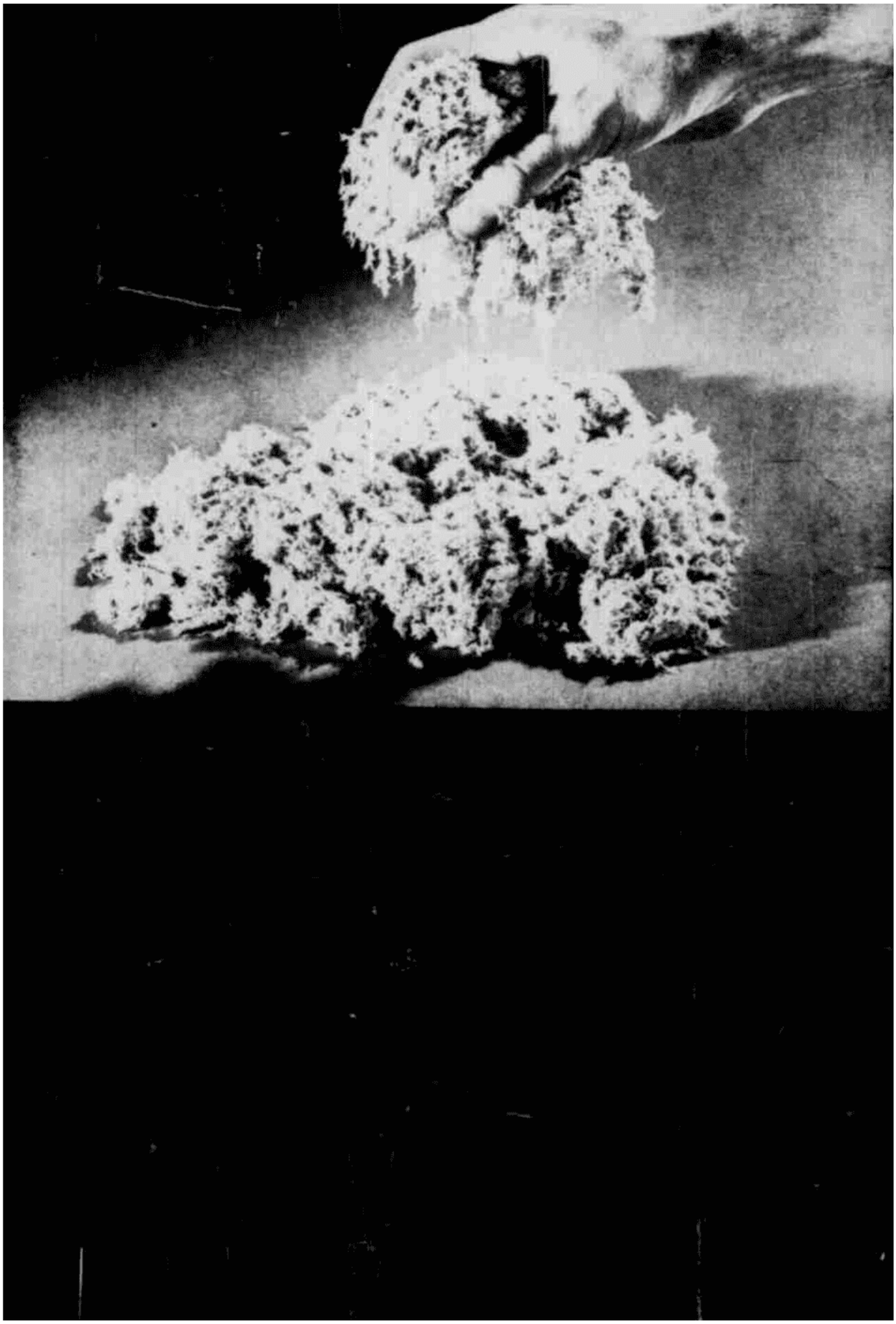


Published by AsbestosClaims.Law
asbestosclaims.law/library/12582/1

THE
PUTTEN'S ASBESTOS CORP.
ORGANIZATION

All types and grades

RHODESIAN AND SOUTH AFRICAN
ASBESTOS FIBRES
CHRYSOTILE — CROCIDOLITE (BLUE)
AMOSITE — MONTASITE

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

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

PUTTEN'S ASBESTOS CORPORATION (U.K.) LTD.
3/4 Bevis Marks, St. Mary Axe, London, E. C. 3.
Tel. Add. "Euraf London", Telex: 28202, Tel. AVE 1091

ASBESTOS

VOLUME 47 OCTOBER 1965 NUMBER 4

CONTENTS

FIBRE TESTING FOR THE ASBESTOS CEMENT INDUSTRY 2
AUTOMOBILE SALES 14
BUILDING 18
MARKET CONDITIONS 20
PRODUCTION 30
IMPORTS & EXPORTS 32
INDUSTRY NEWS 42
ASBESTOS PRICES 48

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.

Trust of C. J. STOVER, *Proprietor*; E. E. COX, *Editor*
Copyright 1965, 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).

FIBRE TESTING
FOR THE ASBESTOS CEMENT INDUSTRY

By: A. A. Hodgson, B.Sc., Ph.D., F.R.I.C., Head of the Research Laboratory, Cape Asbestos Fibres Limited, London, England.

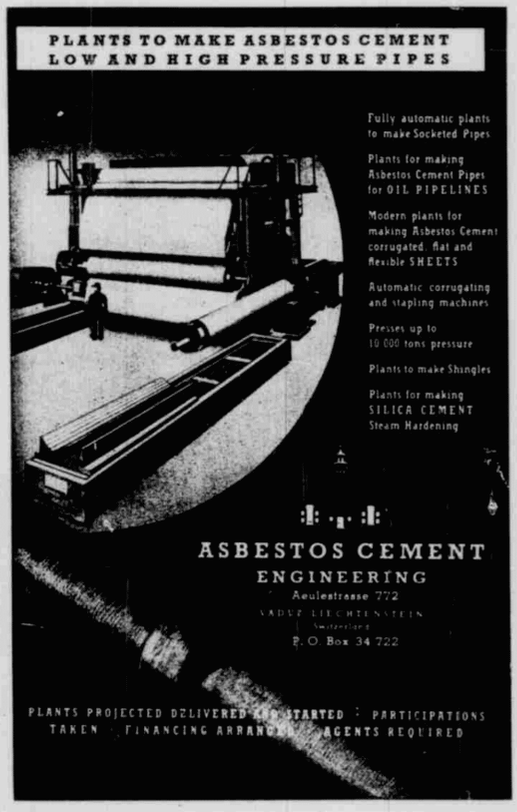
(Following is Part II of the article contributed by Cape Asbestos Fibres Limited, a member of the Cape Asbestos Group. Part I appeared in the September 1965 issue of ASBESTOS.)

PART II

The second group of fibre test methods relates directly to the manufacture of asbestos-cement products, and each method must take into account the complete asbestos-cement-water system as it applies in a wet asbestos-cement process. Standardized test methods do not do this fully, and therefore some modifications are necessary to reach a realistic assessment of the function of asbestos in this system.

Conventional wet bulk volume, or buoyancy, tests use only an asbestos-water system, and the results of such tests are sensitive to such factors as pH, hardness, temperature, dissolved air in the water, and occluded air in the fibre. Such tests do not reveal the difference between chrysotile and amphibole fibres in their response to the alkaline solutions met with in practice. A constructive wet bulk volume test brings cement into the system and also uses a back-water filtered from an asbestos-cement slurry. In this system high alkalinity and dissolved materials from the cement blanket the effects of pH, hardness and temperature. Dissolved and occluded air no longer interfere and the buoyancy of the asbestos-cement mixture is wholly related to the liveliness of the fibre in resisting the depressive effect of the cement. The use of back-water saturated with alkalis and other substances by contact with cement is important. Synthetic back-water made by saturating fresh or distilled water with lime and gypsum does not necessarily give acceptable results in this test, presumably because of the lack of small proportions of other substances which are otherwise released in the hydration of cement.

The same principles apply in the filtration or freeness testing of asbestos fibre for the asbestos-cement industry. The test is not concerned solely with the freeness of asbes-



Published by AsbestosClaims.Law
asbestosclaims.law/library/12582/3

tos fibre, but rather with the filtration properties of asbestos-cement slurries as modified by the inclusion of different types of asbestos. Temperature of the test slurry is important here, as the freeness of cement alone in the system is highly susceptible to changes in temperature. Measurements must therefore be made at a standard temperature, or results must be corrected for deviation from this temperature.

The wet bulk volume and filtration tests as described here establish quite clearly that in the asbestos-cement-water system, chrysotile fibres react differently from blue and amosite asbestos. The reason for this is bound up with profound differences in the surface properties of these two major groups of asbestos. Chrysotiles generally produce low wet volumes and the wet volume does not always respond to changes in the degree of fiberization of the fibres. Amphibole fibres generally give high wet volumes, some three times greater than those of chrysotile and which can be improved upon by further increases in the degree of fiberization. Similarly the filtration properties of chrysotile differ from those of the amphibole fibres in the asbestos-cement-water system, amphibole fibres inducing drainage rates some four times faster than do chrysotile fibres. The asbestos component in these tests must of course be processed to the degree of opening corresponding to that used on the industrial scale. No advantages accrue from tests on crude or partially processed fibres, and such tests in themselves can be misleading, except for example when we wish to investigate changes in the wet bulk volume of particular grades over a wide range of processing developing from the crude material.

