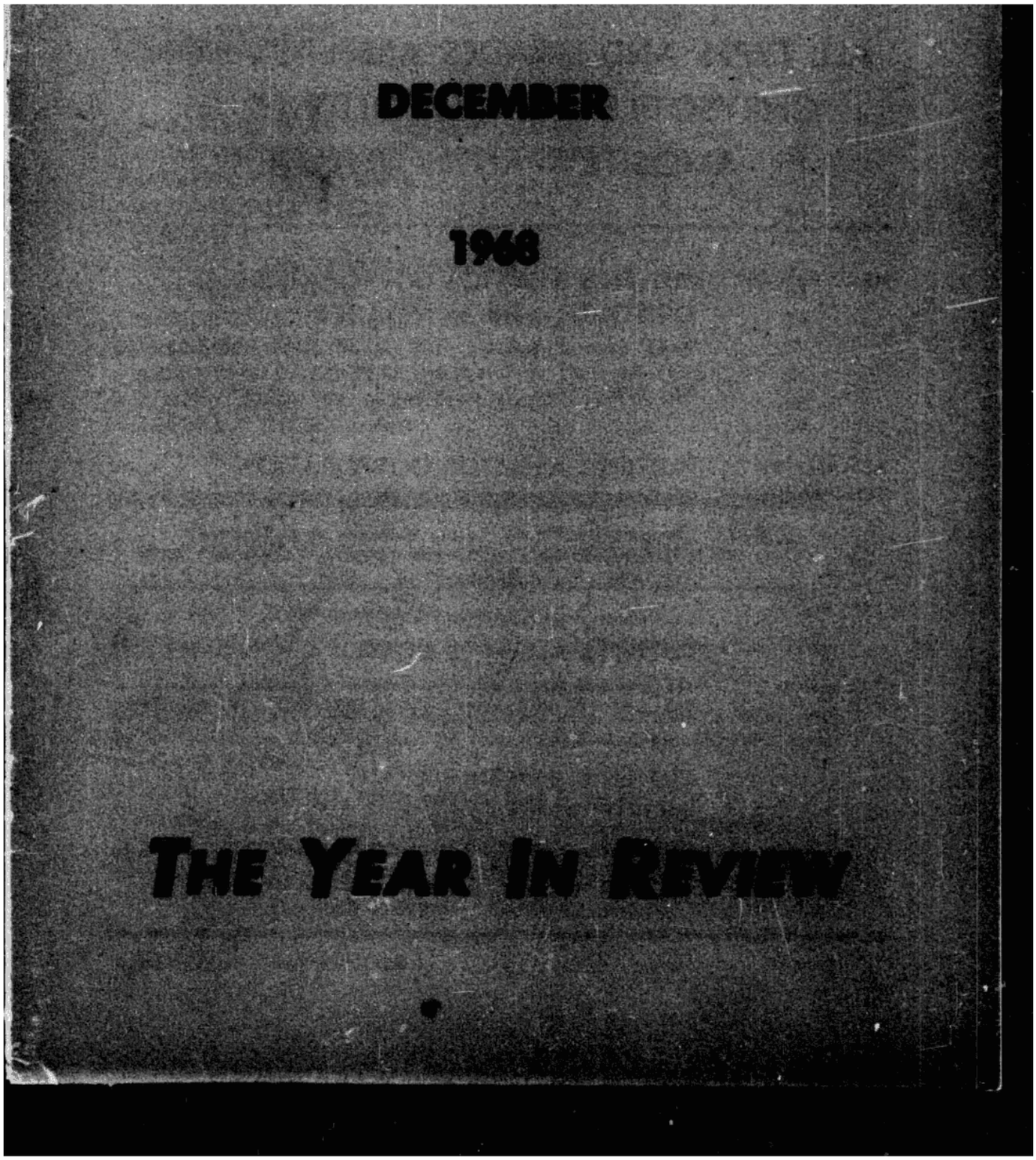


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1968—THE YEAR IN REVIEW

The year 1968, for United States industry in particular, has been "the year of the merger." The activities of the "conglomerates" in making acquisitions of going concerns, many in totally unrelated fields of endeavor, have led many other concerns to carefully examine the advantages of merging with, or acquiring, companies which will either add to sales volume in present product lines, increase the breadth of such product lines, or offer diversification into fields completely alien to those of the original company. It is only logical, then, that many of the major happenings in the Asbestos Industry during the past year have involved mergers, acquisitions and establishment of joint ventures, in addition to the more usual plant expansions and "in house" diversification of existing companies' product lines.

The following is a condensed review of what has happened in the Industry during 1968, as recorded in the pages of **ASBESTOS.** It is as complete as space will permit and it is hoped our readers will find it of value as a reference for years to come.

Since you, our readers, advertisers and other friends within the Industry, are our chief sources of information, we sincerely request your continuing cooperation in supplying us with newsworthy items which will enable us to continue to publish the most accurate and timely stories of interest to the world-wide Asbestos Industry during the coming year.

MERGERS, ACQUISITIONS & AGREEMENTS

Fibreboard Corporation sold its Pabco Roofing Division to *Bird & Son, Inc.*, its Pabco Paint Division to *Napko Corporation* and certain assets and inventories of its Gypsum Division to *Johns-Manville Corporation*. In addition, Fibreboard agreed to purchase the 50% of its outstanding stock now held by *Tenneco, Inc.*

Drycor Felt Company and *American Felt Company*, which have operated as subsidiaries since their merger with *GAF Corporation* as part of the former Ruberoid Co., have been merged into GAF and form the nucleus of its new Industrial Products Division.

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GREETINGS

The coming of the Holidays bids us pause for a moment to reflect on the many pleasant associations we have enjoyed during the past year with our friends all over the world through the pages of **ASBESTOS.**

It seems only fitting that we should take this opportunity to offer our sincere thanks to those who have contributed so freely of their time, knowledge and moral support to help us perform our job.

We extend to all of you our best wishes for a joyous Holiday Season and for health, happiness and prosperity during the coming year.

Doris M. Fagan

DORIS M. FAGAN, *Editor*

Carrell J. Stover

CARRELL J. STOVER, *Publisher*

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National Gypsum Company and *Binswanger Glass Company* signed a contract for the merger of Binswanger into National. The agreement is subject to receipt of a favorable tax ruling and the tender of the requisite number of shares of Binswanger stock. Binswanger will continue operations under its present management as a major unit of National's Building Products Division. Also, National Gypsum and *Multicolor Corporation* have completed their merger and Multicolor will be structured into National's Gold Bond Building Products Division. Although National Gypsum had previously announced its plans to acquire *Ervin Industries, Inc.*, joint studies made by the two companies led to a mutual conclusion to terminate consideration of the proposed merger.

Johns-Manville Corporation and *U.S. Plywood-Champion Papers, Inc.* conducted exploratory discussions regarding a possible merger of the two companies, but these merger talks were terminated on December 4.

Borg-Warner Corporation completed an agreement in principle for the acquisition of *Stephens-Adamson Manufacturing Company.*

The Bauer Bros. Co. recently became affiliated with *Combustion Engineering, Inc.*

General Steel Industries, Inc. and *Simplicity Engineering Company* have agreed in principle on a plan for GSI to acquire Simplicity.

Abex Corporation and *Illinois Central Industries, Inc.* agreed in principle to combine the two companies, subject to the approval of the boards of directors and the stockholders of both companies.

Commercial Acceptance Corporation, 63% owned by *Certain-teed Products Corporation,* agreed to acquire *Vencedor Development Corporation,* San Juan, Puerto Rico. The acquisition is subject to certain favorable tax rulings.

Photronix, Inc. became a subsidiary of *McGraw-Hill, Inc.* and will be devoted primarily to the processing and marketing of the "SCAN Microfilm System."

Merit Oil Ltd. and *Castle Tin Mines Limited* completed their merger and the new corporate name is *Pacific Asbestos Limited.*

Canadair Limited acquired a minority interest in *Asbestos Corporation Limited* through the purchase of shares

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13900 Carmenita Road

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Central Solvents & Chemicals Co.
6308 East Sharp Avenue

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of stock from the former owners of Johnson's Company Limited and Johnson's Asbestos Company. The Johnson properties were sold to Asbestos Corporation in 1964.

Turner & Newall Limited and *Cement Limited* reached an agreement to further integrate their asbestos-cement interests in Ireland. T&N opened an asbestos-cement building products factory at Ballyclare which will be registered as "Turners Asbestos Cement (Northern Ireland) Limited" and will operate in conjunction with a subsidiary of Cement Limited.

EXPANSIONS & CONSOLIDATIONS

GAF Corporation conducted a multi-million-dollar construction program to increase plant capacities and production line flexibility for its division which was formerly The Ruberoid Co. Also, GAF created a new marketing and product development unit called the Construction Systems Unit to sell building materials and floor products to manufacturers of mobile homes, off-site low-cost housing units and other prefabricated shelters.

Niagara Asbestos Company, Inc. and *Peerless Mill Supply Company, Inc.* jointly purchased a 5-story building in Buffalo, New York, for Niagara to consolidate its complete operation in one building. Niagara is a Contractor-Distributor for Johns-Manville Corporation and Peerless is a J-M packing distributor.

Uniroyal, Inc. is modernizing and expanding its hose and belt fabric manufacturing facilities in Hogansville, Georgia. Further, Uniroyal is building an administrative, research, training and computer center in the Middlebury-Oxford area of Connecticut.

National Gypsum Company is constructing a multi-million dollar paper mill in New Columbia, Pennsylvania, to produce paper primarily for the manufacture of Gold Bond wallboard. This plant represents the largest single capital investment in a new facility in the history of National Gypsum.

Nicolet Industries, Inc. consolidated its administrative, marketing and research groups in a new and modern building at its main plant location in Ambler, Pennsylvania.

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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:*

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- *modernization of pipe machines with two forced feeded sieve cylinders.*

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Guildfords Limited is expanding its premises in Dartmouth, Nova Scotia, to include equipment for rotational casting of all types of plastics into molds. A substantial part of the facilities involved in this expansion will be used for the manufacture of asbestos panels.

Trio Engineering Company, Beirut, Lebanon, is now manufacturing products of its own for sale throughout the Near and Middle East. Trio is a distributor of friction materials for the automotive industry and a supplier of insulations, packings and friction materials for the industrial field.

Rocalla, S.A. installed a new factory in Cordoba, Spain, for the manufacture of pressure pipes.

Hume Industries (Far East) Limited completed a new asbestos-cement sheet factory in Singapore to extend its present asbestos pipe and sheet manufacturing facilities.

Fars and Khuzestan Cement Company, Teheran, Iran, is producing asbestos-cement sheets and pressure pipes at its new "Farsit Factory." The equipment for this new plant was supplied by the *R.C.M. Company* of Torino, Italy.

Edok S.A.-Eter S.A., Athens, Greece, established a new asbestos-cement plant at Patras. The Amiantit plant is now producing sanitary pipes and the company expects to begin making pressure pipes and sheets by July of next year.

COMPANY NAME CHANGES

Vibra Screw® Incorporated, Totowa, New Jersey, is now the name of the former "Vibra Screw Feeders, Inc."

GAF Corporation was approved April 23, 1968, as the new company name of the former "General Aniline & Film Corporation."

Philip Carey Corporation, a subsidiary of Glen Alden Corporation, is the new company name of the former "The Philip Carey Manufacturing Company."

Cape-Universal Building Products Limited is a new company formed to unify, under joint management, the activities of "Universal Asbestos Manufacturing Co. Ltd." and "Cape Building Products Limited."

ASBESTOS PROPERTIES, MINES & MILLS

McAdam Mining Corporation completed shaft sinking and is conducting tests on bulk samples of asbestos taken from

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its property in the Chibougamau area of Northwestern Quebec, Canada.

Daniel Mining Company Limited is drilling an asbestos property on a 36-claim group located in the Timmins area of Semple Township, Ontario, Canada, to determine dimensions and grades of mineralization.

Sturdy Mines Limited started drilling its new asbestos discovery in the Belleterre district of Quebec, Canada.

Carey-Canadian Mines, Limited has an option on *Terra Nova Exploration Limited's* asbestos property near St. Omer, Quebec, Canada. Carey has been diamond drilling to determine whether or not an economic deposit exists.

