ASBESTOS



Johnson's Asbestos Company's plant, Black Lake, P. Q., Canada

JULY 1954

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Weighs only
1.20 lb. per sq. yd.

R/M No. 24H120

A UNIQUE HERRINGBONE ASBESTOS CLOTH



R/M No. 24H120 Underwriters' grade herringbone cloth is designed to provide protection and ease of action to employees in hazardous industries. Its weight of only 1.20 pounds per square yard relieves the wearer of the cumbersome burden usually associated with asbestos safety clothing. The famous R/M "SRC" finish provides additional resistance to frictional wear. Leading manufacturers of asbestos safety garments feature R/M No. 24H120 herringbone cloth. This is a typical and exclusive product of R/M research.

R M

RAYBESTOS-MANHATTAN, INC.

ASBESTOS TEXTILE DIVISION, Manheim, Pa.

FACTORIES: Manheim, Pa.; No. Charleston, S.C.; Passaic, N.J.; Neenah, Wis.; Crawfordsville, Ind.; Peterborough, Ontario, Canada

RAYBESTOS-MANHATTAN, INC., Asbestos Textiles • Packings Brake Linings • Brake Blocks • Clutch Facings • Fan Belts Radiator Hose • Rubber Covered Equipment • Industrial Rubber, Engineered Plastic, and Sintered Metal Products • Abrasive and Diamond Wheels • Bowling Balls

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"ASBESTOS"

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Trust of C. J. STOVER, *Proprietor*
E. E. COX, *Editor*

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JOHNSON'S COMPANY

Johnson's Company, the pioneer producer of asbestos in Canada, made its first shipment in 1877, although its operations may be said to have commenced in the previous year, for it was then that Andrew S. Johnson started sending out samples of what was then called "woolly rock". Minute amounts of asbestos had occasionally been used in Europe for some time previously but the high quality of the samples available from various Quebec points, particularly what is now Thetford Mines, aroused considerable interest and led to shipments on a small but gradually increasing scale.

Andrew Johnson was born in 1850 at Clapham, Quebec, son of the local postmaster, and in helping his father he had travelled through what is now the Black Lake and Thetford Mines area, seeing there the "woolly rock" which had aroused his interest. When interested replies began to come in, in response to the letters and samples which he had sent out, he and his two brothers, Samuel J. and William J., hand-picked and loaded some small lots of Crude Asbestos. These had to be sent by ox team 31 miles to the nearest railway but in the following year the construction of the Quebec Central Railway right through the area of the asbestos deposits made their development much easier.

As it became apparent that the mining of Asbestos would grow into a real business, Johnson's Company was incorporated in 1885, the Honorable George Irvine and John Mooney joining the three Johnson brothers as stockholders. The Company is still completely owned by the descendants of the five men.

At first Johnson's Company and other producing companies that came into being in the same area, turned out only hand-cobbed crude. That is, the rock was broken up by blasting, the larger veins of asbestos were picked out and separated so far as possible, by pounding with cobbing hammers. Three, and in some cases, four different grades were produced, depending largely on the thickness of the original vein.

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PIONEERS IN ASBESTOS

...for every purpose



Keasbey & Mattison—original manufacturers of asbestos-cement roofing shingles in this country—produce a complete line of asbestos building materials: Siding and Roofing Shingles • Wallboards • Corrugated and Flat Lumber •

For Industry, we offer the following all-purpose asbestos products: Asbestos and Magnesia Pipe and Block Insulations • Asbestos Electrical Materials • Packings • Textiles • Paper and Millboard •

And for the efficient conveyance of water, we manufacture "Century" Asbestos-Cement Pipe.

Nature made Asbestos...

Keasbey & Mattison has been making it serve mankind since 1873

K&M best in asbestos

KEASBEY & MATTISON
COMPANY • AMBLER • PENNSYLVANIA

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Mechanical means of separating the asbestos from the rock were first experimented with in 1888 but it was not until about 1893 that any large shipments were made. As methods of mechanical separation were developed and improved, the various producing companies were enabled to turn out cleaner and better grades of fibre and also could recover the shorter veins which previously had been discarded in dumps.