The importance of the wet bulk volume of asbestos-cement solids is two fold. Firstly both the rate of settling and the final volume of the solids illustrate the condition of the asbestos-cement suspensions in mixing vessels, transfer tanks and vats of the large scale process. The more rapid the rate of settling, and the lower the bulk volume of solids, the more difficult it is to mix and maintain uniform suspensions in process. Secondly the better the bulk volume of solids in suspension, the greater is the bulk of material transferred per pass to the felt and ultimately to the making roll. Generally speaking the better the bulk of solids

CAPE BLUE ASBESTOS

Direct from the Mines or from stocks in London

•

TRANSVAAL BLUE · AMOSITE
CHRYSOTILE · ANTHOPHYLLITE

•

Processing of all grades of Asbestos carried out in our London Works.

CENTRAL ASBESTOS Co., LTD.

CENTRAL HOUSE • THOMAS ROAD • LONDON E.14
'Phone EAST 5711 Cables CENBESTOS LONDON
CENTRAL ASBESTOS (S. A.) PTY LTD. P.O. BOX 10213 JOHANNESBURG

Published by AsbestosClaims.Law
asbestosclaims.law/library/12582/4

on the felts, the easier they will drain. Moreover compression of low bulk solids at the making roll leads to unwarranted high densities of product and a tendency towards lack of cohesion between the hard compressed laminates. Improvements in the bulk volume of the stock will lead both to lower densities of product and less delamination. Obviously the wet bulk volume testing of comparative blends of fibres can help considerably in deciding the technical merits of particular fibres chosen for possible use in an asbestos-cement works, and there is every advantage in having some flexibility in tests of this nature so that they can be integrated with the needs of different processes.

It will be evident too that the filtration test outlined here provides powerful facts of direct application in the asbestos-cement slurries, and as this method of testing can show such properties spring from the correct method of blending of chrysotile and amphibole fibres. It is not sufficient to stop at the testing of individual types of fibre either in this or the wet volume test method. Having established the properties of individual grades of both amphibole and chrysotile fibres, the ultimate objective of these tests must be to assess the performance of practical fibre blends on the laboratory scale with a view to improving the manufacturing process.

It is on this same point that the potential of laboratory scale asbestos-cement reinforcement tests with asbestos fibre has not always been fully realized. The test method involves the making of a small asbestos-cement sheet, allowing it to cure, and then testing it to determine its modulus of rupture, or flexural strength. The value of the modulus of rupture indicates the relative reinforcement which can be obtained from any particular fibre or fibre blend. Reinforcement tests aimed at producing a scale of values, derived from the exclusive testing of each separate grade of fibre, can only be regarded as providing basic information. These values can certainly be considered as additive and it is possible to make a proportional sum to determine the reinforcing value of blends of fibre. The result of such a calculation does not necessarily represent a true assessment of the blend, and the method lacks realistic simulation of the large scale process.

A standardized reinforcement test overlooks one im-

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.

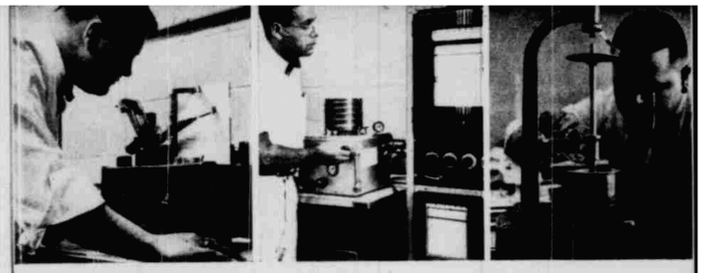
85, Corso Pietro Colletta - TORINO (Italy) - P. O. Box 468
Cable Address: Erciem Torino - Phone: 233823/4/5 - 284837 - 284797

Published by AsbestosClaims.Law
asbestosclaims.law/library/12582/5

portant fact; that the increase in reinforcement value for unit increase in the proportion of asbestos in the asbestos-cement mix varies greatly for different types and grades of fibre. This is undoubtedly a further facet of the surface property characteristics of asbestos fibres, and is related to the degree to which fibres disperse in the asbestos-cement system. In the current view the combined effects of surface property and textural characteristics of the different types of asbestos fibres interact markedly where blends of two or more types or grades are employed. The inclusion of amphibole fibre brings about a convincing improvement in the dispersion of chrysotile fibres in the asbestos-cement system, so that in the finished products there is no bunching of chrysotile fibres and their full reinforcing effect can be realized. The interdependence of amphibole and chrysotile fibres is revealed in all three of the closely related functions of filtration, wet bulking, and reinforcement. Less clearly defined are the interactions between chrysotiles from various regional sources but nevertheless the blending of harsh and soft fibres from widely separated deposits does influence subjective opinions on the running conditions of asbestos-cement machinery.

Taking due regard of these factors the definition of the best all round blend cannot be determined by separately testing individual grades of fibres and making an arithmetical sum of the results. While providing a good lead such an approach only takes one part of the way to the solution of the whole problem. The ultimate function of this test should again be directed towards determination of the reinforcing properties of blends of asbestos fibres, so that their true technical value can be assessed alongside their economic value.

One final point requires some emphasis. The question of physico-chemical relationships between cement and asbestos remains as yet incompletely understood, but nevertheless the importance of the cement component in the system must be recognized. While the physical properties of ordinary Portland cement and its hardened mortar are standardized within recognized limits, the phase composition of the cement may vary considerably from source to source. Its activity will have some influence on the threefold function of asbestos in the asbestos-cement system. Similarly



LAKE ASBESTOS RESEARCH,

BOTH BASIC AND APPLIED, CONTINUES TO DEVELOP NEW KNOWLEDGE CONCERNING CHRYSOTILE ASBESTOS. THIS HAS LED TO THE DEVELOPMENT OF GRADES ESPECIALLY DESIGNED TO MEET CUSTOMERS' REQUIREMENTS. A LETTER OUTLINING YOUR REQUIREMENTS WILL HAVE OUR PROMPT ATTENTION.

LAKE ASBESTOS OF QUEBEC, LTD., 120 BROADWAY NEW YORK, N.Y. 10005

SALES AGENTS

Argentina, Buenos Aires
"Ibrasil" Cia Sudamericana de Industria y Comercio S.A.
Brazil, Rio De Janeiro, Sao Paulo
"Brasimet Comercio e Industria S.A.
California, Los Angeles
E. B. Taylor Company
California, San Francisco
E. M. Wells Company
Canada, Montreal
Federated Metals Canada, Ltd.
Canada, Toronto
Federated Metals Canada, Ltd.
Colombia, Barranquilla
Holanda, Colombia, S.A.
Colorado, Denver
Van Waters & Rogers, Inc.
Florida, Largo
Gulf Coast Chemical Corporation
Illinois, Chicago
Fred A. Jensen & Associates, Inc.
Massachusetts, Allston
D. H. Litter & Co., Inc.
Mexico, Mexico City
Cia. Minera Asarco, S.A.
Michigan, Detroit
Baker & Commerce
Minnesota, Minneapolis
Industrial Chemical & Equipment Co.
Missouri, St. Louis
Harry J. Bauhotark & Company
New York, Buffalo
Buffalo Solvents & Chemicals Corp.
New York, New York
D. H. Litter & Co., Inc.
Ohio, Cleveland
A. C. Mueller Co., Inc.
Oregon, Portland
Van Waters & Rogers, Inc.
Pennsylvania, Conshohocken
Van Horn, Metz & Co., Inc.
Texas, Houston
Coon Chemical Corp.
Utah, Salt Lake City
Van Waters & Rogers, Inc.
Washington, Seattle
Van Waters & Rogers, Inc.

A SUBSIDIARY OF AMERICAN SMELTING AND REFINING COMPANY ASARCO

LAKE ASBESTOS

there are grounds for believing that the proportion of calcium aluminate in the cement affects the properties of the asbestos-cement end product, and that the relation between particle size of the cement and the average diameter of asbestos fibres is effective in determining its ultimate strength. Thus beyond the stage of using the reinforcement and its allied tests solely to investigate asbestos fibres, there is considerable scope for using these same methods to investigate the influence of cements in the system. The fibre testing laboratory should adopt the principle that test methods take a lead from the asbestos-cement manufacturing process and that all the raw material components of this process are of equal importance in the understanding of their individual functions.

THE SOUTH AFRICAN TECHNICAL COMMITTEE FOR ASBESTOS, appointed to draw up a specification for the standard grading of asbestos, has decided to concentrate initially on investigating methods of test for the three main types of asbestos, namely amosite, crocidolite and chrysotile. Once these methods have been approved, the possibility of preparing a standard specification for grading classifications will be considered. Since the method of sampling and preparing asbestos fibres for test purposes described in the Canadian Manual of Testing Procedures for Chrysotile Asbestos Fibres is widely accepted and in general use, this method may be adopted as a standard procedure, while the Standard Canadian Fibre Conditioner for conditioning the fibre prior to testing may also be adopted. To initiate this project, it was decided to limit the first stage of those basic properties controlled by quality testing in the majority of the producing mills. They are: length distribution, undesirable elements (grit and dust), and degree of openness. The South African Bureau of Standards, in setting up an Asbestos Testing Laboratory, will acquire the necessary testing equipment. To do this, it will collaborate with major producers and consumers and carry out comparative tests on various apparatus to establish their suitability for the testing of all three types of asbestos fibre.