Cassiar Asbestos Corporation Limited, Toronto, Canada, reduced production at its Cassiar Mine to the originally scheduled rate of 75,000 tons of asbestos fiber per year. Costs and sales are being maintained at satisfactory levels. Also, Cassiar's Clinton Mine reached a commercial rate of production and by the end of this year the mill will have sufficient equipment to produce 300 tons of asbestos fiber per day.

Benson Mines Limited, Vancouver, British Columbia, is drilling on its asbestos property near Timmins, Northern Ontario to determine if there is sufficient tonnage of fiber in the shaft area to support a mining operation.

Hedman Mines Limited expects to begin operating its asbestos mine in the Matheson area of Northern Ontario, Canada. The new plant will have an initial fiberizing capacity of 300 tons daily and the fiber will be equivalent to Group 7.

Cape Blue Mines (Pty.) Limited began working the No. 6 asbestos mine which is a new section to its Pomfret Mine in South Africa.

Msauli Asbes Beperk, near Barberton, South Africa, started constructing its new mill which is expected to be completed by the middle of 1969.

Pacific Asbestos Limited, Toronto, Canada, received the results of assaying four drill hole cores from the northern part of its Woodsreef asbestos property in New South Wales, Australia. The company plans to continue its program of exploration and development work.

Cytechno Ltd. conducted a preliminary feasibility study on its asbestos properties on Troodos Mountain in the central

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part of Cyprus. It was estimated that £50,000 would be needed to finance a project to establish actual content, quality and grade of the fiber. This program is expected to commence early next year.

Hellenic Industrial Development Bank will reopen its asbestos mine near Kozani, Greece, and intends to establish a mill to treat the ore. Both the mine and the mill should be producing by the end of 1970 and will be operated by *Hellenic Asbestos Company S.A.*

Turkish Mineral Exploration had asbestos drilling projects underway near Urla (a village on the Karaburun Peninsula) and at Mihaliccik (near Sivrihisar).

Yugoslavia—New deposits of asbestos have been discovered in the Picely-Kosovska Mitrovica area of Yugoslavia and *Kosmetasbest* has planned an investment program for the purpose of opening new mines. Also, the *Petrovo Selo* asbestos mine is being modernized to increase production.

ASBESTOS PRODUCTS

Philip Carey Corporation—SHAKE-SHIELD, a new asbestos felt which serves as an underlayment and interlayment membrane for wood shingle and shake roofs to retard flame spread to the structure beneath.

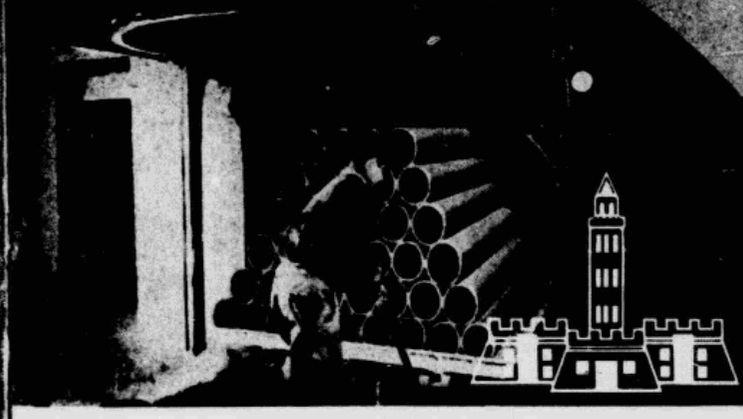
Johns-Manville Corporation—FIRE-KING and FIRE-GLASS SEAL-O-MATIC shingles, a new line of FGA roofing combining glass fiber and asbestos; ACE CORSPAN, an industrial sidewall panel which is the latest addition to J-M's line of asbestos-cement extruded (ACE) products; STRUCTO SHAPE, a new asbestos-reinforced thermoplastic sheet laminate.

Nicolet Industries, Inc.—NO. 411 ASBESTOS UNDERLAYMENT, a protective felt made of Chrysotile asbestos.

Raybestos-Manhattan, Inc.—SPEEDLAG, an improved pre-pasted asbestos lagging cloth for thermal insulation of pipes, flanges and turbines; R/M 663 PYROID, a new compressed asbestos sheet for general purpose gasketing composed of long Chrysotile fibers and a special binder compound together with reinforcing and protective ingredients; R/M COMPRESSED ASBESTOS SHEET will now embody a non-adhesion feature, eliminating the need for graphite; AS-

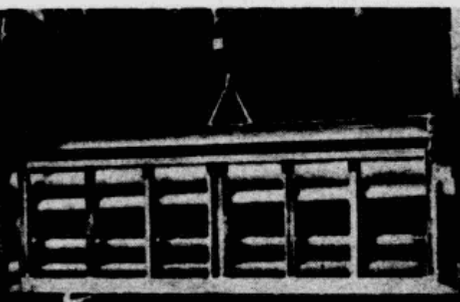
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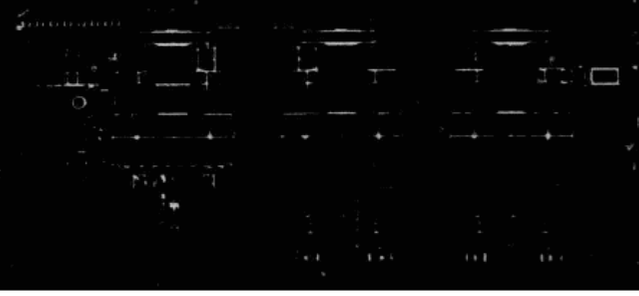


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BESTOS-TFE LINER, RL-816, a composite clamp-lining material of woven wire-inserted asbestos, impregnated with tetrafluorethylene (TFE) fluorocarbon suspensoid.

Rexall Chemical Company—NYLODE, a nylon molding compound reinforced with asbestos and identified as a nylon Plaslode.

Uniroyal, Inc.—UNIROYAL ASBESTOS FABRIC, No. D67505-LWF, a new and completely non-flammable asbestos fabric which will resist temperatures in excess of 1,800°F.

Cape Insulation Limited—CAPOSIL HT1, a new insulation which has low thermal conductivity and high compressive strength throughout its usable temperature range; CAPOSIL HT2, a new insulation with improved flexural and compressive properties for heavy duty service; NORAMITE/CAPOTHANE PANEL, a new rigid polyurethane slab faced on both sides with Noramite Amosite Mat.

Cape-Universal Building Products Limited—MATT SHEEN, a new acrylic-silicone emulsion color finish for asbestos-cement sheet.

ASBESTOS PRODUCTS BEING USED IN INDUSTRY

Asbestos-Cement Pressure Pipes were used successfully as a radar and communication antenna tower by Radio Corporation of America.

Unibestos amosite asbestos fiber pipe covering, manufactured by Pittsburgh Corning Corporation, was the insulation selected by Asbestos Products, Inc. to cover the several miles of high temperature lines in the Allen S. King power plant, Lake St. Croix, Minnesota.

Polybestos, an asbestos textile product of Raybestos-Manhattan, Inc., is used in the series of Kelnit asbestos gloves and mitts manufactured and sold by Keller Glove Manufacturing Company. The gloves and mitts are for use in combination with cotton or wool inserts to provide safe handling of materials at temperatures to 1000°F.

Asbestos-Cement Roof and Wall Products, manufactured by Johns-Manville Corporation, are being used in the development of prefabricated homes at Nassau, the Bahamas.

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& Fibres



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for

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Extruded Asbestos-Cement Products and *Vinyl-Asbestos Floor Tile* were donated by Johns-Manville Corporation for use in the on-site evaluation of urban rehabilitation materials and methods at a gutted brownstone building in Brooklyn, New York.

Molten Metal Marinite, an insulating board product of Johns-Manville Corporation, is being utilized by several foundries for continuous-casting of aluminum and zinc sheets by the Hunter Process.

Transite asbestos-cement pipe is being installed in the complex fume-exhaust system of the University of Toronto's medical research building and is in use in similar systems at five other Canadian universities. Manufactured by Canadian Johns-Manville Co. Ltd., the pipe contains asbestos fiber produced at the Jeffrey Mine.

EQUIPMENT, PROCESSES & SERVICES

Albert Products, Inc.—CARHOE, an hydraulically operated hoe-type tool which enables one man to unload and clean out an entire hopper car without entering the car.

The Bauer Bros. Co.—HYDRASIEVE, a versatile new device for the continuous dewatering and classification of many types of slurries.

Bison Instruments, Inc.—a precision multi-range SEISMIC TIMER, Model 1501, for applied earth engineering use.

The Carbone Corporation—EiLi MILLING PUMP, simultaneously handles and processes both intermediate and final products.

D&M Equipment Company — DUNBAR AUTOMATIC UNLOADING SYSTEM, a new concept in self-unloading.

D P Way Corporation—ULTRAVAC INDUSTRIAL VACUUM LOADER, a device for the removal of both fine and high density industrial debris and spillage.

Fisher-Klosterman, Inc. — CYCLONE SEPARATOR AND COLLECTOR SYSTEM, consists of a low pressure cyclone and a "Cluster-Clone."

Florig Equipment Company, Inc.—SANI-BULK SYSTEM, combines, in one vehicle, the capability of transporting either dry bulk materials or general cargo and packaged freight.

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Ask about Bauer total function systems designed for your needs.

BAUER

Geoscience Instruments Corporation — MICRO-PULVERIT, a new electromagnetic micromill designed for pulverizing and homogenous mixing of geological specimens for laboratory analysis.

Microwave Instruments Company — MICROWAVE MOISTURE GAGE, Model 633, passes microwaves through a material, sensing moisture content by either transmission or reflection.

Nicolet Industries, Inc.—NICOLET SEALABILITY TESTER, an effective means of evaluating gasketing materials.

Cyril Norris & Son Limited—HEAVY DUTY INDUSTRIAL CLEANER, Model 745, was developed to control dust in asbestos stores and for cleaning up areas where workmen are installing asbestos lagging or other dust-producing materials.

Showcase Corporation—MICROFILM LIBRARY, designed to help the nation's construction industry overcome the burden of mounting paperwork. It will be marketed through 239 Showcase Centers in the United States and Canada and a reader-printer machine will also be available.

Speed King Manufacturing Company, Inc.—BELTVEYOR ELEVATING UNDERCAR FEEDER, has one continuous belt and is a single unit for unloading and elevating dry granular materials when they are unloaded from a hopper bottom rail car. The unit eliminates the need for a pit under the track.

Vibra Screw® Incorporated—VIBRA SCREW GYRATOR and the VIBRA SCREW BIN ACTIVATOR, designed for positive and continuous movement of dry materials from any storage bin.

AWARDS & APPOINTMENTS

Alfred L. Penhale received the 11th casting of the "Asbestos Story Ring." Mr. Penhale is Chairman of the Board of Asbestos Corporation Limited.

Miss Edith E. Cox received the 12th casting of the "Asbestos Story Ring." Miss Cox recently retired as Editor and Publisher of ASBESTOS magazine.

Dr. E. H. E. Andreas, Owner of Hazemag, received the Certificate of Investiture for the "Cross of Merit, First Class"

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of the West German Federal Order of Merit in recognition of special services rendered to the State and to the People of West Germany.

Roland Dugre, outgoing President of the Quebec Chamber of Commerce, received a plaque on behalf of the Quebec Metal Mining and Quebec Asbestos Mining Associations which acknowledged his efforts toward better understanding by the people of Quebec of the social and economic importance of the Quebec mining industry.

National Gypsum Company's Building Products Division received 27 awards, including the Award of Honor, from the National Safety Council in recognition of outstanding safety performance during 1967.

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

Superconcrete Pipes (S.A.) Ltd. received the mark of the South African Bureau of Standards for its asbestos-cement pressure pipes which places these pipes in the very top category of manufacture.

RETIREMENTS

The following have retired from their respective posts in the Asbestos Industry and we wish them much success, good health, and happiness in their future activities:

Miss Edith E. Cox, Editor and Publisher, ASBESTOS magazine.

C. Joseph Hyland, Corporate Secretary, GAF Corporation.

W. A. Janitch, Representative in Great Britain, Asbestos Corporation Limited.

Arthur J. Kroll, Director of Traffic, Johns-Manville Corporation.

John MacMurray, Sales Manager, Grey-Rock Division, Raybestos-Manhattan, Inc.

Karl E. Miller, District Sales Manager, Building Products Division, GAF Corporation.

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Asbestos in Marrakech.