As Johnson's Company production continued to expand it finally became necessary to replace the mill at Thetford Mines and a new one, embodying all of what was then considered best in milling practice, was opened in 1930. With considerable foresight the mill building was constructed large enough to allow for any expansion in production that might be necessary. Thus, as demand increased and improved milling methods and equipment were developed, the mill could be kept up-to-date with new installations, a process which still goes on.

While Johnson's Company Ltd., owns and operates the mine and mill at Thetford Mines, another company, Johnson's Asbestos Company, was formed to take over the property at Black Lake, Quebec, where a large and detailed diamond drilling campaign, undertaken over a considerable period of time, indicated the presence of sufficient ore to justify the construction of a mill. Although the ore-body will give a lower percentage yield of Asbestos than the property at Thetford, and will therefore require the most economical of mining and milling methods, its apparent large size gives confidence for a long and successful future.

The new mill started operation late in 1953. Crushing and Drying of the rock follows common practice in the industry but some new methods of milling have been put into practice.

Mining at Black Lake is by the open pit method, broken rock being loaded by power shovels into large diesel trucks for transport to the primary crusher. At Thetford the block-caving method of underground mining has been used since late in 1940.

In order to allow for future expansion of mining

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activity at Thetford Mines, Johnson's Company Ltd., has joined with other producers in forming Relocations Limited, a separate company which is arranging to move to new locations, about eight miles of Quebec Central main line track, miles of main roads and streets, public buildings and many private dwellings. Over a space of a few years a considerable portion of the City of Thetford Mines will be moved at a cost of millions of dollars. This may be taken as an indication of the confidence of the companies concerned, in the future of the Asbestos Industry and their determination to provide for their customers, an adequate source of asbestos fibre.

THE COVER

This issue starts our 36th volume. The new cover cut is the new plant of Johnson's Asbestos Company at Black Lake, Canada. The history of Johnson's Company Limited is given on page 2.

ALBASEAL

ALBASEAL is the name of a new sealing compound developed especially for appliance manufacturers. It is the newest result of Johns-Manville's long experience in making sealers.

The properties of Albaseal include freedom from odor, excellent adhesion, permanent plasticity, wide temperature tolerance (due in part to its asbestos base) and resistance to weather, moisture, aging and many other adverse conditions.

Albaseal is recommended for sealing joints and other openings against air, vapors, moisture, water and dust. It adheres readily to wood, metals, glass and plastics. It can be painted immediately after application.

The standard color is white, but Albaseal is available in other colors on special order. It is furnished in beads ⅛ in. to ½ in. in diameter in 30 in. long strips; in slugs 1½ in. in diameter, 18 in. long; and, in slugs 3 in. in diameter, 18 in. long.

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ASBESTOS "Shorts" and "Floats"

reduce moulding time and distortion

The grades of Johns-Manville asbestos fibres recommended as moulding compound ingredients have both a high percentage of fines and a low fibre content that combine to reduce the quantity of air in the mass. This shortens moulding time . . . and minimizes distortion or rebound during drying.

In addition, these short fibres and fines improve the surface appearance of the plastic . . . whereas long fibres, "crudy" bundles, and coarse particles mar the surface and destroy the moulds.

For many other products such as adhesives, asphalt tile, texture paints, auto underbody coatings, and friction materials . . . these versatile asbestos "shorts" and "floats" provide important advantages when used as fillers, extenders, conditioners, reinforcers, and heat-resisting agents.

If you would like further information about the various uses, properties and classifications of these versatile forms of asbestos, write to us now for Brochures AFD-3A and 4A.

JM

Asbestos Fibre Division
Canadian Johns-Manville Limited
970 Sun Life Bldg. (Telephone: UN-6-9701) Montreal, P. Q., Canada

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J-M OPENS NEW LABORATORY

The world's largest laboratory devoted to research and development of asbestos brake linings and other friction materials was opened on June 15, at Manville, N. J., as Johns-Manville's answer to increasing demand for better control and safer stopping of all types of mechanical equipment.

At the same time, A. J. Bette, Manager of the Johns-Manville Friction Materials Department, announced an addition to the Johns-Manville plant at Waukegan, Illinois, which will nearly double the passenger car and industrial friction material production capacity there and create about 350 new jobs when the new facilities are completed in 1955.

