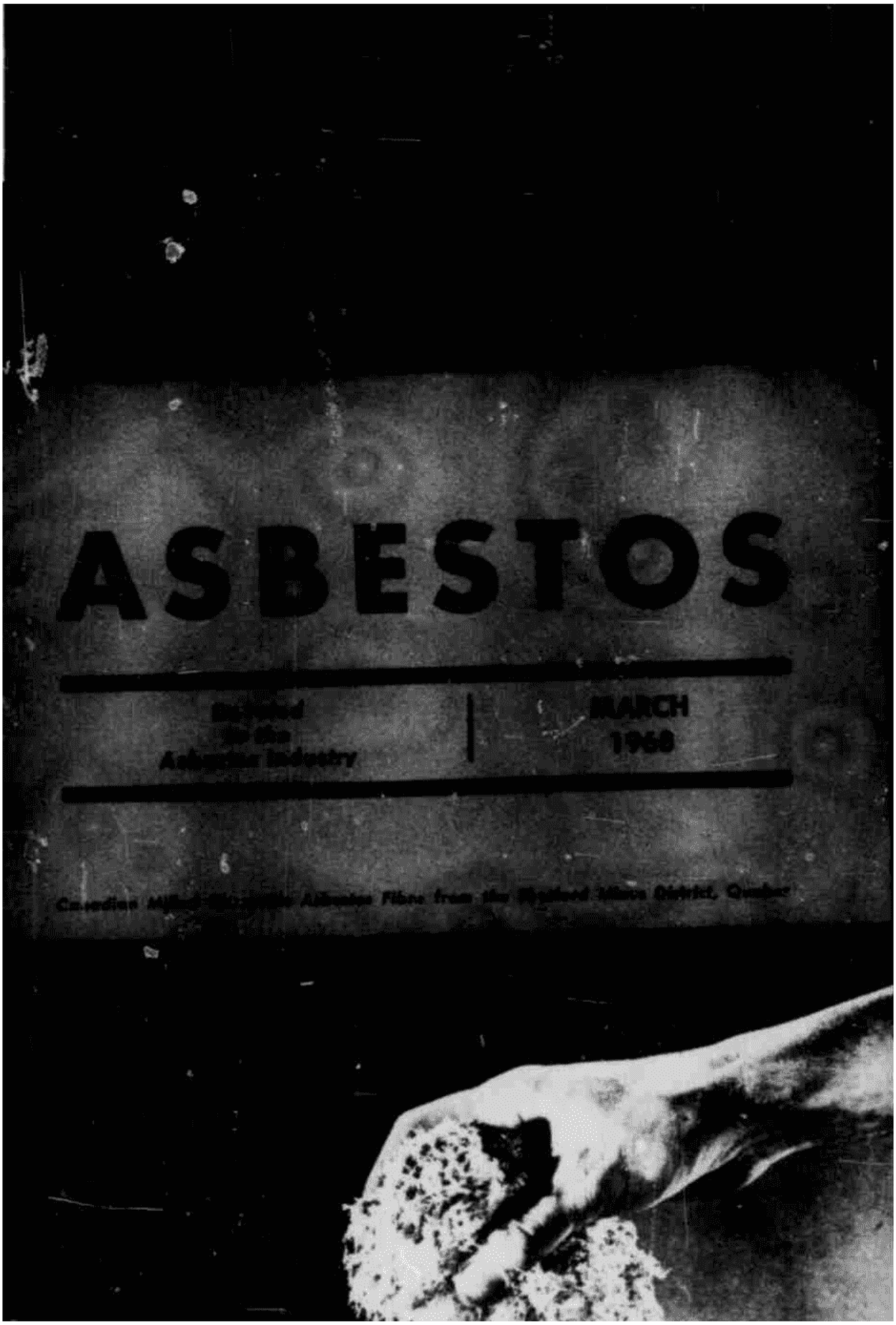


Published by AsbestosClaims.Law
asbestosclaims.law/library/12611/1

Coast Guard Approved*
GRADE AAA GLASSBESTOS® CLOTHS
Lower Costs, Save Weight

R/M Style	Navy Style	Weight/Sq. Yd.	Tensile (Lbs.) Warp	Tensile (Lbs.) Filling
10P111	0	1.11 Lbs.	90	70
16P140	2	1.40 Lbs.	80	40
10P140	0	1.40 Lbs.	125	70
10P225	1	2.25 Lbs.	125	50

•10P111 has tensile superior to Navy style •2 with 57% cost saving, 21% weight reduction.

•10P140 tensile equals Navy style •1 with 47% lower cost, 38% weight reduction.

Write for complete details.

*C. G. Approval •164,009/84/0 7/9/65

ASBESTOS TEXTILE DIVISION
RAYBESTOS-MANHATTAN, INC.
Manheim, Pa. 17545

ASBESTOS

VOLUME 49 MARCH 1968 NUMBER 9

CONTENTS

EDITH E. COX RETIRES 2
SCRAP RECOVERY IN ASBESTOS CEMENT PRODUCTS PLANTS 4
NORAMITE REINFORCED LAMINATES 10
QAMA HOSTS SOVIET ASBESTOS TEAM 12
ATI GENERAL MEETING 14
AUTOMOBILE SALES 24
BUILDING 30
MARKET CONDITIONS 36
IMPORTS & EXPORTS 40
INDUSTRY NEWS 46
NOTES FROM 1967 ANNUAL REPORTS 48
ASBESTOS STOCK QUOTATIONS 52
ASBESTOS PRICES 54
ASBESTOS PATENTS 56

ASBESTOS is indexed regularly by Engineering Index, Inc.

ASBESTOS was founded in July 1919 and published monthly since that date by Secretarial Service at 807 Western Saving Fund Bldg., S. E. Corner Broad & Chestnut Sts., Philadelphia, Pennsylvania 19107.
Telephone: 215-546-0420

Trust of C. J. STOVER, *Proprietor*; E. E. COX, *Editor*
Copyright 1968, Maud M. Stover, Trustee, Trust of C. J. Stover
Second Class Postage Paid at Philadelphia, Pennsylvania, U.S.A.

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).

EDITH E. COX RETIRES



It is with much regret that ASBESTOS announces the retirement of its Editor, Miss Edith E. Cox, effective March 31, 1968. This will, therefore, be the last issue of the magazine to be published under her direction.

In 1922, a little over three years after publication of the first issue of ASBESTOS, Miss Cox joined Miss Anna S. Rossiter in the partnership known as Secretarial Service, publisher of the magazine, and served as Circulation Manager and, later, Acting Editor until the death of Miss Rossiter in 1954. At that time Miss Cox became Editor and has served in that capacity until the present.

In her many years of service, Miss Cox has witnessed and reported the tremendous growth and major changes in the Asbestos Industry throughout the world and has earned the friendship and respect of Industry leaders as Editor and Publisher of the Industry's own trade journal.

We can only wish her many happy years in her retirement and are pleased to report that she has agreed to continue to help and advise us as a consultant as her time may permit.

Starting with the issue of April, 1968, Mrs. Doris M. Fagan, who has been associated with this magazine since 1959 as Business Manager and Assistant Editor, will become Editor of ASBESTOS.

At the same time, the responsibilities of Publisher will be assumed by Mr. Carrell J. Stover, older son of the founder of ASBESTOS.

We assure our readers, advertisers and other friends in the Industry that the basic policies of the magazine, in effect since its founding, will continue unchanged.

We've been the largest independent producer of chrysotile asbestos for 93 years

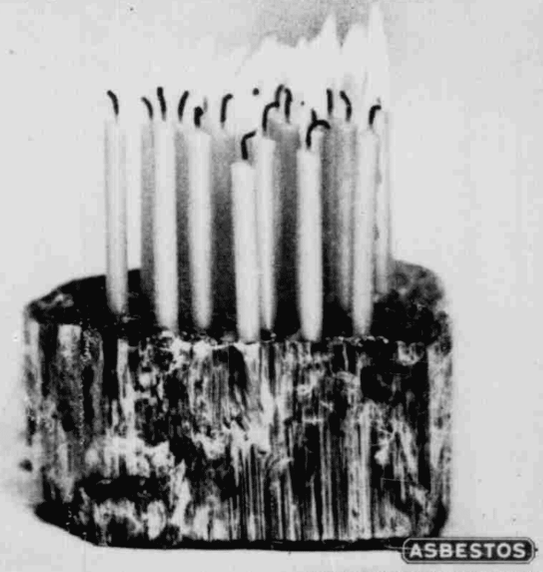
on the strength of our fibre

Our business is asbestos. We've mined it, milled it, and supplied it to industry since 1875.

In this, our Country's 101st year, we can look back on almost a century of growth that has made Asbestos Corporation Limited the largest independent producer in the free world. Today, our 4 plants produce all grades of asbestos from crude to the shortest fibre.

And the asbestos that starts down in our mines ends up in your textiles, asbestos cement products, brake linings, acoustic tiles, or floor covering. You'll find ACL asbestos almost everywhere . . . in consumer appliances, in building materials, even in paints, plastics and rubber. Right now modern laboratory trained technicians are looking for new and exciting ways of producing and applying asbestos.

Asbestos Corporation Limited, proud of its years of growth and service to industry, looks to the future. If you need any grade of chrysotile asbestos fibre, we have it.



ASBESTOS CORPORATION LIMITED
Thetford Mines, Quebec, Canada

SCRAP RECOVERY IN ASBESTOS CEMENT PRODUCTS PLANTS

BY: KURT SUCHOWSKI*

In plants producing asbestos cement products, as in other manufacturing plants, a certain percentage of total output consists of rejected material or scrap. In a properly controlled manufacturing operation the amount of such scrap, as a percentage of total output, will be small. However, in view of the greatly increased output of modern plants making such products, the quantity of scrap produced due to improper processing and breakage of finished products can amount to very substantial tonnages.

