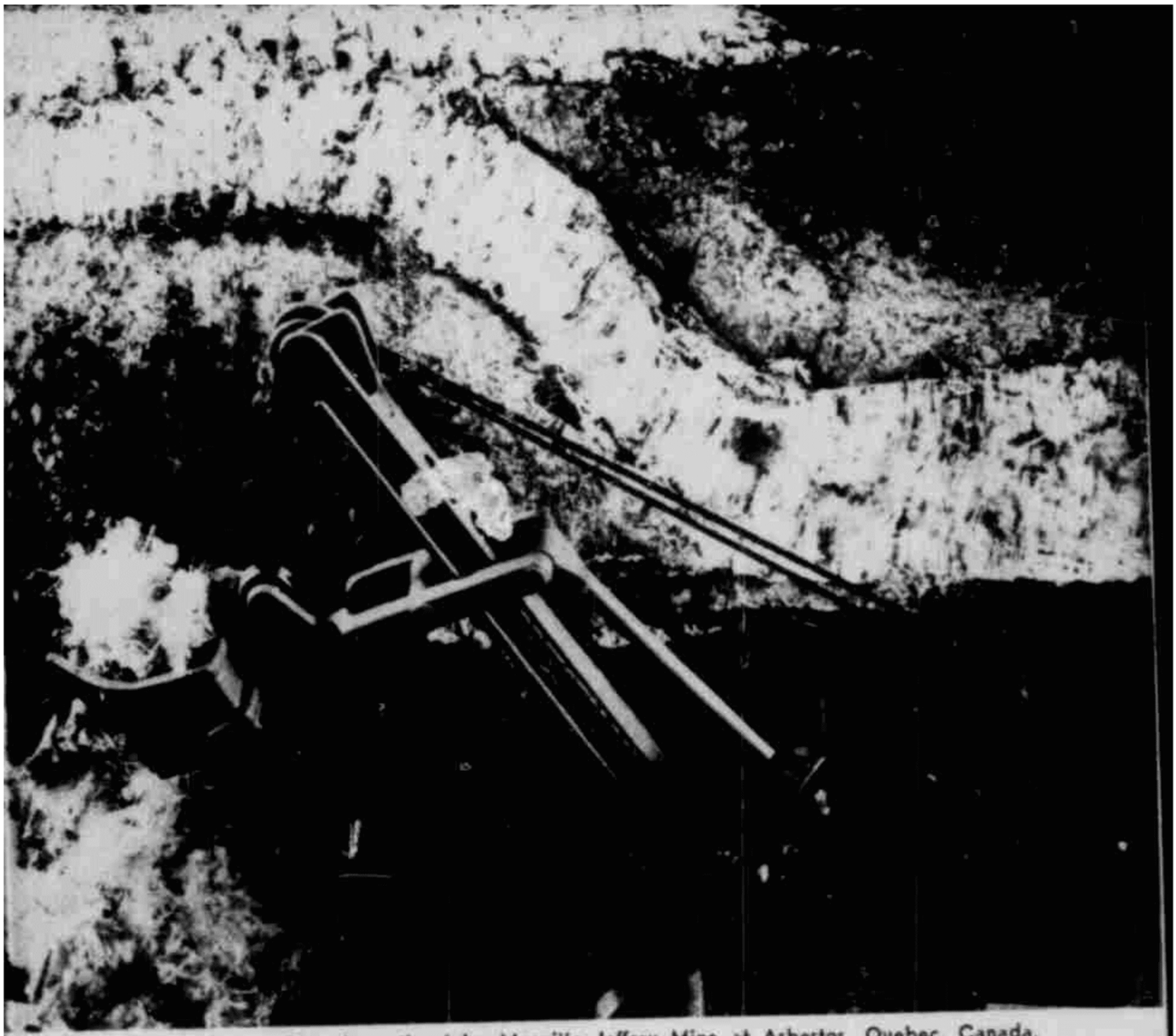


Chrysotile asbestos fiber from the Johns-Manville Jeffrey Mine at Asbestos, Quebec, Canada.

ASBESTOS

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JANUARY 1968

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ASBESTOS

VOLUME 49 JANUARY 1968 NUMBER 7

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GREETINGS TO THE ASBESTOS INDUSTRY

Asbestos Corporation Limited
W. W. Oughtred, President

I am grateful for the opportunity to be able, through the medium of ASBESTOS, to convey to our many friends in the asbestos industry this Company's best wishes for the Holiday Season and for the year ahead.

In many ways 1967 has been a good year for the Canadian asbestos mining industry although economic conditions in certain areas have prevented us from realizing our full potential.

We look forward in 1968 to continuing our program of improved service to asbestos consumers throughout the world. During the year just passed, circumstances beyond our Company's control have forced a postponement of the development of our Asbestos Hill Project in Ungava, but existing ore reserves and improved productive capacity in our existing operations, are more than sufficient to look after the growing needs of the asbestos industry for many years to come.

In the face of ever changing economic factors it is difficult to forecast the outlook for 1968 although we feel confident that it will be at least as good as 1967.

BBA Group Limited
Sir William Fenton, Chairman

In spite of some difficulties, sales of asbestos-based products were satisfactory. Our new asbestos yarn plant at West Auckland, a development area in the North of England, is progressing well.

We are pleased to see the formation of the Asbestos Information Committee in London and the useful service it provides. The problems concerning the removal of asbestos dust are receiving a considerable amount of attention from the industry.

We wish the asbestos industry a Happy and Prosperous New Year.

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

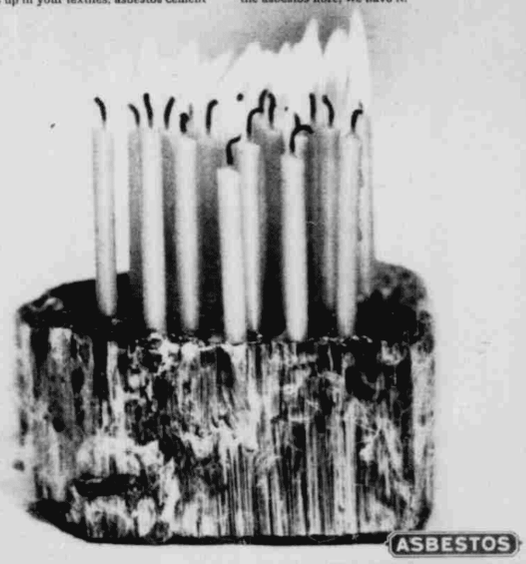
on the strength of our fibre

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

The Cape Asbestos Co. Ltd.
R. H. Dent, Chairman & Managing Director

May I take this opportunity of extending to all our friends in the asbestos industry the best wishes of the Cape Asbestos Company for Christmas and the New Year.

The development of asbestos as a mineral essential to the needs of the modern world continues with improvements in the quality and adaptability of products based upon it, and it still retains its place as the least expensive, strongest and best fibre available for many industrial uses. There is every prospect of its unique properties resulting in a continued increase in demand in future years.

The Flintkote Company
James D. Moran, Executive Vice-President

1967 has been a difficult year for the industries served by the asbestos mining industry. With the drying up of sources of credit, home building has been severely curtailed, purchases of new automobiles greatly reduced and many public projects deferred. Certain foreign markets experienced a recession in business and there were troublesome dock problems in the United Kingdom. However, looking ahead to 1968, we see powerful forces working to produce a strong expansion of business activity. To realize this goal will require our best efforts. We must also exercise a substantial measure of fiscal responsibility to prevent serious excesses in the economy. We look ahead to 1968 with confidence in our industry and faith in its leadership.

To all of our friends in the asbestos industry we extend Best Wishes for a Happy and Prosperous New Year.

General Aniline & Film Corporation
E. J. O'Leary, Senior Vice President—Corporate Marketing

Although the national economy slowed down in 1967 and spiraling costs of wages and raw materials put a squeeze on profits, the general outlook for business in 1968 appears quite encouraging.