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

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

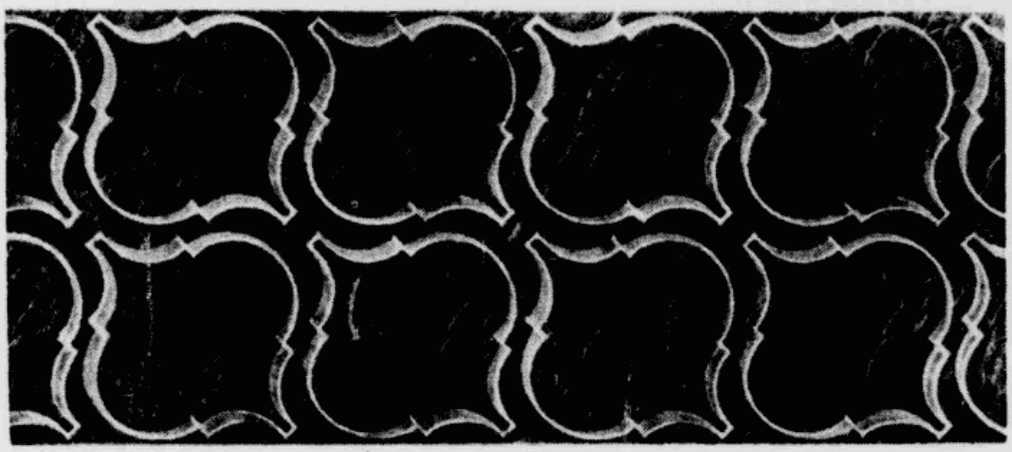
The reason you'll find our asbestos in Marrakech is pure and simple. When fortified with asbestos fibers, Vinylcraft tiles wear like—well, like asbestos. Even under the most challenging conditions.

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

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Johns-Manville



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James M. Shackelford, Treasurer, Johns-Manville Corporation.

Charles G. (Bud) Topping, Product Group Manager, Pressure Pipe, Johns-Manville Corporation.

DEATHS

Below is a list of those in the Asbestos Industry whose passings were recorded this year. Their absence will be greatly felt but their contributions will be remembered for many years to come.

Ernst Wedekind, Confidential Clerk, Deutsche Kap-Asbest-Werke A.G., Hamburg-Bergedorf, Germany, October 7, 1967.

Paul E. Williams, former Philadelphia District Sales Manager, Pipe Division, Certain-teed Products Corporation, December 2, 1967.

Herbert Edward Smith, former Chairman, President and Chief Executive Officer, Uniroyal, Inc., January 26, 1968.

Sir William Perry, Director, Hume Industries (N.Z.) Limited, March 20, 1968.

Ellwood Franklin Jones, Sr., Executive Secretary, Insulation Distributor-Contractors National Association, Inc.

Ernest S. Sprinkmann, President, Sprinkmann Sons Corporation, April 1968.

Ernest Muehleck, retired President of the former Keasbey & Mattison Company, April 26, 1968.

Charles Ross Neal, retired President and Founder of Metate Asbestos Corporation, May 23, 1968.

Clarence Herbert Carlough, President and Founder of Carolina Asbestos Company, June 17, 1968.

Andrew Stuart Johnson, President, Johnson's Asbestos Company and Johnson's Company Ltd., July 30, 1968.

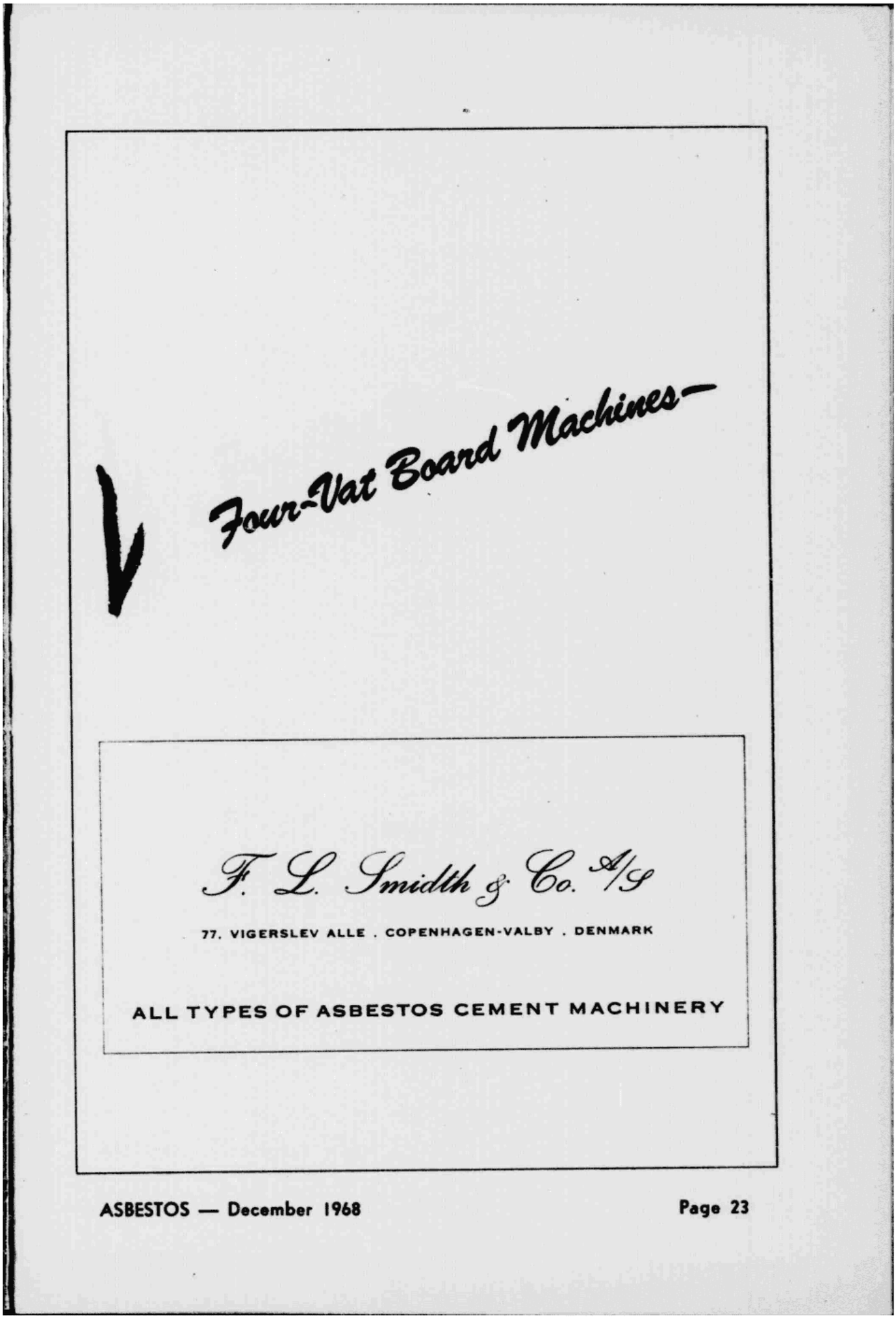
P. D. Japp, Vice President-Corporate Relations, Philip Carey Corporation, September 9, 1968.

Lt. Col. James Gordon Ross, Honorary Director, Asbestos Corporation Limited, September 21, 1968.

ASSOCIATION ACTIVITIES

Quebec Asbestos Mining Association hosted a 7-man team of asbestos experts from the U.S.S.R. during a 16-day

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visit in February. The team toured open-pit and underground mining operations as well as asbestos milling, shipping, quality control and research facilities in the Quebec area.

The Producers' Council developed and approved a project for the study of "Building Materials Usage in Non-Residential Construction."

National Association of Manufacturers appointed John W. Humphrey as Chairman of the Area Development Program Group of its Area Industrial Problems Committee. Mr. Humphrey is Chairman of the Board of Philip Carey Corporation.

Water Pollution Control Federation appointed John Autry as Chairman of its Public Relations Committee. Mr. Autry is Group Product Manager for Transite Non-Pressure Pipe, Johns-Manville Corporation.

United States of America Standards Institute (USASI) —Committee A62 drafted "Standards for a Major Systems Planning and Coordination Module for Building Systems and Components." These Standards were submitted to the USASI Construction Standards Board for review.

BOOKS ON ASBESTOS

Asbestos, by Karl Frank—The Institute for Asbestos Information, Subiaco, Australia, has negotiated an agreement with Becker & Haag to publish an English translation of this well-known source book. Demand for the translation will determine whether or not it will be published.

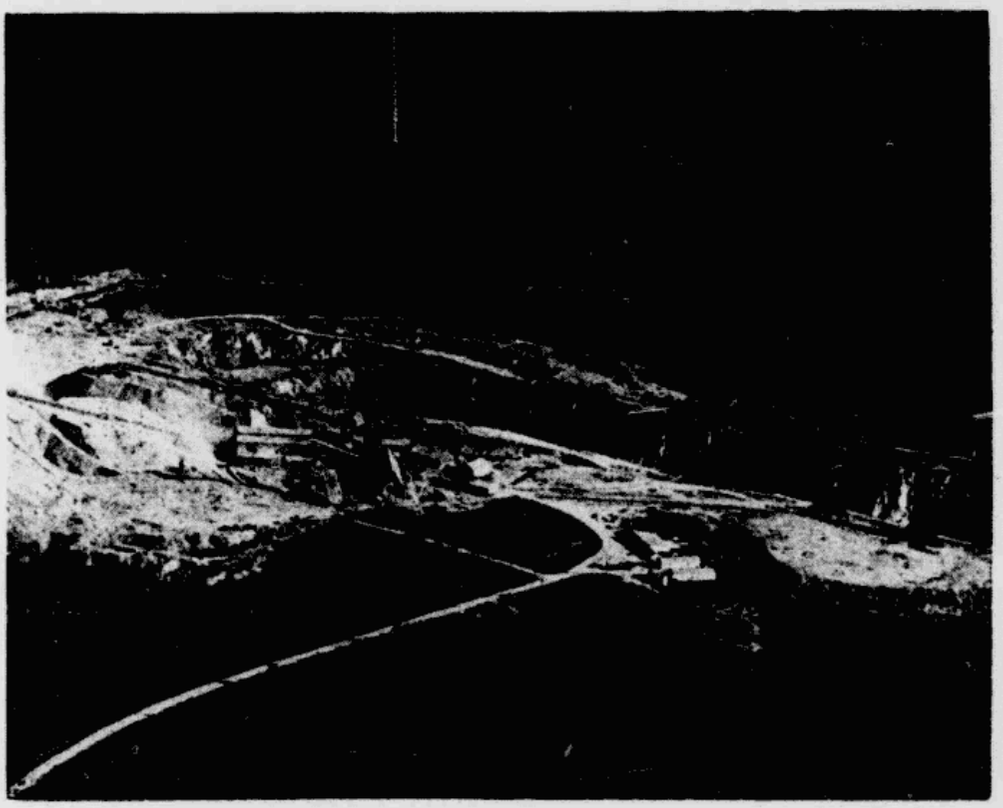
Chrysotile Asbestos Deposits of the U.S.S.R., edited by P. M. Tatarinov and V. R. Artemov—This detailed record of known Chrysotile deposits in Russia has been published by Nedra, Moscow, and is available through the Bookshop Service of the Institute for Asbestos Information at $11.50 per copy.

Mineral Exploration, Mining, and Processing Patents, 1967, by Oliver S. North—This permanent reference of abstracts of patents is available through ASBESTOS magazine or direct from the author for $25.00 per copy.

Asbestos-Cement, by Harald Klos—This book is available, in German only, from Springer-Verlag for $22.50 per copy. It discusses the development of processes for the manufacture of asbestos-cement products and includes specifications for erecting complete plants.

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The History of Bell Asbestos Mines Ltd., 1878-1967, by G. W. Smith—This bound book, written by the former President of the Bell Mine, gives complete details of the Bell Mine from its early days until the present time. A limited number of copies is available in either French or English.

ARTICLES & PAPERS

The Times, London, carried a series of short articles on asbestos and its many uses in its November 28, 1967, edition.

Aerial Survey of Open Pits at Lake Asbestos of Quebec, by Maurice Lauzon, Chief Mine Engineer, Lake Asbestos of Quebec Limited.

The Origin and Occurrence of Chrysotile Asbestos in the Shabani and Mashaba Areas, Rhodesia, by D. H. Laubscher.