The Waukegan addition is part of the $18,500,000 Johns-Manville plans to spend for expansion and improvement in 1954.

The new laboratory, a part of the Johns-Manville Research Center at Manville, N. J., houses the largest and most versatile inertia-type dynamometer ever built for testing the stopping qualities of aircraft, railroad, truck, bus and industrial equipment brake materials.

The huge, 200-ton machine, publicly demonstrated for the first time on June 15, required more than two years to build and represents ten years of resarch, design and development work by Johns-Manville scientists and engineers.

The new Friction Materials Laboratory contains many other machines developed by J-M engineers for testing a wide range of friction materials, particularly automotive brake linings and clutch facings.

Opening of the new laboratory and the Waukegan expansion marks Johns-Manville's 74th year in the friction materials business.

In 1870, long before the first "horseless carriage" made its appearance, the H. W. Johns Company of New York, a predecessor of Johns-Manville Corporation, was approached by a Brooklyn hoist manufacturer for help in solving a braking problem as the heat created by friction

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Carey
ASBESTOS

Since 1873 Carey has been manufacturing products of which asbestos is an integral part.
And Carey research is constantly working to make those products work better and to develop new products which will utilize the outstanding qualities of asbestos.

THE CAREY LINE INCLUDES:

Asbestos Corrugated Roofing and Siding
Asbestos Fiber and Specialties
Asbestos Flat Sheathing
Asbestos Heat Insulations and Cements
Asbestos Packing • Asbestos Roofing Felts
Asbestos Paper and Millboard
Asbestos Prefabricated Ducts
Asbestos Shingles and Siding
Asbestos Wallboard

THE PHILIP CAREY MANUFACTURING CO.
CINCINNATI 15, OHIO

In Canada: The Philip Carey Co., Ltd., 277 Duke Street, Montreal 3, P. Q.

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in braking operations on his hoists made most materials either short lived or useless.

The friction material developed to meet this problem employed, for the first time, asbestos fibre and successfully withstood the heat and wear encountered in braking the speed of heavily laden hoists.

Since that time, Johns-Manville has developed a full line of asbestos friction materials, including brake linings, brake blocks, clutch facings and allied materials to serve the needs of industry.

The new Friction Materials Laboratory will enable Johns-Manville to anticipate friction material requirements of the automotive field and of industry far into the future while the additional facilities at Waukegan will help meet present increased demand for the company's friction material products.

History records that the first asbestos brake lining for automobiles was made in 1907.

Crude though it was, this first Johns-Manville asbestos brake lining for automobiles was hailed as a revolutionary step in the progress of automotive development. It was the cornerstone upon which modern research engineers have built a present day line of asbestos friction materials capable of controlling the most ambitious creation of the automotive engineer, and which daily protect the lives and safety of millions of car owners.

Today, Johns-Manville manufactures and markets a complete range of asbestos friction materials that includes brake linings, brake blocks, automatic transmission, band linings, clutch facings and friction elements for industrial, agricultural and earthmoving equipment.

For passenger car service, Johns-Manville produces custom 4-Star Brake Lining Sets, WireKlad Lining, and newly developed P.B. Sets for power brakes.

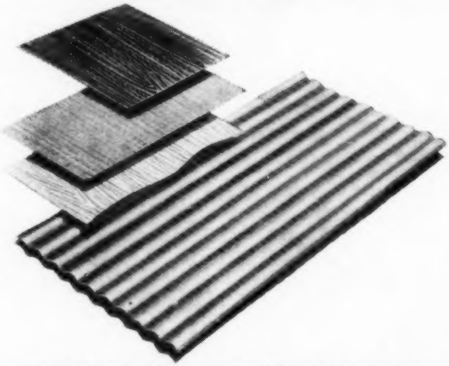
For taxicabs and trucks, J-M Fleet Tested Sets provide a special lining that delivers extra long mileage and safety for hard commercial service.