In 1967, The Ruberoid Co. made a significant move by becoming a part of General Aniline & Film Corporation. This association has welded for both parties a broader base

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*
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- *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.*

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

in the consumer and industrial fields. Because the building materials industry looks to chemical innovations as the fountainhead for its future growth, GAF's extensive research capabilities will aid substantially in accelerating this growth.

Here at GAF, we are heartened by expert projections that new housing starts, which have shown no appreciable growth since 1963, will be restored to near-normal rates. The biggest gain in housing activities over the years has been attributed to the remodeling and replacement market where we enjoy considerable strength. This coupled with the anticipated rise in new housing gives us an optimistic outlook for our building materials and floor coverings.

To our associates and friends in the industry, we hope that the year ahead will give to them every measure of success, health and happiness.

Johns-Manville Corporation
C. B. Burnett, President

During 1967, world economic conditions brought a temporary pause in the recent steady growth rate enjoyed by the asbestos industry. However, present indications are that a resumption of continued growth can be expected in the coming year.

Johns-Manville's confidence in long-term increasing demand is reflected in expansion programs already underway, as well as in efforts to develop new methods and new products to better serve existing markets and create new markets.

It is appropriate that we pause in this season to greet and extend best wishes to industry friends worldwide. The men and women of Johns-Manville join me in expressing best wishes for continued prosperity in the months ahead.

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 get a very satisfactory return on the investment due to increased costs of labor, materials, taxes and service to customers.

BELL ASBESTOS MINES LTD.
THETFORD MINES, QUE.
CANADA

Producers of
Raw Asbestos Crudes
& Fibres

Sales Representatives
for
Cassiar Asbestos Corporation Limited

A more realistic approach is required to the marketing of ores 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.

National Gypsum Company

Colon Brown, Chairman of the Board & Chief Executive Officer

1967 was another good year for our subsidiary, National Asbestos Mines, Ltd., with sales exceeding our expectations.

The 1967 expansion program at the Thetford Mines was completed in the latter part of the year and its full impact will be felt in 1968. The modifications will not only increase production but will yield better product uniformity as well.

1968 will be another good year for National Asbestos. Due to the versatility of the asbestos fibre we are optimistic about the long range future of the industry.

We take this opportunity to express our wish that 1968 will be a very rewarding year for our customers, agents and many friends in the industry.

Nicolet Industries, Inc.

Philip A. Meyer, Vice President

To ASBESTOS and all our other friends in the asbestos industry, we extend greetings and best wishes for a prosperous 1968.

The asbestos fibre and asbestos products industries have continued to grow and to serve mankind in a multitude of ways in 1967. Our own Company has introduced a new asbestos yarn in the United States and Canada called "Nicolon" which gives promise to new applications, thus adding to existing markets. Furthermore, we have just completed the installation of a new Fourdrinier asbestos paper machine, which will permit manufacture of asbestos papers and felts to meet more exacting product specifications than heretofore, thereby encouraging the use of asbestos papers in markets not attainable before.

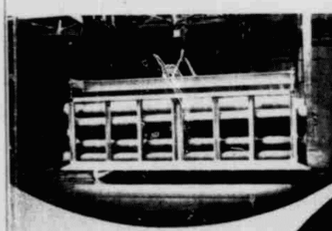
In spite of all the confusion and doubts in the world situation, we at Nicolet feel optimistic for 1968 and are chartering our course accordingly.

AUTOMATIC PLANTS TO MAKE SOCKETED PIPES

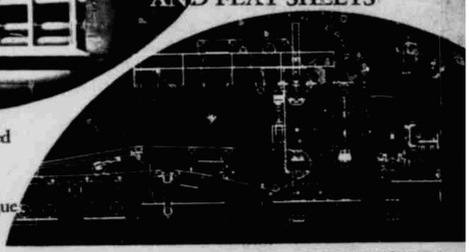


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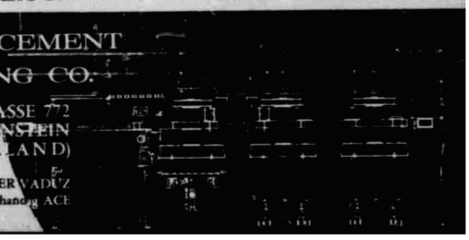


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"Putten's Asbestos" Group of Companies

Jan van der Putten, Chairman

It is with great pleasure that, once again, I accept the invitation of the ASBESTOS journal to send my personal greetings to our many friends in the asbestos industries, all over the world, and to wish them a very happy, prosperous and peaceful New Year.

As forecast in my last year's message, the year 1967 was in fact a very satisfactory one, both in respect of asbestos production and the use of asbestos in conventional and a variety of new applications.

Certain countries, which, during the period 1966-67, went through some slight attack of recession, seem to have fully recovered and economic conditions in those countries have now become more stabilized.

On the other hand, during the same period, a number of other countries suffered from "inflationary" complaints, but from personal general observations during a round-the-world sales trip just completed, the economic atmosphere in those countries has returned to normal. Seen from an overall point of view, commercial and industrial activities are now generally governed by the law of "demand and supply," which creates wholesome competition, a far healthier situation and on the whole to the benefit of all concerned.

The writer feels that, subject to unforeseen circumstances, 1968 will indeed be a prosperous New Year.

Raybestos-Manhattan, Inc.

William S. Simpson, President

The continued growth of the asbestos industry augers well for the future. Sales of asbestos products reached new peaks in certain fields during 1967 and should continue to increase. Opening of the new Clinton Creek mine by Cassiar late in the year has increased asbestos capacity.

We are optimistic for the future, despite the uncertainty of the international situation. We appreciate the support of our suppliers and extend our best wishes to the entire industry for a successful New Year.

Turner & Newall Limited

R. M. Bateman, Chairman

This is my first opportunity as Chairman of Turner & Newall Ltd. to send New Year Greetings to our friends in the asbestos industry. The protective role that asbestos plays in the building, motor and engineering industries assures its future as an indispensable raw material. We would like to thank all our customers, suppliers and friends for their willing and friendly cooperation throughout 1967 and to convey our good wishes to them for a prosperous and successful New Year.

Uniroyal . . .

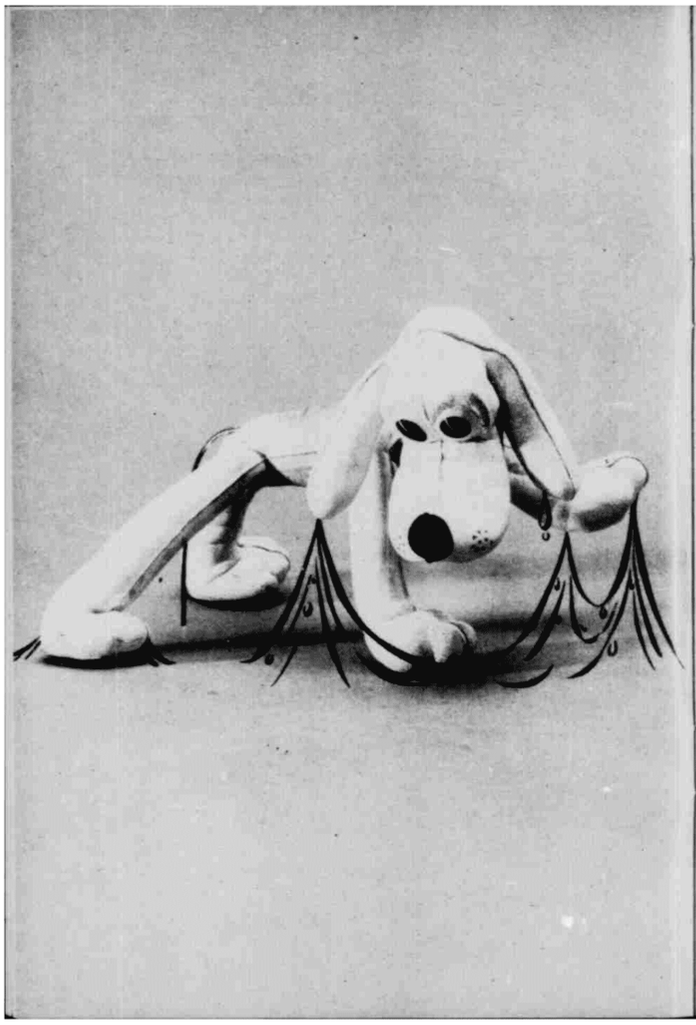
extends its best wishes for a prosperous and productive New Year to all of its friends in the asbestos industry.