The Koegas Mine of Cape Blue Mines (Pty.) Limited appeared in the March 1968 issue of Mining Magazine.

Asbestos Bulletin listed many articles and papers on Soviet asbestos. This list, or a particular article, may be obtained by contacting the Bulletin.

COMPANY BROCHURES

Armstrong Cork Company—"Armstrong Gasket Materials," "How To Get the Most Out of Spraying Armstrong Contact Adhesives," and a series of monthly pocket reminders indicating applications for Armstrong gasket materials—the first two were concerned with Armstrong's new Accobest heavy duty gasket materials.

Atlas Asbestos Company, Montreal—"Asbestos-Cement Promenade Tile" and "Asbestos-Cement Building Materials."

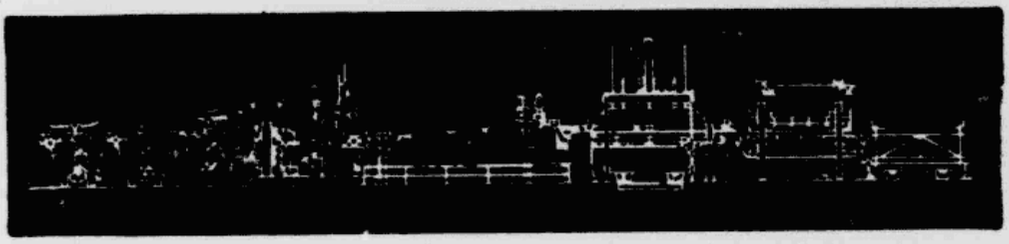
The Bauer Bros. Co.—Bulletin G-40, describes the new Hydrasieve for dewatering and classifying of low consistency slurries.

The Cape Asbestos Co. Ltd.—"Amosite in Asbestos-Cement," deals with the use of Amosite in association with Chrysotile fibers in asbestos-cement sheets and pressure pipes —available in English, Japanese, Russian, Italian, German and French, and "The Cape Group of Companies, 1893-1968" which briefly gives a history of the company's 75 years of progress and the essential details of its activities.

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Cape-Universal Building Products Limited—1968/69 edition of "Technical Information."

Philip Carey Corporation—Form No. 6817, "Philip Carey Insulations"; Form 6819, "Heavy-Duty Asphalt Tile."

Eriez Magnetics — "Permanent and Electromagnetic Equipment."

Hewitt-Robins, a division of Litton Industries—various catalogs on belt conveyor idlers, the scope of H-R, sectional conveyors, conveyor elevator transmission, precision chain and sprockets, reducers and drives, unit handling components, conveyors, and systems.

Johns-Manville Corporation — AS-197A, "Colorbestos Slates"; "Bridge Decks Last Longer," which describes the construction and maintenance advantages of asphalt bridge deck overlays containing asbestos fibers; AS-204A, "Bel-Air Roof Shingles"; and "Johns-Manville Throughout the World" which acquaints the reader with J-M's history, its mining, manufacturing, research and marketing organization and the quality products offered by J-M.

Johnson-March Corporation—new and complete line of high quality filter bags for bag filter collectors; "Automatic-Cleaning Bag Filter Unit" and "Filterbagability," which describes the company's new facilities for the manufacture of replacement filter bags and stresses testing and evaluation in addition to quality control.

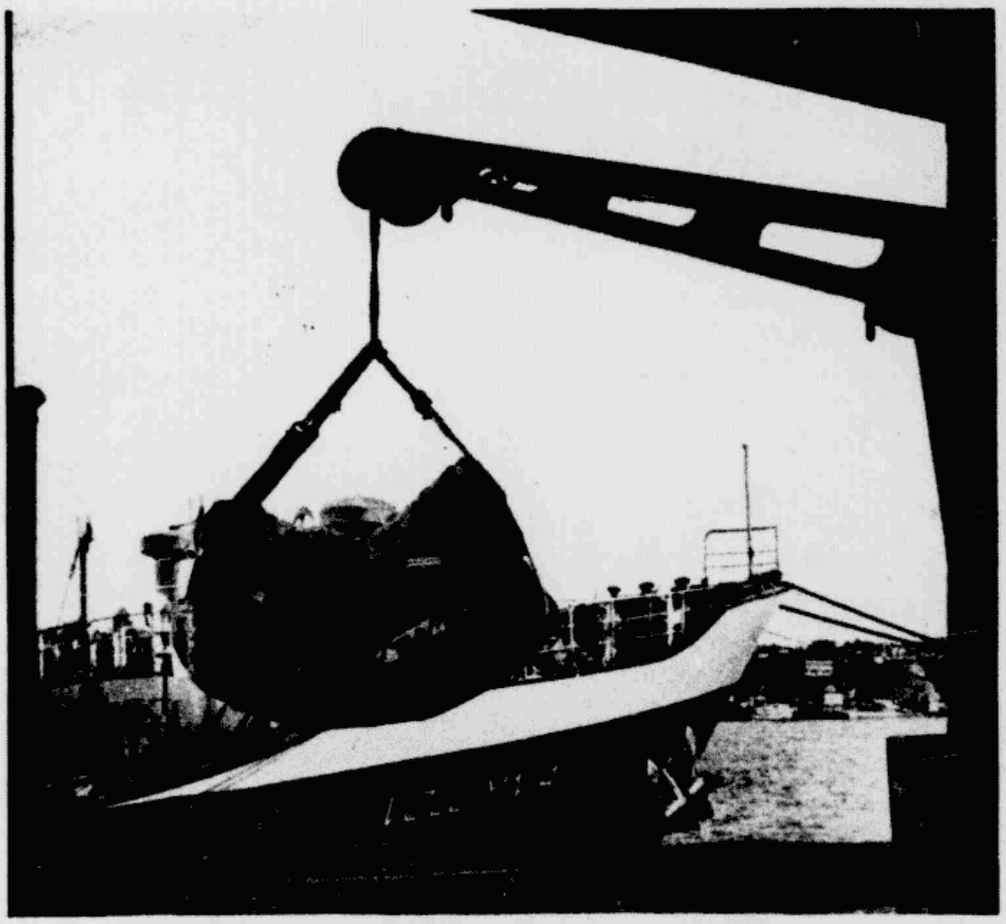
Metate Asbestos Corporation—"The Metate Asbestos Precoat Filter Aid" suggests the company's "Fast-Flo" LX-222-NAW pure asbestos precoat filter aid to achieve maximum cake stability on pressure-type filters.

H. K. Porter Company, Inc.—"Thermoid Oil Field Products," presents data on Thermoid rubber, friction and textile products for oil field use including asbestos textiles and friction materials.

Rex Chainbelt, Inc.—Bulletin No. 920A-FPP, describes the Carrier Division's line of pneumatic mechanical vibrating feeders.

Stedman Foundry and Machine Company, Inc.—Bulletin 516, lists equipment for crushing, pulverizing, disintegrating,

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Stephens-Adamson Manufacturing Company—"Belt Conveyor Idlers and Pulleys."

Vibra Screw® Incorporated — "Controlled Vibration Equipment" for feeding and hoppering of dry bulk materials from storage into process.

Vibration Measurement Engineers, Inc.—"Ampligraph," a vibration measuring device that records continuously and inexpensively without human attention, and "Seismolog," a portable instrument which records vibrations from blasting and other earth disturbances.

GOVERNMENT ACTIVITIES & LITERATURE

Australia—Bureau of Mineral Resources, Geology and Geophysics: "Australian Mineral Industry 1966 Review," includes data to June 1967.

British—Mineral Resources Division, Institute of Geological Sciences, London: "Statistical Summary of the Mineral Industry, 1961-1966."

Cyprus—"Annual Report For The Year 1967," prepared by the Senior Mines Officer, Nicosia.

Canada—Canadian Government Specifications Board: "Index of Standards and Specifications as of January 1968"; Ontario Department of Mines: "Annual Report for the Year 1965"; Quebec Bureau of Statistics: "Asbestos Mines 1965," Publication No. 3-1M; "Asbestos Mines 1966," Publication No. 3-1M; and "1967 Directory of Mining Establishments," Publication No. 0-2M; Dominion Bureau of Statistics: "Canada's Mineral Production 1967," Catalog No. 26-202; "Canada Year Book 1967"; "Asbestos Products Manufacturers 1966-Annual Census of Manufacturers," Catalog No. 44-203; "Asbestos Mines 1964," Catalog No. 26-205; and "Asbestos Mines 1965," Catalog No. 26-205.

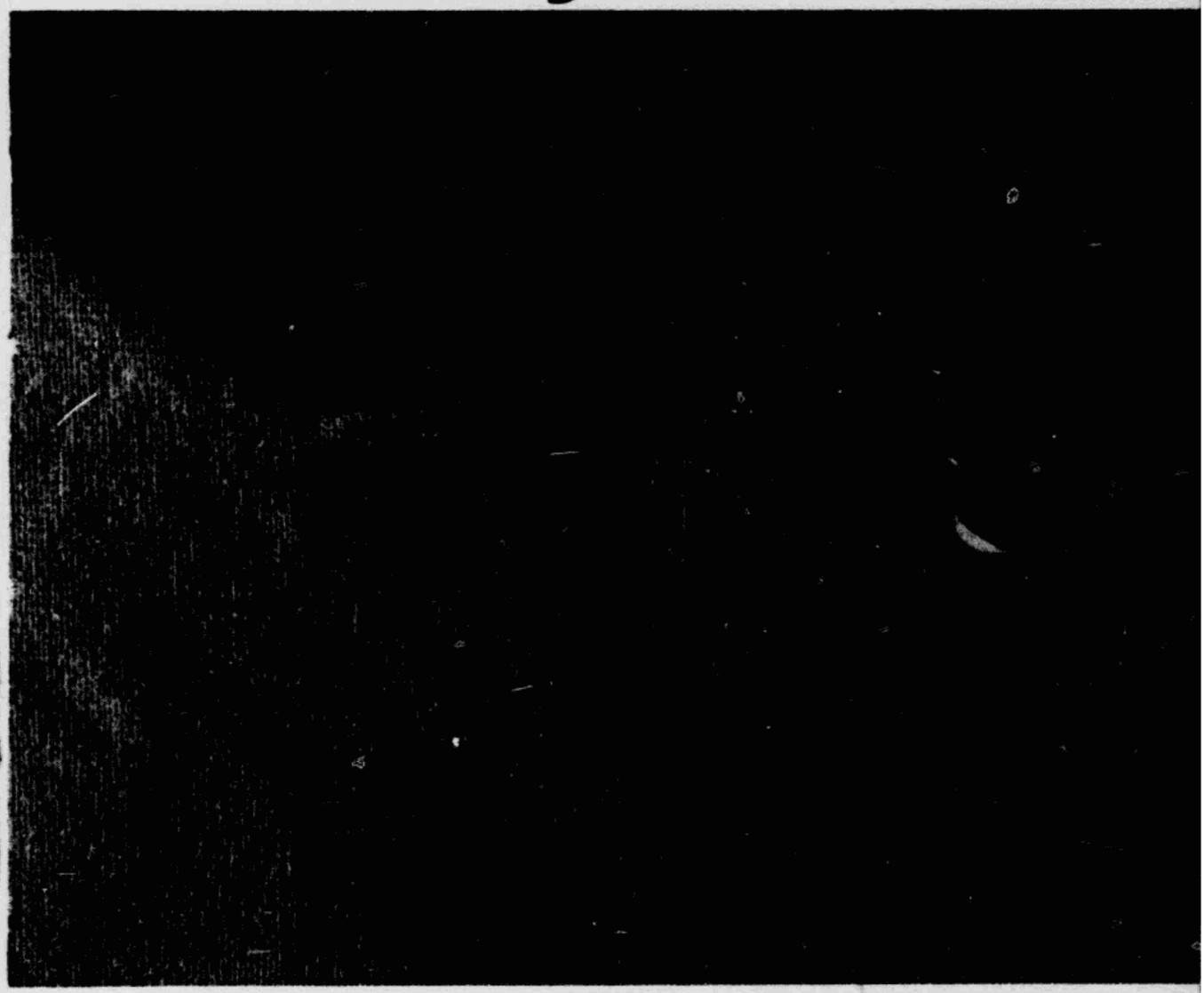
U.S. Bureau of the Census—"Value of Shipments by Classes of Products," based on the 1966 Survey of Manufactures.