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/12582/7

ASBESTOS CORPORATION LIMITED

REPRESENTATIVES IN ALL PARTS OF THE WORLD

In the UNITED STATES obtain the name and address of the nearest ACL representative from:

ASBESTOS CORPORATION SERVICES LIMITED

P.O. Box 1044,
Darien, Conn.

100 South Wacker Drive,
Chicago 6, Ill.

CANADA
Albion Asbestos Packings,
2195 Ekers Ave.,
Montreal, Quebec
Canadian Asbestos Ontario Ltd.,
27 Front Street East,
Toronto, Ontario

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

FRANCE
Georges Parly & Cie.,
10, rue de la Pepiniere, Paris, (8e)

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

GERMANY, AUSTRIA, HOLLAND, HUNGARY
Becker & Haag,
Hapag-Haus,
58 Ferdinandstrasse,
Hamburg 1, Germany

ITALY, GREECE, TURKEY LEBANON, IRAN, KUWAIT, LIBYA
Soc. Fibramianto, A.R.L.,
Piazza P. Clotilde, 6,
Milan, 501, Italy

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

SWEDEN
G. & L. Beijer Import & Export AB,
P.O. Box 2135, Gothenburg, 2

FINLAND
Oy Esope, AB.,
P.O. Box 6233, Helsinki

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

MEXICO
ACOSA,
Apartado 8600, Mexico 2, D.F.

TAIWAN
Yah Sheng Chong Yung Kee,
198 Nan King East Road, Section B,
Taipei

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

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

BURMA, W. PAKISTAN, INDIA, THAILAND AND PHILIPPINES
G. Williams & Co. (Pvt.) Ltd.,
"Advent", 8th Floor,
Foreshore Road, Bombay 1, India

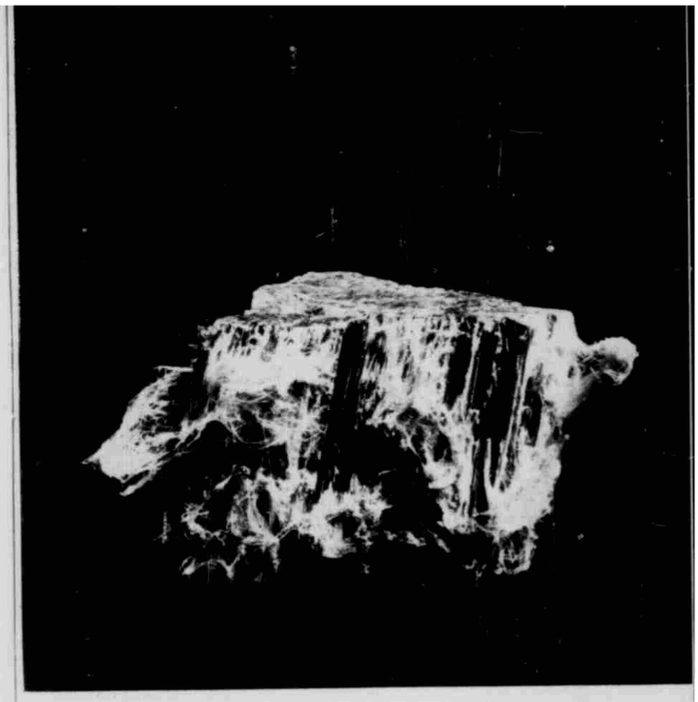
AUSTRALIA, NEW ZEALAND
Hardie Trading Limited,
594 St. Kilda Road,
Melbourne, S.C. 3, Australia

SPAIN, BULGARIA, ROUMANIA, IRAQ, YUGOSLAVIA
C. J. Petrow & Co. (Pty.) Ltd.,
P.O. Box 11000,
Johannesburg, South Africa

PORTUGAL
Mundial Export Corp.,
500 Fifth Avenue,
New York, N.4, 10036

SPAIN
J. Marco & Son Export Co. Ltd.,
10 Victoria St., Liverpool 2, England

ARGENTINA
Gerstmann & Deutsch,
Casilla de Correo 1599,
Buenos Aires



asbestos...pure but not simple

... is the business of Asbestos Corporation Limited. The world's oldest and most experienced producer of asbestos, ACL can provide fibres for every conceivable application — from textiles and asbestos-cement products to fillers for paints and plastics. The mines and mills of the largest independent primary asbestos miner produce a variety of grades and qualities which enable ACL to satisfy your most exacting demands. All fibre from the longest to the shortest grades, is quality-controlled to the highest standards of the industry. If you have a process, project or product which involves asbestos, deal with the specialists — Asbestos Corporation Limited.

ASBESTOS CORPORATION LIMITED
Thetford Mines, Quebec

ASBESTOS

Automobile Sales

The Automobile Manufacturers Association, Detroit, Michigan, has issued the following statistics of motor vehicle factory sales from plants in the United States for JULY 1965: total 880,100 (passenger cars 753,999; trucks and buses 126,101). The total for July 1964 was 691,445. The figure for the first seven months of 1965 was 6,909,830 compared with 5,934,474 for the same period 1964.

U.A.M.—A catalog on Standard three-inch insulated and single skin *asbestos-cement sheeting* is now available from the Universal Asbestos Manufacturing Company Limited, Watford, Hertfordshire, England. With one-inch glass fibre or equivalent insulant, this sandwich construction sheeting has a U value of 0.23. This catalog contains numerous working drawings of roof, walls, expansion joints and other details, as well as a price guide and notes on site handling and fixing.

NICOLET KOLORMATE asbestos-cement table tops were specified for out-of-door use at the newly opened Mauna Kea Beach Hotel in Honolulu, Hawaii. Because KolorMate has already proved itself ideal for use as decorative furniture, laboratory table tops and building exteriors, it was a logical choice for durability and resistance to changing weather conditions. Added to this is its availability in decorator colors.

POLYREZ®
Phenolic & Cashew Resins
Cashew Dusts & Polymers
POLYREZ COMPANY, INC.
RAILROAD & SO. COLUMBIA WOODBURY, N.J.

CANADIAN ASBESTOS



THE NICOLET ASBESTOS MINE
Norbestos (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/12582/9

MARINITE pressed asbestos insulation board is an economical and practical material for a wide range of structural and insulating applications. A comparatively recent development is the use of the material for the construction of drying chambers for carpet finishing and drying machines. The drying chamber is constructed of Marinite panels erected on light section steelwork, thus ensuring consistent insulation by the elimination of loose insulation which can shake down and form gaps. The high thermal efficiency of Marinite results in low fuel consumption and uniform overall drying of the backing. Another advantage may be seen in that the material is corrosion proof and permeable, which prevents the formation of condensation on the face of the board. Marinite is manufactured by Marinite Limited, London, England.

ASTM JOURNAL OF MATERIALS will be available in April 1966 from the American Society for Testing and Materials. It is designed for faster dissemination of new developments in materials technology and to meet the expanding needs of engineers and scientists concerned with materials. Journal of Materials will be published on a quarterly basis and will contain some 60-70 articles per year on subjects in the field of materials technology and materials evaluation methods. To insure inclusion of papers of the highest quality, they will be selected for their timeliness, pertinence and contribution to the fundamental knowledge. (Year's subscription—$15.00; to ASTM members—$10.50).

THE BAUER BROS. CO.'s recently introduced Centri-Sonic Classifier will be exhibited at Booths No. 4225-4227 at the 30th Exposition of Chemical Industries, to be held in the Coliseum, New York City, November 29th through December 3rd, 1965. This is the first United States showing. Also to be displayed is the triple action Hurricane which simultaneously pulverizes, classifies and extracts impurities through a patented process. A third demonstration display will feature Bauer's wide line of liquid cyclones, including the recently introduced 20 GPM all-nylon unit.

BAUER TRIPLE ACTION
HURRICANE

does 3 big jobs at once with automatically controlled operation.

1 Fiberizes

2 Classifies to desired grade to improve end product.

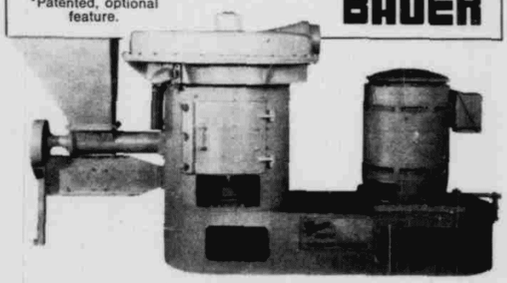
3 Extracts impurities* such as magnetite, sand and *dust... to upgrade* quality at lower costs.

SAVES TIME, SPACE AND LABOR COSTS WHILE UPGRADING FIBRE QUALITY

The Hurricane has been thoroughly proven in many installations, including the largest processors. Ask for details.

*Patented, optional feature.

BAUER



The Bauer Bros. Co./Bauer International
Springfield, Ohio 45501, U.S.A. and Brantford, Ontario, Canada

Published by AsbestosClaims.Law
asbestosclaims.law/library/12582/10

Building

AUGUST 1965—According to the F. W. Dodge Company, a division of McGraw-Hill, Inc., the value of August contracts for new construction amounted to $4,265,434,000, 13% above the total reported for August 1964.