In the earlier days of the industry it was commonly assumed that such scrap had no value. In fact it represented a negative value since its storage and ultimate disposal cost money and much of it was actually given away to be used in road building or for land fill or similar purposes. As the tonnage of such scrap increased and efforts to find a profitable market for it met with no success, a few producers began to investigate the possibility of processing it in such a way that it could be fed back into the basic production cycle without adversely affecting the quality of the end product.

The most logical approach seemed to be to subject the scrap to mechanical crushing to reduce it to a granular form which could be fed into the mill process at some appropriate point. Before any final decisions could be made, it was, of course, necessary to conduct extensive research and testing programs to determine optimum particle size of the treated material to permit its most complete utilization in the process mix and to determine the effects of its inclusion on properties of the finished product. Results of such research indicated, quite clearly, that properly treated scrap material could be utilized in the manufacture of high quality asbestos cement products with complete success.

It then remained to establish an efficient process through which the scrap could be treated to produce a uniform, granular product which would meet the criteria established as a result of the research program.

HAZEMAG, together with its affiliated company, Stand-

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

Published by AsbestosClaims.Law
asbestosclaims.law/library/12611/4

ard Filterbau Ges.m.b.H., have cooperated with their clients in developing complete processing systems which permit complete re-utilization of such scrap in the basic production process and have achieved considerable success in this field. In general, in the interests of holding capital investment to a minimum, these systems do not involve equipment of special design and construction but rather represent logical combinations of reduction machines such as have been used for diversified processing purposes for many years, with individual machines being selected to meet the individual requirements of each specific application. The following is a description of such a system, which may be considered typical.

In general, a two stage reduction process is used because of the wide discrepancy between the sizes of the feed stock and the end product and because the materials being crushed require heavy duty machines similar to those used in the reduction of hard rock.

The first reduction stage consists of a HAZEMAG Impact Crusher. A relatively large machine with a large inlet was selected so only very large pieces must be precrushed by hand. Feed to this machine is by conveyor belt so arranged as to prevent operating personnel from working too close to the mill feed opening, this in the interest of safety. This belt may be run over a magnetic pulley to remove tramp iron. This stage yields a granular product with a maximum particle size of approximately 30 millimeters which is stored in a bin ahead of the second stage mill.

This precrushed material is then fed continuously, by conveyor belt running over a magnetic pulley, to a NOVOROTOR mill which is the second reduction stage. Magnetic separation of iron-bearing particles is mandatory in the second stage feed to prevent undesirable effects on end product quality.

In the NOVOROTOR the material is reduced to its final size and is pneumatically discharged from this mill.

The fully crushed material is then precipitated in a cyclone with a subjacent rotary gate, the gate being dimensioned to suit the special requirements of the end product. The final product can be stored in bins or transported directly to the production line depending on desired plant operating procedure.

Dust-free operation of the entire system is achieved by

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/12611/5

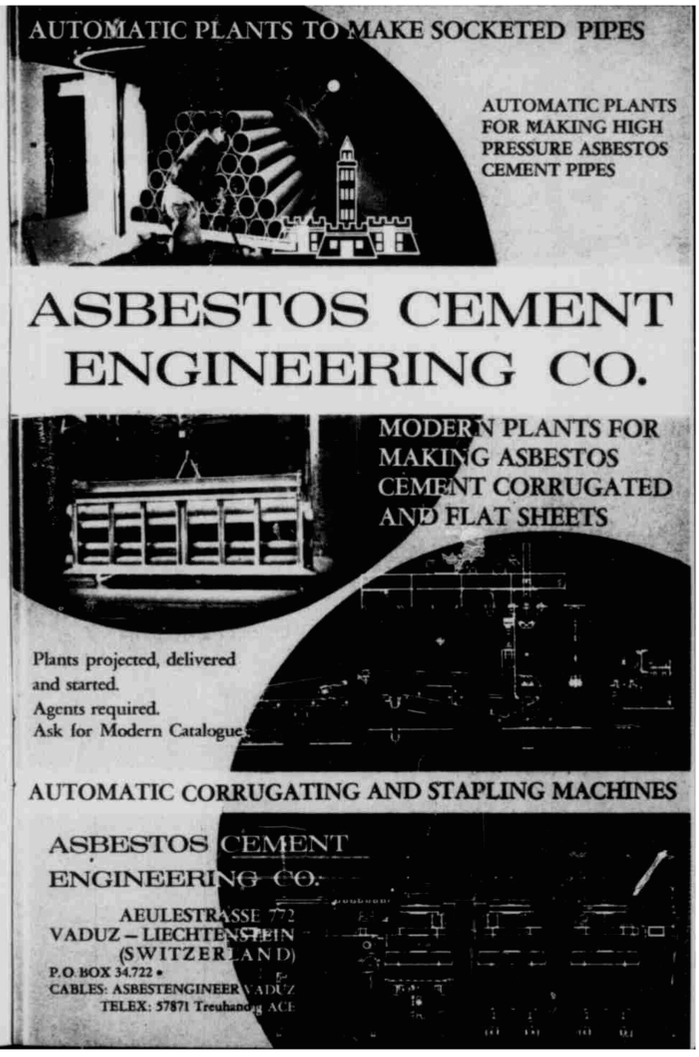
pneumatic transportation of the second milling stage product and by aspiration of all other equipment. A reverse jet air filter is employed for residual dust collection and the finest dust from this filter can be fed either directly into the end product mix or into the pneumatic system.

More than a dozen similar plants have already been installed and, based on their successful operation, the process can be considered completely practical and economically sound.

*Mr. Suchowski is Chief Engineer of HAZEMAG, Loddenhelde 31, (Postfach 576), 44 Munster (Westf.), Germany.

NATIONAL BUREAU OF STANDARDS—Oregon and Utah were the third and fourth States to receive new weights and measures standards under a program to replace the standards of all 50 States. Many of the standards and instruments used by the States in weights and measures administration were provided by the Federal Government 100 years ago or more. The Bureau is supervising replacement of the State standards to up-date and extend measurement competence throughout the Nation, as required by scientific and technological advances. Each new set includes standards of mass (weight), length, and volume and necessary laboratory instruments, including high precision balances, all specially designed to meet State weights and measures requirements.

LENGTH MEASUREMENTS SEMINAR—The Precision Measurements Seminar in Length Measurements has been scheduled by the National Bureau of Standards and will be held May 13-17, 1968. The coordinator of the seminar is Arthur G. Strang, Chief of the Engineering Metrology Section of NBS, Washington, D. C. 20234. Applications for admission to the seminar and requests for further information should be sent to Mr. Strang. Letters of applications should be accompanied by a check, billing authorization or purchase order for $225.00, which is the fee for the seminar.



Noramite Reinforced Laminates

Tests recently carried out at the Technical Service Laboratory of the Reinforced Plastics Division of Cape Insulation Limited have revealed some interesting facts about laminates reinforced with Noramite materials.

Laminates were made with Noramite Mat Type B, Noramite Mat Type A and glass fiber chopped strand mat (c.s.m.). Permeabilities were obtained by sealing squares of laminates on to 3½-inch diameter cells filled with dry silica gel and maintaining at 100°F. in a humidity chamber for 30 days. Mean permeabilities were calculated from the water vapor transmitted in the 30 days, corrected for thickness.

The results are tabulated below:

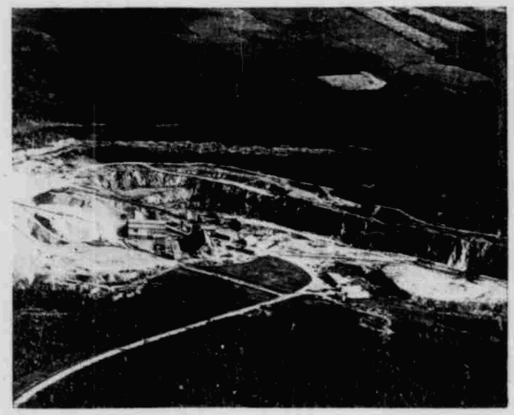
Reinforcement Material	Reinforcement Content %	Thickness mm.	Vapor Permeability Perm./cm.	Perm./in.
Glass c.s.m.	40	2.67	4.2×10^{-2}	2.5×10^{-2}
Noramite B	40	3.66	1.3×10^{-2}	0.8×10^{-2}
Noramite A	42	4.62	1.2×10^{-2}	0.8×10^{-2}

These figures are significant when the material is used in pressure pipes and vessels and also in cold storage work. They are especially important for containers where the pressure build-up and movement of vapor into the reinforced plastic laminate can be a severe hindrance to the efficiency of the insulation and the mechanical properties of the laminate.

In cold storage work these figures are of special importance where the passage of water vapor through a reinforced plastic outer skin drastically reduces the efficiency of the insulation after a time. For building panels also, reduced permeability can well be of considerable value in a variety of instances.

Vapor permeability and the transfer of liquid water under pressure are not necessarily related but it can be expected that the very substantial vapor permeability difference between glass fiber laminates and Noramite laminates will be reflected in their resistance to liquid water penetration.

CANADIAN ASBESTOS



THE NICOLET ASBESTOS MINE
Norbestor (via Warwick)
Que.

Address Inquiries to:

NICOLET INDUSTRIES, INC.

ASBESTOS FIBRE DIVISION

Nicolet Avenue

Florham Park*, New Jersey

*Suburb of New York City.

Published by AsbestosClaims.Law
asbestosclaims.law/library/12611/7

Q.A.M.A. Hosts Soviet Asbestos Team

A sixteen-day official visit by a seven-man team of asbestos experts from the U.S.S.R. began in Montreal, Canada, on February 19, 1968. During their stay in Canada, the Soviet team toured open pit and underground mining operations, as well as asbestos milling, shipping, quality control and research facilities in the Asbestos and Thetford Mines districts of Quebec's Eastern Townships.

As guests of the Quebec Asbestos Mining Association, they visited four of the eight asbestos-producing companies in Quebec. On the evening of their arrival in Montreal, they were welcomed at a reception hosted by Q.A.M.A. president W. W. Oughtred.

The group also met with manufacturers of asbestos mining and milling equipment in Montreal and Sherbrooke and held discussions with officials of the Department of Energy, Mines and Resources, in Ottawa.

