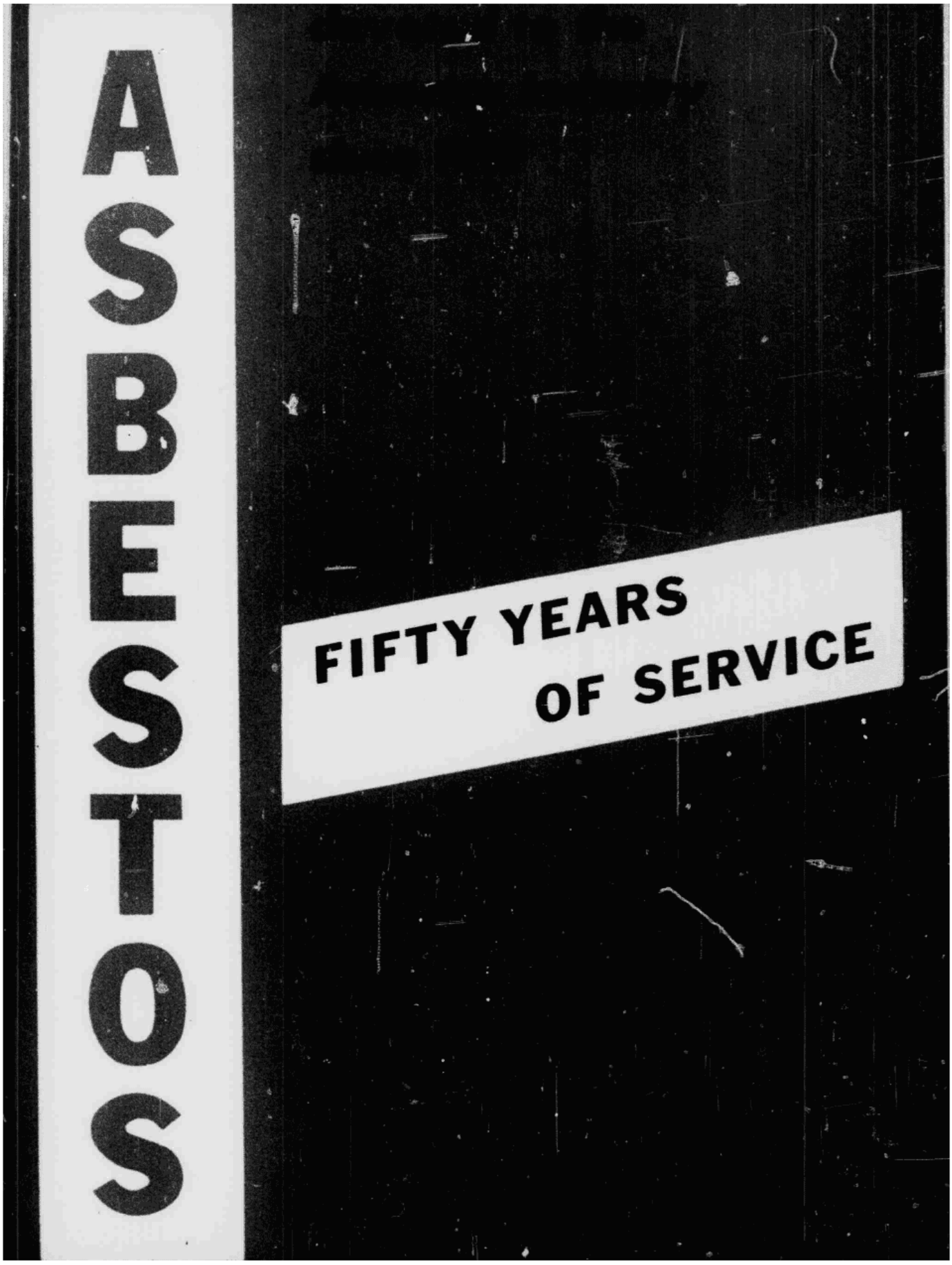
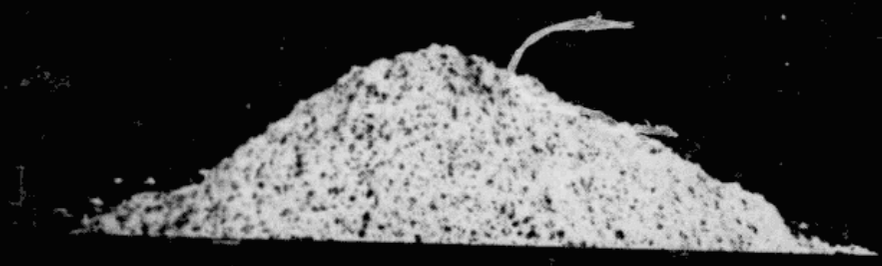

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ASBESTOS

VOLUME 51 AUGUST 1969 NUMBER 2

FOUNDED JULY 1919 AND PUBLISHED MONTHLY SINCE THAT DATE

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ASBESTOS is indexed regularly by Engineering Index, Inc.

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

PROPRIETOR: Stover Publishing Company

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

SUBSCRIPTION RATES—United States, $3.00 per year; All Other Countries, add $1.00 for postage; Current Copies, 25 cents each; Back Copies, 35 cents each; payable in U.S. Funds to:

ASBESTOS, 131 North York Road (P. O. Box 471)
Willow Grove, Pennsylvania 19090 Telephone: 215-659-0134

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

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Asbestos Magazine, 1969, August 1969
ACL Doc 12628 · Page 3 of 60
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MAN ON THE MOON

("That's One Small Step for a Man, One Giant Leap for Mankind," Neil Alden Armstrong)

One of man's most cherished dreams culminated on July 20, when American astronaut Neil Armstrong became the first human to set foot on a heavenly body other than Earth. Armstrong and his companion, Edwin Aldrin, spent over two hours walking on the surface of the Moon, collecting rock samples, setting up scientific experiments, taking pictures and cavorting around in truly unearthly leaps and bounds. Their subsequent successful lift-off, docking with the Apollo command module piloted by Michael Collins, and their return to Earth on July 24 completed an almost letter-perfect mission.

So much has been written, pictured and spoken about this technological triumph that there is little we can say except to congratulate the astronauts on their skill and daring and to offer the highest praise to NASA and the many thousands of contractors and their personnel who have worked together so faithfully and effectively to make this great feat possible.

In the excitement of the moment, this has been cited by many as the greatest achievement in the history of man. As a "spectacular," particularly in light of the fantastic view of the Moonwalks provided by highly sophisticated television to millions of watchers on Earth, there is no doubt this was the most exciting moment in history to the man-on-the-street because he saw it happen. As a demonstration of the application of the "systems" approach to the handling of problems of great magnitude it was an unqualified success. No project except a war has ever involved the expenditure of so much money and manpower to attain a single, specific objective.

While no technical breakthrough comparable to the achievement of controlled nuclear fission was required for, or is likely to result from, this mission, one thing has been made quite clear. Man can reach almost any goal he desires through the utilization of the brains and hands of a multitude of people cooperatively working toward a common end, under effective management. Perhaps this lesson from the Apollo mission will prove to be of much greater value than the immediate material results of the mission itself.

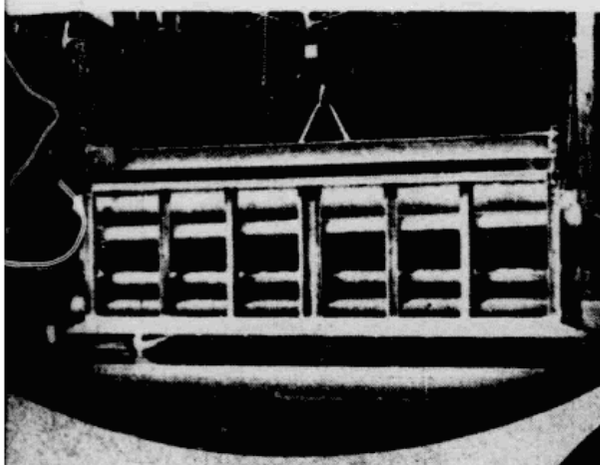
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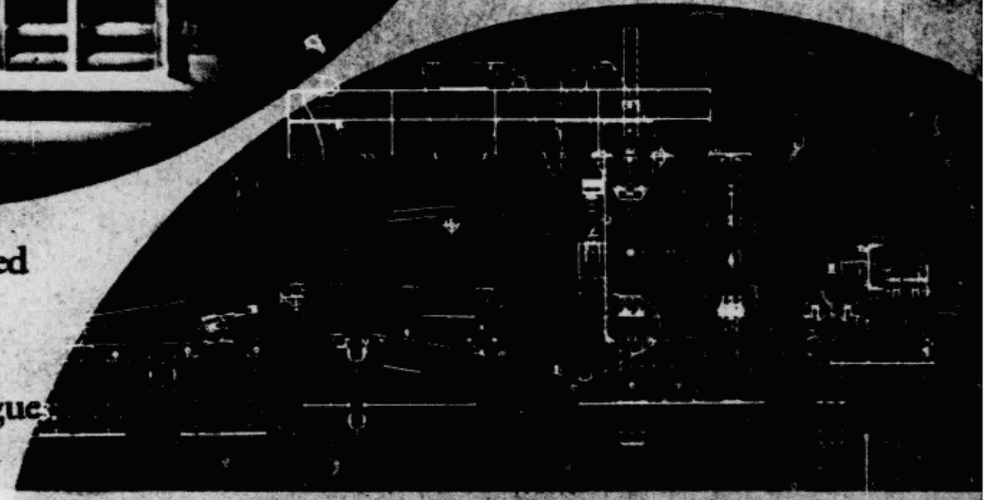


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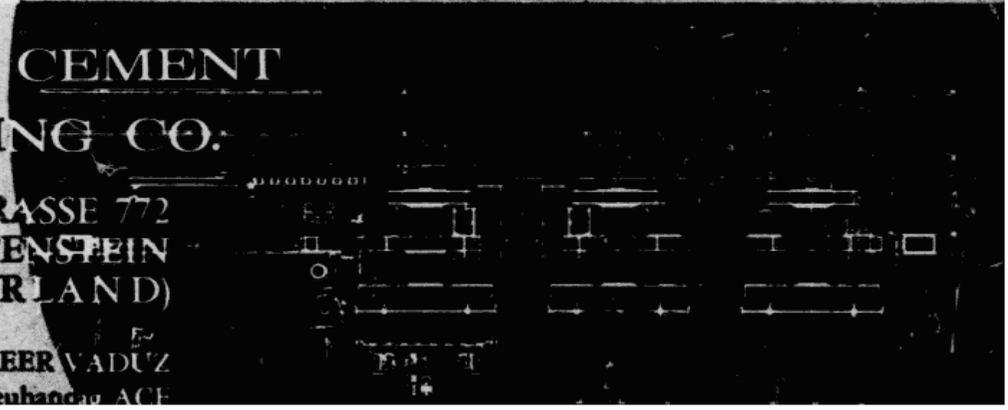


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A NEW FIBER RESEARCH LABORATORY

By: A. A. Hodgson, B.Sc., Ph.D., F.R.I.C., F.G.S.

(Cape Asbestos Fibres Limited, London, England)

Cape Asbestos Fibres Limited has recently opened a new fiber research laboratory at Uxbridge, England. This laboratory is the most up-to-date of its kind in the world and replaces the smaller fiber laboratory which operated at Barking, in London, for many years and which was well known to many of the company's customers for Amosite and Blue asbestos. Sited in the Works of Cape Universal Building Products Limited, the new laboratory has a pleasant aspect overlooking a river and the open countryside of Buckinghamshire. It is near London Airport (a journey of about 15 minutes by automobile), thus it is easily accessible for visitors to the United Kingdom.