Asbestos textile demands in 1967 continued to be strong and are expected to remain so throughout 1968.

Technological advances in the industry have demanded better quality and more specifically designed products of asbestos to meet more rigid requirements for fire protection and high temperature resistance. By meeting these challenges through research, development and aggressive selling, the asbestos industry will be able to capture new markets. Modern plants and equipment coupled with new markets and products will reduce the profit squeeze of rising costs and enable the asbestos industry to move ahead dynamically.

ATI COMMITTEE CHAIRMEN—As announced by ATI President J. L. Rainey (vice president of American Asbestos Textile Corporation) following are the committee chairmen for the Asbestos Textile Institute for the ensuing year: board of governors—J. L. Rainey; sales promotion—M. Q. Scowcroft (assistant sales manager, asbestos textile division, Raybestos-Manhattan); technical—J. W. Hawkins (director, asbestos textile research, asbestos textile division, Raybestos-Manhattan); fibre testing—G. F. A. Brink (Asbestos Corporation Limited); and, air hygiene and manufacturing—H. H. Walter (American Asbestos Textile Corporation).

Asbestos Magazine, 1968, January 1968
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(Members of the Cape Asbestos Group of Companies)

BRAKE SAFETY

(With all the controversy over automotive safety, Raybestos-Manhattan's Grey-Rock Division, a leading manufacturer of brake linings, has issued a brake safety kit containing six fact sheets of accurate technical material on brakes—one of the most vital safety features of a vehicle. Grey-Rock's experts will be glad to elaborate on any of this material or answer questions that might arise, particularly at the time that state or federal safety standards might be imposed on all automobiles sold in the United States.)

(Fact Sheet No. 6—Quotes From Experts On Brakes is published below. This is the final fact sheet of the series. Previous fact sheets published in ASBESTOS covered: brake types; brake lining test failures; lack of uniform brake lining standards; what mechanics should check and repair in inspecting brakes; and, tips on using brakes safely.)

No. 6—Quotes From Experts on Brakes

Quotes from William Tauss
Chief Field Engineer for Grey-Rock:

"Increased speed and weight of modern automobiles put much greater loads on brakes. Doubling the weight doubles the brake load; doubling the speed quadruples the load."

"Be careful of 'secondary fade.' This often occurs with inferior brake linings after they have been worked hard and the lining temperature is high. When brakes are applied a mile or so later, the required pedal pressure to stop may be greater than the driver can exert."

"When a person buys premium grade brake lining, he is paying for insurance he hopes he will never use. But his dividends in extra lining life will usually more than compensate for the additional initial cost."

"Brakes are like good tools. They should be 'used but not abused,' or you may not have them when you need them."

"You can only hope the other fellow's brakes are good. Be sure yours are."

"Good brakes depend upon the skill and knowledge of the mechanic as well as the quality of the lining. Know the product and your mechanic."

Quotes from Lloyd O. Bentz
Friction Materials Development
Engineer for Grey-Rock brake lining:

"To make quality brake lining, you must use quality materials. The most modern equipment and/or the most refined process will be of little value unless the raw materials utilized are the best obtainable."

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"There is no real alternative to a comprehensive road test program to evaluate brake lining quality. The more sophisticated the laboratory equipment and procedures are, however, the more meaningful the data will be."

"It takes logical and persistent formulation programs to keep accurately apprised of all the new technology and materials being made available to the development engineer. These programs must be coordinated with advanced testing facilities to provide products capable of meeting the expanding industrial requirements."

JOHNSON-MARCH CORPORATION has begun production of a new, complete line of high quality filter bags for bag filter collectors. The new line, while encompassing filter bags for Johnson-March collectors, will also include bags to fit collectors made by all other manufacturers. The company is also offering an advisory service to help firms using bag collectors determine the best and most economical type of filter media and construction for their particular application. Besides its new production facilities, Johnson-March has expanded its laboratory facilities to test new materials and maintain quality control of production. The firm's bag filter collectors, scrubbers, and Chem-Jet Dust Suppression systems are applicable to the Asbestos Industry, and its Air Pollution Control Systems have been installed in a number of asbestos mines and processing plants.

NICOLET NO. 411 ASBESTOS UNDERLAYMENT, a protective felt made of Canadian asbestos, is available from *Nicolet Industries, Inc.* The system was developed through the joint efforts of the Red Cedar Shingle and Handsplit Shake Bureau, and Protective Papers, Inc., a division of Nicolet. A six-page brochure containing a test-it-yourself sample and description is available. The swatch sample can be pulled and snapped to test its strength, torn to examine the touch fiberglass strands spaced every quarter inch, soaked to show how it sheds water, and subjected to an intense direct flame to prove it will not ignite.

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.

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Dr. Ehrhardt Andreas—Profile

Ehrhardt Andreas was born on December 20th, 1897, in Aschaffenburg, Germany. In 1932, under difficult economic circumstances, he formed Standard Filterbau-Ges.m.b.H., which today ranks among the internationally recognized companies in the industrial dedusting field, and under similarly difficult conditions, in 1946, formed Messrs. Hazemag m.b.H. Hartzerkleinerungs-und Zementmaschinenbau Ges.m.b.H. Despite his many activities, Dr. Andreas is also active on many European Economic Boards. Among others, he is a Member of the Plenary Assembly of the Chamber of Commerce, and also a member of the board of directors of Verein der Kaufmannschaft for Munster, founded in 1835. On the strength of his personality, he succeeded in setting an example to the members of his staff, and is always ready to help and advise them.

The name "Ehrhardt Andreas" is closely connected with the triumphal march of impact crushing. This is no doubt due to his recognizing, with clear sighted technical and commercial discernment, the exceptionally diversified processing possibilities opened up by impact crushing. With his specialized knowledge coupled with untiring personal application, he has been able to make his firm, Messrs. Hazemag m.b.H., the world's leading manufacturers of impact crushers. Presently, through Hazemag and its Licensees, over 10,000 machines operate in practically every part of the world. Dr. Andreas' work represents an achievement which has led to technical progress in the most varied fields of mining, the metal industry, and in particular, the pit and quarry field. The Faculty for Mining and Metallurgy at the Technical University of Berlin awarded him an honorary Doctorship in 1959 in recognition of his achievements and connected scientific work.

Dr. Andreas, aged 70, still presides over not only Hazemag, but also the sister company, Standard Filterbau-Ges.m.b.H., and a series of subsidiary companies both at home and abroad. However, far from being restricted to the pioneering advance in crushing techniques, his success also covers drying, milling, and refuse processing. He was particularly active in rebuilding the export market after the war, and with an eye to the future has urged on the extension of the organization of his firms abroad.

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Superconcrete Pipes (S.A.) Ltd.

Business is showing a very satisfactory rate of development and just recently, Superconcrete Pipes was granted the mark of the South African Bureau of Standards which places the company's pipes in the very top category of manufacture. Since the specifications of this Bureau are extremely high, Superconcrete is very proud of this achievement.