According to Paul Filteau, general manager of Q.A.M.A., the Soviet asbestos experts were especially interested in Canadian technology for asbestos beneficiation, process and production control operations, dust removal techniques and equipment and methods used to evaluate quality in manufactured products containing asbestos fiber.

Members of the Soviet delegation included representatives of the U.S.S.R. Ministry for Building Materials, Research Institute for the Asbestos Industry, "Uralmekhobr" Design Institute, "Uralasbestos," Sverdlov Pedagogical Institute and Kustanay Asbestos Company.

NHIC OFFICERS—*Morris C. Hoven* of Certain-teed Products Corporation was elected president of the National Home Improvement Council at a meeting of the board of directors on January 24, 1968. Other officers elected include vice president—*Joseph G. Hall* of General Aniline & Film Corporation, treasurer—*Albert H. Fay* of National Gypsum Company, secretary—*John H. K. Shannahan* of Electric Heating Association, executive director—*Edgar V. Hall* and regional vice president—*Armand Fontaine* of the American Building Contractors Association.

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/12611/8

ATI General Meeting

The Asbestos Textile Institute held its General Meeting on February 8-9, 1968, at the Hotel Roosevelt in New York City. The working committees met on Thursday and the next day reports of the various activities of the committees were given by H. H. Walter, Chairman of the Air Hygiene & Manufacturing Committee; M. Q. Scowcroft, Chairman of the Sales Promotion Committee; J. W. Hawkins, Chairman of the Technical Committee; and G. F. A. Brink, Chairman of the Fiber Testing Committee.

A joint meeting of the Institute's Technical Committee and ASTM D-13 Subcommittee A-4 was held to continue the work of revising ASTM specifications for asbestos textiles.

N. W. Hendry, Vice President and General Sales Manager of Canadian Johns-Manville Company Limited, gave some interesting comments on the present situation in respect to the availability of various grades of asbestos fibers and also discussed business conditions in world markets for these grades.

The principal speaker at the meeting was P. O. Nicodemus, Senior Insulation Application Chemist, General Electric Company, Wire & Cable Department. His paper entitled "*Asbestos Textile Electrical Insulations—Properties, Present and Future Importance*" was extremely well prepared and greatly appreciated by those in attendance.

President John L. Rainey announced that the NEXT GENERAL MEETING of the Institute would be held June 6-7, 1968, at the Regency Hyatt House, Atlanta, Georgia.

AMERICAN MANAGEMENT ASSOCIATION will hold its *37th National Packaging Exposition* at the Coliseum, New York City, May 6-9, 1968. The association's *National Packaging Conference*, held each year concurrently with the show, will take place at the New York Hilton, May 6-8. Some 103 different types of machines and equipment will be shown in simulated factory demonstration. Sixty types of supplies for packagers ranging from adhesives to wood veneers, twenty-one types of services and more than a score of types of containers will also be exhibited.

U.S. Rubber developed Asbeston® so you could use asbestos where you never could before.

Asbeston.

It does all the things regular asbestos does. Only it's lighter; and stronger for its weight. And because it's lighter and stronger, you can use it in more places in more ways. It's also a lot easier to work with. (Our engineering staff can make it easier still—they'll actually tailor any Asbeston fabric, yarn or tape or whatever to the specs of your operation.)

For more details on our full line of light and heavy Asbeston products, write:

UNIROYAL FIBER and TEXTILE
Division of UNIROYAL, Inc.
Textile Administrative Center
350 Columbia Road
Winnsboro, S.C. 29180

Textile Division
UNIROYAL
THE NEW WORLDWIDE NAME OF U.S. RUBBER

®ASBESTON IS THE UNIROYAL, INC. REGISTERED TRADE MARK FOR ITS ASBESTOS YARNS, FABRICS AND TAPE.

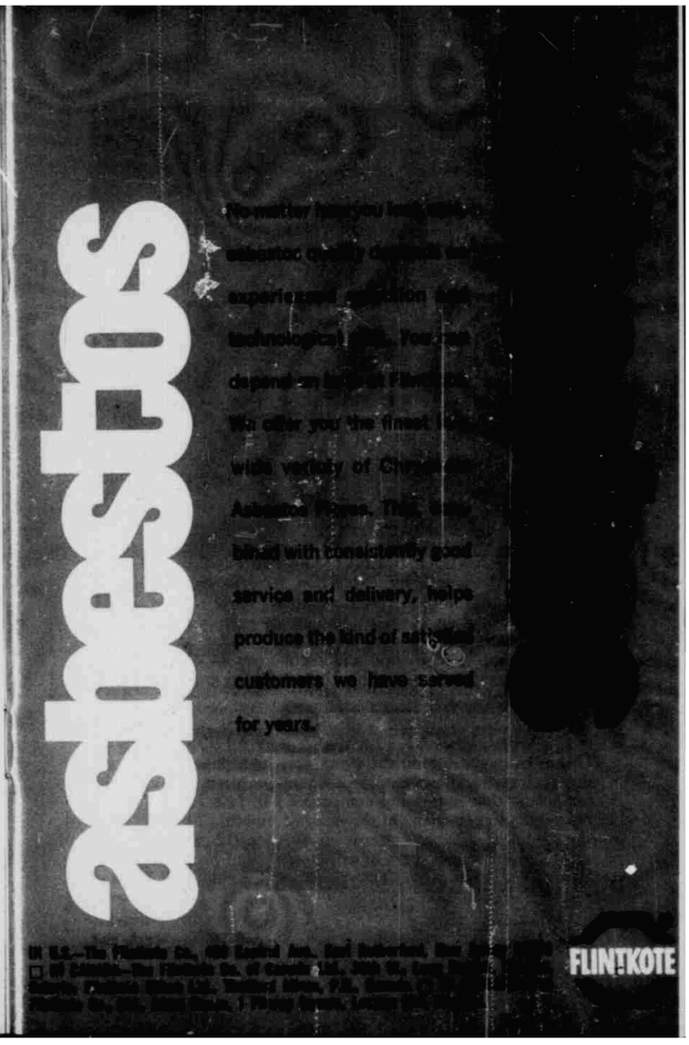
ASTM STANDARDIZATION SEMINAR—Because of the increasingly-important role of standards in the world today, the *American Society for Testing and Materials* is instituting a series of training programs on standardization principles. The first two-day seminar will be presented at ASTM headquarters April 16 and 17, 1968. Although technically oriented, the course will not be slanted toward any one industry. Registration fee is $110.00 and includes luncheons and reference materials.

OTHER ASTM NOTES—A meeting of *Committee C-20 on Acoustical Materials* will be held at ASTM Headquarters, Philadelphia, Pennsylvania, May 1-3, 1968. *New Parts of the 1968 Book of Standards* include "Part 12—Chemical-Resistant Nonmetallic Materials; Clay and Concrete Pipe and Tile; Masonry Mortars and Units; Asbestos-Cement Products; Natural Building Stones" (available at $9.00) and "Part 29—Electrical Insulating Materials" (available at $23.00).

SMFMA OFFICERS/CHAIRMEN—The following men were elected officers of the *Sprayed Mineral Fiber Manufacturers Association* at the association's annual meeting in January 1968: President— Herbert L. Levine of Asbestospray Corporation, Vice President—R. H. Toth of Smith & Kanzler Company, Secretary—J. H. Wittkop of Baldwin-Ehret-Hill, Inc. and Treasurer—John F. O'Rourke of United States Mineral Products Company. Also announced were the appointments of Frank M. Stumpf as Chairman of the Technical Committee and Sydney L. Miller as Chairman of the Promotion Committee.

This Association represents companies engaged in both the manufacture and marketing of sprayed mineral fiber products.

MANAGING THE RESEARCH LABORATORY is an intensive post-baccalaureate level short course which will be held at the *Center For Professional Advancement*, Hopatcong, New Jersey, April 17-19, 1968. Dr. Conrad Berenson will be directing the course and the tuition fee will be $135.00.



NATIONAL ROOFING CONTRACTORS ASSOCIATION held its 81st Annual Convention and Trade Show in Miami Beach, Florida, January 21-25, 1968. Approximately 1,400 people viewed the exhibits of over 60 companies using over 100 booths. The Management Simulation Exercise brought contractors together into management teams and they bid on simulated jobs in competition with other teams. This exercise allowed men from various parts of the United States to gather together and compare notes on their estimating and bidding procedures. Robert G. Welsh, keynote speaker, gave a stimulating discussion on the importance of learning new and more effective managerial techniques to cope with the changing construction industry. Officers elected for the year beginning June 1, 1968, include Edward Weyand of Roofers, Inc. as President, Ben Hutchison, Jr. of Tip Top Roofers, Inc. as Vice President (two-year term), Clarence Carr of Acme Roofing Company, Inc. as Vice President (two-year term), Henry Alcock of M. W. Powell Company as Vice President, Fred Christen of The Fred Christen & Sons Company as Vice President and Glenn Langer of Langer Roofing & Sheet Metal, Inc. as Treasurer.

NFPA ANNUAL MEETING—The 72nd annual meeting of the *National Fire Protection Association* will be held at the Marriott Motor Hotel, Atlanta, Georgia, May 20-24, 1968. Principal business of the meeting will be action on approximately 70 proposed codes and standards which will affect fire safety legislation and regulations as well as industrial practices throughout the United States and Canada.

EMPLOYER-EMPLOYEE RELATIONSHIPS — Unless managements in the stone, clay and glass products industry improve their employee communication methods, the outlook is that non-union companies will lose 75% of union representation elections in the next 12 months. This is among the findings of a new study covering 2,912 manufacturers (including manufacturers of asbestos mineral products) made by *University Research Center*, a national, employer-supported research organization.



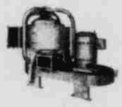
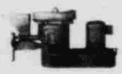
Remove gritty foreign material such as silica, iron, mica and sand . . . unopened fibre bundles . . . serpentine . . . fibre bound magnetite . . . simultaneously and without fibre loss . . . with this Bauer multi-phase equipment.