Nonresidential building contract value was $1,507,227,000 in August for an 18% gain over the year-ago amount. On an August-to-August basis, educational buildings, hospitals, and recreational buildings all showed very large increases of between 25% and 50%. Commercial and manufacturing building contracts, which had been posting large gains all throughout the earlier months of 1965, showed only a 3% increase and a 4% decline, respectively.

Residential building contract value was reported to be $1,970,665,000, 17% above August 1964. All major categories—single family homes, apartments and nonhousekeeping residential structures—made large gains in the latest month.

The one sluggish category in the latest month's totals was nonbuilding construction, which at $787,542,000 was 2% below the August 1964 amount. Street and highway contracts held even with the year-ago volume and the utilities group declined 37%. Gains were shown for sewer and water projects, river and harbor development, and bridges.

The current month's activity brought the year's cumulative construction contract value to $33,631,244,000, 4% ahead of the 1964 eight-month total.

YOUR ONE GIFT
THE UNITED WAY
works many wonders



blankets the earth... ASBESTOS FROM CAREY-CANADIAN

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

Glebe, N.S.W., Australia	Chemical Materials, Ltd.
Wien, Austria	Robert Weisz
Taipei, Taiwan, China	Ziang Tai Mercantile Company
Copenhagen, Denmark	Andreas Jennow A/S
London, England	Central Asbestos Company, Ltd.
Helsinki, Finland	Oy Max
Paris, France	Compagnie Commerciale de Minerais Et Matieres Premieres
Duisburg, Germany	Deutsche Asbest-Gesellschaft G.M.B.H.
Lubeck, Germany	Possehl Erzgesellschaft
Calcutta, India	Expert Agency Service Private, Ltd.
Tel-Aviv, Israel	K. J. Deutsch
Tokyo, Japan	T. Kakiuchi & Company, Ltd.
Seoul, Korea	IHL-Hung Trading Co.
Haarlem, Netherlands	Chemische Productenhandel J. J. Van De Vrande
Auckland, C.I., New Zealand	Neill, Cropper & Company, Ltd.
Durban, South Africa	John Beith Pty. Limited
Buenos Aires, Argentina, S.A.	Will L. Smith, S.A.
Sao Paulo, Brazil, S.A.	Intertrade
Barranquilla, Colombia, S.A.	General Sales Corp. Ltda.

Carey®

Published by AsbestosClaims.Law
asbestosclaims.law/library/12582/11

MARKET CONDITIONS

General Business.

General market conditions continue good. Settlement of the steel strike threat has eased the tension which had been hanging over the whole country for several months. While this may lead to a decline in steel production for a short time, large steel users have a good backlog of business and the lull in steel should be only temporary. Other sectors of the economy remain quite busy and, even though profit margins are still narrow, many leading companies are showing higher profits on larger sales. While the current war situation accounts for some of this larger sales volume in some companies, it seems that consumption of consumer goods is the key to the high level of sales of both durable and non-durable goods by American industry at this time. So long as this continues it seems our level of domestic business activity should remain on a relatively high plane.

Asbestos—Raw Material.

Quebec asbestos fibre shipments for the Industry during August 1965 totalled 112,271 tons, 3,149 tons or approximately 3% higher than the same period last year. Year to date shipments at 718,753 tons are running 33,515 tons or roughly 5% below those of 1964.

Asbestos—Manufactured Goods.

Asbestos Textiles. Asbestos textile manufacturers report the demand for their products has reached a new high for 1965. Price increases ranging from 5% to 10% on most products are becoming increasingly widespread throughout the industry as manufacturers are striving to offset increased costs resulting from two general textile wage increases in less than a year. With automotive and heavy industries continuing to operate at a high level of productivity, the asbestos textile industry will surely set a new production record in 1965 for a non-wartime year.



Greater coverage . . . less shrinkage!

Prove to yourself that Gold Bond® Asbestos 7M-2 is definitely better for Thermal Insulating Cement. Greater coverage with less shrinkage means lower manufacturing and application costs. Any questions? Write National Gypsum Company, Buffalo, N. Y. 14202. In Canada, National Asbestos Mines, Thetford Mines, P. Q.

PROVE IT TO YOURSELF	Gold Bond Asbestos 7M-2	Put **any** competitive asbestos figures here...and compare
Shrinkage (volumetric)	27%	
Wet Coverage (equal ratio)	28 bd. ft.	
Dry Coverage	20 bd. ft.	

NATIONAL GYPSUM COMPANY
BUFFALO, NEW YORK 14202

Gold Bond
ASBESTOS FIBRES

Published by AsbestosClaims.Law
asbestosclaims.law/library/12582/12

Asbestos Brake Lining. Sales of both new and second-hand cars are running at an all-time high. As the volume of automobile registrations yearly soars to new high levels, the potential for this market likewise increases. Record sales and profits should continue for the remainder of the year.

Asbestos Paper. This market continues on an even basis and indications are that price increases effective earlier this year are holding. No change in this situation is anticipated for the balance of the year.

Asbestos Millboard. Supply of this product is ample for the demand and a continuation of this condition is expected for the rest of the year.

Asbestos Felts. Demand for asbestos felts is high and indications are that this demand will continue strong for the balance of 1965.

Corrugated & Flat. Although the market for corrugated sheets had a slow start, it is now equal to that of 1964 and the outlook for the rest of the year is very good.

High Pressure Insulation. Business and bids for jobs are at an all-time high and after a summer increase, prices are very firm. The market is steady and 1965 should prove to be a very strong and record-level year.

Asbestos-Cement Siding. New construction is expected to exceed year-ago levels and since consumer income is at a record level, the improvement market should increase in activity thus favorably affecting the market for asbestos-cement siding.

Asbestos-Cement Pipes. A short term outlook indicates some slackening of demand but for a longer term, business is holding about level to that of the past year.

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

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:

Textile Administrative Center,
U.S. Rubber Co.,
350 Columbia Road,
Winnsboro, S. C. 29180

Textile Division
UNIROYAL
U.S. RUBBER

®ASBESTON IS THE U.S. RUBBER REGISTERED TRADEMARK FOR ITS ASBESTOS YARNS AND FABRICS.

PHILADELPHIA ASBESTOS CORPORATION, presently based at 2010-22 North Tenth Street, Philadelphia, Pennsylvania, has acquired and begun operations in the adjoining building. This represents an increase of more than 35% in the plant area of the insulation firm. C. Branton Wheatley, President of Philadelphia Asbestos, hailed the acquisition as "desperately needed additional space to house our expanded manufacturing and sales operations", revealing that part of the space will be used for the manufacture of Foam-glass pipe covering under rights granted by Pittsburgh Corning Corporation. The remainder will be used as a warehouse and retained for future expansion of the manufacturing operations. Philadelphia Asbestos, founded in 1923 by the late Edmund Teubner, manufactures, sells and applies a wide range of insulation products.

FRICTION MATERIALS STANDARDS INSTITUTE, at its annual meeting on June 16th, 1965, elected the following officers for the year starting July 1st: President—Alexander J. Bette, Johns-Manville Corporation; Vice President—John H. Kelly, Marshall-Eclipse Division, The Bendix Corporation; Treasurer—Harold Hodson, Marshall-Eclipse Division, The Bendix Corporation; and, Secretary—Miss Harriet G. Duschek. Other members of the Board of Directors serving with these officers are Frank T. Gatke, Joseph W. Greenen, William J. Vachout, James L. McGovern, Jr. and Wade E. Canfield.

FLINTITE A-C PRESSURE PIPE—How installation and maintenance economies can be effected in municipal water systems, sewer force mains and industrial lines is described in a four-page, illustrated brochure released by the Orangeburg Manufacturing Company, division of The Flintkote Company. The literature highlights the installation time-saving of the company's Flintite asbestos-cement pressure pipe and Weld-Tite couplings. It also outlines performance features of the product and gives a step-by-step account of the manufacturing process.

HIGHEST GRADE
CHRYSOTILE
ASBESTOS FIBRES

FLINTKOTE®



Using modern mining methods in our fully integrated plant at Thetford Mines, Quebec, Flintkote produces the finest custom engineered chrysotile asbestos fibres for your discriminating requirements. Always at your service to give you technical assistance, and prompt delivery.