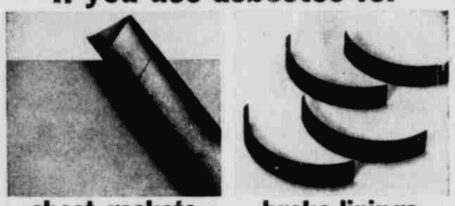
Further, the company intends to develop into all fields where asbestos-cement pressure piping can be used and arrangements have already been made to commence and continue this particular development.

Together with other asbestos pipe manufacturers in South Africa, Superconcrete took part in a very successful Irrigation Symposium which was organized at top level by the Department of Agricultural Technical Services.

Another recent highlight for Superconcrete was a visit by Prime Minister John Vorster to its asbestos-cement factory at Rosslyn, situated in a border industrial area. The purpose of this visit was to see how the area was growing and also to view the development of the program using a considerable number of Bantu personnel to manufacture Superconcrete pipes.

INSTITUTE FOR ASBESTOS INFORMATION (298 Rokeby Road, Subiaco, Western Australia 6008) has negotiated an agreement with *Becker & Haag*, Hamburg, Germany, which will enable IAI to publish an English translation of *Karl Frank's well-known source book on asbestos*. It is envisaged that the publication would be a photo-reprint of an up-dated translation prepared in 1956 by Eduard Lüders. IAI would very much appreciate hearing from anyone who would be interested in subscribing to this English translation, since the demand will determine whether the translation will be published, the method of production, and the ultimate cost to subscribers. IAI feels that this is one of the most important works ever produced on asbestos, and the translation would be a worthwhile addition to the literature.

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.

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Bremen, W. Germany

BELGIUM
Keyser & Mackay
Brussels

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ENGLAND
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Guildfords Expansion

Guildfords Limited, a success story in building and construction materials, is embarking upon its second expansion within three years. Its premises, located in the Commodore Estates industrial park in Dartmouth, Nova Scotia, Canada, will be enlarged from 36,000 square feet to 48,000, at a cost, including equipment, of close to $250,000. This latest expansion will include equipment for rotational casting of all types of plastics into molds and will enable the company to make many additional products. When the expansion is finished, value of the plant will be in the $750,000 range.

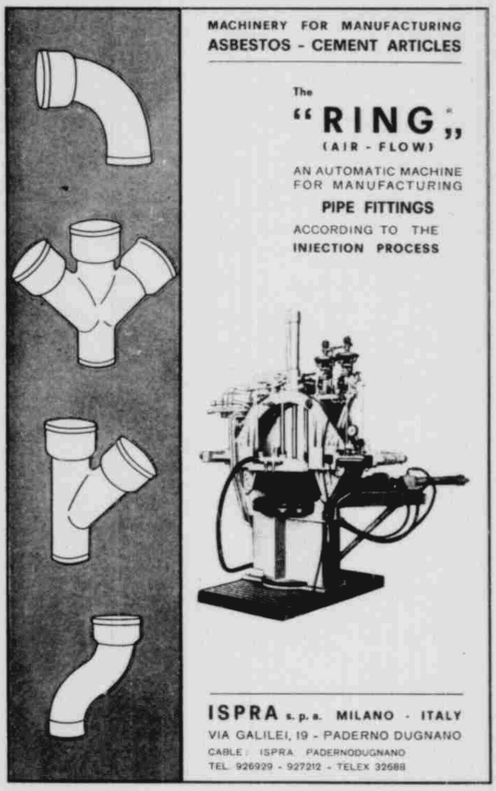
Guildfords is one of the largest purchasers of asbestos products in the Atlantic area of Canada (which includes the provinces of Nova Scotia, New Brunswick, Prince Edward Island, and Newfoundland). The company buys asbestos in sheets, from Atlas Asbestos Company Limited, Montreal, and fabricates them into various building and insulation materials. A substantial part of the facilities involved in the current expansion will be used for the manufacture of asbestos panels.

In addition to its own production, Guildfords is distributor for several nationally and internationally-known companies. Materials used by Guildfords include fiberglas, foamglas, asbestos, urethane, etc. Output includes insulation materials for such purposes as roofing, perimeter walls, partitions and panels; and acoustic materials and pipe coverings. The company also molds and fabricates buoys, tanks, pipe, truck panels and work boats.

Besides the Dartmouth plant, Guildfords has branch offices and warehouses in Sydney, Nova Scotia; St. John's, Newfoundland; and, Saint John and Moncton in New Brunswick. Plant and warehouse areas total about 150,000 square feet.

Guildfords was founded in 1906 by R. A. Guildford and his son R. D. Guildford, as a ship's supply and machinery business. In its earlier years, it was a pioneer in ship insulation and in two wars did extensive repair work on merchant and naval vessels.

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Manufacturer of Cloth, Tape, Yarn and Brake Lining
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Automobile Sales

OCTOBER 1967 motor vehicle factory sales from plants in the United States totaled 751,934 (passenger cars—645,402; trucks and buses—106,532). The total for October 1966 was 985,285. The total for the first ten months of 1967 was 7,210,669 compared to 8,425,092 for the same 1966 period.

Motor vehicle factory sales from plants in Canada totaled 73,344 for October 1967 compared to 71,695 in October 1966. The total for the first ten months of 1967 was 748,653 which compares with 710,737 for the same period in 1966.

VIBRA SCREW® INCORPORATED has developed and patented a unique vibrator design which assures positive and continuous movement of dry materials from any storage bin. The *Vibra Screw gyrator* provides the force needed to vibrate the custom engineered bin bottom which is flexibly attached to the storage structure. The device has made it possible to successfully handle every kind of powder, pellet, flake and agglomerate in a continuous, uninterrupted stream for a minimum of 10,000 consecutive hours without lubrication or maintenance. It is a patented mechanism which creates vibration by means of rapid rotation of an unbalanced weight. The *Vibra Screw Bin Activator* is designed to provide dependable movement of bulk materials out of storage. Its success depends completely on its ability to activate material in the storage bin so that discharge will be in a first-in, first-out continuous stream. The heart of the Bin Activator is the gyrator, since it is assigned the responsibility of inducing vibration into the baffle and hopper section of the Bin Activator. The company has been working with an asbestos concern on the discharging of asbestos from bulk storage. It now has units operating beneath 10 and 25 ton capacity bins and shortly will have units operating beneath 50 ton capacity bins.

Vibra Screw Incorporated is the new name of the former *Vibra Screw Feeders, Inc.* This name change reflects the growing activities of the company in areas of process materials handling other than feeding. The patented vibrating screw feeders from which the firm took its original name will continue to be a major part of the product line.

asbestos

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PAUL E. WILLIAMS, former Philadelphia district sales manager, pipe division, *Certain-teed Products Corporation*, passed away at his home in Ambler, Pennsylvania, on December 2, 1967. Mr. Williams was prominent in the activities of Certain-teed's pipe division for many years. In February 1929, he joined *Keasbey & Mattison*, whose asbestos-cement pipe facilities were later purchased by Certain-teed.

ERNST WEDEKIND, confidential clerk of *Deutsche Kap-Asbest-Werke A.G.*, Hamburg-Bergedorf, Germany, died October 7th, 1967. He was born on March 12th, 1914, and joined Deutsche Kap-Asbest-Werke as an apprentice. Mr. Wedekind learned asbestos processing and sales from the very basis and rose to an outstanding expert in the Asbestos Industry. In 1950 he became confidential clerk and was entrusted with the entire technical management, with the administrative work of the personnel department and the factory, as well as social functions. It was also the duties of his profession to cooperate in the Vereinigung Hamburger Kautschuk-, Asbest- und Kunststoffverarbeiter e.V.

RUBEROID NOTES—The Ruberoid Co., division of General Aniline & Film Corporation, is conducting a multi-million-dollar construction program aimed at increasing plant capacities and production line flexibility at its facilities in New Jersey, Pennsylvania, New York and Texas. Production of floor tile at the division's Houston, Texas, plant will increase more than 25% during the next few weeks with the completion of a project involving the widening of the production line. A similar project was completed last January at Vails Gate, New York.