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/12611/11

CORRECTION—As sometimes happens, unintentional errors appear in print. Mr. Michael J. Messell, President of Lake Asbestos of Quebec, Ltd., submitted his "Greeting to the Asbestos Industry" which was published in our January 1968 issue, on pages 6 and 8. Unfortunately, some of the copy was misprinted. Below is the item as it should have appeared. ASBESTOS sincerely regrets any confusion or inconvenience to its readers, Mr. Messel or Lake Asbestos.

Lake Asbestos of Quebec, Ltd.
Michael J. Messel, President

1967 was not a particularly outstanding year for the asbestos producing industry.

While fibre sales volume was good, the profitability did not reflect a very satisfactory return on the investment due to increased costs of labor, materials, taxes and service to customers.

A more realistic approach is required to the marketing of fibres and the development of new large volume uses.

We are again grateful to ASBESTOS for the opportunity to wish all our friends and customers a Happy Holiday Season and a Prosperous New Year.

1968 OFFICIAL PACKAGING MACHINERY DIRECTORY, a uniform and comprehensive guide to the products and capabilities of 106 member companies of the *Packaging Machinery Manufacturers Institute* is being distributed on a worldwide basis. The 256-page directory contains a description of PMMI's purposes and programs, a classified index of packaging machinery in more than 400 categories, two pages of information on each PMMI member company (including the names and titles of company executives), and information on trade names and related subjects. Complimentary copies are available from the Institute. Business organizations are asked to send $1.00 to cover handling and postage.

If you use asbestos for





sheet gaskets **brake linings**

or just about any other product, we have the fibre grade you need. You can specify from 43 different grades, so you're sure of getting fibres of the correct length and with the proper degree of openness for your products.

Lake Asbestos fibre is supplied in pressure-packed bags which are easy to handle . . . occupy little storage space . . . save on shipping costs. For more information or test samples, write to: Asarco International Corporation, P.O. Box 608, Black Lake, Quebec, Canada—distributors for Lake Asbestos of Quebec, Ltd.

SALES AGENTS

AUSTRALIA
Mt. Isa Mines, Ltd.
Sydney

AUSTRIA
Atlanta Bauer & Co.
Bremen, W. Germany

BELGIUM
Keyser & Mackay
Brussels

EGYPT
Textile
Improvements Ltd.
Guildford, England

ENGLAND
Textile
Improvements Ltd.
Guildford

FRANCE
Dieppedalle &
Séailles
Paris

W. GERMANY
Atlanta Bauer & Co.
Bremen

GREECE
Textile
Improvements Ltd.
Guildford, England

HOLLAND
Keyser & Mackay
Amsterdam

INDIA
Metal Distributors,
Ltd.
Calcutta

ITALY
Amianto Del Lago
Torino

JAPAN
C. Itoh Co., Ltd.
Tokyo and Osaka

NORWAY
Astrup & Son
Oslo

SOUTHEAST ASIA
Jardine Waugh, Ltd.
Singapore

SPAIN & PORTUGAL
Textile
Improvements Ltd.
Guildford, England

SWEDEN
Aktiebolaget
Ingeniorsfirman
Titan
Stockholm

TURKEY
Textile
Improvements Ltd.
Guildford, England

ASARCO

ASARCO INTERNATIONAL CORPORATION
a subsidiary of American Smelting and Refining Company

LAKE ASBESTOS

Published by AsbestosClaims.Law
asbestosclaims.law/library/12611/12

FIRE-KING and FIRE-GLASS SEAL-O-MATIC SHINGLES are a new FGA line of roofing, introduced by *Johns-Manville Corporation*, which marks a major change in the manufacture of asphalt shingles. The shingles combine glass fiber and asbestos to eliminate organic felt from asphalt roofing. Both shingles feature a unique glass-fiber asbestos reinforcement which substantially cuts bulkiness and weight yet produces a superior roofing. Both have a 55% greater content of weatherproofing asphalt than most conventional asphalt shingles.

BRIDGE DECKS LAST LONGER is a new six-page booklet, issued by *Johns-Manville Corporation*, which describes the construction and maintenance advantages of asphalt bridge deck overlays containing asbestos fibers. It also cites the serious and vexing problems of bridge deck maintenance, and how the *asbestos/asphalt* thin overlay system helps provide impermeability, durability and stability. Technically, the booklet describes J-M's method of adding asbestos fibers to the asphalt mix, including the mix design tests said to support their claims of more wear-resistance, better weathering characteristics and less maintenance. (AF-45A, available free)

ACE CORSPAN, an industrial sidewall panel, is the latest addition to *Johns-Manville Corporation's* line of ACE products. ACE denotes asbestos-cement extrusion, a process developed by J-M to produce industrial sidewall panels with properties never before available in masonry materials. The panels are no less than manufactured "stone", free of veins and stratifications. Their cored construction affords strength, insulation value and weight savings. The ACE Corspan panels are available in 24" widths, thicknesses of 3¼" (ribbed), 3" and 1½" and in lengths of up to 15 feet. Two men can handle any panel. A savings can be made through the minimum use of hoisting equipment. The panels can be supplied with or without tongue or groove or both. (Corspan is a trademark of Johns-Manville).

ALBANY DURASORB

100% Synthetic/Needled Pipe Machine and Sheet Machine

FELTS

Best under highly alkaline conditions.
Superior drainage.
Flexible construction, to allow as much "working" of sheet at pressure roll as needed. Can also provide smooth finish for painting.
Perfected to offer longer life, even at highest speeds.

ALBANY FELT
COMPANY OF CANADA, LTD.
COWANSVILLE, QUEBEC

Published by AsbestosClaims.Law
asbestosclaims.law/library/12611/13

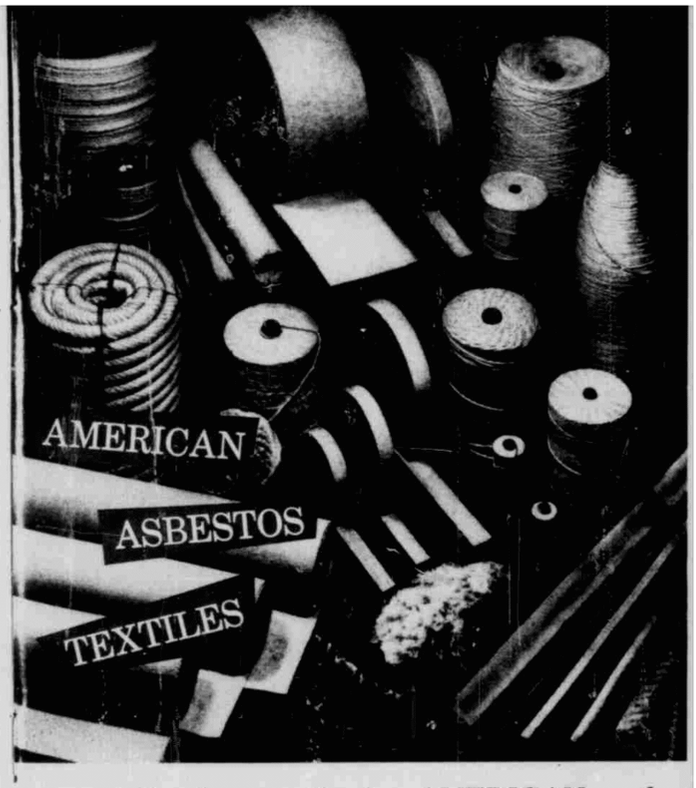
Automobile Sales

DECEMBER 1967 motor vehicle factory sales from plants in the United States totaled 957,842 (passenger cars—813,880; trucks and buses—143,962). The total for December 1966 was 923,621. YEAR 1967 motor vehicle factory sales totaled 8,976,226 (passenger cars—7,436,764; trucks and buses—1,539,462). The total for the twelve months of 1966 was 10,329,410.

CANADA—Motor vehicle factory sales from plants in Canada totaled 103,232 for December 1967 compared to 83,897 in December 1966. The total for the Year 1967 was 943,536 which compared with 887,205 for the Year 1966.

THERMAL INSULATIONS SYSTEMS: A SURVEY has been issued by the Office of Technology Utilization, National Aeronautics and Space Administration. Improvements in thermal insulation that may be helpful to designers of a variety of equipment, ranging from natural gas pipelines to surgical tools, are reviewed in this new report on technical advances resulting from aerospace research and development. The survey describes insulating materials and combinations of materials being used in spacecraft and points out both immediate and future uses of such new systems in many different industrial processes. Much industrial cryogenic work remote from the space effort requires effective thermal insulation systems. Similar systems are needed in high-temperature work. The authors of the survey are Dr. Peter E. Glaser and his colleagues at Arthur D. Little, Inc., Cambridge, Massachusetts. (148 pages; NASA SP-5027; 60c)

UAM/CBP—Following the announcement that *The Universal Asbestos Manufacturing Company Limited* and *Cape Building Products Limited* intend to unify their activities under joint management, it has now been decided to form a new company for this purpose. The new company, CAPE-UNIVERSAL BUILDING PRODUCTS LIMITED, is expected to operate beginning July 1, 1968.



... better because they're AMERICAN made

Our complete line of asbestos textiles are produced under strict quality control at every stage of manufacture, thereby assuring adherence to specifications and guaranteeing the dependable performance of every AMERICAN-made product.

Our research and engineering services are at your disposal. Simply telephone 215-275-4602 (TWX 510-660-0184); or write Box 228, Norristown, Pa. 19404.

AMERICAN ASBESTOS
TEXTILE CORPORATION

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

FILTERBAGABILITY is the theme of a new brochure from *Johnson-March Corporation*. It details the company's new facilities for the manufacture of replacement filter bags and stresses testing and evaluation in addition to quality control. The brochure also offers a chart of filter fabric properties to assist users in the selection of the material best suited for their application.

D&M EQUIPMENT COMPANY is using a new concept in self-unloading in its *Dunbar Automatic Unloading Systems*. All movements are hydraulically actuated and under control of the operator. According to the company, one operator can maneuver a load to a precise spot and place it so gently that costly product breakage is greatly reduced. This flexible unloading system consists of a fully articulated hydraulic boom mounted on a self-powered rolling base. Each unit is self-contained and travels under its own power back and forth the full length of the bed enabling the operator to reach every bit of freight.