Address inquiries to:

IN U.S. —
The Flintkote Company
480 Central Avenue
East Rutherford, New Jersey

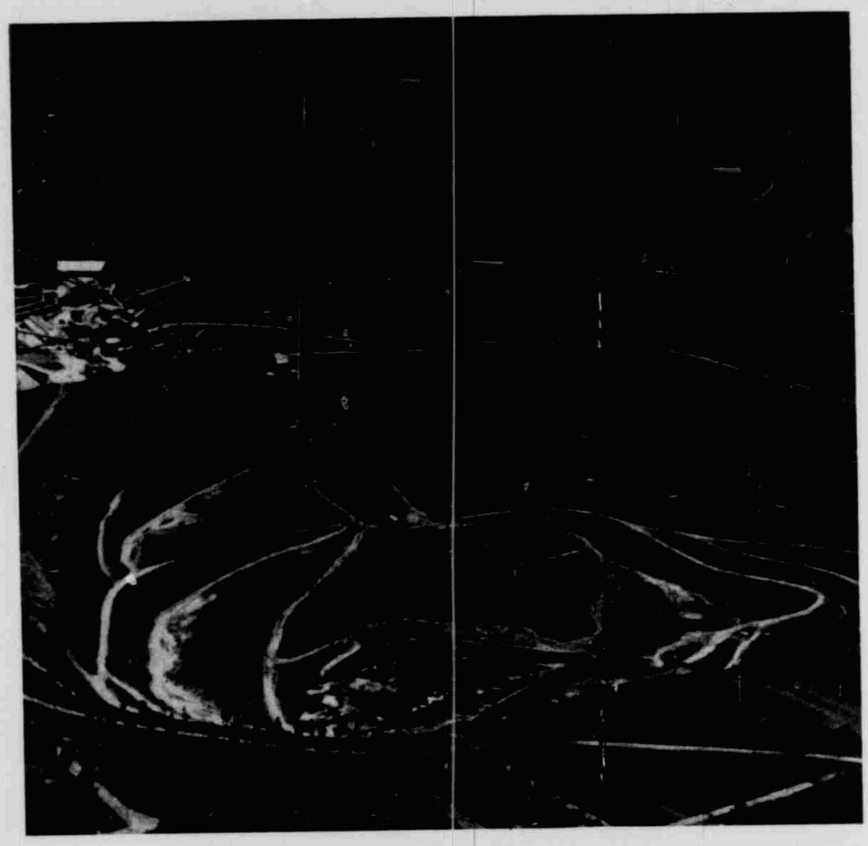
IN CANADA —
Flintkote Mines Ltd.
Thetford Mines
Province of Quebec

The Flintkote Company of Canada Ltd.
30th St., Longbranch
Toronto, Ontario

IN ENGLAND —
The Flintkote Company Ltd.
Adam House, 1 Fitzroy Square
London W-1, England

Manufacturer Of
DIVERSIFIED PRODUCTS FOR HOME AND INDUSTRY

Published by AsbestosClaims.Law
asbestosclaims.law/library/12582/14



Odds are 90 to 1 J-M mills an asbestos grade to meet your needs.

We concentrate on one thing at the Jeffrey mine in Asbestos, Quebec: mining asbestos ore.

Next door, at our ultra-modern mill, it's a different story.

There, we go in 90 different directions. We produce asbestos fiber in 90 different grades.

Each is rigidly controlled. "Agreed to" specifications are always met. Today's shipments always duplicate yesterday's.

If need be, J-M asbestos fiber specialists can go in another 90 directions. To solve your most demanding asbestos needs.

To get them started, talk with your J-M special representative. Or contact us directly.

Canadian Johns-Manville Co., Ltd., Box 1500, Asbestos, P.Q.

Johns-Manville Asbestos Fiber Sales, Research and Engineering Center, Manville, New Jersey, U.S.A.

JM

Johns-Manville

No dust problem.
No moisture damage.
No loss through sifting.
No spoilage by contamination.
No storage problems—
indoors or outdoors.
Not to mention
30% less tare weight.



And talk about tough! We've successfully test-dropped 100 lb. bales of asbestos fibre, packed in MILPAC bags, six times each from 13½ feet!

Now that you've stopped to think about it, why isn't all asbestos shipped in heat-sealed MILPAC Polythene Shipping Bags? Why don't you specify that yours is?

If you're intrigued by the idea, we'd be happy to tell you more about it. Just contact: Canadian Industries Limited, Plastics, P.O. Box 10, Montreal, Quebec.

C-I-L Plastics
CANADIAN INDUSTRIES LIMITED

NEEDLED FELTS

FOR

ASBESTOS CEMENT

PRODUCTS

SIDING
SHEETS
PIPES
ASBESTOS PAPER
MILLBOARD

Balanced synthetic contents

WORLD'S FIRST MANUFACTURER
OF NEEDLED
FELTS

Greater durability — Uniform quality — Rapid delivery

DRYCOR FELT COMPANY
STAFFORDVILLE, CONNECTICUT, U.S.A.

Published by AsbestosClaims.Law
asbestosclaims.law/library/12582/16

PRODUCTION

Canada—According to the Dominion Bureau of Statistics, Ottawa, production of asbestos in Canada during JUNE 1965 amounted to 121,988 tons compared to 121,191 in June 1964. Total for the first six months of 1965 was 565,088 compared to 597,688 for the same period in 1964.

Republic of South Africa—The Department of Mines has issued its Quarterly Information Circular containing the following statistics on asbestos: 1ST QUARTER 1965—Production totalled 56,930 short tons (Amosite—18,734, Chrysotile—10,240, Cape Blue—25,769, Transvaal Blue—2,187, Tremolite—none).

Rhodesia—The Ministry of Mines and Lands, Salisbury, has issued the following statistics on asbestos for JULY 1965: Production 14,269.42 short tons, valued at £695,920.10.08.

Shabanie Mine—Work has begun on a major shaft deepening contract at the Birthday Shaft of Shabanie Mine, in Southern Rhodesia, for the Rhodesian and General Asbestos Corporation. The contract, valued at about £35[illegible]000, is scheduled for completion by September 1966 and w...s awarded to Cementation Company (Rhodesia) Limited. This is the second asbestos mine shaft currently being sunk by Cementation for the Rhodesian company .

Merit Oil/Australia—Results from independent tests run on Australian asbestos properties in New South Wales of Merit Oil Limited, Toronto, Canada, indicate an ore potential in excess of 18.4-million tons and the company has started the second stage of development through its wholly-owned subsidiary, Woodsreef Asbestos Company Limited. Merit, through Woodsreef, has a 50 per cent interest in the Barraba properties and a 100 per cent interest in Copmanhurst. Merit management has decided to concentrate all of its efforts into one potentially profitable enterprise. The most satisfactory aspect of the year occurred recently with the comprehensive tests carried out on the Barraba drill core. At Copmanhurst, Merit has been granted a government authority to enter on 14,365 acres and has a prospecting program under way. Applications to the Mining Warden are pending on an additional 17,682 acres.

ARIZONA ASBESTOS

Mined and Milled by

JAQUAYS MINING 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/12582/17

IMPORTS & EXPORTS

Imports Into U.S.A.

(Published by Bureau of the Census) — APRIL 1965

Unmanufactured Asbestos:	Short Tons
Amosite, Crude, Republic of South Africa	1,651
Crocidolite (Blue), Crude, Rep. of South Africa	1,694
Other Countries	10
Chrysotile, Crude, Canada	3
Republic of South Africa	342
Zambia, Southern Rohdesia & Malawi	976
Chrysotile Spinning Fibers, Canada	1,273
Mozambique	30
Zambia, Southern Rhodesia & Malawi	75
Chrysotile, Other, Canada	56,886
Zambia, Southern Rhodesia & Malawi	177
Other Countries	33
Asbestos, Other, Canada	2,806
Finland	143
Other Countries	5
	66,104

Valued at $6,572,548

Manufactured Asbestos Goods:	Pounds	Value
A-C Pipes, Tubes & Fittings	6,919,091	$343,765
Asbestos-Cement Articles, Other	2,302,166	177,129
Asbestos Yarn, Sliver, Rope, etc. & Other	--	99,351
		$620,245

MAY 1965

Unmanufactured Asbestos:	Short Tons
Amosite, Crude, Republic of South Africa	1,854
Crocidolite (Blue), Crude, Australia	115
Republic of South Africa	2,037
Chrysotile, Crude, Canada	1
Yugoslavia	551
Zambia, Southern Rhodesia & Malawi	742
Chrysotile Spinning Fibres, Canada	1,170
Chrysotile, Other, Canada	44,652
Republic of South Africa	400
Zambia, Southern Rhodesia & Malawi	1,969
Asbestos, Other, Canada	2,445
Finland	199
United Kingdom	17
Zambia, Southern Rhodesia & Malawi	50

SCAPA DRYERS LTD

. . . the world's largest exporters of felts for paper-machines . . . now offer the widest range of

FELTS

for all types of

ASBESTOS CEMENT PRODUCTS

- Synthetic Content
- 100% Nylon
- Needled Batt-on-Base
- Needle Reinforced

Your enquiries are invited

SCAPA DRYERS LTD
BLACKBURN ENGLAND
WAYCROSS, Ga., U.S.A. JOLIETTE, P.Q., CANADA

Published by AsbestosClaims.Law
asbestosclaims.law/library/12582/18

Other Countries		3
		56,205

Valued at $5,476,271

Manufactured Asbestos Goods:	Pounds	Value
A-C Pipes, Tubes & Fittings	4,408,660	$236,741
Asbestos-Cement Articles, Other	1,843,255	188,313
Asbestos Yarn, Sliver, Rope, etc. & Other	..	137,222
		$562,276

Exports From U.S.A.