TRIO ENGINEERING COMPANY, Beirut, Lebanon, are now doing semi-finishing on most of their products and expect to be manufacturing a large part of their products by October 1968. Trio Engineering are distributors of friction materials in the automotive field and suppliers of insulations, packings, and frictions in the industrial field. Their territory covers the Near and Middle East.

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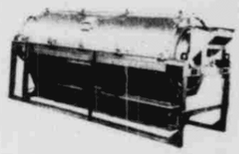
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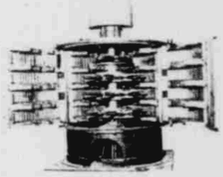
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- Air Separators
- Motorized Floor Sweepers
- Bucket, Man Lift & Freight Elevators
- Rotary Aspirators
- Mechanical Separators
- Rotary Dryers
- Fibre Fluffers
- Quebec Standard Testing Machines
- Screens
- Pressure Packers
- Screw Graders
- Fibre Samplers
- Automatic Motor Bases



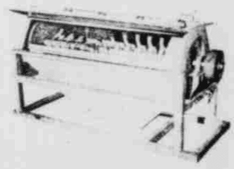
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Building

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

NOVEMBER 1967 contract values for future construction totaled $4,257,824,000 and topped November 1966 figures by 23%. The past few months have been the busiest on record for the initiation of new construction work. During the first six months, cumulative construction contract values were lagging 5% behind the first half of 1966; but by the end of the second six months, contract values were expected to show a gain of about 5%.

Nonresidential building—Across the board increases in all major categories lifted November's contract total 11% above the 1966 value to $1,585,502,000. Contracts for several large office buildings and manufacturing plants gave the recently-sluggish industrial/commercial building market a 6% boost. However, most of the gain came from institutional building as both school and hospital contracts rose sharply.

Residential building contracts (up by 60%) continued to reflect the great change that has been taking place in housing activity. The total of $1,716,645,000 showed large gains in both single-family and apartment projects. Non-housekeeping residential building contracts were up 22%.

Nonbuilding construction, valued at $955,677,000, was 1% less than November 1966. Sizeable declines were registered during the month in sewer and water facilities and utilities projects. Street and highway contracts advanced 3%, and a $40-million contract for construction of a Minuteman Missile site in the Northwest was an important factor in the total of nonbuilding construction jobs.

FIRST ELEVEN MONTHS OF 1967: Nonresidential $18,616,615,000 up 3%; Residential $18,156,441,000 up 7%; and, Nonbuilding $12,203,889,000 up 2%—total construction $48,976,945,000, up 4% from the first 11 months of 1966.

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Gold Bond ASBESTOS FIBRES

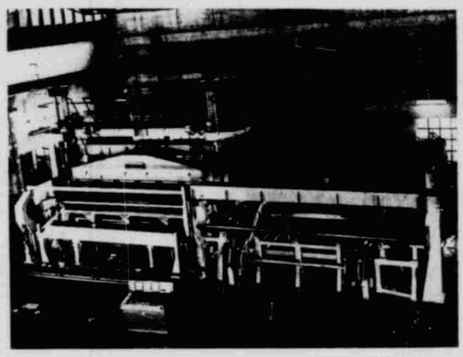
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ASBESTOS-CEMENT PIPE, usually thought about in terms of underground applications, has been successfully used as a *radar and communication antenna tower*, according to a structural engineer with the Radio Corporation of America. A tower 160 feet high was required, with an estimated maximum horizontal pull of 8,000 pounds at the level of the top guy. In the search for a suitable construction material for the antenna support towers, the following factors were considered: high compressive strength; sufficient bending strength; non-interference with the electrical performance of the antenna; uniformity of the material and its cross section; resistance to normal environmental conditions; and, reasonable cost. Asbestos-cement pressure pipes were evaluated and finally chosen for the job. A pole constructed of asbestos-cement pipe sections is structurally sound and cost competitive when used as a guyed tower. Standard lengths and diameters of asbestos-cement pipe can be used for this purpose. The pole can be climbed by means of foot spikes inslated on the pipe. Erection of the pole can be accomplished from a platform 10 feet above ground level thus eliminating the climbing associated with normal tower erection. (AC/M June-July 1967)

ASTM NOTES—Meeting of Committee D-13 on textile materials, Barbizon-Plaza, New York City, March 5th through 8th, 1968 . . . meeting of Committee D-14 on adhesives, Sheraton-Lincoln, Houston, Texas, March 20th through 22nd, 1968 . . . method of test for thermal conductivity of materials by means of the heart flow meter, C518-67 ($1.00) . . . methods of fire tests of building construction and materials, E119-67 ($1.00) . . . Committee F-6 on resilient floor coverings organized October 27th, 1967, under the chairmanship of Mr. Thomas Boone of the National Bureau of Standards; those interested in attending the first technical meeting of the new committee at ASTM headquarters, in February 1968, should contact Mr. Bryn Hammarstrom, Sandura Division, Ruberoid, Fullerton, Pennsylvania . . . ASTM definitions of terms relating to thermal insulating materials, C168-67, revision ($1.00) . . . 1967 ASTM Proceedings, Volume 67, 558 pages, official record of the proceedings of the Society for 1967 ($7.25, if prepaid).

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MARKET CONDITIONS

General Business.

There are some signs, many of them in improvements in recognized indices of business conditions, that definite improvement in general business is taking place, although at nowhere near a rate that would suggest the start of a real boom after the long sidewise movement of the year just ended. The avoidance of a work stoppage at General Motors is a definitely favorable development. However, the international monetary situation, unprecedentedly high interest rates and the paradox of extremely low unemployment accompanied by a utilization of productive plant capacity of something less than 85 percent, all contribute to an understandable state of confusion on the part of many corporation executives as to which way the ball will bounce next and what measures to take to be ready for the rebound. The general opinion of economists and business leaders is that business will improve during 1968 but any number of unpredictable developments, both national and international, could knock these predictions into a cocked hat.

Asbestos—Raw Material.

Quebec asbestos fibre shipments for the Industry during November 1967 totalled 157,187 tons, a reduction of 6,075 tons or approximately 4% from the same period last year.

Year to date shipments, at 1,153,733 tons, are running 72,788 tons or approximately 6% lower than those of 1966.

Asbestos—Manufactured Goods.

Asbestos Textiles: During the last quarter of 1967 the demand for asbestos textiles remained brisk, maintaining the high volume of activity experienced by the entire industry throughout the year, and this has carried over into the new year. The war in Viet-nam has undoubtedly been a strong factor in the high demand for asbestos textiles in the past year, both in respect to Government requirements and heavy industry uses, and from present indications the war will continue to have a significant effect in the immediate future.

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Asbestos Brake Lining: The market for replacement brake lining is surprisingly active for this time of the year and this high volume should continue strong well into 1968. Demand for replacement disc brakes is on the increase and the original equipment market should double in volume of demand in 1968. There are indications that price increases on brake linings are to be expected.

Asbestos Paper & Millboard: Following a slow-down in the second and third quarters of 1967, there was a noticeable pick-up in demand during the last three months of the year. This condition should remain during the coming months.

Asbestos Felt: Demand for this material remains steady and strong but pricing is weak. The outlook for the future is good.

Corrugated: This market continues to be approximately 8 to 10% below the amount of activity this time last year and little change is expected in the immediate future.

Flat: For the year 1967, volume of sales for flat sheets under ½" in thickness is expected to be about 5% below that of 1966. However, sales of heavy asbestos panels to school equipment manufacturers continue at a good rate.

High Pressure Insulation: The market demand for this material continues to be good, although competitive, and this condition should continue for at least the next six months.