D&M offers a complete customer service and will gladly discuss any unloading or delivery problems.

FISHER-KLOSTERMAN, INC. has a cyclone separator and collector system which consists of a low pressure cyclone and a *"Cluster-Clone."* Each cyclone is the primary separator at the termination of a pneumatic conveying system and each multi-unit *"Cluster-Clone"* serves as the final filter for the collection of fines discharged from the cyclone. The overall conveying rate of each system is 2,000 pounds per hour.

These systems are for use in industries where fine particles constitute a challenge in devising means of preventing contamination, waste, health hazards or other deleterious effects. The company is equipped to employ specialized materials and design techniques to satisfy a particular environmental condition. Fisher-Klosterman is the originator of the *"Balanced Air"* concept in system design for ventilating, pneumatic conveying and dust and fume control.

We think
we know the
world's fussiest
buyer.



It's Gold Bond.®

We use large quantities of asbestos fibres in our plants making a wide range of asbestos-cement products. So we mine the asbestos, mill it to strict specifications, then sell it to ourselves. We provide the same meticulous care in all our milling and quality control of grading. These same fibres are available to you.

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

Gold Bond
ASBESTOS FIBRES

LYNMACAP

FULFILLS ASBESTOS MILLING EQUIPMENT REQUIREMENTS THROUGHOUT THE WORLD

LYNMACAP AND ASSOCIATES HAVE SUPPLIED THEIR CUSTOMERS DURING THE PAST 45 YEARS WITH MAJOR QUANTITIES OF ASBESTOS FIBRE PROCESSING PLANT MACHINERY.

LYNMACAP ALSO PROVIDES TECHNICAL AID FOR EQUIPMENT INSTALLATION SUPERVISION.

LYNMACAP CAN SUPPLY USED OR RECONDITIONED MILL EQUIPMENT.

LYNMACAP FURNISHES LATEST PILOT PLANT EQUIPMENT OR LABORATORY INSTRUMENTS FOR RESEARCH OR PRODUCTION CONTROL OF FIBRE QUALITY.

LYNMACAP AND ASSOCIATES PROVIDE ABRASION RESISTANT COMPONENTS AND SPARE PARTS FOR MILL MACHINERY.

LYNN, MACLEOD CAPITAL EQUIPMENT LIMITED

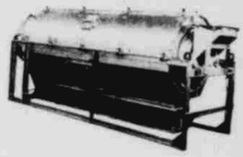
8400 Côte de Liesse Road
Montreal, Quebec
Canada

TELEX: LM. ENGR. MTL. 01-26131
PHONE: 514-636-1400

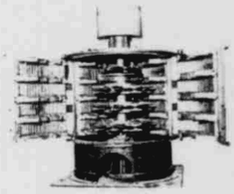
CABLE ADDRESS
LYNMACAP

ADDITIONAL ASBESTOS MILLING EQUIPMENT

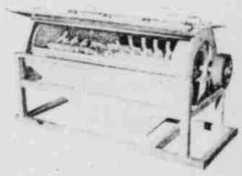
- Collectors
- Checkweighers & Classifiers
- Cranes
- Crushers
- Feeders
- Aspiration Hoods
- Lowerators
- Grinding Mills
- Fibre Precompressors
- Gluer-Sealers
- Rotary Valves
- Bag Flattener & Loaders
- Laboratory Equipment
- Drive Equipment
- Air Separators
- Motorized Floor Sweepers
- Bucket, Man Lift & Freight Elevators
- Rotary Aspirators
- Mechanical Separators
- Rotary Dryers
- Fibre Fluffers
- Quebec Standard Testing Machines
- Screens
- Pressure Packers
- Screw Graders
- Fibre Samplers
- Automatic Motor Bases



TROMMEL DUSTER
Removing dust and fine particles of impurities from Asbestos Fibre.



FIBERIZER
Releases fibre by impact in air.



GRADER
For grading all classes of fibre.

Building

(From: F. W. Dodge Company, a division of McGraw-Hill, Inc.)

JANUARY 1968 contract values for future construction projects showed a seasonally-adjusted decline for the third consecutive month. Contracts totaled $3,713,801,000, 28% above the value of construction contracts in January 1967. The latest construction contract data continue to show very substantial improvement from the depressed conditions this time last year but the recovery has lost its momentum in recent months. Newly-imposed restrictions on public construction and the return to former peak interest rates have created a ceiling on construction growth.

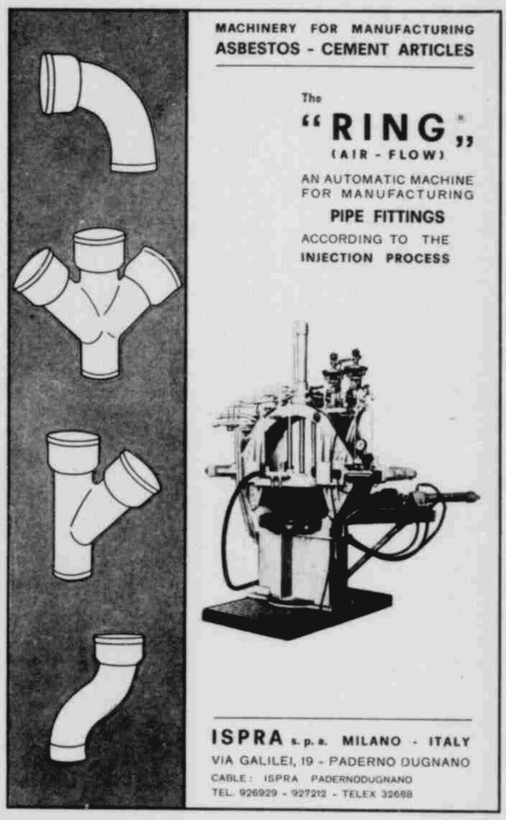
Residential contract value totaled $1,461,638,000, a gain of 44%. Apartment building value was more than double its year-ago total and contracts for single-family homes gained 26%.

Nonresidential building contracts totaled $1,346,972,000, a 15% increase over last year's weak opening month. Most of the increase was confined to commercial building. Industrial building was only slightly ahead and educational building slipped 7%.

Nonbuilding construction contracts were up 25% for a total value of $905,191,000. Virtually all of this increase was in highway contracts. Highway work is currently showing a large gain because there was a temporary suspension of Federal highway funds in effect this time last year. However, highway construction is due for another jolt as soon as the new freeze on Federal funds announced by the Department of Transportation becomes effective.

Contracts for other categories of nonbuilding construction showed utilities projects and sewer systems ahead and a decline of water supply projects.

CANADA produced 207,835,024 square feet (95,011 tons) of *vinyl-asbestos floor tile* during the YEAR 1967 compared to 188,590,481 square feet (88,825 tons) for the year 1966.



Published by AsbestosClaims.Law
asbestosclaims.law/library/12611/17

ASBESTOS-REINFORCED NYLON—A nylon molding compound reinforced with asbestos that sells for less than nylon and offers physical properties that approach those of glass-fiber-reinforced nylon has been announced by *Fiberfil Division, Rexall Chemical Company*. The compound is identified by the company as a nylon Plaslode with the trade name *Nylode*. It is made with 20% asbestos fibers by weight and top grade virgin Type 6-6 nylon. The nylon-asbestos has a tensile strength of 18,000 psi at 73°F. and a flexural strength of 24,000 psi. Deflection Temperature Under Load at 264 psi is 440°F. The reinforcement also increases the stiffness and dimensional stability of nylon. The material is said to mold easily and to produce excellent surface finish. It can be extruded and machined and is expected to find wide use for high performance applications.

UNITED STATES' MINERAL OUTPUT IN 1967 set a new value record for the sixth year in a row, but the gain was less substantial than in recent years, according to the U.S. Bureau of Mines. Output of nonmetallic minerals increased $13-million to $5.19-billion. Production of most nonmetallics held steady or declined slightly from 1966 levels. Output of most construction minerals fell slightly because of a nationwide cutback in construction. Production figures for many mineral commodities in 1967 will be published in greater detail by the Bureau of Mines in its Mineral Industry Survey series during the early months of 1968.

CANADIAN JOHNS-MANVILLE CO. LTD., Port Credit, Ontario, Canada, has announced packaging changes for J-M ROOFINSUL Roof Insulation to conform with contractor requests for standard roofing packaging procedures. This change brings CJ-M into line with the desire of roofing contractors and their Associations to have industry-wide standardization in the packaging of various standard roofing materials. Price lists for contractors have been revised to adjust to new packaging procedures and to reflect the net pricing system introduced by J-M during 1967.

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

Published by AsbestosClaims.Law
asbestosclaims.law/library/12611/18

CANADA YEAR BOOK 1967—The year 1967 was Canada's Centenary of Confederation and throughout these 100 years the story of the country's economic, social and legislative progress has been recorded in the Canada Year Book. This publication encompasses, sometimes in brief and sometimes in detail, the great mass of statistical information that has become available through the Dominion Bureau of Statistics, supplemented by social and legislative data from other Departments of Government and from the provinces. The 1967 edition contains specially prepared articles or chapter material including "Growth of Geographical Knowledge of Canada," "Geology and Economic Minerals of Canada," "Manufacturing and the Changing Industrial Structure of the Canadian Economy" and "Canada's Participation in the Changing Pattern of World Trade, 1953-66." Cloth copies are available at $5.00 per copy and paper editions can be obtained at $3.00.

JAMES united steel limited

HALL MACHINERY DIVISION

124 Des Grandes Fourches South

SHERBROOKE, QUEBEC, CANADA

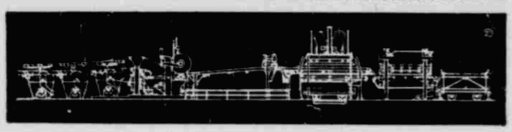
Designers and Manufacturers

of

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

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/12611/19

MARKET CONDITIONS

General Business.