The new research laboratory has over 550 square meters of working space on two floors. The senior staff of the laboratory planned its basic design and special operational features and the construction was handled by Munby Smith & Hampton, Architects who specialize in laboratory design. The site itself presented some problems as it is subject to vibration from both external and internal machinery in the adjacent Brickworks of Cape Universal Building Products Limited. These problems have been overcome by piling to a depth of ten meters, constructing the building on a heavy base and providing double-thickness cavity walls. The first floor and roof are supported by reinforced concrete columns and are built in reinforced concrete using the recently-developed waffle method of construction. In this, the concrete floor is molded onto a temporary structure built up from interlocking polystyrene molds in the form of inverted basins with reinforcing rods forming a continuous network between them. The molds are removed after the concrete has hardened. These details in the basic construction have made for a sturdy, vibration-free structure.

Externally, the building is faced partly with blue-black flint bricks made by Cape Universal Building Products Limited and partly with a white Sandtex finish. The labora-

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tory is double-glazed throughout and suspended ceilings incorporating Rocksil ceiling panels (another Cape product) have been placed in most of the rooms in the building. Heating and ventilating are by forced air through ducts situated above the suspended ceilings.

The ground floor is devoted entirely to general fiber testing, which is accomplished in separate wet and dry testing laboratories. There is a workshop and a well-arranged store carrying a wide range of asbestos fibers from many deposits throughout the world.

In the design of the laboratory, special attention was given to providing a clean atmosphere and to confining the handling of bulk quantities of asbestos to limited areas. To achieve clean conditions the entire ground floor is serviced by a dust-exhaust system having a total capacity of about 85 cubic meters of air per minute. This system is connected to specially designed fiber-handling cabinets located in the two fiber testing laboratories and in the fiber store, to completely enclosed dry-screening test machines, and to various machines utilized in the workshop. The dust-exhaust filters are supplied by Dust Control Equipment Limited and are of the envelope type with shakers which automatically begin operating when the main exhaust fan is cut off. The filters and associated fan and switch gear are located in a plant-room on the ground floor—completely separate from the working areas in the laboratory.

The wet fiber laboratory has a comprehensive range of classifiers including a five-tank Bauer-McNett machine. In addition to the normal hot and cold water services, these machines are fed by a constant-temperature water supply operating at 21°C. Other tests made in this laboratory include wet volume measurement, filtration testing and fiber reinforcement, and additional adequate space exists for the installation of other apparatus.

The Bauer-McNett Classifier is the most widely-used testing machine and almost every sample submitted to, or processed in, the laboratory goes through this machine to determine its classification on a fiber-length basis.

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The reinforcement test is used to determine the reinforcing value of asbestos in asbestos-cement composites. The method is a modification of the procedure F3 "Strength in Asbestos Cement Products," detailed in the Manual of Testing Procedures for Chrysotile Asbestos Fibre, Second Edition, 1966. Thin discs of asbestos cement are prepared by filtration from a slurry and pressed to precise dimensions. After curing by the autoclave method the modulus of rupture of these discs is measured by means of a Hounsfield Tensometer. Apart from providing information about the comparative reinforcement values of different types and grades of asbestos under strictly standard laboratory conditions, the method is used to study the effect of a number of variables in the simple asbestos-cement system. These include such functions as the intrinsic surface area of the fiber, the concentration of the fiber in the composite, the variability of cement characteristics, and the effect of different curing conditions on the cement.



Bauer-McNett Classifier

The dry fiber testing room contains a Quebec Standard Asbestos Testing machine and a Rotap Dry Sieve Shaker, both machines being in enclosed dust-exhausted cabinets. Surface area tests are all made inside the fiber-handling cabinet in this room, utilizing the Rigden Air Permeability apparatus coupled to the specially-designed stainless-steel cell and press described under method 2.3 in the Manual of Test Methods for Blue and Amosite Asbestos Fibres, issued by Cape Asbestos Fibres Limited.

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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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The fiber store has several functions. It has storage facilities for bulk quantities in closed bins of 50 kg. capacity of all current production grades of Amosite and Blue asbestos distributed by Cape Asbestos Fibres Limited. These materials are mostly used for making up small samples of 1 to 2 kg. weight as requested by customers. Such samples are packed in sealed polythene bags and are completely parceled and documented before dispatch from the laboratory.

The laboratory receives samples of asbestos of all types from many sources, with requests for examination and report. The bulk samples are stored on racks for easy access and are normally kept for some six to twelve months after completion of the report. In addition, a small 30 gm. sample of every material which passes through the laboratory is put in a small sealed polythene envelope for retention. This permanent index of asbestos fibers of all types contains more than 3,000 samples covering a period from the mid-1950's to the present day.

The workshop area, apart from including a few fixed power tools and other technical facilities, contains an autoclave and a fiberizing mill. The autoclave has an integral boiler and is electrically operated from an automatic control panel. The fiberizing mill is a laboratory Pallmann Mill which, from experience, has proven to be the best type of small mill for opening amphibole fibers.

On the first floor there is an analytical laboratory, a general instrument laboratory, a physics laboratory and a microscope room. The large instrument laboratory contains facilities for Infra Red Spectrometry, thermal analysis, and color measurement, together with many other standard types of laboratory equipment. These techniques, and the facilities of the analytical laboratory, enable comprehensive studies to be made of the chemical properties of asbestos in relation to its varied applications. Also, as is often the case, the laboratory is called upon to identify certain kinds of asbestos with regard to type and point of origin and, with the aid of accumulated knowledge of the properties of asbestos, it is rare that a positive identification cannot be made. The microscopy section, while having a wide range of techniques for air-borne dust assessment, also has complete instrumentation for the mineralogical examination of asbestos fibers.

Another study made in the laboratory is a long-term

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You may get a rubber stamp with your next Bauer Hurricane Pulverizer-Classifier

This is a customer's idea. Ordering his third Hurricane was practically a rubber stamp routine, he said, because of the excellent record established by his first two units. As most of the more than 100 Hurricanes now in use represent repeat orders, other customers apparently agree with his logic. Nearly 70 of these air attrition mills are processing nonmetallic minerals. One major asbestos producer now uses 21 units! Applications include opening shorter grades of fibre to controlled levels, processing groups 5, 6, 7, as well as floats and tailings, and extracting impurities from usable fibres. If you haven't ordered your first Hurricane yet, may we send you one . . . complete with rubber stamp for reordering? **The Bauer Bros. Co.**, Springfield, Ohio 45501, and Ontario, Canada.

BAUER A subsidiary of Combustion Engineering, Inc.



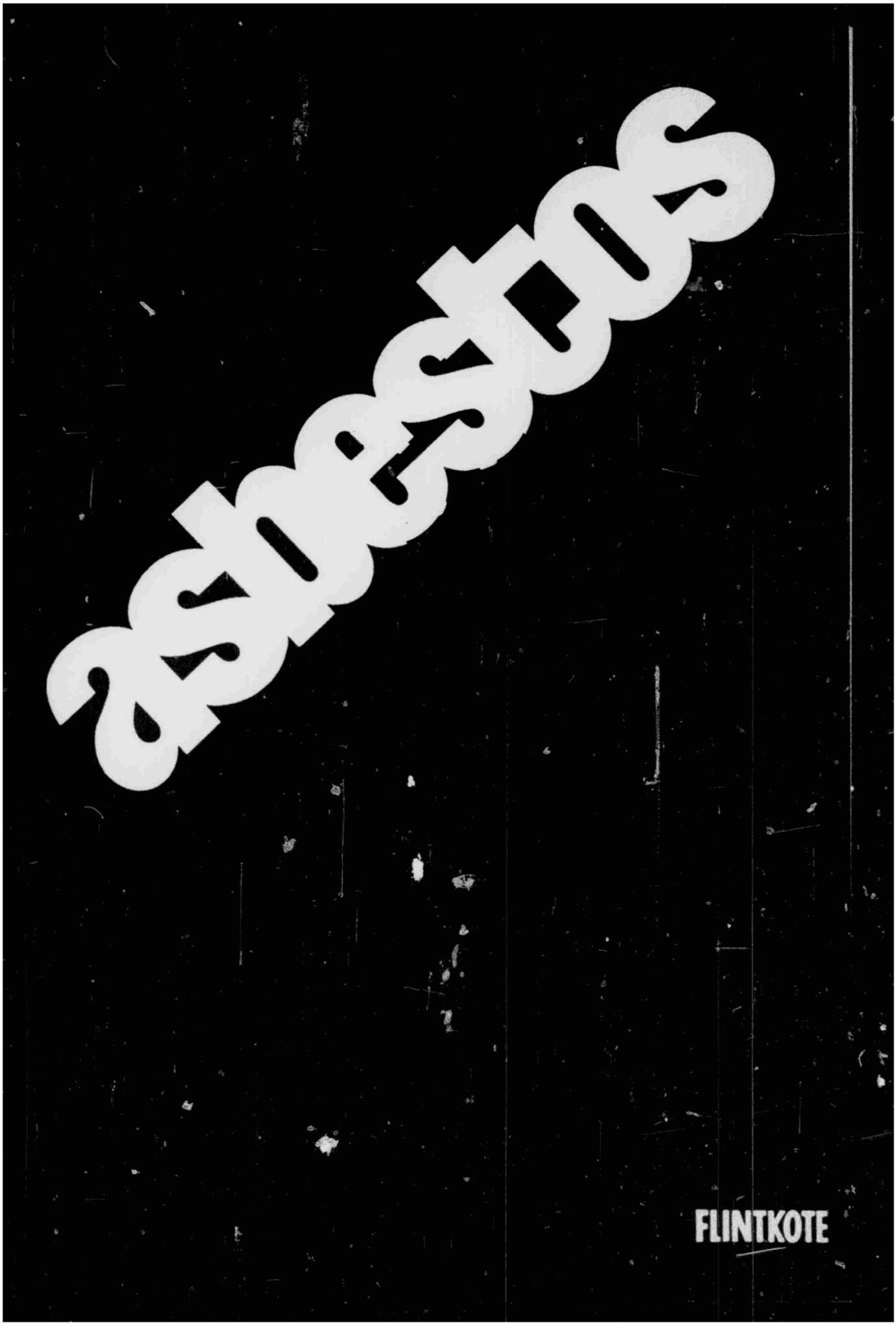
research program devoted to the tensile behavior of asbestos fiber under various conditions of temperature and atmosphere. Part of this work was reported at the Oxford Conference on Asbestos in 1967. The laboratory is also concerned with an investigation of the Zeta Potential of asbestos fiber using the streaming potential method. Although this is a difficult technique, the results are held to be important for understanding the action of asbestos fibers in applications involving wet processes.

At present a considerable portion of the work-load of the laboratory is concerned with the measurement of air-borne asbestos dust. The main responsibility here is for the evaluation of methods and techniques which can be accepted for routine purposes in factories and similar environments. While the expertise exists in the laboratory for the measurement of air-borne dust concentrations by the visual counting of particles collected on filter membranes, there is a considerable demand for a rapid or automatic means of assessment. It is, therefore, part of the laboratory's function to examine various makes of continuous-dust monitors and optical devices which offer the possibilities of automatic counting, and to study the feasibility of rapid analytical or gravimetric methods of assessment.

The main office suite and a small conference room and library are also located on the first floor. The library already contains an extensive documentation of asbestos and it is intended that this should be made fully comprehensive in due course. In matters of administration, the collating of test data is most important. The continuous flow of fiber-test information through the laboratory inevitably means that a vast number of results are recorded in report form or otherwise. Simple but careful documentation is required to facilitate retrieval of this information. Each sample that enters the laboratory is given a serial number, and before any tests are made a working data sheet is prepared which may form the basis of a final report. The essential information from the working sheet is recorded on a two-card index. One card is subdivided according to the type of asbestos and locality and the other card records the most important fiber tests with divisions of grade of fiber—the serial number of the sample being a key factor to information.

This new fiber research laboratory will provide a tech-

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asbestos
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nical service to users of Amosite and Blue asbestos on a wide scale. It also possesses the necessary facilities to enable advice to be offered on matters of fiber testing and the utilization of other forms of asbestos. The objectives of the laboratory lie in the field of amphibole asbestos technology and this new center is essentially complimentary to those similar laboratories in the United Kingdom, Canada, United States and Russia which specialize in Chrysotile asbestos technology.