U.S. Bureau of Mines—"Tunneling: Recommended Safety Rules," Bulletin 644; "Projection of Applications and National Benefits of a New Rapid Excavation Technology," on open file in six locations throughout the United States for public use; and "Asbestos in 1967" and "Safety in Mineral Industries," annual Mineral Industry Surveys.

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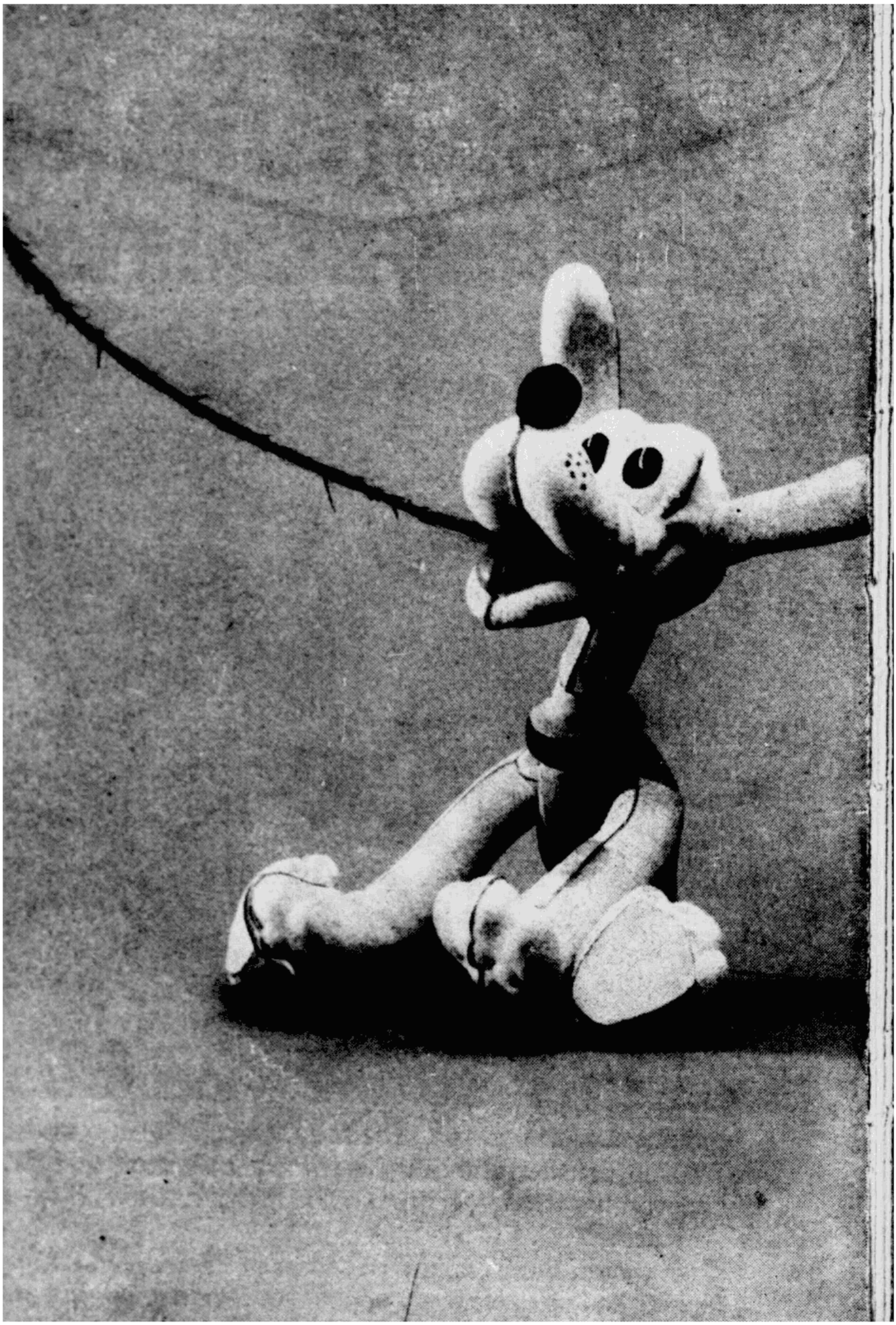
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A 704-foot long wind tunnel was tested by the Bureau to help establish safety standards for ventilation rates, dust and contamination limits, and explosion prevention.

A new kind of belt conveyor for moving broken ore has earned a U.S. patent for an engineer of the Bureau. The novel feature of the conveyor is that the material moves along a flexible belt without any forward movement of the belt itself.

A sensor, called a *geophone*, has been modified by Bureau scientists to convert extremely weak, or "microseismic," sounds generated by rock movements into electronic impulses that can be amplified and recorded.

U.S. National Bureau of Standards—NBS is presenting new weights and measures standards to all 50 States of the United States.

The Bureau sponsored a "Symposium on Thermal Expansion of Solids" in September.

"Man and His Shelter" was a series of interdisciplinary conferences sponsored by the Institute for Applied Technology of NBS.

NBS has announced a new procedure for assisting other U.S. Government agencies in the analysis of material and structural failures. The evaluation of the cause of failures often provides a basis for better design of structures and materials.

MISCELLANEOUS PUBLICATIONS

Survey of Mines 1968—42nd annual edition, The Financial Post, Toronto ($7.00).

Building Board Directory 1967—9th annual edition, Middlesex Publishing Company Limited, London (10/- post free).

Official Packaging Machinery Directory 1968—Packaging Machinery Manufacturers Institute, Washington, D.C. ($1.00).

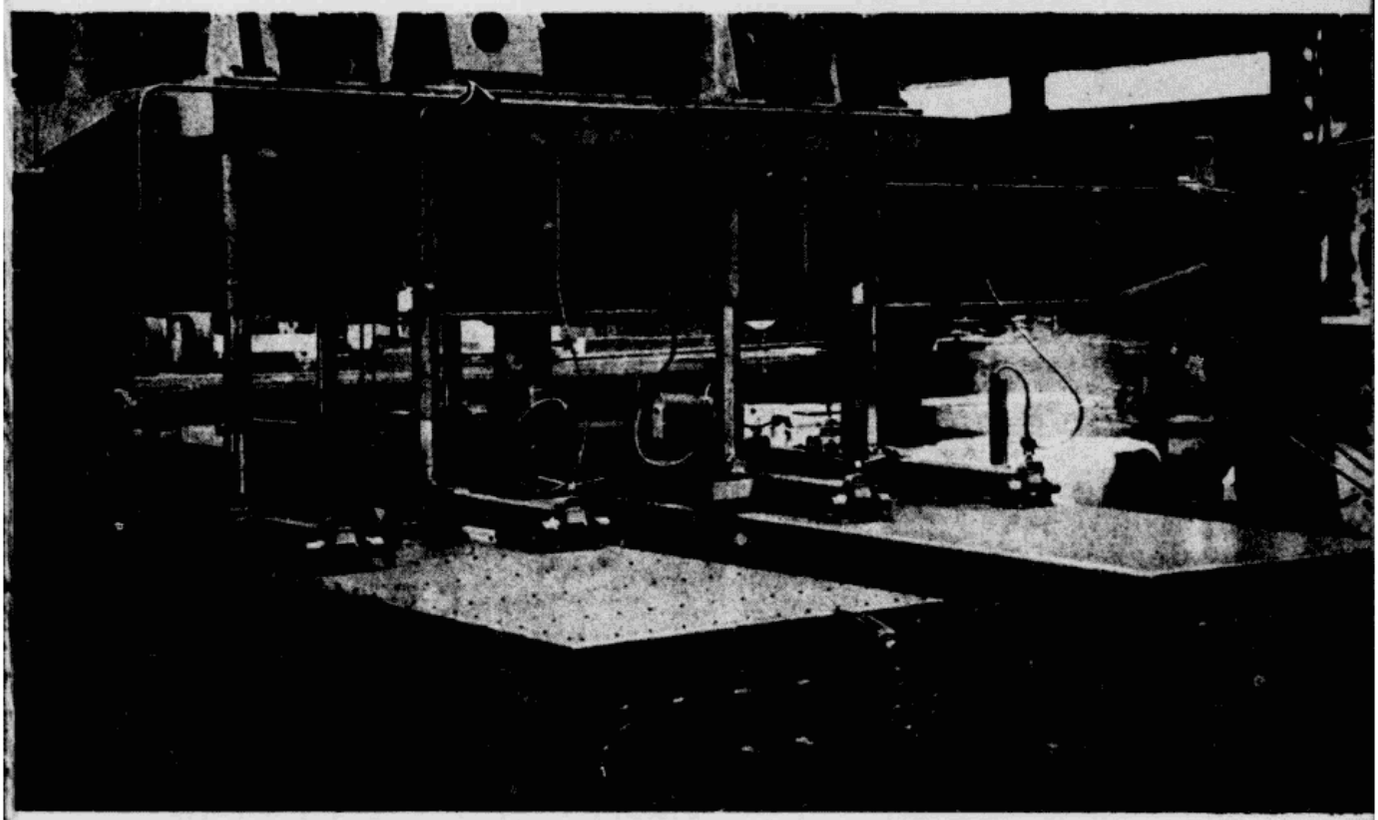
Insulation Handbook 1968—Lomax Erskine Publications Limited, London (15/-post free).

Canadian Mines Handbook—1968-1969 edition, The Northern Miner Press Limited, Toronto ($6.00 paper bound, $7.00 hard bound).

Mining Explained—The Northern Miner Press Limited, Toronto ($1.50 paper bound, $3.00 hard bound).

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Mining Annual Review 1968—The Mining Journal Limited, London (£1.15.0; $4.25 in U.S. currency).

Annual Mineral Industry Review—February 1968 issue of "Canadian Mining Journal," contains a chapter entitled "Asbestos" by A. A. Winer.

Report on the Seminar on Development of Building Materials—includes data on the development of asbestos-cement products in the ECAFE region and other findings resulting from the Seminar, prepared by the United Nations' Economic Commission for Asia and The Far East, Bangkok, Thailand.

Feasibility Study of an Industrial Park on the San Carlos Apache Indian Reservation, Arizona—prepared by L. H. Bell & Associates for the Economic Development Administration of the U.S. Department of Commerce; offers a study of an "Asbestos Processing Plant" and covers the history of Chrysotile asbestos in Arizona.

Ceiling Infil Panels and Tiles—Data Sheet No. 02.09, appeared in November 1967 "Insulation"; includes data on the composition of asbestos insulating board, Gyptone acoustic tiles and mineral board panels and tiles.

Research Project Report—prepared by the National Home Improvement Council; study conducted in cooperation with F. W. Dodge Company and Market Facts, Inc., to determine the size of the home remodeling market in the United States.

Fireproof . . . Insulate . . . Control Sound—gives a description, the uses, and properties of sprayed mineral fiber; available from the Sprayed Mineral Fiber Manufacturers Association.

U.S.S.R. ASBESTOS—The following papers concerning asbestos in the Soviet Union were listed in the September-October 1968 issue of the *"Asbestos Bulletin"*: Demantoid Finds in Asbestos Veins of the Darinskii Deposit (North Armenia), The Mechanism of the Formation of Antophyllite Asbestos, and Installation of Second Vat Increases By 30% the Productivity of Asbestos-Cement Pipe Forming Machine.