(Figures by Bureau of the Census) APRIL 1965

Unmanufactured Asbestos: Short Tons

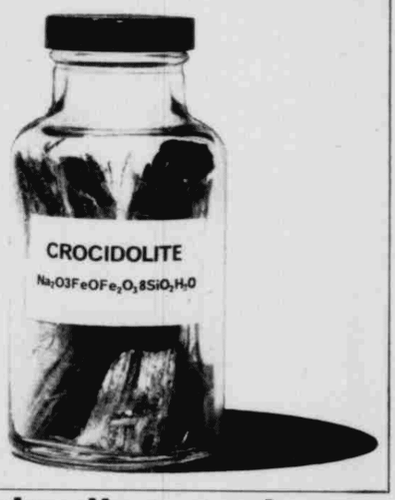
Crude & Spinning		Non-Spinning Fibers		Waste & Refuse	
Canada	20	India	200	Belgium	33
France	18	Japan	1,136	Canada	24
Italy	75	Mexico	3	Japan	1,237
Japan	10	Netherlands	62	Mexico	9
Mexico	112	Viet-nam	165	U. Kingdom	6
W. Germany	9	W. Germany	27	Viet-nam	165
Other Ctys.	5	Other Ctys.	27	W. Germany	52
				Other Ctys.	13
	249		1,620		1,539

Total Unmanufactured Asbestos..3,408 Valued at $402,228

Manufactured Asbestos Goods:	Net Qty	Value
A-C Shingles & Clapboard ..... Lb.	1,873,733	$ 163,993
Other A-C or Fiber-Cement Items .. Lb.	883,244	123,916
Asbestos Gaskets & Packing ..... Lb.	253,657	280,770
Asbestos Textiles & Yarns ..... Lb.	158,548	86,082
Asb Mfrs. other than Friction Matls.	..	462,655
Asb Clutch Facings incl. Linings .... No.	190,152	164,344
Asbestos Brake Linings ..... Lb.	521,184	403,814
		$1,785,574

BURGDORF K.G.
Importer of Raw Asbestos
P. O. Box 29, BREMEN, GERMANY

Raw and processed amphibole from the



world's leading producers

* Principal producers of blue asbestos since 1893
* Strongest of all natural fibres
* Fast filtering
* Outstanding acid resistance
* Full technical advisory service available

Cape Asbestos Fibres Limited
114 Park Street, London, W.1 Tel: GRO 6022
(A member of the Cape Asbestos Group of Companies)
TW1477

Published by AsbestosClaims.Law
asbestosclaims.law/library/12582/19

Exports From Canada

(Published by Dominion Bureau of Statistics)

MAY 1965

Unmanufactured Asbestos:

Short Tons

	Crude	Milled	Shorts
United States	6	14,399	36,291
United Kingdom	..	4,684	4,094
South America	..	2,577	753
Central America & Mexico	..	1,108	105
Europe	2	16,678	9,103
Japan	10	1,051	915
Other Countries	..	4,876	1,267
	18	45,373	52,528

Total Unmanufactured Asbestos—97,919 Valued at—$11,653,097

Manufactured Asbestos Goods:

Asbestos Brake Linings & Facings	$ 63,272
Asbestos-Cement Building Materials	44,417
Asbestos Basic Products, Other	63,702
	$ 171,391

JUNE 1965

Unmanufactured Asbestos:

Short Tons

	Crude	Milled	Shorts
United States	..	15,048	37,201
United Kingdom	..	4,677	4,687
South America	..	2,399	443
Central America & Mexico	..	2,279	168
Europe	1	21,014	9,624
Japan	4	1,267	2,936
Other Countries	..	7,665	2,737
	5	54,349	57,796

Total Unmanufactured Asbestos—112,150 Valued at—$13,478,865

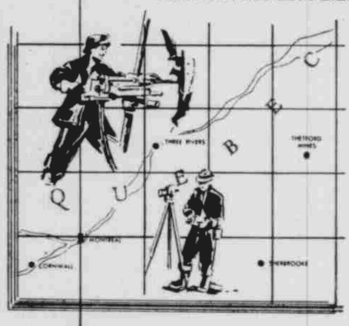
Manufactured Asbestos Goods:

Asbestos Brake Linings & Facings	$ 70,200
Asbestos-Cement Building Materials	171,424
Asbestos Basic Products, Other	67,356
	$308,980

Asbestos Cement Pipes Limited, Dublin, Ireland, now has its factory at Greenhills, Drogheda, in full production, manufacturing "TURNALL" asbestos cement pipes for sewerage and drainage. These pipes take the place of the traditional short concrete sewer pipe.

LYNN, MACLEOD

ENGINEERING SUPPLIES, LIMITED



ASBESTOS MILLING EQUIPMENT

DESIGNERS MANUFACTURERS & DISTRIBUTORS

METALLURGY DIVISION FOR STEEL CASTINGS

PRESSURE PACKERS
PACKOMATIC BALE SEALER
FLEXOVEYOR BAG FLATTENER
ROTEX SCREENERS
AIR SEPARATORS
ROCK FIBERIZERS
SYNTRON VIBRATORY FEEDERS
RAYMOND WHIZZERS
SCALES & MAGNETS
FANS & FILTERS
CHECK WEIGHERS
CYCLONES
ROTARY VALVES
ASPIRATION PIPING
PRECOMPRESSORS
MULTI-STAGE FIBERIZERS
FIBRE GRINDERS
QUEBEC STANDARD TESTING MACHINES
CONVEYING EQUIPMENT

Lynn, Macleod Engineering Supplies, Ltd.

MINING AND ENGINEERING REQUIREMENTS

THETFORD MINES, QUEBEC, CANADA

BRANCHES

THREE RIVERS • MONTREAL • SHERBROOKE • VICTORIAVILLE
SEPT-ILES • OTTAWA • CORNWALL • KINGSTON

Exports From Republic of South Africa

(Quarterly Information Report—Dept. of Mines) 1ST QUARTER 1965

	Short Tons	Value
Amosite	14,165	R1,366,573
Chrysotile	6,130	416,569
Cape Blue	19,351	2,475,281
Transvaal Blue	3,210	381,065
Tremolite	..	..
	42,856	R4,639,488

Cape Insulation and Asbestos Products Limited has announced the formation of the Reinforced Plastics Division. This division will promote the development and sale of asbestos in all forms for plastics reinforcement. The range of products will be marketed under the trade name NORAMITE and production will be at the company's Barking factory. Noramite reinforcement has achieved outstanding success in the United States through development by the sister company, North American Asbestos Corporation. The Reinforced Plastics Division of CIAP will now be responsible for the promotion and development of these products for the rest of the world outside the North American continent. **D. Garland** has been appointed General Manager of the new division.

United States Rubber Company will expand production of Asbeston asbestos fabric at it Hogansville, Georgia, plant. The expansion will increase production capabilities by about 30 per cent and the addition is expected to be completed by April 1966. Asbeston fabric, tape and yarn are used in laundry and dry cleaning covers, insulation jacketing, safety clothing, gloves, plastic laminates, dryer felts, electrical insulation, ironing board covers and military products.

Cable Address "Fraruggles" Telephone Whitehall 3-9387

ASBESTOS FIBRES

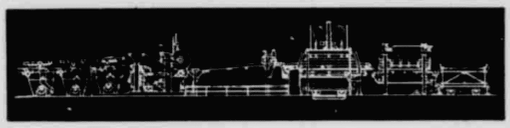
ASBESTOS WASTE

Frank G. Ruggles Co. Inc.

19 RECTOR STREET NEW YORK 6, NEW YORK

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/12582/21

LOCKPORT
Quality
FELTS

The Mark of Quality on the NEWEST in FELTS for the Asbestos Cement Industry

LOCKPORT FELT COMPANY, Inc.
Serving the Papermakers Since 1891
NEWFANE, N. Y. STARKVILLE, MISS.

In Canada:
Lockport-Warwick Felts, Ltd. — Warwick, Quebec
Lockport Pacific, Ltd. — North Vancouver, B. C.

RIDGES



and numberless
Asbestos-Cement
articles are now...
automatically manufactured by *machinery* and plants based on the
ELASTIC AND UNIFORM HIGH PRESSURE process

Sole producers in the world
ISPRA
PADERNO DUGNANO
MILANO (Italy)

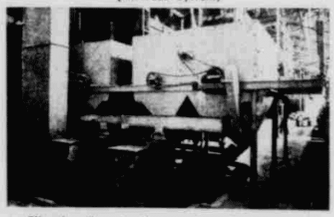
Homogeneous structure.
Most uniform and highest density.
Best water proofness.
High mechanical resistance as well as elasticity and ruggedness.
Minimum of breakage in transport and service.
High frost resistance.
All characteristics never reached until now.
Our information department ready for you.