THE FRICTION MATERIALS STANDARDS INSTITUTE, INC. held its Annual Meeting on June 18, 1969, at the Doral Country Club, Miami, Florida. The following officers were elected to serve for the year beginning July 1, 1969: President, Stephen S. Conway, Jr., of the American Brakeblok Division of Abex Corporation; Vice President, Joseph W. Greenen, of the Grizzly Brake Division of Maremont Corporation; Treasurer, Alexander J. Bette, of Johns-Manville Corporation; and Secretary, Miss Harriet G. Duschek. Other members of the Board of Directors are John H. Kelly of the Friction Materials Division of The Bendix Corporation, Frank T. Gatke of Gatke Corporation, William J. Vachout of the Molded Materials Division of Carlisle Corporation, and James L. McGovern, Jr. of the Raybestos Division of Raybestos-Manhattan, Inc.

Members of FMSI are manufacturers of brake linings and support Periodic Motor Vehicle Inspection and the removal of brake drums to inspect braking contact surfaces. They are working very closely with Federal Authorities on the establishment of quality brake lining performance standards.

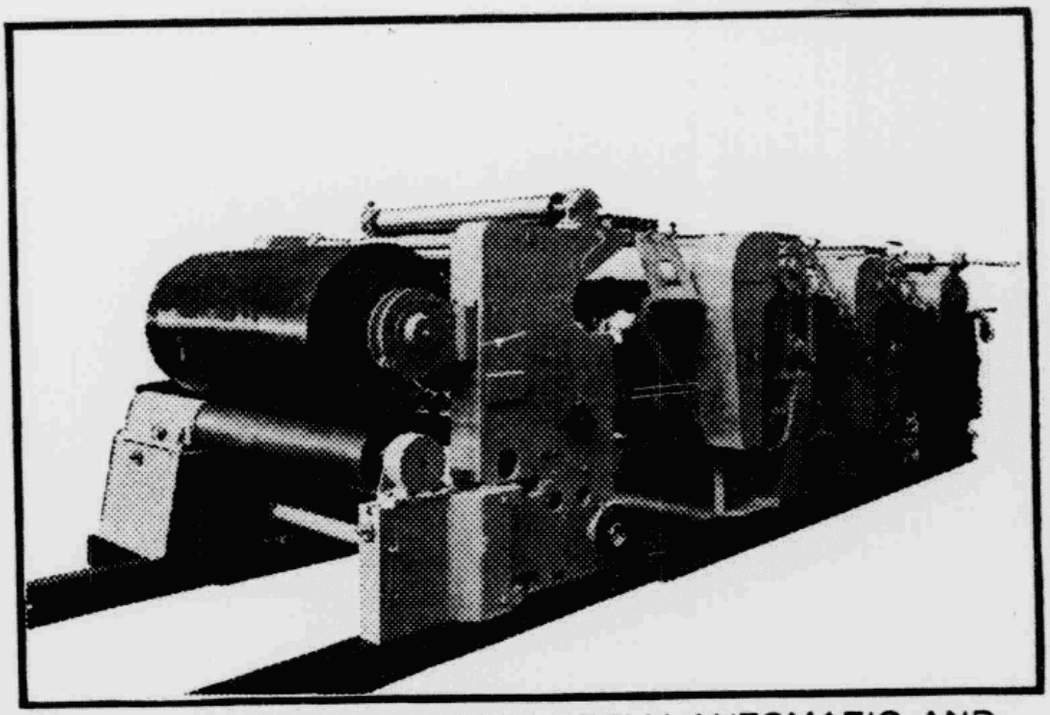
SWICA FALL MEETING—The Fall Meeting of the Southwest Insulation Contractors Association will be held September 25-26, 1969, at the Sheraton-Dallas Hotel, Dallas, Texas.

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Nicolet's Saturating Facility

Nicolet Industries, Inc., Ambler, Pennsylvania, is operating a new saturating facility for pipe line felt which is housed in a 3,200-square-foot building at its Hamilton, Ohio, plant. The company has also constructed a 20,000-square-foot addition to the original plant. The new saturator incorporates advanced instrumentation and remote control technology and is designed to provide the greatest operating capacity and the tightest quality control.

In the saturating operation, untreated paper in 8,000-foot and larger rolls is automatically fed into the large saturating tank. Coal tar or asphalt penetrates and thoroughly saturates the asbestos paper making it easy to handle and more durable against the rigorous conditions it will encounter in underground and sub-marine pipe coating applications. Maintaining precise control of temperatures in the saturating tanks is a critical operation. The unit's new integrated control system automatically maintains operating temperatures on a constant basis by compensating for emergency variation in roll speed. Directly following the saturating operation, the rolls are moved into curing areas and then into the final rewind to be slit and packaged to customer specifications. Individual rolls are encased in a kraft-asphalt/kraft-paper which has a layer of foil laminated on the inner face. The roll ends are then sealed with reinforced tape to provide maximum protection against damage during transport to the job site.

The addition of the new saturating facility gives Nicolet the advantage of manufacturing asbestos pipe line felt from the basic product to the finished saturated material in a single, continuous operation.

BENJAMIN FOSTER COMPANY, after 13 years of successful operation and rapid growth as a wholly-owned subsidiary of Amchem Products, Inc., has merged into Amchem and will operate as the *Benjamin Foster Division of Amchem Products, Inc.* The Foster organization manufactures and markets industrial adhesives, coatings and sealants. Amchem is a division of Rorer-Amchem Inc., a holding company, and operates 8 manufacturing plants in the United States and Canada.

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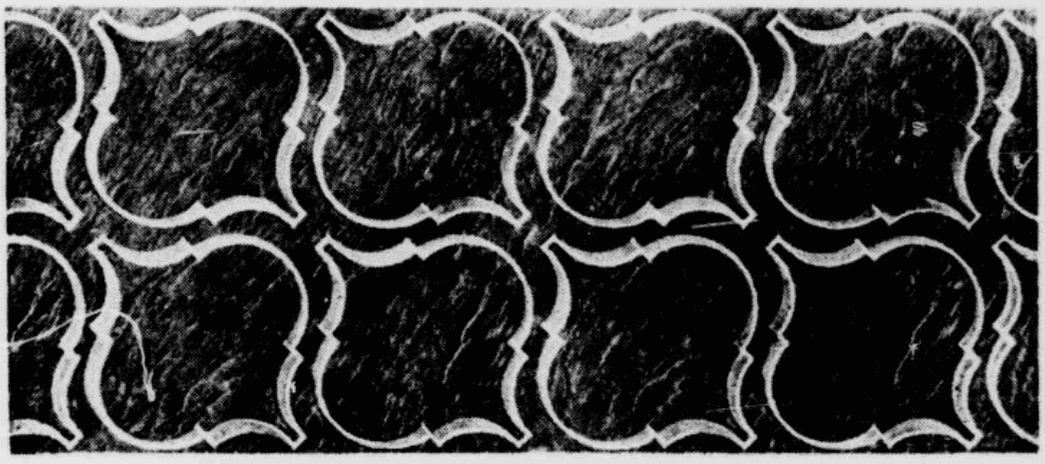
The reason you'll find our asbestos in Marrakech is pure and simple. When fortified with asbestos fibers, Vinylcraft tiles wear like—well, like asbestos. Even under the most challenging conditions.

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AC AND S, INC. has been officially adopted as the new name of the company formerly known as *Armstrong Contracting & Supply Corporation.*

NATIONAL GYPSUM DIVIDEND—On July 1, 1969, the Board of Directors of National Gypsum Company declared a regular quarterly dividend of $1.12½ per share on its preferred stock payable September 1 to holders of record August 11.

THERMOBESTOS LD, a new molded pipe fitting insulation for use with J-M's Thermobestos pipe insulation, has been announced by *Johns-Manville Corporation.* It is furnished to cover 90° elbows in both screwed and long-radius welded types for ½" through 2½" iron pipe sizes. It will subsequently be available in larger IPS through 12". The new molded product reduces dust and damage resulting from cutting and handling and provides users with a Thermobestos insulation system requiring little or no field fabrication. It is recommended for use on outdoor and indoor piping in the power generation and process industries.

In Memoriam

WILLIAM M. MURFIN, Chairman of the Board and Chief Executive of B & B Engineering and Supply Company, Houston, Texas, died June 27, 1969, after a lengthy illness. He was 52.

In 1941, Mr. Murfin founded the insulation contracting firm and watched the company grow from one small office to a multi-million-dollar, five-state organization. In May of this year, B & B merged with American Machine and Foundry Company.

Mr. Murfin was instrumental in founding several regional insulation contractors associations and the Insulation Distributor-Contractors National Association.

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SWICA Meeting

The Southwest Insulation Contractors Association, Inc. held its 23rd semi-annual meeting, April 16-19, 1969, at the Robert Driscoll Hotel, Corpus Christi, Texas. The theme of the meeting was "There Is Strength In Unity."

The officers for the 1969-1970 year are E. H. Parker, President; H. C. Porter, Vice President; and H. T. Branton, Secretary-Treasurer.

The first guest speaker, Albert Hutchinson, General President of the Asbestos Workers Union, presented for consideration, among other items, a national apprentice training program, nationally administered by a joint committee. He also suggested a national health hazard program, for at least a five-year period, to be administered by a national joint committee.

Dr. Irving Selikoff, Director of the Insulation Industry Hygiene Research Program, gave a very comprehensive presentation describing the research efforts which began in 1924 in England and are continuing up to the present in the United States concerned with asbestos and health. His most pertinent observation was that if proper dust suppression and proper clean-up are diligently practiced and enforced, deaths from Asbestosis can be sharply reduced. If effective dust collecting devices are utilized, if dust suppressants are applied to raw materials, if materials are properly handled and if proper clean-up is enforced, then masks for workers' protection would not be necessary.

Another speaker at the meeting was Dr. I. R. Tabershaw, University of California, a leader on the west coast in the research of causes and prevention of Asbestosis. Contrary to Dr. Selikoff's theory that asbestos dust is dangerous to the general public, Dr. Tabershaw sees no danger to the public at large. He is more concerned with establishing safeguards and preventative measures for the workmen employed in the industry. In agreement with Dr. Selikoff, Dr. Tabershaw believes that prevention, not masks, is the answer to the problem.

Warren Watters, a Director of SWICA, discussed discrimination in hiring and membership in the union. J. K. Dixon, also a Director of SWICA, reminded members of several bills, either pending or proposed before Congress, with special emphasis on Common Situs Picketing.

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ALL TYPES OF ASBESTOS CEMENT MACHINERY

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CERTAIN-TEED DEVELOPMENT CORPORATION (CDC) has been formed by *Certain-teed Products Corporation* for continued research and testing of low-cost housing concepts and generation of related construction opportunities in the United States. William G. Hayes, Jr., President of *Commercial Acceptance Corporation* (CAC), a Certain-teed subsidiary, has also been named President of CDC and will coordinate the activities of the two companies. CAC will be the contractor for future construction projects arising from the research and development program of CDC. Certain-teed has been active for some time in the development of low-cost housing, employing modular construction systems designed to reduce on-site labor costs. These activities have led to negotiations with numerous U.S. cities to provide housing for low-income families.

CAC is involved in residential and commercial construction in both the U.S. and Puerto Rico, and is also engaged in development of modular construction systems. Its domestic operations are conducted through a subsidiary, *Modular Sciences, Inc.*, which builds residential and commercial structures using the modular systems approach. Modular Sciences is currently building a chain of motor inns for another CAC subsidiary, *Matador Motor Inns, Inc.* The Puerto Rican operations of CAC are conducted through a third subsidiary, *Vencedor Development Corporation.*

DUST CONTROL & AIR CLEANING EXHIBITION AND CONFERENCE will be held at Olympia, London, England, September 23-26, 1969. The new exhibition will provide a market place for the wide range of equipment needed to satisfy the demand for dust control and air or gas cleaning. The conference will cover the various aspects of dust control and air cleaning and will include sessions on such subjects as equipment selection, legal requirements, etc.

TECHNICAL COMMITTEE WEEK will be held by the *National Fire Protection Association* at the Washington Hilton Hotel, Washington, D.C., September 14-19, 1969.