Asbestos-Cement Shingles, Roofing & Siding: Business has been brisk for the last couple of months for both roofing and siding. However, a drastic cut-back is anticipated as the winter weather arrives. Prospects for 1968 depend greatly on construction activity which will be dictated by government policy on mortgage money.

Asbestos-Cement Pipes: During 1967, construction activity in Public Works markets creating demand for pipe has been about the same as in 1966. There appears to be ample capacity to supply present needs in both water and sewer pipe. This creates very aggressive competitive action in fighting for business available. Although there possibly might be a slight increase in volume of demand, 1968 is expected to

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be pretty much the same as 1966 and 1967. Tight money appears to be looming on the horizon, and this would deter a strong comeback in housing construction which is a major stimulus for water and sewer pipe.

Asbestos Filter Fiber: Demand for Arizona filter fiber is steadily increasing and is being fulfilled by mills in Gila County, Arizona. A continuation of this steady increase is expected and mills will certainly have record production rates for 1968. There are presently three mills operating in Gila County, Globe, Arizona: Metate Asbestos Corporation; Asbestos Manufacturing Company; and, Jaquays Mining Corporation.

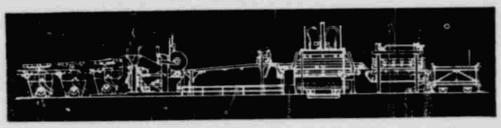
The above comments have been made by various informed executives in the industry. All comments are welcome.

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SPEEDLAG, a registered trade name, is an improved pre-pasted *asbestos lagging cloth* for thermal insulation of pipes, flanges, turbines and similar applications in ships and steam plants. Announced by the Asbestos Textile Division of *Raybestos-Manhattan, Inc.*, this improved cloth includes a "quick tack" feature to make it easier to put in position around pipes. It may be wetted by submerging in water before wrapping it into position. It will then withstand vibration, shock and rough usage and the pre-pasting eliminates customarily messy gluing operations.

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ITEMS ON ASBESTOS listed in the November-December 1967 edition of the Asbestos Bulletin: Characteristics of Anthophyllite Asbestos Occurrences in Ukraine; Anthophyllite Asbestos Deposits in Mugodzhary; Mineralization Associated with Serpentine in the Najac Region, Aveyron; Characteristic Mineralogical Features of Asbestos from Kwaichei Deposits and, The Dressing of Crude Asbestos Fibre in the Asbestos-Cement Industry (in Slovakian, English summary).

ASBESTOS is covered very comprehensively in a group of articles which appeared in the November 28th, 1967, edition of The Times, London. The titles of the various articles are: the unquenchable mineral; industry with dramatic export prospects; fire protection on land and sea; moves to meet the challenge of dust; from artificial tiles to office blocks; the vestal ladies with the lamps; now insulation is sprayed; and, cars depend on it.

RUSSIAN BOOK ON ASBESTOS — "Mestorozhdeniya Khrizotil-Asbesta SSSR" (Chrysotile Asbestos Deposits, of the USSR) is a detailed record of all known chrysotile deposits in the USSR, with supplementary sections on the mineralogy, genesis, and petrography of chrysotile, and on asbestos mining in the Bazhenovo area. The book is edited by P. M. Tatarinov and V. R. Artemov, published by Nedra, Moscow, 1967, contains 512 pages and many maps, and is available from the *IAI Bookshop Service* (Institute for Asbestos Information).

PLANT ENGINEERING & MAINTENANCE show and conference will be held at Convention Hall, Philadelphia, Pennsylvania, March 25th through 28th, 1968. The twin events cover problems met in virtually every industrial organization. Visitors not only attend formal lectures and informal roundtables, but also have an opportunity to see one of the country's largest annual industrial expositions.

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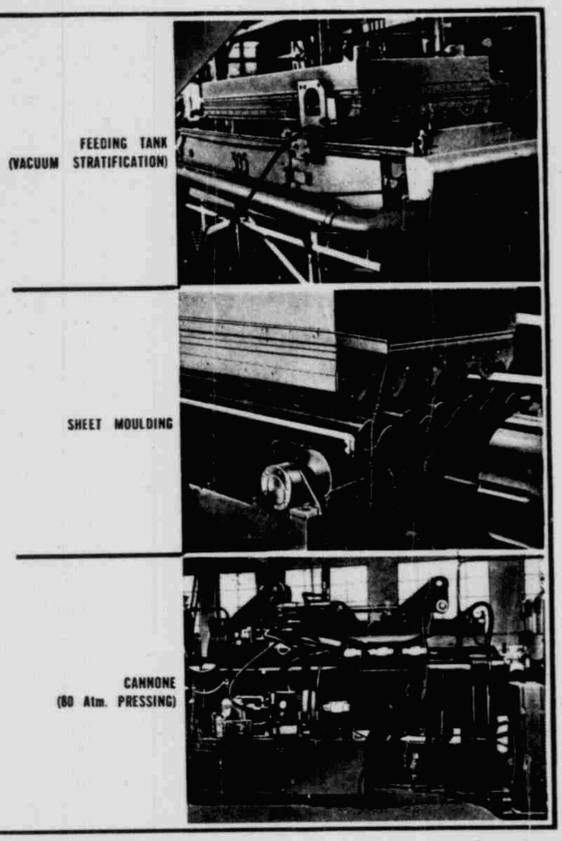
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PRODUCTION

Canada—AUGUST 1967 asbestos production amounted to 133,293 tons (Quebec—109,541; Newfoundland, Ontario, and British Columbia—23,752). This compares with the August 1966 total of 164,470. (Dominion Bureau of Statistics, Ottawa)

Canada—SEPTEMBER 1967 asbestos production amounted to 123,438 tons (Quebec—115,175; Newfoundland, Ontario, and British Columbia—8,263). This compares with the September 1966 total of 117,555. Total for the first nine months of 1967 is 996,840 tons compared to 1,065,074 for the same period in 1966. (Dominion Bureau of Statistics, Ottawa).

Canada—OCTOBER 1967 asbestos production amounted to 133,286 tons (Quebec—114,483; Newfoundland, Ontario, and British Columbia—18,803). This compares with the October 1966 total of 121,338. (Dominion Bureau of Statistics, Ottawa)

South Africa—*SECOND QUARTER 1967 production of asbestos* totalled 71,644 short tons: Amosite—25,333; Cape Blue—34,352; Chrysotile—10,061; and, Transvaal Blue—1,898. (Department of Mines, Johannesburg)

Yugoslavia—Production of asbestos ore during 1965 was estimated at 230,724 metric tons in 1965 which compared with 264,780 in 1964. The total for asbestos fiber production in 1965 reached 9,603 in 1965 (estimate) against 8,419 in 1964. Exports of asbestos fiber and flour were 4,352 in 1964 (mostly to the United States) and imports of asbestos were 15,573 metric tons (mostly USSR, United States and Rhodesia) in 1964. (The Mineral Industry of Yugoslavia—1965 U.S. Bureau of Mines Yearbook).

„ *Tropag* "

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IMPORTS & EXPORTS

Imports Into U.S.A.