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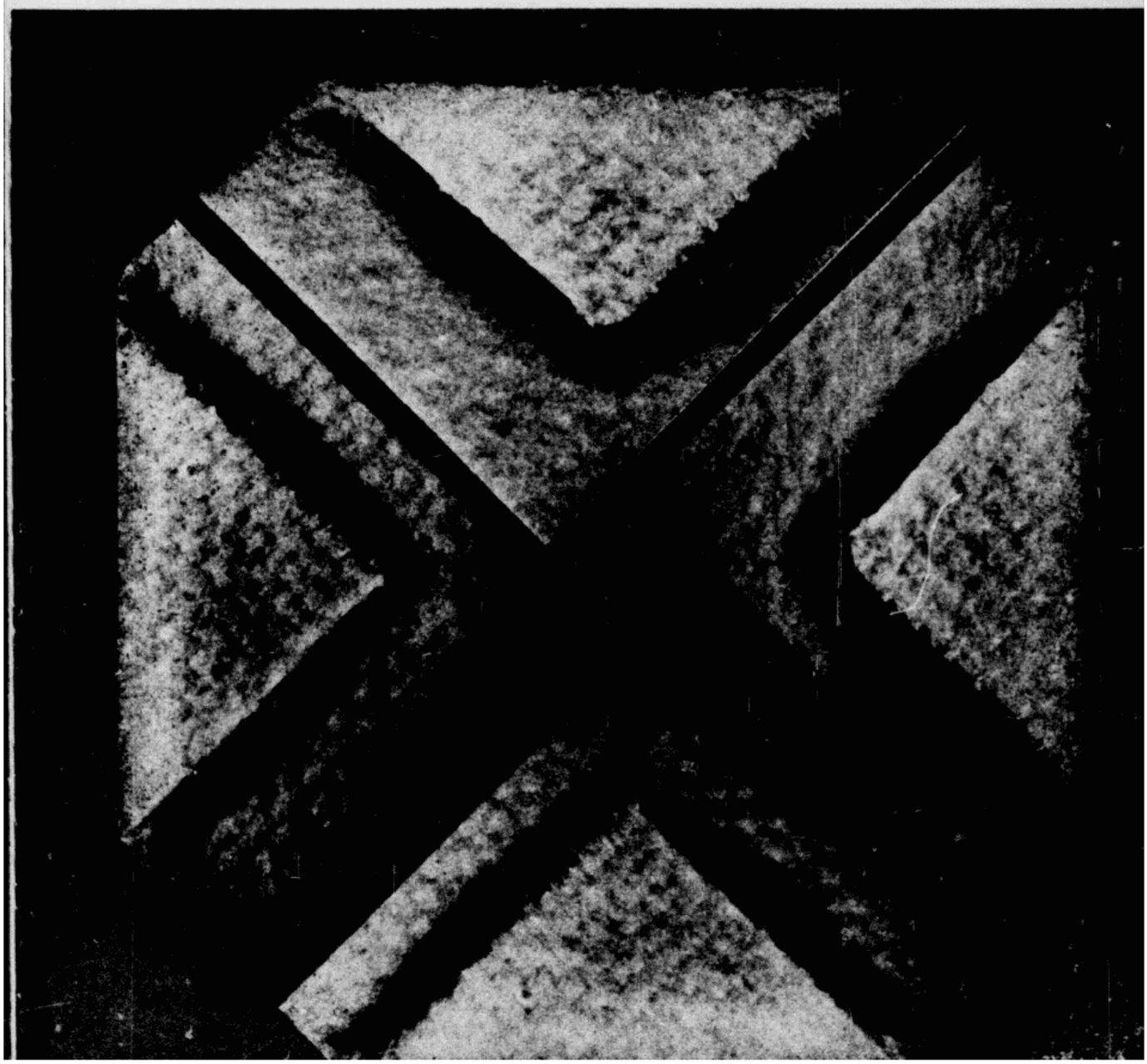
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Cape Asbestos—75th Anniversary

The year 1968 marks the 75th anniversary of The Cape Asbestos Company Limited. Cape was founded in 1893 by Francis Oats, a Cornish mining engineer. Around 1890, when Mr. Oats was managing a diamond mine, his attention was drawn to the unusual samples of Crocidolite (Blue) asbestos which native workers were discovering around Prieska on the Orange River. He believed the fiber had commercial possibilities and arranged for the purchase of 30,000 acres of asbestos-bearing property including the Koegas farm where Cape Asbestos still mines today. On December 28, 1893, The Cape Asbestos Company Limited was incorporated in London.

Cape held its first company meeting in January, 1894 and subsequently factories were established in Europe to manufacture heat-resistant textiles and other products including insulation materials. Amosite asbestos was first observed in 1907 at Penge in the Transvaal and in 1925, Cape purchased the two Amosite mining companies — Egnep (Pty) Limited (Penge spelled backward) and Amosa (Pty.) Limited.

In 1939 Cape took an interest in the manufacture of garage equipment, thus forming the basis of the extensive Kismet operation as it is today. After World War II, expansion continued with the acquisition of a brick and board factory at Uxbridge, followed in 1952 by factories in Scotland to manufacture Rocksil rock wool and Marinite fire-resistant board (jointly with Johns-Manville Corporation). In 1960, Cape acquired Small and Parkes Limited of Manchester, manufacturer of "Don" brake and clutch linings, and in 1967 this activity was further extended by the construction of a factory in Belgium to supply the Common Market. Also in 1967, Universal Asbestos Manufacturing Company Limited joined the Cape Group and its range of asbestos-cement sheets and molded products were added to the Cape line. Today, the Cape Group's activities are organized into four divisions: the Insulation, Building Products, Engineering and Mines Divisions. Marketing of fibers throughout the world is handled by Cape Asbestos Fibres Limited, London. North American Asbestos Corporation, Chicago, Illinois, markets Amosite and Crocidolite asbestos throughout the United

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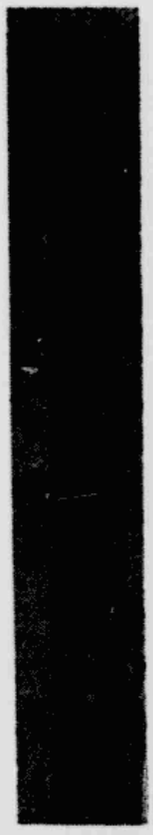
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States, Canada, Mexico, Central America and Caribbean countries.

To briefly give a history of its 75 years of progress and the essential details of its activities, Cape Asbestos has published a booklet entitled "The Cape Group of Companies, 1893-1968."

JOHN F. O'LEARY was sworn in as Director of the *U.S. Bureau of Mines* on October 23, 1968. President Johnson's nomination of Mr. O'Leary to the post was confirmed by the United States Senate on October 10. At the time of the nomination, Mr. O'Leary was Chief of the Federal Power Commission's Bureau of Natural Gas. The responsibilities of the Bureau of Mines include research and development programs for mineral and fuel resources, assembling information on domestic and foreign mineral economics, and promoting mine safety.

THE PRODUCERS' COUNCIL has re-titled its "Technical Bulletin" and in 1969 the quarterly publication will be published as *"Construction Products & Technology."* Other changes will occur along with the new title: a revised circulation list, a more modern format, and increased editorial emphasis on building products and their impact on design and construction technology.

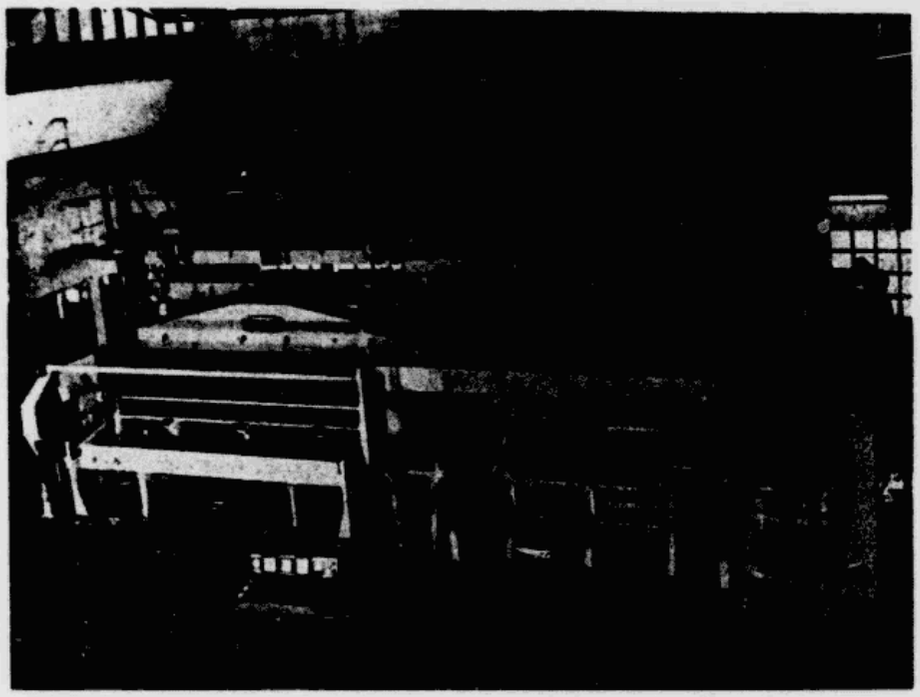
ASTM LIST OF PUBLICATIONS has been issued by the *American Society for Testing and Materials.* The current issue of this annually revised book contains 34 pages and lists more than 500 ASTM publications dealing with the knowledge of materials, materials evaluation and the standardization of methods of test and specification for materials.

ASTM WINTER MEETING will be held at the Denver Hilton Hotel, Denver, Colorado, February 2-7, 1969.

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in the field of machinery for asbestos-cement products



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MARKET CONDITIONS

General Business.

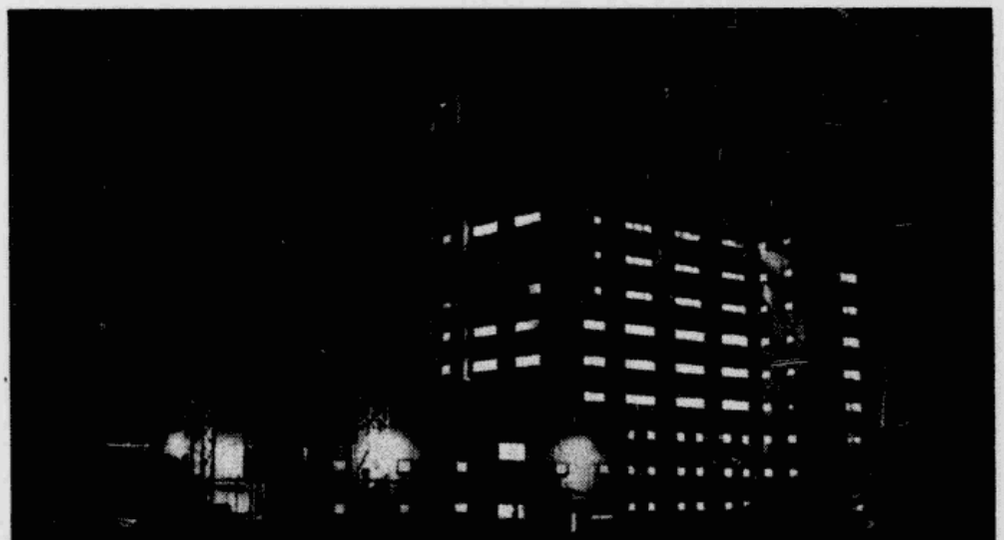
General business shows improvement in some areas and economists are reappraising the picture for the first half of 1969. It appears that inventories of some types of steel are being depleted more rapidly than was anticipated and orders on the mills are expected to increase at an earlier date than that formerly projected. Employment remains high and many employers are still having difficulties finding enough skilled labor and office personnel to maintain operations at rates which will adequately satisfy current demands for their products. Prospects for good business through the first quarter of 1969 are much better now than they were only a month ago.

The election of Mr. Nixon by a very close margin, coupled with a continuing Democratic majority in the Congress, indicates our Government for the next two years will be one of compromise. While this may appear undesirable, the fact is that only through cooperation and compromise can the country achieve the stated aim of both parties—the healing of the rifts between large segments of the population. In truth, the objectives of both major party candidates were about the same. The chief differences lay in the proposed methods of attaining these objectives. It therefore seems quite likely that, with an agreement on basic objectives, the new President and the Congress can work together to move decisively toward solutions to our most pressing problems, both internal and external. We can only hope that this will be the case.

On the international scene, certain details regarding participation of the South Vietnamese government in the Paris talks have not yet been workd out and, until they are, the talks have stalled, although certain U.S. officials believe Hanoi is sincere in its desire for a negotiated peace.

A new international crisis has arisen. Inflation in France, coupled with the extremely favorable balance of trade enjoyed by West Germany, has led to speculative selling of francs and buying of marks. This has resulted in downward pressure on the British pound as well as the franc. After a series of meetings of the ten leading non-Communist nations, during which pressures were exerted for upward revaluation of the mark and devaluation of the franc, the present picture is:

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(1) West Germany has refused to revalue the mark but has lowered duties on imports and raised them on exports in an effort to help France improve its balance of trade position.

(2) Two billion dollars in credits have been granted France by the other nations involved, in an effort to shore up the value of the franc.

(3) DeGaulle has refused to devalue the franc but has suggested an austerity program designed to curb France's inflation and lend strength to the franc.