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MARKET CONDITIONS

General Business.

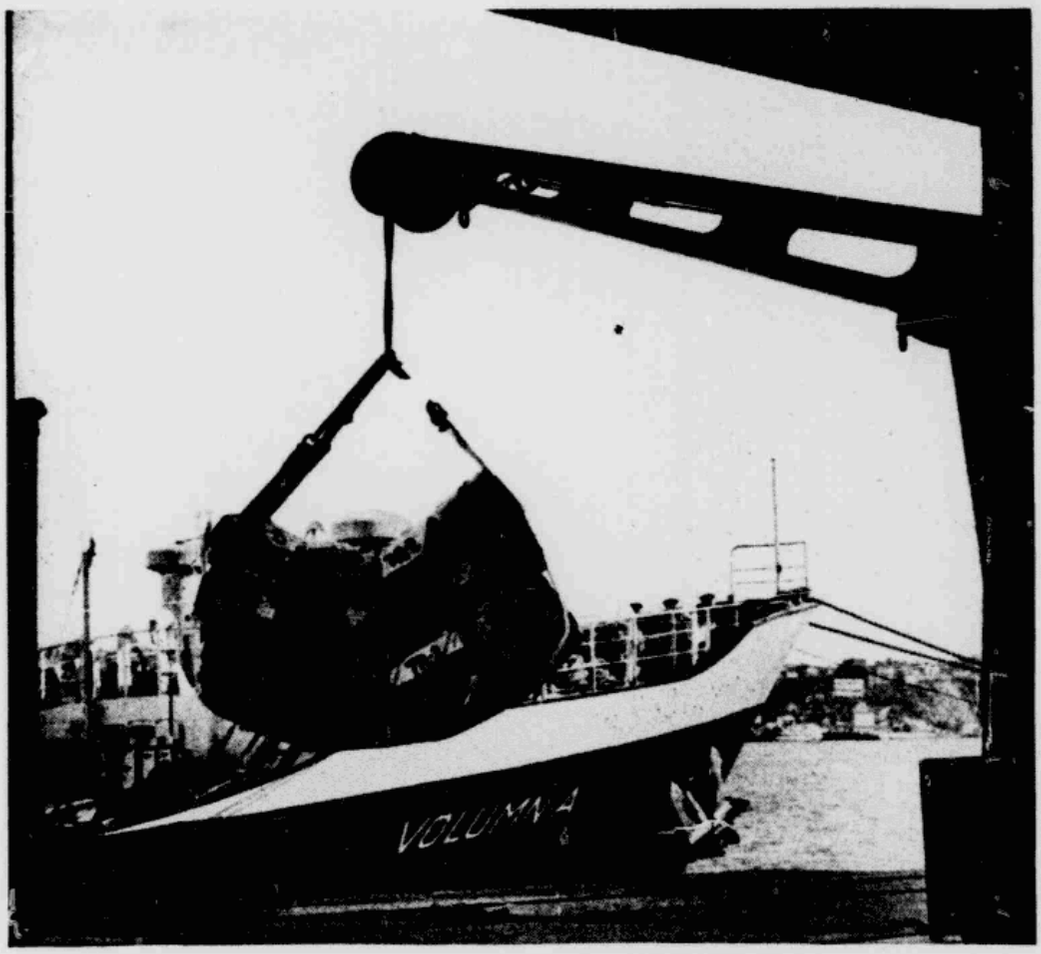
Despite the fact that price inflation still continues, as evidenced by a rise of six-tenths percent in the consumer price index for June, a healthy part of this rise was caused by increases in food costs and other prices were relatively more stable than in the recent past. Other signs point to the possible beginning of the anticipated slowdown in the economy resulting from fiscal restraints imposed by Government and the historically high interest rates being charged by lending institutions to borrowers.

The most obvious indication that people are becoming convinced the Government means business in its attempts to halt or control inflation is the continuing substantial drop in prices of stocks on all securities markets. Experts have pointed out there is a certain time lag between imposition of monetary and fiscal restraints and concrete evidence of their effectiveness. The first signs of a change in the economic climate appear in the financial sector and that appears to be the case now. Should present restraints be continued, it is expected a decline in Gross National Product will occur during the last quarter of the year. The rate of growth shown by this indicator has been slowing for some months and this trend continued in June.

Other straws in the wind, indicating a slowdown in some areas, are the reduced earnings reported by many companies for the second quarter, notably by the passenger car producers. This could indicate a profit squeeze and, in the case of the carmakers, a trend by the public toward the purchase of the smaller, lower-priced cars on which dollar profits are lower.

The Congress is still working on overall tax reforms and has not yet agreed to extend the income tax surcharge to the full extent requested by the administration. Failure to reach reasonably prompt agreement on this extension could, in the opinion of many economists, adversely affect the outcome of the battle against inflation.

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INDEX OF STANDARDS AND SPECIFICATIONS as of January 1969 and the CUMULATIVE SUPPLEMENT as of March 31, 1969, are now available from the *Canadian Government Specifications Board*, Ottawa, Canada. Included in the Index are listings for Group No. 34-GP on Asbestos-Cement Products and Group No. 51-GP on Thermal Insulation for Boilers, Piping, Machinery and Associated Uses.

SPECIFICATION FOR FIBROUS GLAND PACKINGS describes, gives a table of applications, and provides marking details of the following seven basic types of gland packings: lubricated plaited cotton packing, lubricated plaited hemp or flax packing, lubricated plaited or braided asbestos packing, indurated asbestos packing, dry, white, non-metallic plaited or braided asbestos packing, semi-metallic plaited or braided asbestos packing (brass-wire-reinforced), and lubricated fibrous asbestos packing. Copies of BS4371 may be obtained from the sales office of the *British Standards Institution* for 8 shillings each (add 9d for postage to non-members.

In Memoriam

JOSEPH H. MASTON, born April 29, 1884, passed away July 10, 1969, at Wilmington, Delaware.

Since August 1941, Mr. Maston had been Treasurer and Secretary of Anchor Packing Company, Philadelphia. Prior to that, he was Vice President of Benjamin F. Shaw Company, Wilmington, Delaware. He had been a member of the Board of Directors of the Mechanical Packing Association for many years and was widely known and highly respected by those in the packing industry, as well as in other business areas.

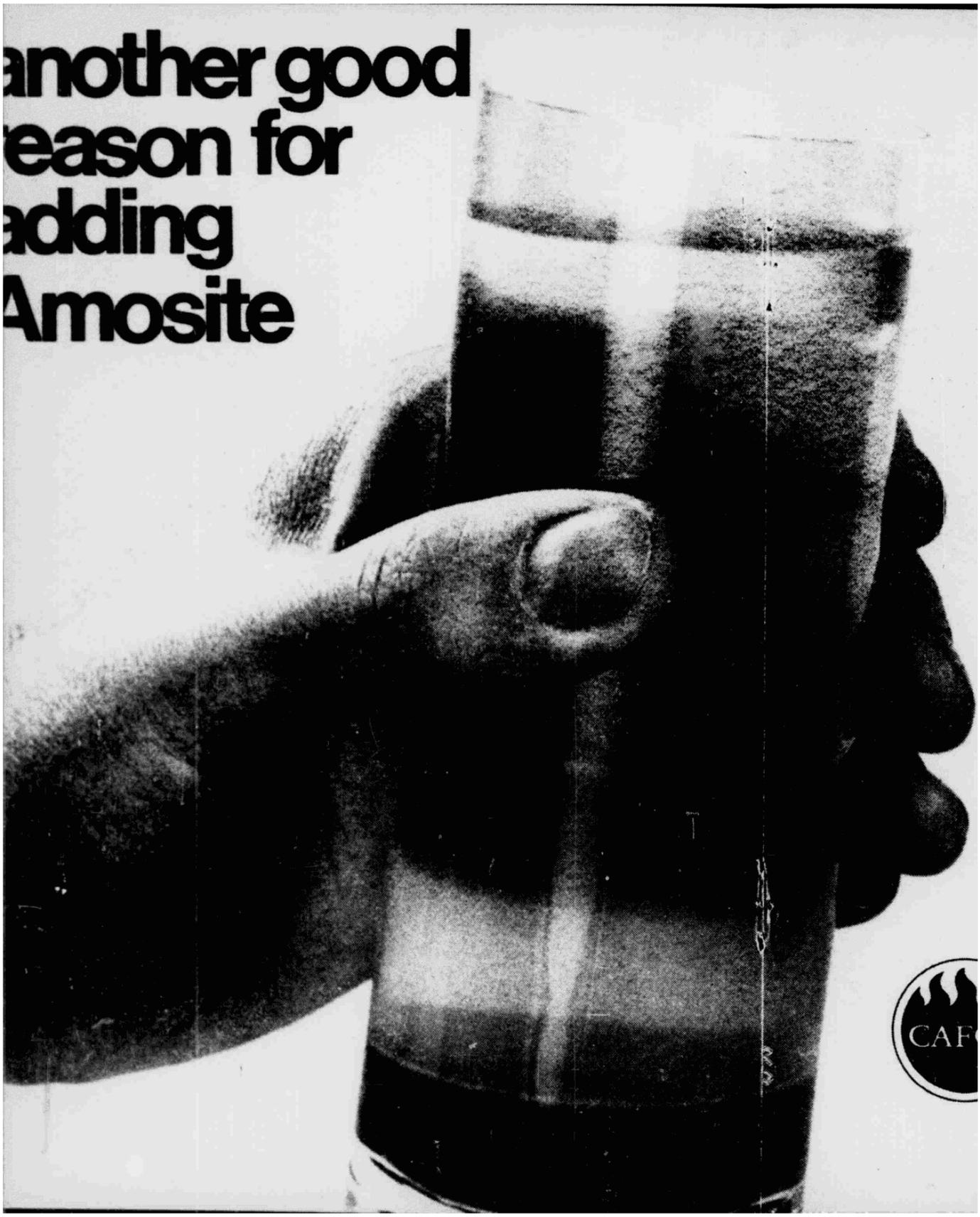
If desired, contributions in memory of Mr. Maston may be made to the American Cancer Society.

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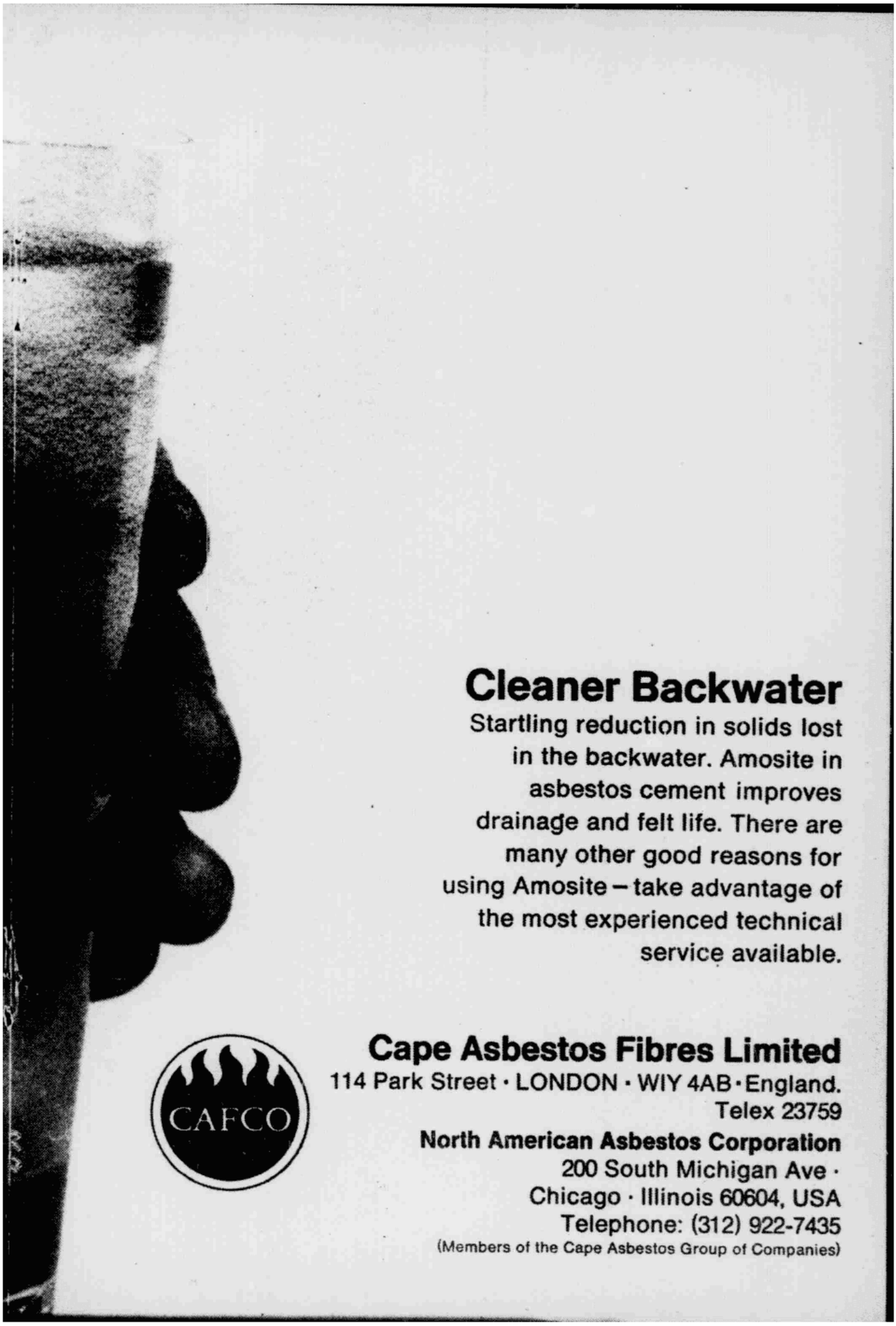
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Building