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

Short Tons

	SEPTEMBER 1967	OCTOBER 1967
Unmanufactured Asbestos:		
Amosite, Crude, South Africa	1,315	1,104
Crocidolite (Blue), Crude, South Africa	1,485	1,162
Chrysotile, Crude, Canada	6,722	56
Finland	55	
South Africa	110	
Chrysotile, Spinning Fibers, Canada	1,033	1,138
South Africa	5	
Chrysotile, Other, Canada	41,818	47,433
Portugal	15	
Rhodesia	35	2,536
South Africa		600
Asbestos, Other, Canada	3,943	2,257
Finland	275	345
United Kingdom	30	
	56,841	56,641

September 1967 valued at: $5,972,238
October 1967 valued at: $5,509,188

Manufactured Asbestos Goods:		SEPTEMBER 1967	
Asbestos Yarn, Slivers, etc.	Lb	95,477	$ 67,454
A-C Pipes, Tubes & Fittings	Lb	5,163,367	227,796
Asbestos-Cement Articles, Other	Lb	900,832	118,347
Asbestos Articles, Other			117,094
			$ 530,691

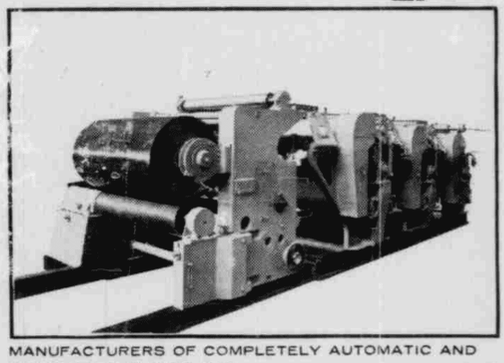
		OCTOBER 1967	
Asbestos Yarn, Slivers, etc.	Lb	214,126	$ 92,454
A-C Pipes, Tubes & Fittings	Lb	5,525,669	277,473
Asbestos-Cement Articles, Other	Lb	1,362,272	184,265
Asbestos Articles, Other			178,956
			$ 733,148

Swaziland—According to Standard Bank Review, R697,000 (preliminary) worth of cement, bricks and asbestos products were imported during 1966 compared to R825,000 in 1965, and 36,100 short tons of raw asbestos, valued at R5,793,500, were exported during 1965 which compares with the 1966 preliminary figure valued at R4,986,800.

ASP/HAC/1/9

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PLANT MANUFACTURING DIVISION HYDERABAD-18 INDIA

Exports From U.S.A.

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

			AUGUST 1967	
Unmanufactured Asbestos:				
Crude & Spinning Fibers	s.tons	75	$	12,272
Non-Spinning Fibers	s.tons	3,058		514,455
Waste & Refuse	s.tons	2,249		198,683
		5,382	$	725,410
Manufactured Asbestos Goods:				
A-C Shingles & Clapboard	Lb	1,607,049	$	171,567
Other A-C Articles	Lb	1,943,076		183,223
Gaskets & Packing	Lb	327,797		421,251
Textiles & Yarns	Lb	408,755		131,865
Mfrs. other than Friction Materials				277,604
Clutch Facings, including Linings	No	296,484		226,410
Brake Linings for automotive use	Lb	518,434		329,707
Brake Linings, Other	Lb	119,815		114,849
				$1,856,476

			SEPTEMBER 1967	
Unmanufactured Asbestos:				
Crude & Spinning Fibers	s.tons	49	$	15,980
Non-Spinning Fibers	s.tons	2,365		404,208
Waste & Refuse	s.tons	2,231		245,440
		4,645	$	665,628
Manufactured Asbestos Goods:				
A-C Shingles & Clapboard	Lb	2,219,513	$	207,821
Other A-C Articles	Lb	4,131,058		314,814
Gaskets & Packing	Lb	379,346		478,072
Textiles & Yarns	Lb	453,135		168,969
Mfrs. other than Friction Materials				319,124
Clutch Facings, including Linings	No	320,669		263,841
Brake Linings for automotive use	Lb	523,646		317,651
Brake Linings, Other	Lb	205,266		131,541
				$2,201,833

South Africa Exports—SECOND QUARTER 1967 exports of asbestos totalled 61,611 short tons valued at R6,992,400: Amosite—22,621, R2,211,923; Cape Blue—32,187, R4,176,158; Chrysotile—5,239, R389,289; and, Transvaal Blue—1,564, R215,030. (Department of Mines, Johannesburg).



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INDUSTRY NEWS

HAPPY BIRTHDAY

P. C. McCarroll, Superintendent, Durabestos Works, Wunderlich Limited, Rosehill, N.S.W., Australia, January 16.
John K. Whittaker, Vice President—Marketing, Nicolet Industries, Inc., Florham Park, New Jersey, January 18.
Leonard Diener, First Vice President, Smith & Kanzler Company, Linden, New Jersey, January 23.
William A. Schreyer, Treasurer, Baldwin-Ehret-Hill, Inc., Trenton, New Jersey, January 25.
Eric G. Scott, Finance Director, Wunderlich Limited, Sydney, N.S.W., Australia, January 25.
H. G. (Mike) Donovan, Sales Manager (U.S.), Asbestos Fibre Division, Johns-Manville Research & Engineering Center, Manville, New Jersey, January 27.
Herbert S. Hirschfeld, Manager, Standard Asbestos Company, New York City, January 27.
T. I. Read, Director of Research, H. K. Porter Company, Inc., Thermoid Division, Russell Works, Middletown, Connecticut, January 27.
Nelson Bain, President, Asbestos Erectors of Canada Limited, Montreal, Canada, February 1.
William G. Neel, Director, Asbestos Fibre Sales & Trade Relations, The Ruberoid Co., New York City, February 1.
Lt. Col. J. C. Ross, Honorary Director, Asbestos Corporation Limited, Thetford Mines, Canada, February 1.
Clarke E. Wayland, Vice President, Western Asbestos Company, San Francisco, California, February 1.
J. W. Bartlett, Vice President, The Philip Carey Manufacturing Company, Cincinnati, Ohio, February 2.
Mrs. L. H. Saitta, Chairman of the Board, Asbestos Corporation of America, Garwood, New Jersey, February 2.
George F. Ducker, General Manager, General Asbestos & Rubber Division, Raybestos-Manhattan, Inc., North Charleston, South Carolina, February 5.
Joseph P. Flynn, Manager of Public Relations Services, General Aniline & Film Corporation, New York City, February 7.
Ralph L. Bullock, Vice President, Drycor Felt Company, Staffordville, Connecticut, February 8.
Dudley T. Colton, Sr., Vice President, Johns-Manville Corporation, New York City, February 8.
Ronald Henry Dent, Group Chairman & Managing Director, The Cape Asbestos Company Limited, London, England, February 9.
Paul E. Poulin, President, Asbestonos Corporation Limited, St. Lambert, Montreal, Canada, February 9.
Clark H. Harrison, First Vice President, The Clark Asbestos Company, Cleveland, Ohio, February 10.

James D. Moran, Vice President & General Manager, Building Products Group, The Flintkote Company, New York City, February 12.
Herbert L. Levine, President, Asbestos Products Manufacturing Company, Newark, New Jersey, February 13.

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

Merrem and La Porte N.V., Amsterdam, have been appointed by the Reinforced Plastics Division of **Cape Insulation Limited** as sole agents and distributors for the entire range of *Noramite* plastics reinforcement products in Holland and Dutch territories.

Huxley Barter Corporation, subsidiary of *Huxley Development Corporation*, New York City, has been awarded barter contracts involving shipments of approximately 16,000 tons of Canadian Group 4 Chrysotile asbestos fibre to India.

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ASBESTOS STOCK QUOTATIONS

Close—December 29, 1967

Abex	28¾	Glen-Alden	12⅝
Advocate	*$3.00	G-Alden (.70)	13¼
Asarco	73	G-Alden (pfd 3.15)	95½
Armstrong Cork	55	G-Alden (pfd 3)	91⅝
Armst Ck (pfd 3.75)	64	G-Alden (pfd 2.25)	48½
Asbestos Corp.	*$19.50	Gulf & Western	59¼
Bendix	54⅛	G&W (pfd 1.75)	185¼
Bendix (pfd 3)	82½	G&W (pfd 3.50)	235
Cassiar	*$17.00	G&W (pfd 5.75)	74⅝
Certain-teed	15⅝	Johns-Manville	54½
Cert-teed (pfd .90)	17⅞	McAdam Mining	*$.51
Conwest Expl.	*$6.30	National Gypsum	43¼
Fiberboard	36⅞	N-Gypsum (pfd 4.50)	71
Flintkote	24⅛	Patino	*$15.75
F-kote (pfd—A 4.50)	74¼	Porter (pfd 5.50)	79
F-kote (pfd—B 2.25)	34½	Raybestos	61¼
F-kote (4-pfd 4)	61½	Unarco	12⅜
Garlock	21⅝	Union Carbide	49
Gen Anil & Film	22⅝	Uniroyal	49⅜
GAF (pfd 1.20)	30⅜	Uniroyal (pfd 8)	125

*Canadian currency

McAdam Mining Corporation has completed shaft sinking on its asbestos property in Northwestern Quebec's Chibougamau area. The first couple of rounds in a cross-cut toward the south taken from a station at the 175-foot horizon have exposed what is described as "nice-looking asbestos fibre, strong and silky".