INDUSTRY NEWS

HAPPY BIRTHDAY

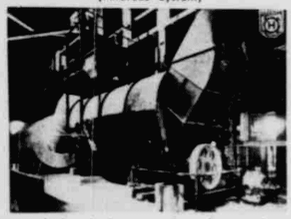
Joseph N. Kuzmick, Vice President & Director, Raybestos-Manhattan, Inc., Passaic, New Jersey, October 15.
David E. Kelley, President, Kelley Asbestos Products Company, Kansas City, Missouri, October 16.
William F. Reed, President & Treasurer, Asbestos Distributors, Inc., Port Chester, New York, October 17.
Charles T. Limerick, Vice President—Manufacturing, The Ruberoid Co., New York City, October 18.
Charles P. Miller, Treasurer, Scandura, Inc., Charlotte, North Carolina, October 20.
James C. Murphy, Vice President—Sales, Floor Tile Division, The Ruberoid Co., New York City, October 23.
Francis E. Dutcher, Vice President for Building Products Division, Johns-Manville Corporation, New York City, October 24.
Harry E. Humphreys, Jr., Director, United States Rubber Company, New York City, October 24.
Henry B. Hutten, Vice President—Sales, Industrial Products Division, The Ruberoid Co., New York City, October 25.
Richard W. Henry, Director of Sales, Industrial Products, The Ruberoid Co., New York City, October 27.
H. C. Morton, Vice President—Friction Division, The Russell Mfg. Co., Middletown, Connecticut, October 28.
Walter R. Foote, Vice President—Manufacturing, Floor Tile Division, The Ruberoid Co., New York City, October 30.
Kenneth T. Dawes, Vice President, Asbestos Corporation Limited, Thetford Mines, Canada, November 2.
Clark A. Bailey, Vice President & General Sales Manager, Johns-Manville Corporation, New York City, November 3.
Antoinette Ozurovich, Secretary-Treasurer, Atlantic Asbestos Corporation, New York City, November 3.
Ernest S. Sprinkmann, President, Sprinkmann Sons Corporation, Milwaukee, Wisconsin, November 3.
Charles B. Purcell, President, Western Asbestos Company, San Francisco, California, November 4.
William P. Barry, Assistant Secretary Smith & Kanzler Company, Linden, New Jersey, November 5.
Dirk Salomons, Director, Asbestcementindustrie—"Asbestona" N.V. Amersfoort, Holland, November 5.
C. W. Hanslip, Chairman & President, Standco Industries, Inc., Houston, Texas, November 8
Dr. Richard Gaze, Director, The Cape Asbestos Company Limited, London, England, November 9
Willis G. Sullivan, Secretary, Asbestos & Magnesia Materials Company, Chicago, Illinois, November 12.

For the beneficiation of asbestos ore,
Modern HAZEMAG Impact Crushers
(Andreas System)



• Fiber-length protective opening of ore and crude.
• Opening of pressed asbestos.

Modern HAZEMAG Rapid-Dryers
(Andreas System)



for drying pre-crushed asbestos-ores of various moisture-contents with fibre-selecting effect.

HAZEMAG mbH., Münster/Germany, P.O.B. 576
Our New York Office:
HAZEMAG USA Inc., New York 17/N.Y.
122 East 42nd Street
Canada: Joy Manufacturing Company Ltd.
75 Beverly Street, Galt, Ontario
USA: Joy Manufacturing Company
333 Oliver Building, Pittsburgh 22, Pennsylvania
Australia: Noyes Bros. Pty. Ltd.
P.O.B. 1587, G.P.O. Sydney
South Africa: Industrial Machinery Supplies Pty. Ltd.
P.O.B. 9653, Johannesburg

Don L. Hinmon, Vice President for Industrial Divisions, Johns-Manville Corporation, New York City, November 14.
Karl V. Lindell, Chairman, Canadian Johns-Manville Company Limited, Asbestos, Quebec, Canada, November 14.

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

National Gypsum Company has announced the promotions of **Mace T. Coleman** to Northern Pacific Division Manager and **James C. Quinly** to District Sales Manager for San Francisco, California. Mr. Coleman will be responsible for all sales districts within the states of Washington, Oregon, Utah, Nevada and Northern California and will report directly to C. Gustavus, Director of Western Sales. Mr. Quinly will be responsible for all sales within the San Francisco sales district which encompasses Northern California, Utah and Nevada and will report directly to Mr. Coleman.

Fred R. Griffin has been named Southern Regional Sales Manager of **National Gypsum Company's** new Southern Sales Region headquartered in Atlanta, Georgia. The new regional office will have the sales responsibility for the firm's Southeast, Southern and Capital (Washington, D.C.) sales divisions. At the same time, the company announced the promotions of **E. Parker Cumings** to Capital Sales Division Manager and **Frank Phillips** as Southern Sales Division Manager.

James E. Lafferty, Jr. has been named a Purchasing Agent and will be responsible for supervising a newly-formed group within the purchasing department of **National Gypsum Company.** This new group will have the responsibility for purchasing all production steel, multi-wall bags and other packaging materials.

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.

DO YOU WANT TO **IMPROVE PRODUCTION** AND **LOWER FELT COST** ?

TRY AN ALL SYNTHETIC

GESCHMAY FELT

CONVENTIONAL OR NEEDLED

LEADING MILLS ALL OVER THE WORLD USE IT

Wuerttembergische Filztuchfabrik
D. Geschmay GmbH
7320 Goeppingen
P.O. Box 460
West Germany



Published by AsbestosClaims.Law
asbestosclaims.law/library/12582/24

Herbert A. Hirschfeld, President of **Standard Asbestos Company,** New York City, died on September 9th. 1965. He will be greatly missed by his many friends and associates.

Canadian J-M—Karl V. Lindell, Chairman of the Board and General Manager of the Asbestos Fibre Division, has announced the appointment of **Yvan Couture** as Director of Public Relations of Canadian Johns-Manville Company Limited. Mr. Couture is a former newspaperman with more than ten years experience in that field.

Cassiar Asbestos—The following appointments have been announced by J. D. Christian, President and General Manager of Cassiar Asbestos Corporation Limited. **J. G. Berry,** Manager of Operations, with headquarters in Toronto, will be responsible for the operations at Cassiar Mine, British Columbia, and Clinton Creek Mine, Yukon Territory. **A. C. Begula,** who joined the company as Mill Superintendent, is now General Superintendent of Cassiar Mine. **F. P. Hodgson,** General Superintendent of the Clinton Creek Mine, will reside in Cassiar until the new mine is brought into production early in 1968. **E. K. McArthur** is Manager of Territorial Supply Company and the Transport Division operating out of Whitehorse, Yukon Territory, and the Asbestos Wharf in North Vancouver, British Columbia.

Exporters of

RAW ASBESTOS

ALL GRADES—ALL TYPES

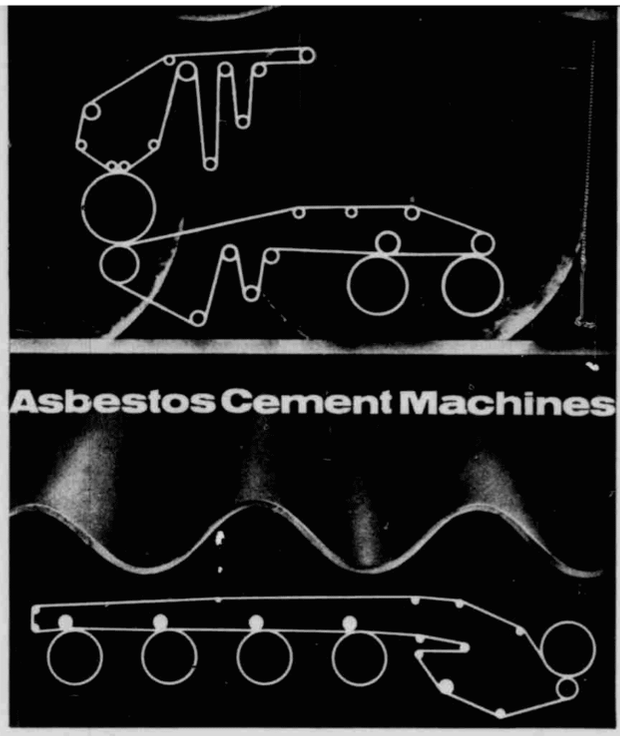
C. J. PETROW & COMPANY (PTY.) LTD.

P. O. BOX 11000

RAND CENTRAL — 165 JEPPE STREET

JOHANNESBURG - SOUTH AFRICA

OFFICES ALSO IN: TOKYO (JAPAN) AND BULAWAYO (SO. RHODESIA)



Asbestos Cement Machines

J.M.Voith A.G. have been expert for decades in building a wide range of machinery for the asbestos cement production.

Let us know your problems - our staff will be glad to find the appropriate solution.

J.M.VOITH A.G. - AUSTRIA

ST.POELTEN, P.O.B.168 TEL.2501 TELEX 01 510

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 January 1, 1965) Canadian Currency

Group No. 1 (Crude No. 1)	$ ..	$1,410.00
Group No. 2 (Crude No. 2, Run of the Mine Crude, Sundry Crudes)	640.00 to	875.00
Group No. 3 (Spinning Fibre)	345.00 to	565.00
Group No. 4 (Shingle Fibre)	190.00 to	320.00
Group No. 5 (Paper Fibre)	115.00 to	156.00
Group No. 6 (Waste, Stucco or Plaster)	..	95.00
Group No. 7 (Refuse or Shorts)	40.00 to	80.00

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

(As of January 1, 1965) Canadian Currency

AAA grade (non-ferrous spinning fibre)	$ 787.00
AA grade (non-ferrous spinning fibre)	625.00
A grade (non-ferrous spinning—Canadian Group 3)	470.00
AC grade (asbestos cement—Canadian Group 4)	325.00
AD grade (asbestos-cement—Canadian Group 4)	260.00
AK grade (shingle fibre—Canadian Group 4)	220.00
AS grade (shingle fibre—Canadian Group 4)	181.00
AX grade (shingle fibre—Canadian Group 5)	160.00
AY grade (shingle fibre—Canadian Group 5)	120.00

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

(As of January 10, 1965) U. S. Dollars

Group No. 3 (Spinning & Filtering)	$ 319.00 to	$ 370.00
Group No. 4 (Shingle Fibre)	176.00 to	296.00
Group No. 5 (Paper Fibre)	121.00 to	144.00
Group No. 6 (Waste, Stucco or Plaster)	.. to	88.00
Group No. 7 (Shorts & Floats)	40.50 to	75.00

asbestos

chrysotile, crocidolite and amosite fibres
from Africa and Canada

We sell asbestos fibres for:

- asbestos-cement
- asbestos textiles
- brake and clutch linings
- insulation and fire protection
- reinforced plastics
- jointings
- filtration
- asbestos paper and millboard
- floor tiles

Turners Asbestos Fibres Ltd

Faulkner House · Faulkner Street · Manchester 1 · England
Cables: Vulbeston, Mancheste Telephone: Central 0334 Telex: 66560
A Turner & Newall company

TN3/16

Published by AsbestosClaims.Law
asbestosclaims.law/library/12582/26

The Flintkote Company—James D. Moran, Vice President for Building Products, announced the appointment of **Monte C. Carpenter** as General Manager of the Flintkote Division. Mr. Carpenter's responsibilities cover all aspects of the manufacture and marketing of this division's broad line of building and construction products in the 37 eastern states. He will make his headquarters in the East Rutherford, New Jersey offices of the Flintkote Division.