From: McGraw-Hill Information Systems Company

JUNE 1969—A lack of unusually large projects and sluggishness in some credit-sensitive categories of building pushed the value of construction contracts in June back to the level of early Spring. June's $6,254,893,000 contract total brought the seasonally adjusted Dodge Index (1957—59= 100) down 14% from the record 210 established in May. However, compared with June, 1968, contract values were up 12%. Contract activity was in line with the slight downdrift in construction that was in evidence before a spate of large projects brought on the May record. Market and credit conditions suggest some further decline through the remainder of the year, although individual months may be affected by some major construction projects.

Nonresidential building continued to hold the spotlight as contract values rose to $2,322,324,000, 14% over last June. Store building accounted for half the gain. Office, educational, hospital, public and recreational building contract values continued to rise. Contracting for manufacturing and religious buildings fell below June, 1968.

Residential contracts, at $2,462,016,000, were 10% ahead of a year ago. The number of single-family housing units fell below the year-ago level for the fifth straight month, while motel-hotel building and multi-family units continued to gain.

Nonbuilding construction contracts were valued at $1,470,553,000, 12% over last year. Highway and bridge construction continued to account for most of the gain and projects for sewer and water facilities showed good increases. Utilities contracting, which depends mainly on large projects, fell sharply below the year-ago level.

FIRST HALF OF 1969—Nonresidential, $12,823,-932,000, up 27%; Residential, $13,069,418,000, up 8%; Nonbuilding, $7,654,494,000, up 10%—Total Construction, $33,547,844,000, up 15% over the first half of 1968 which totaled $29,194,225,000.

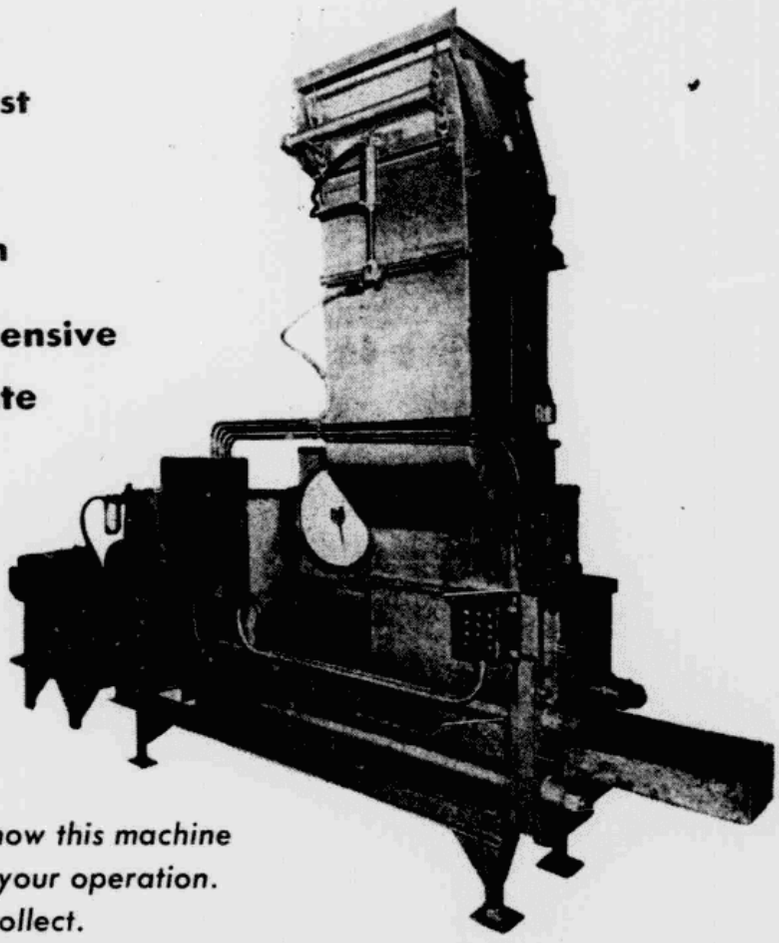
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Automobile Sales

MAY 1969 motor vehicle factory sales from plants in the *United States* totaled 861,066 (passenger cars—720,224, trucks and buses—140,842). The total for May 1968 was 1,103,478.

Motor vehicle factory sales from plants in *Canada* totaled 135,214 for May 1969 compared with 130,158 in May 1968.

JOHNS-MANVILLE CORPORATION has announced a newly-developed family of mechanical packings for centrifugal and rotary pumps. Called *Loklube Packings*, they are produced by a new process which weaves asbestos yarn, pre-saturated with new lubricating materials, into packings that can withstand higher temperatures and more severe mechanical abuse than those previously marketed. Loklube Packings are available in four styles and are recommended for temperatures to 500° F, pH ranges of 4 to 10, at a variety of speeds and PV limits. Red Loklube Style 1050R is designed for hot water service such as boiler feed pumps. Amber Loklube Style 1009A is designed for paper mills. Grey-blue Loklube Style 1012M is designed for aluminum, steel and other primary metal plants. Black Loklube Style 1003G is designed for pulp mills and other services where graphite lubricant is desirable.

7P (PAINT GUARD™), an inexpensive lightweight respirator, has been added to the respiratory protection line of *Willson Products Division*, ESB Incorporated, a leading manufacturer of safety equipment. The new respirator provides protection against non-toxic paint spray and nuisance dust. Its three main components are a contoured facepiece molded of non-irritating polyethylene plastic with elastic headband, a washable cotton facelet which is worn next to the face to prevent chafing and absorb perspiration, and a synthetic polymer foam filter which can be washed after exposure, rinsed and air dried for reuse.

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NATIONAL BUREAU OF STANDARDS will host the *Conference on Precoordination—The Basis for Industrialized Building*, at its laboratories in Gaithersburg, Maryland, September 24-26, 1969. The Conference will highlight opportunities that exist, through standardization, to increase the industrial efficiency of the building industry.

MALCOLM W. JENSEN has been named Deputy Director of the Institute for Applied Technology of the U. S. National Bureau of Standards. Mr. Jensen's position as Chief of the Office of Weights and Measures will be assumed by *Thomas M. Stabler*, who has most recently been in charge of the NBS program for replacing the weights and measures standards of the 50 states in the United States. Mr. Jensen was also Executive Secretary of the National Conference on Weights and Measures and this office has been assigned to *Harold Wollin*, the Assistant Chief of the Office of Weights and Measures. Mr. Jensen will retain his duties as Manager of Engineering Standards.

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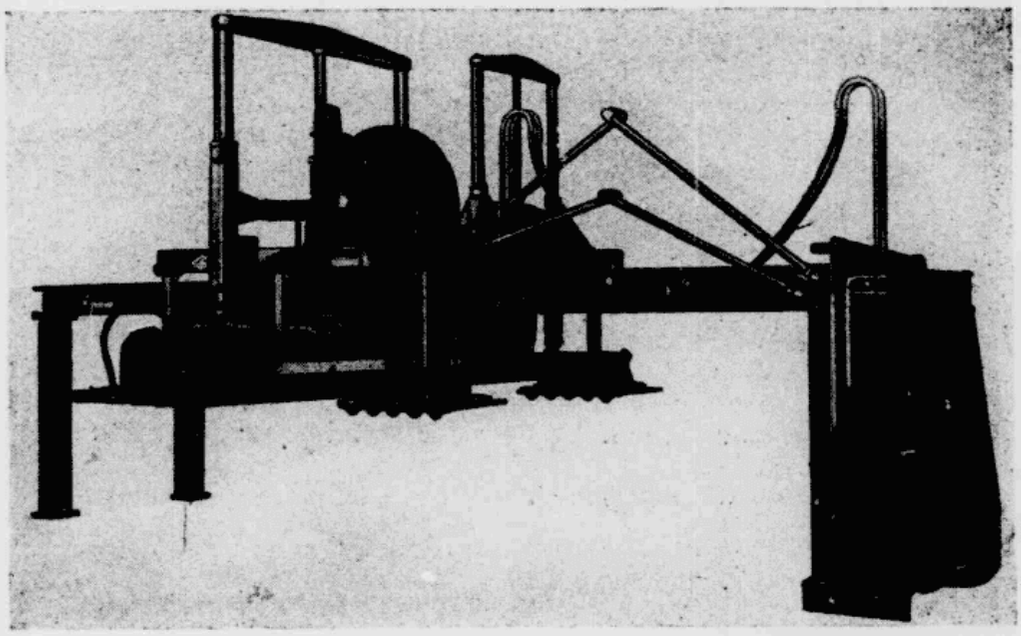
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PRODUCTION - IMPORTS - EXPORTS

Australia—According to the Bureau of Mineral Resources, Geology and Geophysics, Canberra, production of crysotile asbestos from mines in New South Wales for the *Third Quarter of 1968* amounted to 234 short tons.

Exports of all types and grades of asbestos for the same period reached 145 tons, valued at $35,000.

Australia—Imports of asbestos for the *Fourth Quarter 1968* totaled 19,438 short tons, valued at $2,395,000. The import figure for the *Year 1968* was 66,651 tons, valued at $8,318,000. This compares with imports for the *Year 1967* which reached 52,584 tons, valued at $6,435,000. These figures were supplied by the Commonwealth Bureau of Census and Statistics, Canberra.

Australia—According to the Commonwealth Bureau of Census and Statistics, Canberra, 9,818,000 square yards of non-acoustic asbestos-cement sheets were produced in Australia during the *Fourth Quarter of 1968*. The figure for the *Year 1968* was 38,281,000 square yards, compared to 33,289,000 square yards in the *Year 1967*.

Canada—Producers' shipments of asbestos during *April 1969* totaled 116,223 short tons (100,520 tons from Quebec and 15,703 tons from Newfoundland, Ontario, British Columbia and Yukon plants). The total for *April 1968* was 123,734 tons.

Producers' shipments of asbestos during *May 1969* totaled 145,056 tons (129,357 tons from Quebec and 15,699 tons from Newfoundland, Ontario, British Columbia and Yukon plants). The total for *May 1968* was 129,009 tons.

These figures were supplied by the Dominion Bureau of Statistics, Ottawa.

Swaziland—The value of asbestos exported from Swaziland in *1968* was R6,045,700 compared to R5,858,000 in *1967*.

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Imports Into U.S.A.