(4) Britain has raised taxes sharply on most consumer goods and has taken steps to drastically cut down imports in an effort to relieve pressure on the pound.

While there is skepticism in banking circles as to France's ability to survive the crisis without devaluing the franc, the world can only adopt a "wait and see" attitude at this time.

THE CENTER FOR PROFESSIONAL ADVANCEMENT has scheduled the following courses during January 1969 which may be of interest: "Analytical Chemistry Instrumentation," January 13-15, tuition $155.00; "Spectral Interpretation Workshop," January 27-31, tuition $235.00; and "Air Pollution Technology," January 28-30, tuition $165.00.

Automobile Sales

SEPTEMBER 1968 motor vehicle factory sales from plants in the *United States* totaled 816,916 (passenger cars—656,430, trucks and buses—160,486). The total for September 1967 was 710,531. The total for the FIRST NINE MONTHS OF 1968 was 7,670,363 which compares with 6,458,735 for the same period of 1967.

Motor vehicle factory sales from the plants in *Canada* totaled 101,010 for September 1968 compared to 75,484 in September 1967. The total for the January through September 1968 period was 787,919 against 673,787 for the same period in 1967.

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Building

From: McGraw-Hill Information Systems Company

OCTOBER 1968—A surge of large projects in several categories carried the seasonally adjusted Dodge Index (1957-1959 = 100) of total construction contract activity to a record 200. October's total construction contracts rose to $6,171,-227,000, 19% above the amount for October 1967. All major types of construction posted large increases in October. Following the pattern established during the past several months, large utilities and commercial projects accounted for much of the gains in nonresidential and nonbuilding construction, while apartment building continued to spark residential contracting.

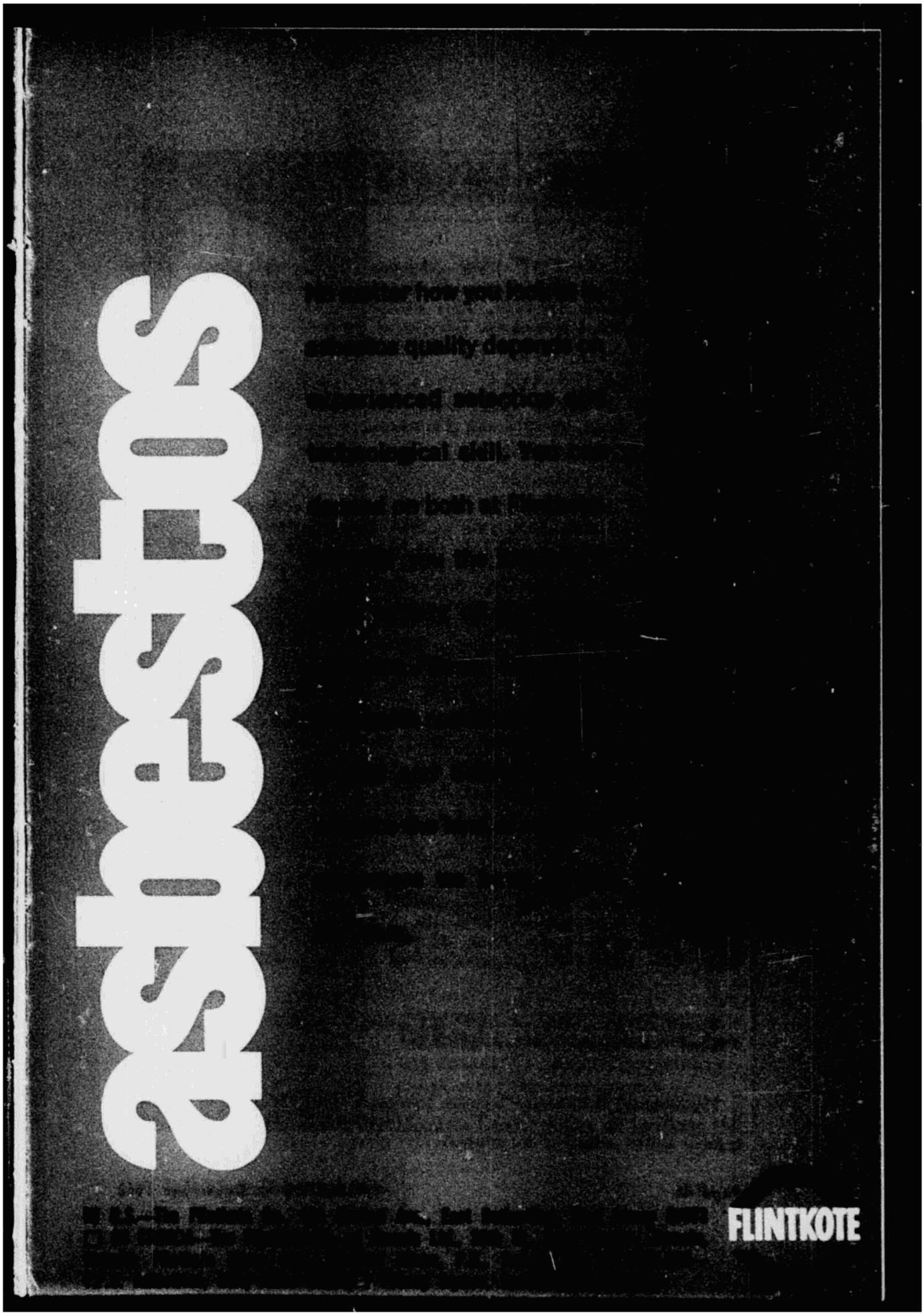
Residential building amounted to $2,408,212,000, an 18% increase over a year ago. Contracts rose 9% for single-family housing and 49% for apartments.

Nonresidential building contracts jumped 26% over a year ago to $2,369,845,000. Several big projects, including the largest store building contract ever let, lifted the value of store and warehouse contracts 71% above the October 1967 level. Office contracts were up 84%. Manufacturing building contracts dropped 30%.

Nonbuilding construction reached $1,393,170,000, 8% above last October. Two electric generating projects accounted for more than one-third of this amount. Street and highway contracts dropped sharply to the lowest level since April 1967. The cutback in road contracting is a result of a $200 million freeze in spending from the highway trust fund and it represents a temporary postponement in outlays for this type of construction.

THE BAUER BROS. CO., of Springfield, Ohio and Brantford, Ontario, Canada, recently held its first company-wide sales meeting since becoming a subsidiary of Combustion Engineering, Inc. Bauer's many new technological developments, its widening product line and its recent affiliation with C-E were emphasized. New Bauer products discussed included the Hydrasieve for dewatering low consistency slurries, coolant clarifier for removing swarf from water soluble grinding coolants, molded cleaners and the 900 and 418 type pulp refiners. New developments in extraction, digestion and other processes were also covered.

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PRODUCTION - IMPORTS - EXPORTS

Canada—AUGUST 1968 asbestos production amounted to 132,993 short tons (Quebec—121,370; Newfoundland, Ontario and British Columbia—11,623). This compares with the August 1967 total of 133,293. (Dominion Bureau of Statistics, Ottawa)

South Africa—FIRST QUARTER 1968 production of asbestos totaled 63,830 short tons: Amosite, 23,207; Chrysotile, 9,744; Cape Blue, 29,391; and Transvaal Blue, 1,488. (Department of Mines, Johannesburg)

Turkey—During 1967, asbestos output totaled 3,257 metric tons, compared with 3,630 tons in 1966. Imports decreased in 1967 to 5,884 tons, valued at $1,204,333. The figure for the previous year was 6,673. Principal suppliers were the United Kingdom, U.S.S.R. and Canada. No exports were reported in 1967.

Turkish Mineral Exploration had asbestos drilling projects underway during the year 1967 at Mihaliccik (near Sivrihisar) and near Urla, a village on the Karaburun Peninsula. (Mineral Trade Notes, November 1968)

Australia Imports—According to the Commonwealth Bureau of Census and Statistics, Canberra, 14,494 short tons of asbestos were imported in the FOURTH QUARTER 1967, valued at $1,811,000. The figure for the YEAR 1967 was 52,702 short tons, valued at $6,448,000. For the FIRST QUARTER 1968, 15,099 short tons were imported, valued at $1,806,000.

South Africa Exports—FIRST QUARTER 1968, exports of asbestos totaled 58,354 short tons, valued at R6,496,802. The breakdown is as follows: Amosite, 18,864, R1,865,821; Chrysotile, 6,321, R459,358; Cape Blue, 32,348, R4,061,465; and Transvaal Blue, 821, R110,158. (Department of Mines, Johannesburg)

South Africa exported R757,332 worth of asbestos to Canada in 1967. The value for 1966 was R761,417.

Hyderabad Asbestos Cement Products Ltd., Hyderabad, India, has received an order from Czechoslovakia for a supply of asbestos-cement slates valued at R1,100,000.

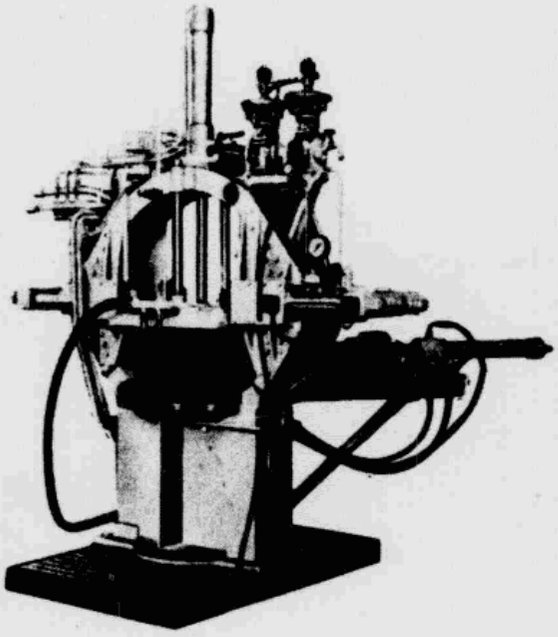
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Exports From U.S.A.

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

Unmanufactured Asbestos:

		AUGUST 1968	
Crude & Spinning Fibers	s.tons	99	$ 24,716
Non-Spinning Fibers	s.tons	2,659	383,732
Waste & Refuse	s.tons	2,400	263,091
		5,158	$ 671,539

Manufactured Asbestos Goods:

A-C Shingles & Clapboard	Lb	1,781,358	$ 152,931
Other A-C Articles	Lb	1,640,692	176,638
Gaskets & Packing	Lb	399,729	492,355
Textiles & Yarns	Lb	350,636	143,044
Mfrs. other than Friction Materials		..	425,498
Clutch Facings & Linings for auto use.	No	204,111	230,397
Clutch Facings & Linings, Other	No	101,808	81,639
Brake Linings for automotive use	Lb	534,319	287,131
Brake Linings, Other	Lb	141,479	131,043
			$2,120,676

Exports From Canada

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

Unmanufactured Asbestos:

	Crude	Milled Gp 3	Milled Gp 4&5	Shorts Gp 6-9
		Short Tons		
United States	..	1,210	12,655	39,562
United Kingdom	..	555	2,289	4,330
South America	..	17	6,123	2,209
Central America & Mexico	..	15	2,874	540
Europe	2	1,147	27,765	13,196
Japan	9	383	3,286	7,818
Other Countries	..	72	10,714	6,364
	11	3,399	65,706	74,019

Total unmanufactured asbestos, 143,135 tons, valued at $19,020,000.

Manufactured Asbestos Goods:

Asbestos Brake Linings & Facings	$ 65,000
Asbestos-Cement Building Materials	129,000
Asbestos Basic Products, Other	88,000
	$282,000

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MINES AND MILL IN GILA COUNTY

Asbestos Magazine, 1968, December 1968
ACL Doc 12620 · Page 53 of 67
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INDUSTRY NEWS

HAPPY BIRTHDAY

Faustin J. Solon, Jr., Vice President for Advertising and Public Relations, Johns-Manville Corporation, New York City, December 18.

George J. Pecaro, President, The Flintkote Company, New York City, December 20.

Harry C. Redstone, Executive Vice President & Secretary, Asbestos Distributors, Inc., Port Chester, New York, December 20.

Edwin E. Hokin, President, Unarco Industries, Inc., Chicago, Illinois, December 21.

Robert L. Clark, Treasurer & Chairman, The Clark Asbestos Company, Cleveland, Ohio, December 22.

James H. Binns, President, Armstrong Cork Company, Lancaster, Pennsylvania, December 23.