While many indicators of the economic situation are showing slight upward trends the general business situation remains confusing. Corporate earnings reports continue to show many companies with falling earnings for their most recent fiscal periods. While much of this drop is caused by the cost squeeze, a goodly percentage in many lines can definitely be attributed to decreases in sales—in other words, to a shrinkage in demand for many products.

Major factors contributing to confusion in the current situation are: progress (or lack of it) in the Vietnamese war, inflation, the continuing outflow of gold from U.S. stocks and the further growth of racial unrest in America. The *inability*, or *unwillingness*, of the Administration to face up to these problems, particularly in a Presidential election year, serves only to contribute further to the confusion existing in the minds of business and financial leaders as well as in the minds of average citizens in all walks of life. We are hearing much talk but seeing little in the way of positive action directed to solutions of our manifold problems. Until courses of *action* are charted and started and assiduously pursued, we may well look for a continuation of the present state of confusion in business, politics and international affairs.

Asbestos—Raw Material.

Quebec asbestos fiber shipments for the Industry during January 1968 totalled 75,533 tons, an increase of 10,696 tons or approximately 14% over the same period last year.

Total 1968 asbestos fiber shipments are expected to exceed those of 1967 by approximately 5%.

Asbestos—Manufactured Goods.

Asbestos Textiles: Demand continues strong for asbestos textiles both in Government procurement and in the commercial sector. Recent price increases reflecting added costs

of both fiber and labor are firming. Prospects for the second quarter and perhaps beyond continue to be bright as backlogs remain high.

Asbestos Brake Lining: Based on current activity and car makers' estimates of total vehicle sales for 1968, original equipment business should be quite good this year. As the automobile industry continues to lengthen its guarantees on new cars, so far as major mechanical components are concerned, we may expect to see more older cars on the road and, with many States tightening their periodic inspection standards, the business in replacement brake linings is almost certain to improve, year by year. The current outlook for this business is very good.

Asbestos-Cement Shingles, Roofing & Siding: Many builders are now planning, or starting, models for their 1968 building programs. Rising prices on all materials have made them even more cost-conscious than usual. Many builders are switching to asbestos-cement siding because of its first-cost economy and maintenance-free features. More widespread use of asbestos siding is predicted. Many builders who had switched to wood and other sidings are expected to return to asbestos because of cost savings and the great improvement in asbestos-cement siding and roofing products.

Asbestos Filter Fiber: The Arizona filter fiber market is strong but production is keeping up with demand. The outlook for the balance of the year looks very favorable for all grades of Arizona filter fiber and shorts.

The above comments have been made by various informed executives in the Industry. All comments are welcome.

GUMMI ASBEST KUNSTSTOFFE

is the asbestos periodical in Europe which covers editorially in each issue the production, processing and application of asbestos. Therefore, it is read by all firms connected with the importing and processing of asbestos in 60 countries and is used for advertising by the asbestos mines all over the world.

Subscription fee DM 66.—plus postage per year.

Published by: A. W. Gentner Verlag KG, 7 Stuttgart-W Forststr. 131, Postfach 688.

Published by AsbestosClaims.Law
asbestosclaims.law/library/12611/20



for better
dispersion
add amosite

Amosite added to asbestos cement has a dispersive action giving uniform fibre distribution leading to greater strength and improved surface texture.
Full technical advisory service available to reinforced cement and insulation material manufacturers from the world's leading producers of amphibole fibres.

CAFCO

Cape Asbestos Fibres Limited
114 Park Street London W1 · 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)

IMPORTS & EXPORTS

Imports Into U.S.A.

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

Short Tons

Unmanufactured Asbestos:	NOV. 1967	DEC. 1967
Amosite, Crude, South Africa	902	1,123
Crocidolite (Blue), Crude, South Africa	1,707	943
Chrysotile, Crude, Canada	..	111
Chrysotile, Spinning Fibers, Canada	1,098	1,403
Yugoslavia	..	827
Chrysotile, Other, Canada	54,243	36,093
Rhodesia	1,495	372
Asbestos, Other, Canada	2,925	2,589
Finland	418	73
Italy	..	2
Portugal	9	..
South Africa	..	20
	62,797	43,556

November 1967 valued at: $6,382,579

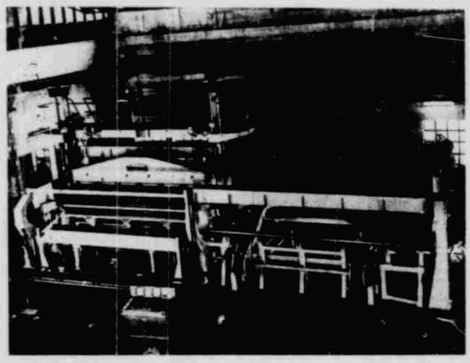
December 1967 valued at: $4,403,533

Manufactured Asbestos Goods:		NOVEMBER 1967	
Asbestos Yarn, Slivers, etc.	Lb	75,019	$ 62,289
A-C Pipes, Tubes & Fittings	Lb	4,184,896	176,046
Asbestos-Cement Articles, Other	Lb	1,380,927	176,133
Asbestos Articles, Other			172,666
			$587,134

		DECEMBER 1967	
Asbestos Yarn, Slivers, etc.	Lb	156,912	$ 81,410
A-C Pipes, Tubes & Fittings	Lb	3,638,180	146,237
Asbestos-Cement Articles, Other	Lb	689,053	108,741
Asbestos Articles, Other		..	106,116
			$442,504

STANDCO ASBESTOS TEXTILE CO., INC.
ESTABLISHED 1912
Manufacturer of Cloth, Tape, Yarn and Brake Lining
2701-2801 Clinton Dr. Box 87, Houston, Texas 77001

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

Exports From U.S.A.

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

Unmanufactured Asbestos:		OCTOBER 1967	
Crude & Spinning Fibers	s.tons	35	$ 13,361
Non-Spinning Fibers	s.tons	1,651	256,996
Waste & Refuse	s.tons	845	76,693
		2,531	$347,050

Manufactured Asbestos Goods:			
A-C Shingles & Clapboard	Lb	1,834,912	$180,931
Other A-C Articles	Lb	1,106,941	92,460
Gaskets & Packing	Lb	332,169	366,824
Textiles & Yarns	Lb	608,976	162,908
Mfrs. other than Friction Materials			352,307
Clutch Facings, including Linings	No	276,101	168,278
Brake Linings for automotive use	Lb	586,878	361,771
Brake Linings, Other	Lb	270,725	193,615
			$1,879,094

Unmanufactured Asbestos:		NOVEMBER 1967	
Crude & Spinning Fibers	s.tons	24	$ 6,677
Non-Spinning Fibers	s.tons	1,949	315,885
Waste & Refuse	s.tons	804	79,535
		2,777	$402,097

Manufactured Asbestos Goods:			
A-C Shingles & Clapboard	Lb	1,432,602	$123,097
Other A-C Articles	Lb	462,922	114,981
Gaskets & Packing	Lb	344,925	412,220
Textiles & Yarns	Lb	437,912	131,704
Mfrs. Other than Friction Materials			319,514
Clutch Facings, including Linings	No	246,201	229,275
Brake Linings for automotive use	Lb	574,395	357,851
Brake Linings, Other	Lb	224,281	144,520
			$1,833,162

South Africa Exports—THIRD QUARTER 1967 exports of asbestos totalled 56,945 short tons, valued at R6,366,072: Amosite —23,726, R2,317,844; Cape Blue—28,213, R3,604,528; Chrysotile—3,394, R237,907; and Transvaal Blue—1,612, R205,793. (Department of Mines, Johannesburg)

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

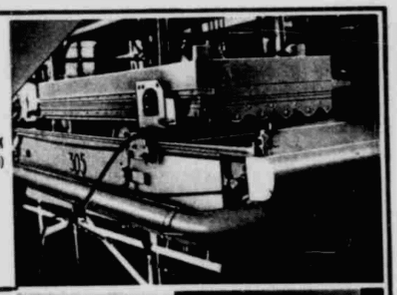
Published by AsbestosClaims.Law
asbestosclaims.law/library/12611/23

DO YOU WANT TO MANUFACTURE ASBESTOS CEMENT SHEETS BOTH FLAT AND CORRUGATED, COLOURED AND NOT COLOURED, **BY USING ONLY SHORT FIBERS** WITHOUT EMPLOYING CORRUGATING MACHINE, MOULDS, FELTS, DECANTER CONES, AND KEEPING AT THE SAME TIME THE SHEET QUALITIES FULLY UP TO THE STANDARD REQUIREMENTS?

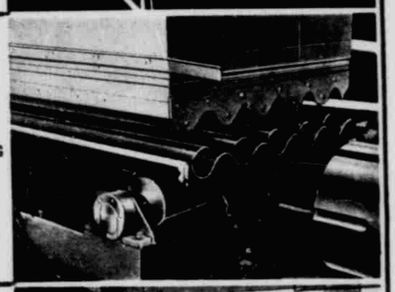
This is possible now with SSV Vulcanit machinery manufactured by RCM Co. of Torino (Italy) under ISPRA licence. Both ISPRA and RCM Companies are at your full disposal for supplying you with the description of said machinery and of the relative technological process.