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

Unmanufactured Asbestos:	MAR 1969	APR 1969
Amosite, South Africa	1,595	955
Crocidolite (Blue), South Africa	2,034	945
Chrysotile, Crude, Canada	2,207	51
Finland	..	354
Italy	..	1
Portugal	20	..
South Africa	68	145
Yugoslavia	..	280
Chrysotile, Spinning Fibers, Canada	1,068	1,214
Chrysotile, Other, Canada	48,528	53,627
South Africa	149	..
Other Crudes & Fibers, Angola	..	9
Canada	599	988
Finland	589	550
Portugal	..	40
South Africa	560	64
United Kingdom	10	..
	57,427	59,223

March imports of unmanufactured asbestos were valued at $6,330,343.

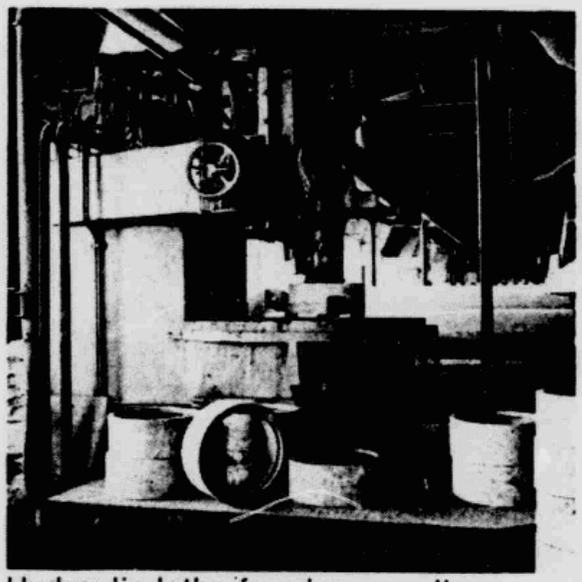
April imports of unmanufactured asbestos were valued at $6,360,861.

Manufactured Asbestos Goods:			MAR 1969
Asbestos Yarn, Slivers, etc.	Lb	222,361	$126,573
A-C Pipes, Tubes & Fittings	Lb	6,397,109	300,994
Asbestos-Cement Articles, Other	Lb	1,492,402	214,128
Asbestos Articles, Other		..	131,404
			$773,099

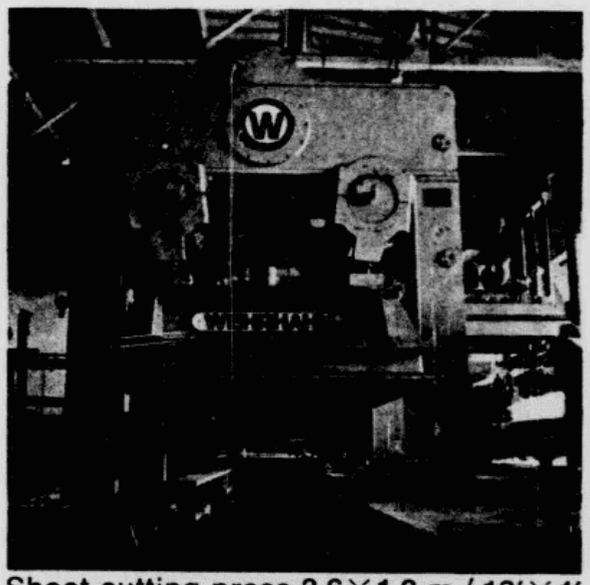
			APR 1969
Asbestos Yarn, Slivers, etc.	Lb	285,472	$160,930
A-C Pipes, Tubes & Fittings	Lb	8,964,596	385,841
Asbestos-Cement Articles, Other	Lb	1,444,295	174,462
Asbestos Articles, Other		..	110,472
			$831,705

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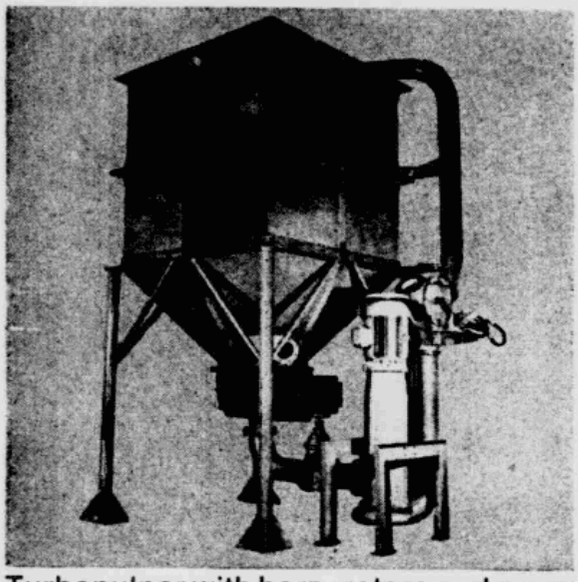
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Exports From U.S.A.

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

Unmanufactured Asbestos:		APRIL 1969	
Crude & Spinning Fibers	s. tons	122	$ 27,176
Non-Spinning Fibers	s. tons	1,456	220,447
Waste & Refuse	s. tons	1,595	148,737
		3,173	$ 396,360
Manufactured Asbestos Goods:			
A-C Shingles & Clapboard	Lb	1,728,549	$ 147,964
Other Asbestos-Cement Articles	Lb	455,109	83,681
Gaskets & Packing	Lb	422,760	707,750
Textiles & Yarns	Lb	330,552	153,232
Mfrs. other than Friction Materials		..	400,705
Clutch Facings & Linings for auto. use	No	258,203	236,179
Clutch Facings & Linings, Other	No	153,312	78,929
Brake Linings for automotive use	Lb	579,786	378,291
Brake Linings, Other	Lb	222,146	188,755
			$2,375,486

Exports From Canada

(Published by Dominion Bureau of Statistics) **APRIL 1969**

Short Tons

Unmanufactured Asbestos:	Crude	Milled Gp 3	Milled Gp 4&5	Shorts Gp 6-9
Eastern Europe	..	285	5,092	351
Western Europe	1	1,105	26,645	18,516
Middle East	..	..	900	..
Africa	..	..	845	110
Asia	8	324	4,695	8,526
Oceania	..	..	4,799	434
So. & Cen. America & Antilles	..	50	3,131	1,336
United States	6	1,768	13,955	37,905
	15	3,532	60,062	67,178

The total amount of unmanufactured asbestos exported in *April 1969* was 130,787 short tons, valued at $17,959,000.

Manufactured Asbestos Goods:

Asbestos Brake Linings & Facings	$ 81,000
Asbestos-Cement Building Materials	105,000
Asbestos Basic Products, Other	98,000
	$ 284,000

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

MINES AND MILL IN GILA COUNTY

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INDUSTRY NEWS

HAPPY BIRTHDAY

Richard B. Hazard, Vice President, Rubber & Packing Sales, Raybestos-Manhattan, Inc., Bridgeport, Connecticut, August 17.

Mrs. Joan Holtze, Assistant Secretary & Assistant Treasurer, North American Asbestos Corporation, Chicago, Illinois, August 18.

Albert H. Fay, Vice President, Research & Marketing, National Gypsum Company, Buffalo, New York, August 19.

R. G. Soothill, President, Turner & Newall Limited, London, England, August 19.

William D. Raddatz, President, Amsco Division, Abex Corporation, New York City, August 20.

Harry Christianson, Vice President & General Manager, Raybestos Division, Raybestos-Manhattan, Inc., Bridgeport, Connecticut, August 23.

John Dowling, Secretary-Treasurer, Sprinkmann Sons Corporation, Milwaukee, Wisconsin, August 26.

George Robinson, Secretary, Johnson's Company Limited, Thetford Mines, Quebec, Canada, August 30.

Allan E. Daly, Vice President, Automotive Sales, Scandura, Inc., Charlotte, North Carolina, August 31.

Richard W. Hunt, Vice President, Asbestos Distributors, Inc., Port Chester, New York, August 31.

L. D. Norton, Works Director, Turners Asbestos Cement Company Limited, Trafford Park, Manchester, England, September 1.

Adam M. Wyant, Secretary, National Gypsum Company, Buffalo, New York, September 1.

Alexander J. Gillespie, Jr., Secretary & General Counsel, American Smelting and Refining Company, New York City, September 2.

J. P. McCormick, Director, Turners Asbestos Cement Company Limited, Trafford Park, Manchester, England, September 2.

William C. O'Brien, Director of Marketing, Building & Industrial Products Division, GAF Corporation, New York City, September 2.

John B. Swaney, Controller, Asbestos Corporation of America, Garwood, New Jersey, September 4.

Frederick K. Sweeney, Vice President, Building & Industrial Products Division, GAF Corporation, New York City, September 5.

Geo. W. Wunder, Director, Hedman Mines Limited, New York City, September 6.

M. Ward Burleson, Vice President & General Manager, Industrial Insulations Division, Johns-Manville Corporation, New York City, September 7.

L. (Jerry) Mitchell, Textile Consultant, Charlotte, North Carolina, September 7.

F. P. Hodgson, General Superintendent, Clinton Mine, Cassiar Asbestos Corporation Limited, Yukon Territory, Canada, September 8.

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Leading mills all over the world operate with

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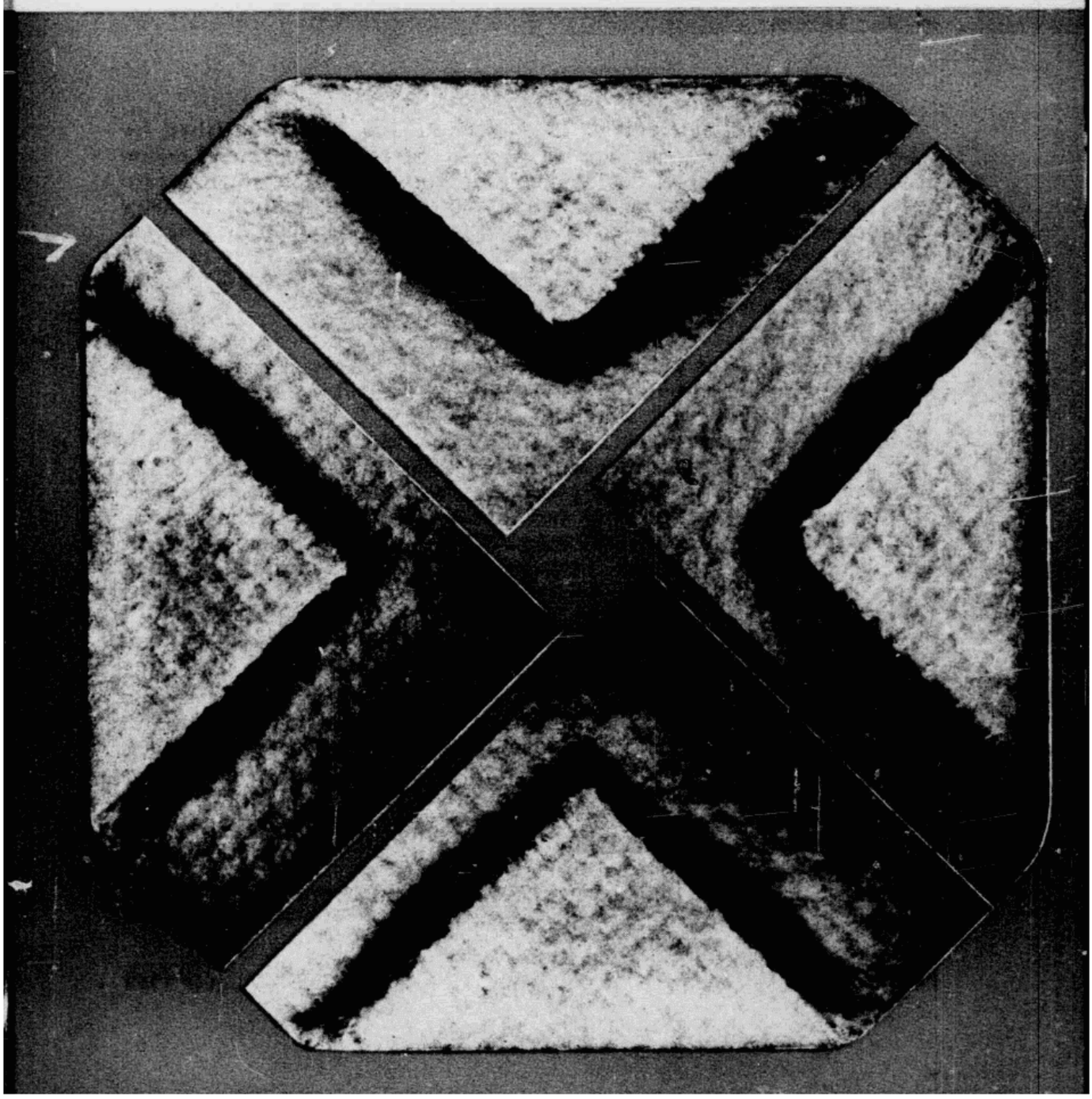
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- Outstanding durability.