F. S. Donnelly, Vice President & General Manager of International Operations, Armstrong Cork Company, Lancaster, Pennsylvania, December 23.

A. J. Matlin, Director of Engineering, Philip Carey Corporation, Cincinnati, Ohio, December 23.

Donald G. Hamme, Director of Research, National Gypsum Company, Tonawanda, New York, December 24.

John Clarke Dempsey, Vice President, Armor Products, Inc., New York City, December 27.

J. C. McKendry, Jr., Vice President, Niagara Asbestos Company, Buffalo, New York, December 27.

M. J. Warnock, Chairman of the Board, Armstrong Cork Company, Lancaster, Pennsylvania, December 28.

Perry A. Martinson, General Manager, Celite Division, Johns-Manville Corporation, New York City, December 29.

F. P. Parkes, Managing Director, Small and Parkes Limited, Hendham Vale Works, Manchester, England, December 29.

Robert G. Lillibridge, Director of Research and Engineering Planning, Philip Carey Corporation, Cincinnati, Ohio, December 31.

John L. Cole, Works Superintendent, Wunderlich Limited, Sydney, Australia, January 1.

C. R. Harris, Mill Superintendent, Cassiar Mine, Cassiar Asbestos Corporation Limited, Cassiar, B.C., Canada, January 1.

Vincent W. Drumb, Area Supervisor of Industrial Relations, GAF Corporation, New York City, January 2.

Noel W. Hendry, General Sales Manager, Asbestos Fibre Division, Johns-Manville Corporation, Asbestos, Quebec, Canada, January 2.

Robert G. Beldam, Chairman & Managing Director, Beldam Asbestos Company Limited, Hounslow, England, January 3.

Octave Mousseau, Vice President & Secretary-Treasurer, Bell Asbestos Mines Ltd., Thetford Mines, Quebec, Canada, January 3.

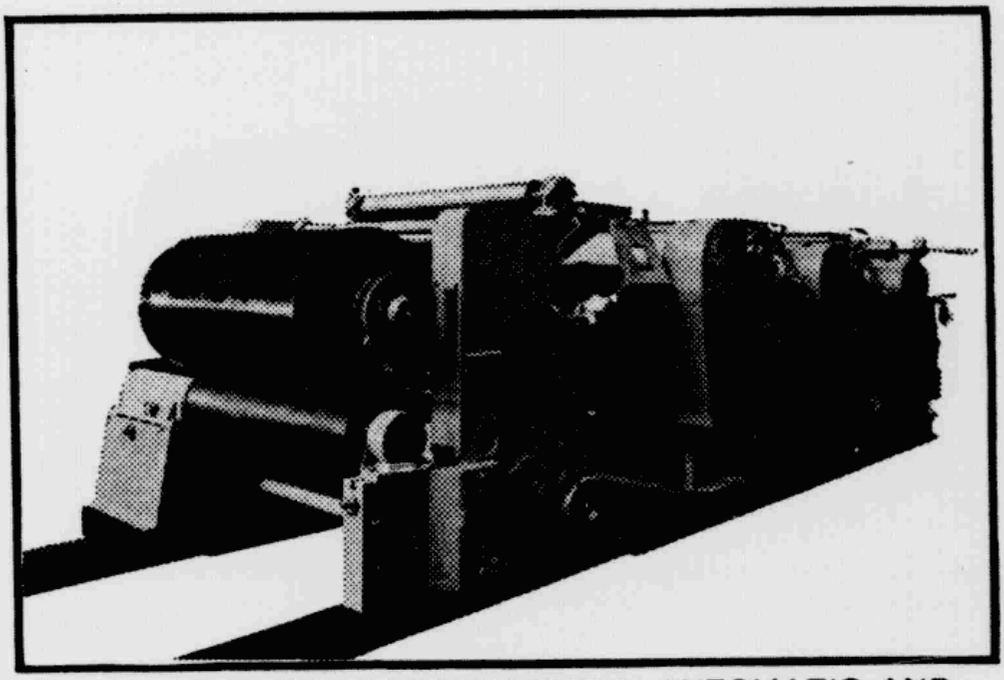
R. St. G. Riley, Managing Director, Cape Asbestos Fibres Limited, London, England, January 6.

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M. E. McCrosson, Assistant to Works Manager, Thermoid Division, Russell Works, H. K. Porter Company, Inc., Middletown, Connecticut, January 7.

Charles E. Tennesson, Jr., President & Chief Executive Officer, Philip Carey Corporation, Cincinnati, Ohio, January 8.

Edward H. Wells, General Manager, Packings and Friction Materials Divisions, Johns-Manville Corporation, New York City, January 8.

Andrew J. Wallner, Director of Traffic, Johns-Manville Corporation, New York City, January 10.

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

Safety in Mineral Industries, an annual Mineral Industry Survey, has been prepared by the U. S. Bureau of Mines and offers statistics on injury experience and worktime in the mineral industries of the United States for the years 1966 and 1967. According to this report, the overall safety record of the mineral and mineral-fuel industries in 1967 was slightly improved over the previous year.

Mining Explained has been published by *Northern Miner Press Limited* and is available at $1.50 per paperback copy and $3.00 for a deluxe bound copy. It is the successor to "Mining Explained in Simple Terms," has been completely revised and contains 272 pages. Its purpose is to explain, in everyday language, the basic mode of operation of the complex and highly technical mining business. The book discusses exploration procedures, mining and milling operations, marketing of metals and minerals, mine finance and investment and how to understand financial statements of mining companies. Extensive glossaries on mining, financial and brokerage terms are also included.

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ASBESTOS STOCK QUOTATIONS

	Close—November 29, 1968		
Abex	47½	Glen-Alden	15⅞
Advocate	*$3.00	G-Alden (pfd 3.15)	119½
Asarco	94	G-Alden (pfd 3)	110
Armstrong Cork	82	G-Alden (pfd 2.25)	55
Arm. Cork (pfd 3.75)	64¾	Grace	49½
Asbestos Corp.	*$22.75	Gulf & Western	58¾
Bendix	51⅞	G&W (pfd 1.75)	185
Bendix (pfd 3)	78¾	G&W (pfd 3.50)	232
Carlisle	37⅞	G&W (pfd 3.87)	96¾
Cassiar	*$16.12	G&W (pfd 5.75)	76⅝
Certain-teed	38½	Johns-Manville	80¾
C-teed (pfd .90)	38	Maremont	20¾
Conwest	*$9.30	National Gypsum	68¾
Flintkote	34	Patino	*$33.00
F-kote (pfd-A 4.50)	91⅛	Raybestos	58⅝
F-kote (pfd-B 2.25)	42½	Unarco	16
GAF	31¼	Union Carbide	47¾
GAF (pfd 1.20)	40⅝	Uniroyal	65¼
Garlock	24	Uniroyal (pfd 8)	124

*Canadian currency

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

The Mineral Industry of Cyprus (5c)—The mineral resources of Cyprus are an important factor in the country's economy inasmuch as mineral exports represent about 44% of the value of total domestic exports and they continue to be a principal source of foreign exchange. Mining contributed about 6% to the estimated 1967 gross national product of $402 million. Asbestos is listed as one of the important nonmetallic minerals of Cyprus and although the bulk of the important minerals are sold to the European market, some asbestos is sold domestically. Asbestos accounted for 9% of the total of mineral production in 1966. Production of asbestos in 1967 was estimated at 24,000 metric tons. In 1966, exports of crude asbestos reached 19,191 metric tons and went to the United Kingdom, Denmark and Thailand. Imports of asbestos in 1966 totaled 2,165 metric tons and came from Yugoslavia and Bulgaria. Cyprus Asbestos Mines Limited quarried 2.5 million tons of rock in 1966 and milled half this output to produce almost equal tonnages of long and short fiber asbestos. Most of this production was exported but a small amount was used in the manufacture of flat and corrugated asbestos sheeting and molded goods.

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ASBESTOS PRICES

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

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

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

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

(As of January 1, 1969) Canadian Currency

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

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

(As of January 1, 1968) Canadian Currency

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

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

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

Group No. 3 (spinning & filtering)	$ 356.00	to	$ 382.00
Group No. 4 (shingle fiber)	195.00	to	331.00
Group No. 5 (paper fiber)	143.00	to	165.00
Group No. 6 (waste, stucco or plaster)	..		106.00
Group No. 7 (shorts & floats)	49.00	to	89.00

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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, D.C. 20231, at a cost of 50c each. Remittance should be in coin, currency, or check and the number of the patent, name of inventor and date of issue should be shown.

U.S. Patents issued from October 15 through November 12, 1968.

3,406,030—Method for the Production of a Hard-Porosity, Lime-Silica Porous Body, R. Peraudin, C. Perrin & G. Seris (assigned to L'Air Liquide, S.A. pour l'Etude et l'Exploitation des procedes Georges Claude), October 15, 1968.

3,407,086—Asbestos-Cement Product and Process, W. E. Voisinet (assigned to National Gypsum Company, Buffalo, New York), October 22, 1968.

3,407,137—Removal of Surface Active Agents from Hydrocarbons and the Like Using Chrysotile Asbestos Fibers, T. H. Sadler (assigned to Johns-Manville Corporation, New York City), October 22, 1968.

3,408,316—Preformed Thermal Insulation Material and Binder for Molding Same, A. P. Mueller & B. Asher (assigned to Philip Carey Corporation, a corporation of Ohio), October 29, 1968.

3,409,499—Chrysotile Asbestos Fiber Dispersion Including Monocarboxylic Acid, W. H. Dresher & A. W. Naumann (assigned to Union Carbide Corporation, New York City), November 5, 1968.

3,410,276—Tobacco Composition, B. F. Armbrust, Jr. & V. G. Carithers (assigned to Reynolds Metals Company, Richmond, Virginia), November 12, 1968.

3,410,751—Opening Up Asbestos with Dimethylsulfoxide, O. A. Battista (assigned to FMC Corporation, New York City), November 12, 1968.

3, 410,802—Process and Composition for Etching of Copper Metal, K. F. Radimer & F. E. Caropreso (assigned to FMC Corporation, New York City), November 12, 1968.

Asbestos Mines 1965 (Catalog No. 26-205) is now available at 50c per copy from the Dominion Bureau of Statistics, Ottawa, Canada. The data presented in this annual report reflect the full implementation of the revised Standard Industrial Classification and the New Establishment Concept including an extension of the latter to cover total activities of mining establishments.

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Benjamin Foster Company

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Gebr. Wehrhahn
Wurttembergische Filztuchfabrik D. Geschmay GmbH

Cyprus Annual Report for the year 1967 has been prepared by the Senior Mines Officer, Nicosia, Cyprus. This comprehensive report includes data on the various activities within the Cyprus Asbestos Industry.

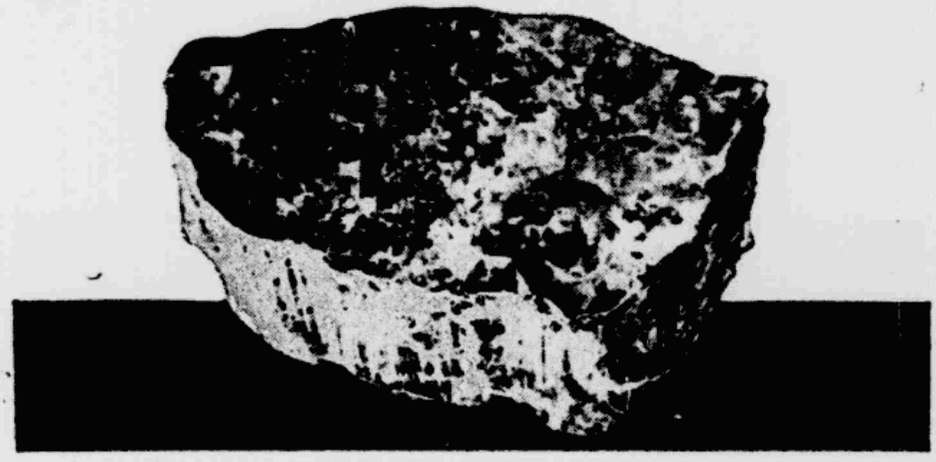
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Crude Asbestos is the rock on which our business is built. In the Scandura Factories at Cleckheaton and West Auckland it is used to manufacture everything for which asbestos is best, from yarns and cloths to all types of jointings and packings. Our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

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