Buses, trucks and trailers use J-M Brake Blocks which are available in high, medium and low friction values to best meet special design or service requirements. Combi-

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Gold Bond

ASBESTOS-CEMENT PRODUCTS



CHROMA-TEX SIDING SHINGLES
with "Surfaseal" finish

•

ROOFING SHINGLES

•

PLIABOARD
PERMABOARD

•

CORRUGATED ROOFING
AND SIDING

•

National Gypsum Company • Buffalo 2, N. Y.

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nations of different frictions are frequently employed to match operating conditions.

The line also includes rolls and sheets of both molded and woven friction materials from which pieces or segments can be cut as needed.

Johns-Manville, in addition, manufacturers automatic transmission band linings as well as a broad range of clutch facings for passenger cars, trucks, buses, earthmoving equipment and industrial machinery. Among these are J-M Special Type Molded facings, Spiral Wound fabric facings and Heavy Duty Molded facings. Cones, discs and gear-toothed facings are produced on special order.

The "blow torch" test, applied to various types of materials used for siding homes, indicates that asbestos-cement siding shingles are among the safest materials that can be used to cover exterior walls.

Asbestos siding, it has been demonstrated, does not burn, char or melt, even when subjected to the intense heat of a blowtorch.

Siding shingles of this type owe their incombustibility to the fact that they are made from portland cement and asbestos fibres, neither of which will burn.

A new motion picture on Productive Maintenance showing industry how to get the most productivity out of existing facilities has been announced by the General Electric Company.

The film was produced by Wilding Picture Productions, Inc., Chicago, Ill., under the supervision of the General Electric Company's visual education section. It was photographed in full color. The 25-minute production, titled "Productive Maintenance," dramatizes the concept and 5-step plan of Productive Maintenance.

The film will be available for showings at trade and association meetings following the completion of the current series of Productive Maintenance Forums.

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Mundet Cork Corporation

Insulation Division, 7101 Tonnelle Ave., North Bergen, N. J.

Mundet district offices are located in these cities:

ATLANTA 339-41 Elizabeth St., N.E.	DETROIT 21 14401 Prairie Ave.	KANSAS CITY 7, MO. 1210 W. 9th St	PHILADELPHIA 39 856 N. 48th St.
BALTIMORE 30 100 S. Charles St.	HOUSTON 1 Commerce and Palmer Sts.	LOS ANGELES (Maywood): 6116 Walker Ave	SAN FRANCISCO 7 440 Brannan St.
CINCINNATI 2 427 West 4th St.	INDIANAPOLIS 4 15 E. Washington St.	NEW ORLEANS 16 315-25 N. Front St.	ST. LOUIS 9 3176 Brannon Ave.

DALLAS 10, 601 Second Ave. — JACKSONVILLE 6, FLA., 800 E. Bay St. — NEW YORK 17, 331 Madison Ave.

In Canada:
Mundet Cork & Insulation, Ltd.,
35 Booth Ave., Toronto

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ASBESTOS-CEMENT PRODUCTS ASSOCIATION

Approval of a major promotional program having as its objective the improved utilization of asbestos-cement siding in architectural design was voted by the Asbestos-Cement Products Association at its 17th annual meeting, held June 24 in New York City.

As part of the program, six outstanding American architects have been retained to carry on studies of design principles applicable to the use of asbetsos siding in better class houses. Each architect will incorporate his ideas in a house design suitable for his geographic area. These designs, to be done in full color, will be brought to the attention of builders and architects through advertising, publicity, brochures and other promotional methods.

The names of the participating architects will be announced sometime in July, according to J. M. Hoare, new chairman of the association's publicity committee. Others working on the project include the retiring chairman, Reginald L. Johnson of Johns-Manville Sales Corporation, and committee members Walter Dodge and Bev Brower.

All association officers were re-elected to a second term at the business session which followed committee meetings. They are: President: Ernest Muehleck, president of Keasbey & Mattison Company; Vice-President: E. L. O'Leary, vice-president, the Ruberoid Co.; Treasurer: Robert J. Tobin, president, Tilo Roofing Company; Secretary: Chester C. Kelsey, association manager.