John E. Wright, sales engineer in the Indiana-central Illinois territory, has been promoted to Product Manager, Flintite Direct Sales, a new position created by the **Orangeburg Manufacturing Company,** Division of The Flintkote Company. The new position was created **to meet the demand** of expanded production and sales effort. Mr. Wright will headquarter in the company's Orangeburg, New York, office.

Turner Brothers Asbestos Limited, Rochdale, England, (a Turner & Newall Company) has recently appointed **E. B. Gates** to the position of Asbestos Sales Manager (Home). In his new capacity, Mr. Gates will be responsible for the Home Sales of the company's extensive range of asbestos textile, asbestos millboard, packings and jointings, and P.T.F.E. products.

SURVEYER, NENNIGER & CHÊNEVERT

COMPLETE CONSULTING ENGINEERING SERVICES FOR THE ASBESTOS INDUSTRY

COMPLETED: MILL No. 5
JOHNS-MANVILLE, ASBESTOS, P.Q.

COMPLETED: ADVOCATE MINES,
BAIE VERTE, NEWFOUNDLAND

UNDER CONSTRUCTION:
ASBESTOS HILL PROJECT,
UNGAVA, P.Q.

1440 St. Catherine Street West, Montreal, Canada
Telephone 868-1731
Cable Address: SUNECHE Montreal



LAGGING IN FRONT

This is B.B.A. Asbestos Fibre-Filled Rope Lagging for Steam Pipe Insulation, one of many of asbestos products, from yarn and rovings to cloth, tapes and jointings of all types and the world-famous MINTEX friction materials made by B.B.A. In production, as in research, we are in the front of our field. To all intents and purposes, B.B.A. *is* Asbestos.

BRITISH BELTING & ASBESTOS LTD
CLECKHEATON, YORKSHIRE, ENGLAND

Published by AsbestosClaims.Law
asbestosclaims.law/library/12582/27

WOVEN AND NEEDLED

ASBESTOS CEMENT

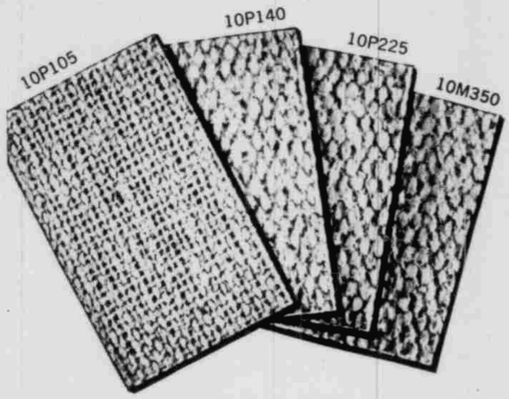
SHINGLE, PIPE AND

CORRUGATING FELTS

NORDISKAFILT

NORDISKA MASKINFILT AKTIEBOLAGET
HALMSTAD • SWEDEN

Look to R/M to weave the cloth that cuts the cost of insulating shipboard and steamplant piping

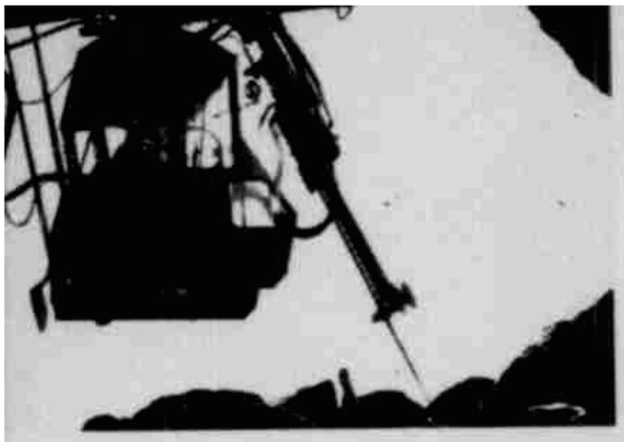


- High tensile strength
- Excellent ravel resistance
- SRC finish requires only 1 coat of paint
- Conform to Federal Specification SS-C-466e.

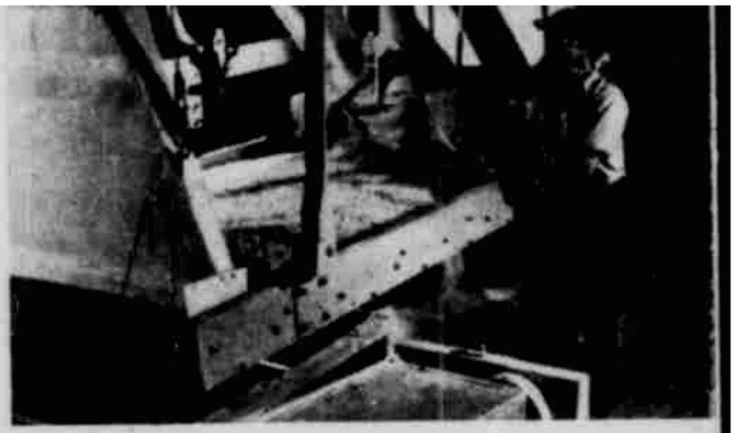
Write for samples and full information.

RM

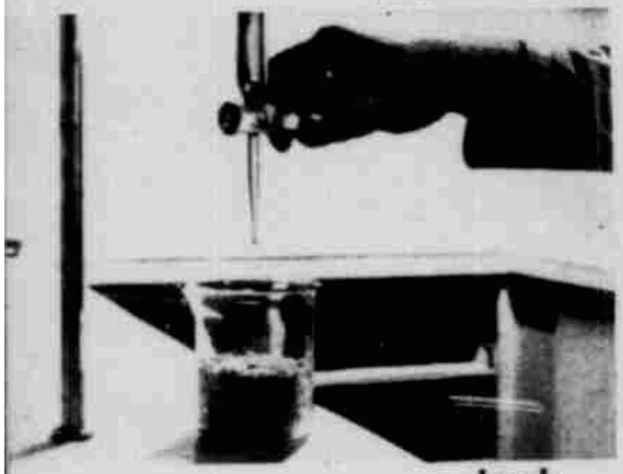
ASBESTOS TEXTILE DIVISION
RAYBESTOS-MANHATTAN, INC.
Manheim, Pa.
SPECIALISTS IN ASBESTOS, RUBBER, ENGINEERED PLASTICS, SINTERED METAL



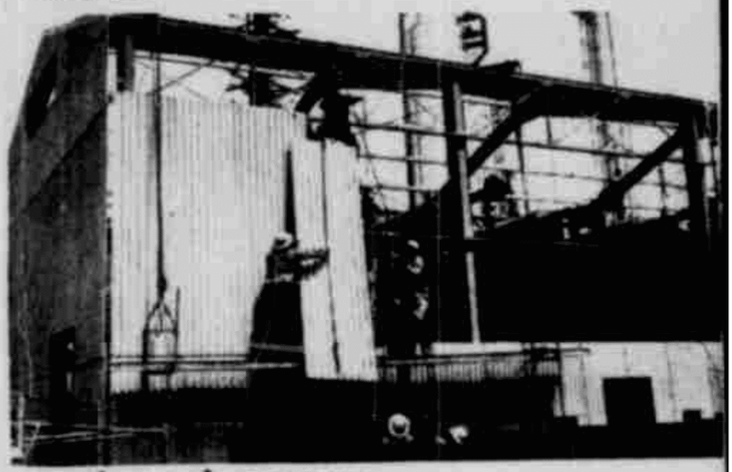
We mine...



mill...



test...



and produce our own asbestos products

That's *quality control!*

Ruberoid operates a completely integrated asbestos operation. So we can control quality all the way from the mine to the finished product. When our asbestos corrugated siding, for instance, finally makes it to the construction site, it's been through the mill in more ways than one. We've given it test after test at each stage to assure that it's top notch.

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

Need assured quality in asbestos? Call or write Ruberoid.

RUBEROID®

ASBESTOS FIBRE DIVISION
733 Third Avenue, New York, N. Y. 10017

Export distribution handled by:
Columbian Carbon International, Inc., 380 Madison Ave., New York, N. Y. 10017