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F. M. Connell, Chairman of the Board, Cassiar Asbestos Corporation Limited, Toronto, Ontario, Canada, September 9.
R. W. Little, Plant Manager, British Canadian Mine, Asbestos Corporation Limited, Thetford Mines, Quebec, Canada, September 10.
W. Harold Connell, Director, Cassiar Asbestos Corporation Limited, Toronto, Ontario, Canada, September 12.
James Newton Caws, Director & Secretary, Beldam Asbestos Company Limited, Lascar Works, Hounslow, England, September 13.
W. B. Coetzer, Chairman, Msauli Asbes Beperk, Johannesburg, South Africa, September 13.
Robert W. Winson, Manager, Reeves Mine, Canadian Johns-Manville Company Limited, Ontario, Canada, September 13.
Fred L. Pundsack, Vice President, Research and Development, Johns-Manville Corporation, New York City, September 14.

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

Mining Annual Review, 1969 Edition, has been published by The Mining Journal Limited, 15 Wilson Street, Moorgate, London E.C. 2, England. Copies are available at $4.80 each. The Review provides a continuing and authoritative record of the mining industry throughout the world. The latest edition reviews the industry's progress over the past year together with a short-term outlook. It is in three parts—by process, by product and by country—and includes a chapter on the asbestos mining industry.

Maintenance of Stripping Equipment at Jeffrey Mine was presented as Paper No. 68 at the 71st Annual Meeting of the Canadian Institute for Mining and Metallurgy, by Robert T. Young, Mechanical Maintenance Superintendent, Canadian Johns-Manville Company Limited. Sponsored by the Mechanical and Electrical Divisions of the Institute, the purpose of the paper was to inform CIMM members of the advancements made in maintenance and repair techniques as they apply to the newer and larger open-pit mining equipment. With this in mind, the paper was prepared with forty 35-mm slides which were used to illustrate the various topics discussed.

Survey of Mines 1969, 43rd annual edition, has been published by *The Financial Post*. This book is a basic reference source on the many mining companies in Canada. It includes pertinent data on the companies' activities in various fields, such as properties held, work under way or planned, directors and officers, and details on production, earnings and dividends. Inactive, predecessor and defunct mining companies are covered as well as general statistical information including the high and low range of listed shares for the past eight years, details of mineral production, etc.

The Survey is available, at $7.00 per copy, from The Financial Post or through **ASBESTOS.**

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NOTES FROM 1968 ANNUAL REPORTS

BBA GROUP LIMITED

Net profit of the Group attributable to BBA Group Limited, after deduction of minority interest and taxation, amounted to £1,280,680 in 1968, compared to £1,342,458 in 1967. Group external sales increased by 16.9% to £24,825,812 (£13,262,296 in the United Kingdom and £11,563,516 overseas). Capital expenditures of the Group were high at £2,443,849, 46.5% of which were incurred by overseas companies. The main items contributing to these expenditures were the expansion of BBA's friction material units at Textar in West Germany and Mintex Limited in the United Kingdom, expansion of the glass fiber production capacity in the United Kingdom and South Africa, and the continued development of the West Auckland site in County Durham.

Production resources at Scandura Limited were fully extended during the year and demand for its products continued to increase, notably in export markets. An exceptionally heavy demand for asbestos textile products occurred about the same time as the completion of the transfer of the asbestos yarn production unit to West Auckland, thus creating added management problems.

The principal activities of BBA are the manufacture of glass fiber products, friction materials and industrial textiles including asbestos yarn, cloth, tape, jointings and packings, and beltings and webbings for transmission and conveying.

World-Wide Consulting Services for the ASBESTOS INDUSTRY

During the past thirty years, Surveyer, Nenniger & Chênevert Inc. has designed several major asbestos mills and carried out a number of feasibility studies for asbestos developments—thus becoming one of the few consulting firms in the world with extensive experience in this specialized field.

Asbestos projects undertaken by SNC are located in Canada, U.S.A., Australia and Europe.

Surveyer, Nenniger & Chênevert Inc.

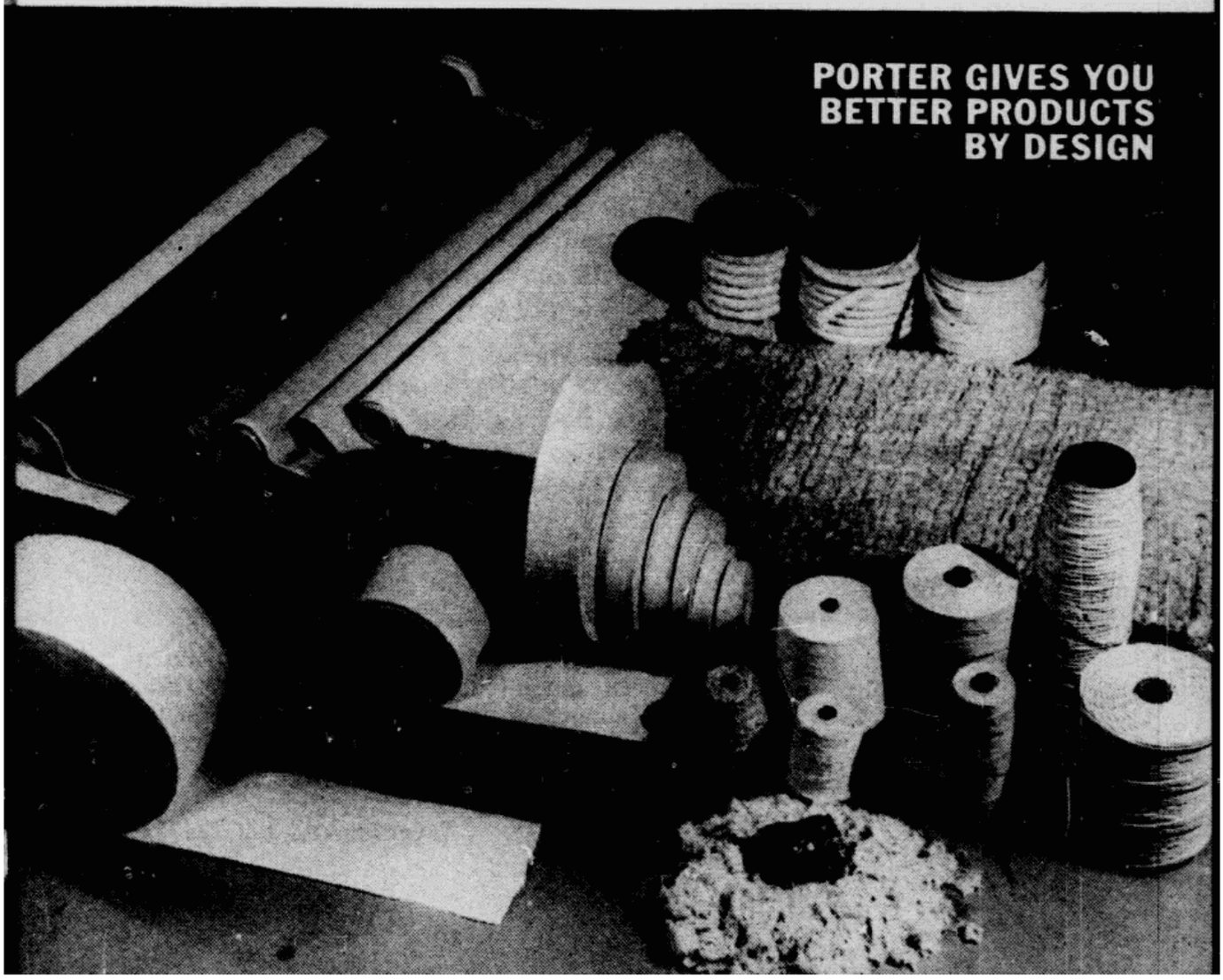
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PORTER

Thermoid asbestos textiles: quality engineered

Thermoid starts with the best grade of fibers to make the finest asbestos textiles. The line includes cloth, carded fiber, roving, yarn, cord, thread, wick, rope, and tubing from Commercial through AAAA grades. All are made in one of the industry's newest plants. Thermoid asbestos products are available with glass-reinforced yarns and a variety of chemical treatments, coatings, and finishes. Write Thermoid, H. K. Porter Company, Inc., Pittsburgh, Pa.



PERSONNEL NEWS

THE BAUER BROS. CO.

Several new appointments include *A. H. Adams*, Vice President of Engineering; *Michael T. Charters*, Technical Director; *William M. McNeil*, Special Consultant; *Bruce E. Taylor*, Manager, Building Products Machinery Division; and *B. R. Davis*, Manager of Quality Control. *Maurice D. Woodruff* will serve the Centri-Cleaner Division on a special consulting basis and will also handle all patent activities.

PHILIP CAREY CORPORATION

Harold E. Gilbert has been appointed Director of Manufacturing and will be in charge of all Cincinnati plant operations. He was formerly the Administrative Manager of the Cincinnati plant. Other personnel changes include *William C. Glor*, Manager of Market Research; *Joseph Grinkemeyer*, Systems Programming Manager; *Michael Howard*, Systems and Procedures Manager; *John W. Hanchey, III*, Manager of Quality Control for Built-Up Roofing; *D. L. Kyle*, Marketing Manager of Industrial Products; and *Clifford E. Morgan*, Marketing Manager of Prepared Roofings.

CERTAIN-TEED PRODUCTS CORPORATION

Byron C. Radaker has been named Corporate Vice President of Marketing and will be responsible for coordinating the marketing programs of Certain-teed's seven divisions. He had been Corporate Vice President and General Manager of the Pipe Division.

JOHNS-MANVILLE CORPORATION

George B. Munroe, President and Chief Executive Officer of Phelps Dodge Corporation, was elected to the Board of Directors. *S. V. Flynn* has been appointed Manager of Special Assignments within the Northern Region of the Pipe Division.

H. K. PORTER COMPANY, INC.

At the Thermoid Division's Charlotte Works, *Ernest C. Bratt* has been appointed Works Manager. He had been Plant Manager at the Sutton Mills Division of Ames Textile Corporation.

RAYBESTOS-MANHATTAN, INC.

Frederick S. Daly, General Manager of the Wabash Division in Crawfordsville, Indiana, has been appointed a Vice President. *Arthur R. Brauer* is now Corporate Manager of Benefits and Services in the Corporate Industrial Relations Department. He was formerly Director of Industrial Relations in the Raybestos Division.

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Cheaper. Costs Less.

When it comes to buying respiratory protection it's not a question of health. It's only money. A cheap, strapped-on, lung-powered respirator will probably stop all the contaminants you're worried about. In fact, it stops so much it soon clogs up — if the gasping wearer doesn't rip it off first. The Rite Whitecap Helmet system uses an electrically powered centrifugal filter to spin off contaminants. No clog-up. Your filter replacement cost drops to almost nothing. More important, your lost man-hours drop too, because a worker won't "forget" to wear his Whitecap helmet. It's light. It's comfortable. It protects eyes, face and head as well as lungs. Write or phone for complete information on Whitecap Helmet systems.