You will have only to write:

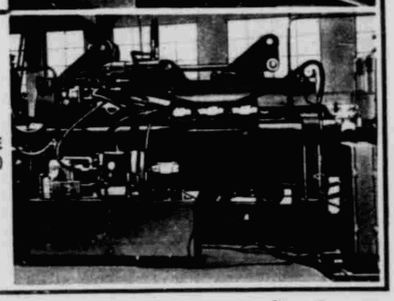
R.C.M. - P.O BOX 468 - TORINO (Italia)



FEEDING TANK (VACUUM STRATIFICATION)



SHEET MOULDING



CANNONE (80 Atm. PRESSING)

Published by AsbestosClaims.Law
asbestosclaims.law/library/12611/24

INDUSTRY NEWS

HAPPY BIRTHDAY

Jan van der Putten, Chairman & Managing Director, Putten's Asbestos Organization, Johannesburg, South Africa, March 15.
Douglas Aynsley, Director, Beldam Asbestos Company, Limited, Lascar Works, Hounslow, England, March 17.
Colon Brown, Chairman of the Board & Chief Executive Officer, National Gypsum Company, Buffalo, New York, March 17.
Walter J. Keimig, Secretary, Scandura, Inc., Charlotte, North Carolina, March 18.
J. O. Eby, Vice President & Jeffrey Mine Manager, Canadian Johns-Manville Company Ltd., Asbestos, Quebec, Canada, March 19.
Philip P. Rost, Executive Vice President, Philadelphia Asbestos Corporation, Philadelphia, Pennsylvania, March 23.
Edward H. Hollman, Secretary, Universal Insulation Company, Philadelphia, Pennsylvania, March 24.
George Barge, Director, Atlas Asbestos Company, Montreal, Quebec, Canada, March 27.
M. Stanley Davis, Jr., General Manager-Pipe Division & Executive Vice President, Certain-teed Products Corporation, Ambler, Pennsylvania, March 27.
Adrain R. Fisher, Director, Johns-Manville Corporation, New York City, March 27.
Edward McL. Tittmann, Chairman, American Smelting and Refining Company, New York City, March 27.
Jesse T. Griffis, Manager-Marketing Development Textiles, Thermoid Division, H. K. Porter Company, Inc., Pittsburgh, Pennsylvania, March 28.
A. E. Alpine, Vice President Manufacturing & Engineering, Pipe Division, Certain-teed Products Corporation, Ambler, Pennsylvania, March 29.
E. D. Ermenc, Director of Research, The Philip Carey Manufacturing Company, Cincinnati, Ohio, March 29.
John H. McGonigle, Vice President, Universal Insulation Company, Philadelphia, Pennsylvania, March 29.
Charles W. Hite, Vice President for Industrial Relations, Johns-Manville Corporation, New York City, March 30.
Ross E. Sampson, Manager, Advocate Mines Limited, Baie Verte, Newfoundland, March 31.
D. B Tingle, Director, Vice President & General Manager of Floor, Carpet and Consumer Products Operations, Armstrong Cork Company, Lancaster, Pennsylvania, March 31.
Grant V. Wilson, Jr., Secretary, Grant Wilson, Inc., Chicago, Illinois, April 1.
Francis H. May, Jr., Vice President for Finance, Johns-Manville Corporation, New York City, April 2.
William H. White, Secretary & Treasurer, Raybestos-Manhattan, Inc., Passaic, New Jersey, April 2.

Cedric H. Rothschild, Secretary-Treasurer, Canadian Asbestos Company, St. Laurent, Montreal, Quebec, Canada, April 5.
Raymond J. Sachs, President, Porter-Hayden Company, Baltimore, Maryland, April 10.
Dr. P. H. Riordon, Vice President & General Manager, Asbestos Corporation Limited, Thetford Mines, Quebec, Canada, April 13.
J. Vermeer, Managing Director, Chemische Productenhandel J. J. van de Vrande, Haarlem, The Netherlands, April 13.

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

Insulation Handbook 1968 is now available from the publisher, Lomax Erskine Publications Limited. This is the fifth edition of the valuable bi-annual reference book covering aspects of thermal, acoustic and vibration insulation. This new edition has been brought up to date and includes names and properties of many new products introduced over the past two years and of many new companies who have recently entered the insulation industry. The contents include Building Regulations and British Standards relevant to thermal and acoustic insulation, lists of publications, several authoritative articles, conversion tables and tables of products and materials. Over 150 pages are devoted to tabulated information on the range of insulation products. Some 34 tables, each dealing with a specific type of insulation product, give details on types of materials, sizes available, weights or density, methods of fixing (where appropriate) together with "U" and "K" values. Over 800 companies operating in the field of insulation are listed. There is also a section devoted to Insulation Contractors. (272 pages, 8½" x 5½", bound in a laminated stiff card cover, 15/— post free)

„ Tropag "
Hamburg —:— Ballindamm 6
Importers since 1909 of
ASBESTOS-ORES-MINERALS

Published by AsbestosClaims.Law
asbestosclaims.law/library/12611/25

NOTES FROM 1967 ANNUAL REPORTS

JOHNS-MANVILLE CORPORATION

Net sales in 1967 for Johns-Manville Corporation were $510,409,000 compared to $512,496,000 in 1966 and net earnings reached $32,601,000 in 1967 against the 1966 figure of $38,038,000. Reduced demand for construction materials during the first half of 1967 curtailed consumption of asbestos fiber by J-M plants. A slow down in European business activity resulted in lower export shipments of fiber during the same period. New heavy duty ore moving and hauling equipment was put into operation at the *Jeffrey Mine*, Asbestos, Quebec, Canada. This is part of an expansion program, started in 1965, for mining operations at Jeffrey which by 1970 will provide an additional 100,000 tons of asbestos fiber capacity. Overburden removal and equipment installation progressed at the new asbestos mine and mill at the *Reeves Township facility* in northern Ontario, Canada. When completed early this year, this property will provide a capacity of 25,000 tons of fiber per year for use in asbestos-cement products. Expansion programs were completed for *asbestos textiles* at Marshville, North Carolina; for *transportation brake products* at Laurinburg, North Carolina and Wissembourg, France; and for *high temperature pipe and block insulation* at Long Beach, California. Sales of J-M *industrial products* remained relatively stable and accounted for 20% of total Company volume. J-M introduced several new and improved industrial products including *High Temperature Expansion Joints*. These flexible connectors are designed to accommodate expansion and contraction of large ducts carrying hot gases. This newly developed product combines the properties of both J-M glass fiber insulation and asbestos fabric to contain gases in continuous service to 1200°F. Sales of *construction materials* accounted for 67% of total J-M business. Several new J-M construction materials were introduced including *Corspan* extruded asbestos-cement sidewall panels and *Fire-King* and *Fire-Glass* Class "A" fire rated roofing shingles.

TURNER & NEWALL LIMITED

Profit for the year after taxation for Turner & Newall Limited (consolidated company) amounted to £6,887,000 compared to £7,200,000 in 1966. Total current assets for 1967 were £56,973,000 against £56,618,000 in 1966. In September, T&N opened a new asbestos-cement sheeting products factory for *Turners Asbestos Cement Company Limited*, at Ballyclare, Northern Ireland. It is also bringing into commission a new asbestos-cement pipe plant at Ditton and a new asbestos paper machine at Trafford Park. Sales of building materials and insulation products increased for *Atlas Asbestos Company*, Montreal, Canada. Asbestos products

F V

THE EXCELLENT

FULL AND HALF SYNTHETIC FELTS
NEEDLED FELTS

FOR YOUR

SHINGLE, CORRUGATING
AND TUBE MACHINES

FELTRIFICIO VENETO S.p.A.
P. O. Box 80
30170 VENEZIA-MESTRE
ITALY
Telephone: 971811
Telex: 41088 FELTEX

Published by AsbestosClaims.Law
asbestosclaims.law/library/12611/26

supplied by Atlas were used extensively in the construction of the buildings for Expo '67, particularly in the British Pavilion. The mine of *Bell Asbestos Mines Limited* at Thetford Mines, Canada, operated at optimum capacity and sales were well maintained. Progress on the major development of the mine proceeded according to plan including the sinking of a new shaft. Between 1967 and 1972 almost £5,000,000 will be spent on this project to provide access to the ore body, and to put into operation the most modern asbestos mining techniques and equipment. This expenditure will be financed entirely from earnings retained in Canada. *Ferodo (Pty.) Limited*, Jacobs, Durban, South Africa, is in its second full operational year and has achieved a satisfactory increase in turnover, both in jointings and in friction materials. The company's share of the market grew steadily and reasonable profit margins can be looked for as production and turnover reach planned levels. *Turners Asbestos Products (Pty.) Limited*, Chilanga, Lusaka, Zambia, increased its range of products for the building industry and is well equipped to play its part in the continuing development of Zambia. Turner & Newall's mining interests in South Africa and Swaziland are controlled by *New Amianthus Mines (Pty.) Limited*, of Johannesburg. The various operations continued satisfactorily and production at the Havelock Mine, in Swaziland, was at maximum economic level.

SURVEYER, NENNIGER & CHÊNEVERT INC.

Complete Consulting Engineering
Services for the Asbestos Industry

Completed:
Mill No. 5,
Canadian Johns-Manville, Asbestos, P.Q.

Advocate Mines,
Baie Verte, Newfoundland.

Under Construction:
Reeves Project,
Reeves Township, Ont.