Koegas Mine, of Cape Blue Mines (Pty.) Limited, in the northern Cape Province on the Orange River, South Africa, was the world's largest producer of asbestos in 1966. The resue method formerly used in mining asbestos was replaced with a system of channel mining, which was faster and led to less loss of fiber in the fill. **Pomfret Mine**, of the Cape Blue company, began working a new section, the No. 6 mine. (U.S. Mineral Trade Notes)

Daniel Mining Company Limited is drilling an asbestos property on a 36-claim group located in the Timmins area of Semple Township, Ontario, Canada. On the basis of geological, magnetometer, and electromagnetic surveys, two holes were previously drilled at the nose of a folded mass of peridotite, to investigate a conductive zone. In these holes, numerous asbestos fibres were encountered and the second hole averaged approximately 0.26% nickel for 330 feet. Because of this mineralization, particularly asbestos, associated with favorable geological conditions, the current diamond drill program is proposed to determine the dimensions and grade of the asbestos mineralization. (The Northern Miner)

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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. Mine

(As of April 1, 1967) U. S. Dollars

Group No. 3 (Spinning & Filtering)	$ 319.00	to	$ 342.00
Group No. 4 (Shingle Fibre)	183.00	to	296.00
Group No. 5 (Paper Fibre)	129.00	to	153.00
Group No. 6 (Waste, Stucco or Plaster)	..		93.00
Group No. 7 (Shorts & Floats)	40.50	to	78.00

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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.

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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 25, D.C., at a cost of 50 cents each. Remittance should be in coin, currency, or check, and the number(s) of the patent(s), name(s) of inventor(s), and date(s) of issue should be shown.

U.S. Patents issued from November 14th through December 5th, 1967.

3,352,424—Coated Filter Aids, K. W. Guebert & I. C. Jones, Jr. (assigned to The Dow Chemical Company, Midland, Michigan), November 14, 1967.

3,352,696—Method of Manufacturing Puncture Sealing Compositions, T. E. Wallace, November 14, 1967.

3,352,746—Manufacture of Calcium Silicate Insulating Products, S. E. Williams, R. B. Dunbar & J. C. Rademaker (assigned to Johns-Manville Corporation, New York City), November 14, 1967.

3,353,682 — Fluid-Permeable Fibrous Multilayer Material and Process of Making The Same, D. B. Pall & C. A. Keedwell (assigned to Pall Corporation, Glen Cove, New York), November 21, 1967.

3,355,528—Refractory Gunning Mix, G. R. Henry (assigned to Harbison-Walker Refractories Company, Pittsburgh, Pennsylvania), November 28, 1967.

3,356,554—Method of Making A Non-Weeping Reinforced Plastic Pipe of Asbestos Fiber Paper, R. T. Crouch & C. H. Barger (assigned to Johns-Manville Corporation, New York City), December 5, 1967.

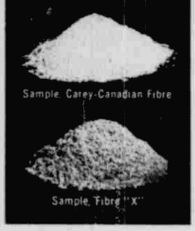
3,356,564—Preparation of Latex Saturated Asbestos Sheet Material Wherein Anti-Precipitating Agent Prevents Premature Coagulation, R. C. Breiner (assigned to Nicolet Industries, Inc., Morris County, New Jersey), December 5, 1967.

3,356,777—Method and Means for Sealing Leaks in Buried Conduits, H. M. Barrett (assigned to Phillips Petroleum Company, a corporation of Delaware), December 5, 1967.

3,356,779—Method of Curing Articles Manufactured From Cement and Asbestos, H. C. Schulze, December 5, 1967.

3,356,781—Method of Transfer Molding, C. J. Sulewski & J. G. Hedin (assigned to Johns-Manville Corporation, New York City), December 5, 1967.

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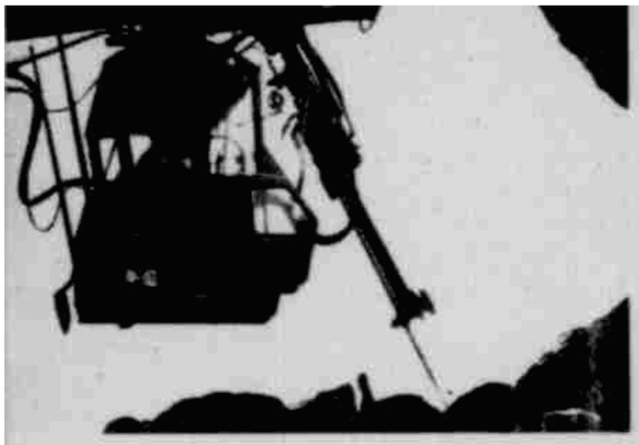
Samples and complete information on Carey-Canadian 7RF-9 floats may be obtained from the warehouse locations listed below or by writing to Carey-Canadian Mines, Ltd., P.O. Box 15070, Lockland, Cincinnati, Ohio 45215, or The Philip Carey Company, Ltd., Ville St. Laurent, Montreal 9, P. Q., Canada

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Cleveland, Ohio	Donald McKay Smith, Inc.
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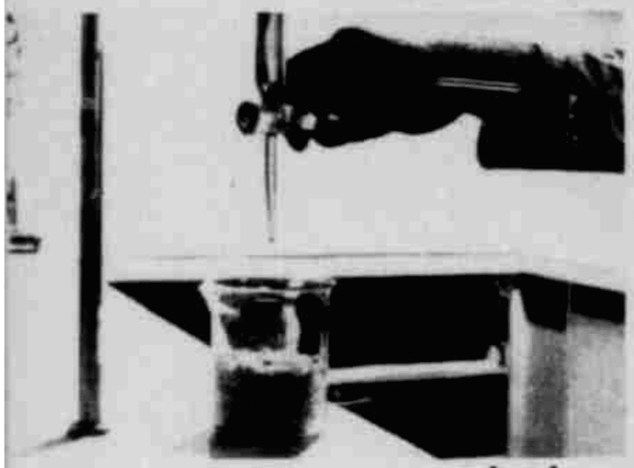
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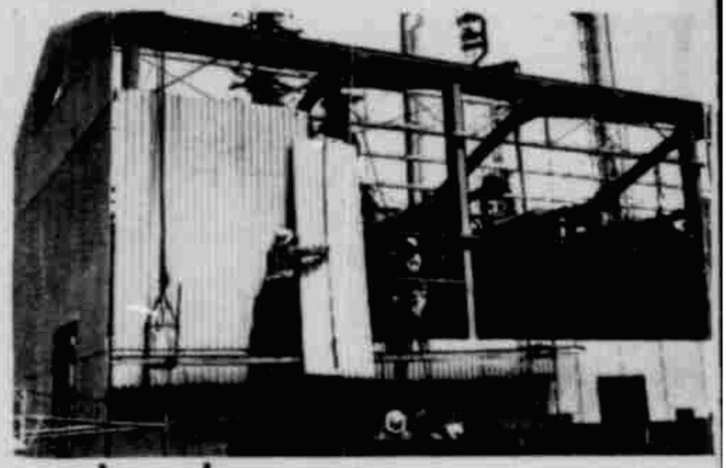
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