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Telephone: (213) 245-1746

Asbestos Magazine, 1969, August 1969
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ASBESTOS STOCK QUOTATIONS

Close—July 31, 1969

Abitibi Asbestos	**$6.75	Glen-Alden	9½
Asarco	29⅞	G-Alden (pfd 3.15)	70
Armstrong Cork	37¾	G-Alden (pfd 3)	61
Armst. Cork (pfd 3.75)	59	Grace	31½
Asbestos Corporation	*$23.00	Gulf & Western	20⅝
Bendix	39½	G&W (pfd 3.50)	82⅛
Bendix (pfd 3)	64	G&W (pfd 3.87)	49
Carlisle	19¼	G&W (pfd 5.75)	66⅝
Cassiar	*$16.25	Johns-Manville	32
Certain-teed	22½	Maremont	13½
C-teed (pfd .90)	22	National Gypsum	28½
Conwest	*$7.90	Patino	*$28.50
Flintkote	25½	Porter (pfd 5.50)	71¾
F-kote (pfd-A 4.50)	80¼	Raybestos-Manhattan	47¾
F-kote (pfd-B 2.25)	37⅞	Unarco	10⅜
GAF	19½	Union Carbide	42⅜
GAF (pfd 1.20)	26¼	Uniroyal	22
Garlock	19½	Uniroyal (pfd 8)	116½

*Canadian currency
**Canadian currency—as of July 28
(Source: The Wall Street Journal)

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

The Mineral Industry of Australia (15c)—The spectacular growth of Australia's mineral industry continued through 1967 with the value of mineral output rising to $794 million. Exclusive of operations employing fewer than four persons, 900 mines and quarries were operated during 1966 including 149 nonmetal operations and 428 construction material quarries. Three small mines, one in New South Wales and two in Western Australia, accounted for the 534 metric tons of chrysotile fiber produced in 1967. For 1965-1966, 3,983 metric tons of asbestos were exported and imports reached 48,661 tons.

The Mineral Industry of Italy (15c)—In 1967, Italy's mineral industry reported gains in output and in new productive facilities. Production of asbestos increased to 100,740 metric tons. Societa Amiantifera de Balangero strengthened its position as non-Communist Europe's leading asbestos producer. Output of its Balangero mine, near Turin, was estimated at nearly 2 million tons of crude ore and 100,000 tons of asbestos in 1967. Italy continued to produce several hundred tons of long-fiber tremolite from mines in Sondrio and Aosta but continued to rely heavily on overseas sources for this material. The use of Italian asbestos as a filler in bituminous paving materials was promoted in 1967. During 1966, exports of asbestos increased to 35,937 tons and imports topped the year-ago figure at 43,620 tons.

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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, 1969) Canadian Currency

AAA grade (non-ferrous spinning fiber)	$ 845.00
AA grade (non-ferrous spinning fiber)	673.00
A grade (non-ferrous spinning fiber—Canadian Group 3)	508.00
AC grade (asbestos-cement—Canadian Group 4)	363.00
AK grade (shingle fiber—Canadian Group 4)	249.00
CP grade (shingle fiber—Canadian Group 4)	234.00
AS grade (shingle fiber—Canadian Group 4)	217.00
CT grade (shingle fiber—Canadian Group 4)	211.00
AX grade (shingle fiber—Canadian Group 5)	193.00
CY grade (shingle fiber—Canadian Group 5)	136.00
AY grade (shingle fiber—Canadian Group 5)	136.00

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)	141.00	to	165.00
Group No. 6 (waste, stucco or plaster)			102.00
Group No. 7 (shorts & floats)	47.00	to	85.00

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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 June 17 through July 8, 1969

3,450,236—Composition Material for Railway Vehicle Brake Shoes and a Method of Fabrication of Brake Shoes, S. Nadasan, et al, June 17, 1969.

3,450,547—Expanded Silicate Particles, R. H. Sams & N. W. McCready (assigned to Philadelphia Quartz Company, Philadelphia, Pennsylvania), June 17, 1969.

3,452,532—Manufacture of Purified Asbestos Products, W. Wilke & H. Fetzer (assigned to Rex Asbestwerke Graf von Rex K.G., Schwabisch Hall, Germany), July 1, 1969.

3,453,228—Heat-Curable, Heat Stable Organosilicon Elastomeric Compositions of High Strength and Low Elongation, V. L. Metevia & K. E. Polmanteer (assigned to Dow Corning Corporation, Midland, Michigan), July 1, 1969.

3,453,818—Production of Asbestos Yarn, J. E. Novak & J. F. Orzechowski (assigned to Raybestos-Manhattan, Inc., Passaic, New Jersey), July 8, 1969.

U.S. Documents—The following reports are available at $3.00 per paper copy and 65c per microfiche from the Clearinghouse, U.S. Department of Commerce, Springfield, Virginia 22151:

AD 686 466—Nondestructive Test Methods for Reinforced Plastic/Composite Materials, by G. Epstein of Aerospace Corporation for the Air Force Systems Command, Los Angeles, California;

NASA SP-5071—Induction Heating Advances: Applications to 5800°F, by A. F. Leatherman & D. E. Stutz;

NASA SP-5072—Air-Pollution-Monitoring Instrumentation, by A. Lieberman & Peter Schipma of the IIT Research Institute Technology Center, Chicago, Illinois.

NASA SP 5075—Aerospace Related Technology for Industry, the proceedings of a Technology Utilization Conference held at Langley Research Center, Hampton, Virginia;

NASA SP 5080—Weather Satellite Picture Receiving Stations, a report by Charles H. Vermillion on the inexpensive construction of automatic picture transmission ground equipment.

BUILT ON A ROCK

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

THE ASBESTOS DIVISION OF **SCANDURA LIMITED**

A MEMBER OF THE BBA GROUP CLECKHEATON · YORKSHIRE · ENGLAND



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Remember When?

August 1919 ASBESTOS

Insulation and asbestos pipe coverers in Cincinnati are on strike to enforce a wage demand of 85c per hour.

The John D. Hoff Asbestos Company, San Francisco, is planning to establish a branch plant at San Diego for the manufacture of asbestos-magnesite floors and other specialties.

An arrangement was recently effected between the Philip Carey Company and the American Insulation Company whereby American Insulation represents Carey in the Philadelphia district for all of Carey's lines.

Pursuant to an executive order signed by the President of the United States, the present personnel, duties, powers and records of the War Trade Board have been transferred to the Department of State as of July 1, 1919.

The U.S. Bureau of Mines dedicated its new million-dollar laboratories and workshops in Pittsburgh, Pennsylvania. The different laboratories have been completely equipped for the investigation of the various problems relating to greater safety and efficiency in the mining and metallurgical industries.

Increased home building spells greater demand for asbestos paper to be used in pipe covering. . . . More homes mean more stoves hence larger needs for asbestos millboard by stove manufacturers. . . . The asbestos shingle is one of the newer products made from asbestos but has found such a ready market that combined sales run into large figures. . . . The use of corrugated asbestos sheathing and asbestos covered metal in place of iron and steel is becoming greater.

Prevailing Prices: powdered magnesia carbonate, 17c-20c a lb.; asbestos cement, $2.00 cwt.; asbestos listings and tapes, $1.50-$6.00 a lb.; asbestos wick & rope packing, 75c-90c a lb.; asbestos wire-inserted sheet, 80c-$1.50 a lb.; and asbestos high-pressure steam packing, $1.00-$1.75 a lb.

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TWO YEARS OF SUCCESSFUL APPLICATION PROVE IT:

R/M thermal asbestos tape speeds covering of small pipe and tubing



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- Faster installation than sectional molded covering, particularly around curves where cutting, mitering, and cementing are required.
- A weight saving of 20-26 percent over the same sheath with Amosite asbestos stuffer.
- More durable and resistant to hard usage conditions than standard sectional insulating materials.

Used successfully for the past two years, the R/M tape currently is being applied aboard three destroyers and a 45,600-ton container ship. Service includes water and steam lines involving temperatures to 499°F.

For complete information on R/M Style 25 Thermal Insulating Tape conforming to MIL-I-15349 or Coast Guard specifications, contact us.

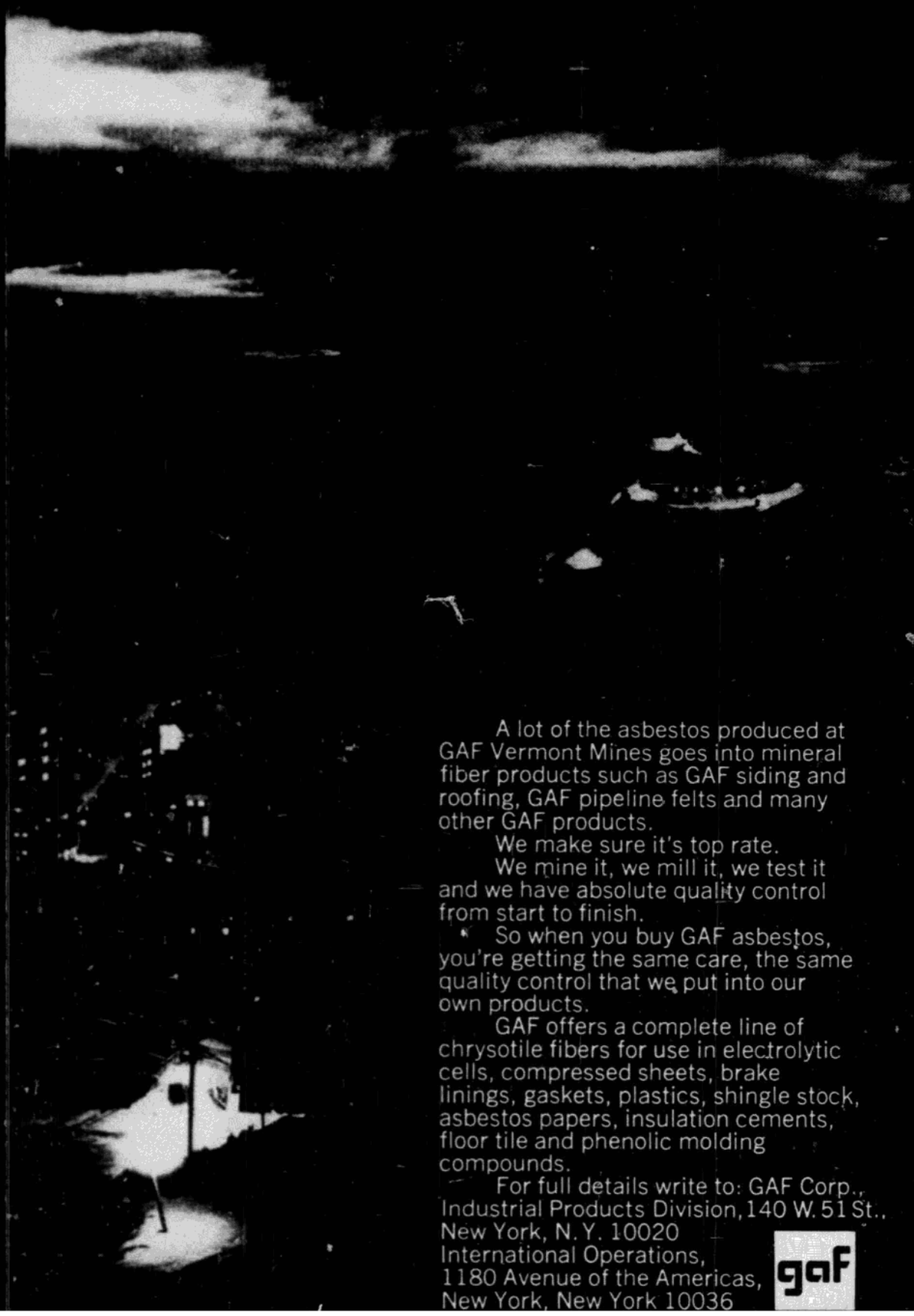
Raybestos R M Manhattan

Asbestos Textile Division, 205 Middle St., Bridgeport, Conn. 06603

Raybestos-Manhattan, Inc.

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You know the asbestos produced at is GAF mine is good because GAF uses it too.



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