1550 de Maisonneuve Blvd. West, Montreal, Canada
Telephone 931-2261
Cable Address: SNCINC Montreal



Phenolic Resins
LIQUID · LUMP · POWDER

Cashew Resins
LIQUID · PARTICLE · POLYMERS

POLYREZ COMPANY, INC.
SOUTH COLUMBIA ST. AND RAILROAD
WOODBURY, NEW JERSEY 08096



Exporters of

RAW ASBESTOS

ALL GRADES—ALL TYPES

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

P. O. BOX 11000
RAND CENTRAL — 165 JEPPE STREET

JOHANNESBURG · SOUTH AFRICA

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

Published by AsbestosClaims.Law
asbestosclaims.law/library/12611/27

ASBESTOS STOCK QUOTATIONS

Close—February 29, 1968

Abex	29⅞	GAF (pfd 1.20)	27⅜
Advocate	*$2.62	Glen-Alden (.70)	13¼
Asarco	66¼	G-Alden (pfd 2.25)	49
Armstrong Cork	56½	G-Alden (pfd 3.15)	101
Armst Ck (pfd 3.75)	67¾	G-Alden (pfd 3)	92
Asbestos Corp.	$*21.50	Gulf & Western	43⅛
Bendix	40¾	G&W (pfd 1.75)	136⅛
Bendix (B pfd)	72½	G&W (pfd 3.50)	171
Cassiar	*$16.00	G&W (pfd 3.87)	73½
Certain-teed	18⅞	G&W (pfd 5.75)	76¼
Cert-teed (pfd .90)	19¼	Johns-Manville	59¾
Conwest	*$7.75	National Gypsum	49
Fiberboard	41¾	Patino	*$19.50
Flintkote	23¼	Raybestos	72
F-kote (pfd—B 2.25)	36⅛	Unarco	11¼
F-kote (4—pfd 4)	64	Union Carbide	42⅞
Garlock	18½	Uniroyal	48
Gen Anil & Film	20⅛	Uniroyal (pfd 8)	136

*Canadian currency

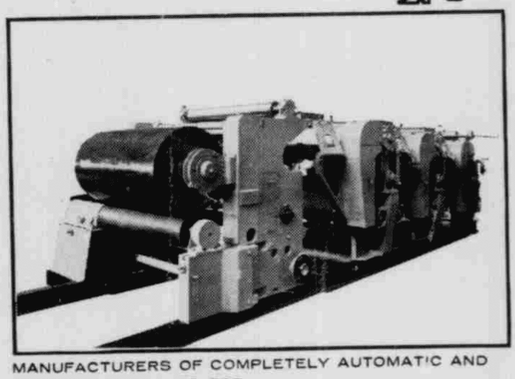
Vermont—The output in 1966 of asbestos from Orleans County, Vermont, increased slightly over the 1965 production, both in quantity and value. The average price per ton increased from $89.72 in 1965 to $90.54 in 1966. Vermont Asbestos Mines, a division of Ruberoid, quarried and processed chrysotile asbestos at its quarry and mill located at Lowell. Twenty-four grades were produced for spinning, cement stock, paper stock and other uses. Some serpentine waste rock was used for roadstone. Ruberoid was awarded the Certificate of Achievement in safety. In its Quarry Group, the company compiled a total of 132,918 man-hours worked without a disabling injury. (The Mineral Industry of Vermont, preprint from the 1966 U.S. Bureau of Mines Minerals Yearbook, 10c)

WANTED — ADMINISTRATIVE ASSISTANT—Young, Executive "back-up" man. Experience in order-processing and pricing of pipe coverings and related products preferred. Minimum of 2 years college. Substantial salary and opportunity. Send full details.
YORK INSULATION CO., INC.
Hillside, New Jersey 07205

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

Published by AsbestosClaims.Law
asbestosclaims.law/library/12611/28

ASBESTOS PRICES

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

(As of July 10, 1964)

No. 1 Crude	$1,410.00 to	$1,650.00
No. 2 Crude	610.00 to	900.00
AAA	..	800.00
Group No. 3 (Non-Ferrous Filtering & Spinning)	425.00 to	750.00
Group No. 4 (Non-Ferrous Plastic & Filtering)	385.00 to	500.00
Group No. 5 (Plastic & Filtering)	250.00 to	400.00
Group No. 7 (Refuse & Shorts)	58.00 to	90.00

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

(As of April 1, 1967) Canadian Currency

Crude No. 1	$ ..	$1,410.00
Crude No. 2	..	760.00
Group No. 3 (Spinning Fibre)	360.00 to	588.00
Group No. 4 (Shingle Fibre)	198.00 to	335.00
Group No. 5 (Paper Fibre)	140.00 to	165.00
Group No. 6 (Waste, Stucco or Plaster)	..	101.00
Group No. 7 (Refuse or Shorts)	47.00 to	85.00

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

(As of January 1, 1968) Canadian Currency

AAA grade (non-ferrous spinning fibre)	$ 810.00
AA grade (non-ferrous spinning fibre)	643.00
A grade (non-ferrous spinning—Canadian Group 3)	484.00
AC grade (asbestos-cement—Canadian Group 4)	345.00
AK grade (shingle fibre—Canadian Group 4)	241.00
CP grade (shingle fibre—Canadian Group 4)	220.00
AS grade (shingle fibre—Canadian Group 4)	200.00
CT grade (shingle fibre—Canadian Group 4)	195.00
AX grade (shingle fibre—Canadian Group 5)	177.00
CY grade (shingle fibre—Canadian Group 5)	126.00
AY grade (shingle fibre—Canadian Group 5)	126.00

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

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

Group No. 3 (spinning & filtering)	$ 319.00 to	$ 342.00
Group No. 4 (shingle fiber)	186.00 to	296.00
Group No. 5 (paper fiber)	132.00 to	156.00
Group No. 6 (waste, stucco or plaster)		96.00
Group No. 7 (shorts & floats)	44.50 to	80.00
Group No. 8 (shorts)	..	26.50

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/12611/29

ASBESTOS PATENTS

U.S. Patents on Asbestos and Asbestos Products, by Oliver S. North.

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

U.S. Patents issued from January 16 through February 6, 1968.

3,365,358—Asbestos Saturating Paper Including Cellular Hollow Gas-Containing Resin Spheres, M. C. Hutchins (assigned to Johns-Manville Corporation, New York City), January 23, 1968.

3,367,871—Molded Precision-Dimensioned High-Temperature Material, A. P. Mueller & B. Asher (assigned to The Philip Carey Manufacturing Company, Cincinnati, Ohio), February 6, 1968.

Rocalla, S.A., founded in 1914, has been manufacturing a wide range of asbestos-cement building products for more than half a century. In line with continuous development and progress, the company has reported it is installing a new factory in Cordoba, Spain, for the manufacture of pressure pipes.

going on activity initiated
150 years ago as machine works

F/LLI **BAZZI** G. & L.

33 CORSO INDIPENDENZA • PHONE 4997/8
CASALE MONFERRATO (ALESSANDRIA) - ITALIA

Supplies machinery for manufacturing plain and corrugated asbestos-cement sheets and projects of plants



Carey-Canadian Asbestos

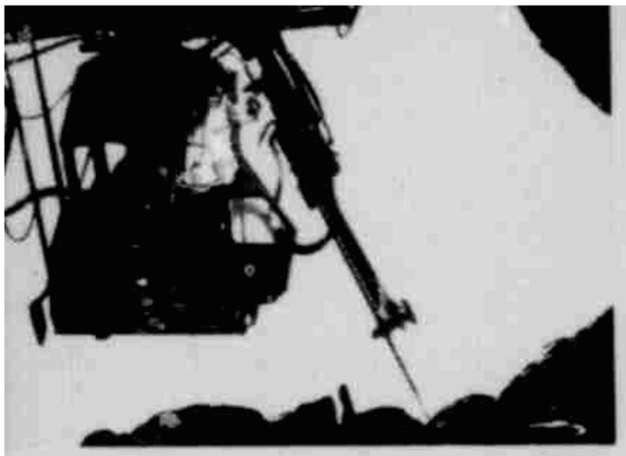
■ Grit-Free ■ High Fibre Value ■
Uniform Fibre Length ■ Unusual
Whiteness ■ Low Iron Content

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

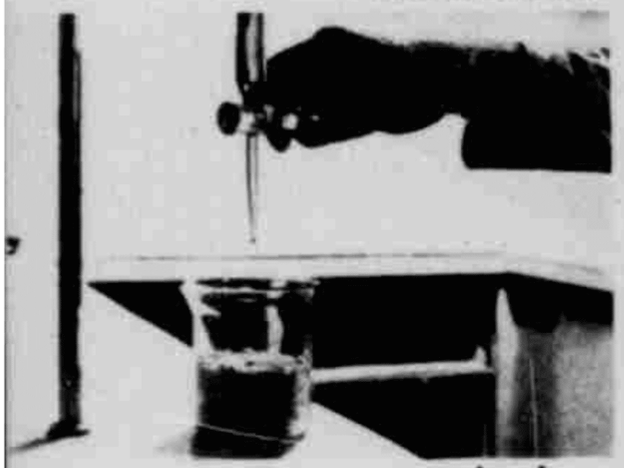
Carey.



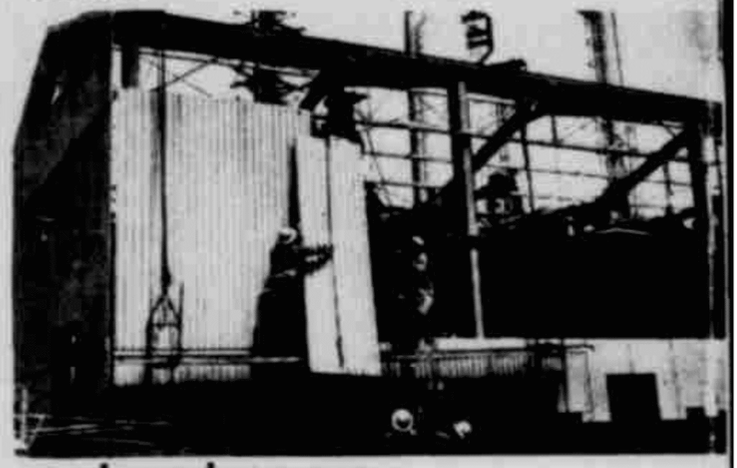
We mine...



mill...



test...



and produce our own asbestos products

That's *quality* control!

Ruberoid has a completely integrated asbestos operation. We control quality from the mine to the finished product. When our asbestos corrugated siding reaches the construction site, it's been through the mill in more ways than one. We've tested it at each stage to assure that it's top notch.

Ruberoid also offers a complete line of chrysotile fibers for use in electrolytic cells, compressed sheets, brake linings, gaskets, plastics, shingle stock, asbestos papers, insulation cements, floor tile and phenolic molding compounds.

For full details write to The Ruberoid Co., a division of General Aniline & Film Corporation, 733 Third Ave., New York, N. Y. 10017, Dept. A-127.

RUBEROID

ASBESTOS FIBRE

another fine product from

gaf

Export distribution for Middle Europe handled by:
Heinrich Osthoff-Petrasch, 2 Hamburg 63, Am Karpfenteich 48, Germany
Export distribution elsewhere handled by:
Columbian Carbon International Inc., 380 Madison Ave., New York, N. Y. 10017

Published by AsbestosClaims.Law
asbestosclaims.law/library/12611/31