President Muehleck announced the appointment of two new committee chairman, in addition to Mr. Hoare. They are: planning committee, John W. Brown, National Gypsum Company, and corrugated committee, Thomas M. Dantz, the Ruberoid Co. Chairman who will continue to serve are: manufacturing, E. J. Buczkowski, Keasbey & Mattison; sales engineering, Albert H. Fay, National Gypsum; technical, Simon Collier, Johns-Manville; traffic, Fisk D. Halliday, Flintkote; and roofing, A. L. Fowler, Johns-Manville.

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HAIR FELT

FOR

Low Temperature Insulation

Newark Hair Felt Co.

1000 Maple Avenue

Lansdale, Penna.

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On the executive committee, in addition to Mr. Muehleck and Mr. Tobin, are Stuart H. Ralph, vice-president, the Flintkote Company, and W. R. Wilkinson, vice-president for sales, Johns-Manville Corporation. Directors include Mr. Brown, Mr. Muehleck, Mr. Ralph, Mr. Tobin, Mr. Wilkinson and L. W. Clarke, Philip Carey Mfg. Company; John H. Steiner, Supradur Mfg. Company of New York; and Stanley Woodward, the Ruberoid Co.

CAPOSITE

CAPOSITE asbestos preformed insulation (in slabs and pipe sections, is made by The Cape Asbestos Company of London and its subsidiaries and associates in various countries, from the uniquely long fibred South African asbestos known as Amosite.

CAPOSITE has excellent characteristics for oil refinery insulation, by virtue of an ideal raw material and a manufacturing technique designed to get the best out of it. These characteristics are:

Thermal Efficiency — The table shows the coefficient of thermal conductivity in B.Th.U. inch/ft. ^{2}hour°F.

In relation to hot face temperature		In relation to mean temperature	
°F	Coefficient	°F	Coefficient
200	0.38	100	0.36
400	0.43	200	0.40
600	0.47	300	0.45
800	0.53	400	0.50
1000	0.61	500	0.57

Toughness — the long fibred Amosite asbestos helps CAPOSITE preformed insulation to stand the shocks of transport, handling and continous operation to an unrivalled degree; its strength makes it possible to handle CAPOSITE in slabs up to 48'' x 36'' and pipe sections 36'' in length and up to 25'' in outside diameter and 5'' in thickness.

Temperature Resistance — CAPOSITE withstands direct contact with hot surfaces at 1,000°F., with no loss of efficiency.

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ASBESTOS

ASBESTOS CORPORATION LIMITED

THETFORD MINES

QUEBEC **CANADA**

REPRESENTATIVES

GREAT BRITAIN:	**W. A. JANITCH,** 37/38 Coal Exchange Building Lower Thames St., London, E. C. 3
GERMANY:	**BECKER & HAAG** Ferdinandtrabe 58 (Hapag-Haus) Hamburg I, Germany
	U. S. A.:
BALTIMORE, MD.:	**WALLACE & GALE CO.** 115 South Gay St.
CLEVELAND, OHIO:	**WORLD'S PRODUCTS TRADING CO.,** 842 Standard Bldg.
CHICAGO, ILL.:	**THE STARKIE COMPANY** 5461 W. Division St.
NEW YORK, N. Y.:	**WHITTAKER, CLARK & DANIELS, INC.** 260 West Broadway
SAN FRANCISCO, CAL.:	**L. H. BUTCHER CO.,** 15th and Vermont Sts.
	CANADA:
MONTREAL, QUE.:	**ATLAS ASBESTOS CO., LTD.,** 5600 Hochelaga St.
TORONTO 1, ONT.:	**CANADIAN ASBESTOS ONTARIO LTD.,** 27 Front St., East

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Performance — CAPOSITE keeps its strength and thermal efficiency indefinitely in spite of subjection to heat, weather, vibration or moisture.

Economy — Large, robust slabs and pipe sections give econmy in fitting. Thermal efficiency and permanence give economy in operating cost, depreciation and maintenance.

CAPOSITE Amosite asbestos insulation is manufactured in the following countries: Great Britain, Italy, Holland, Spain, South Africa, France (As "Isolamiante" by Isolaminate S.A.), United States of America (As "Unibestos" by Union Asbestos & Rubber Co. of Chicago).

The Cape Asbestos Group and its associates have wide experience of practical insulation problems of all kinds, and will be pleased to give advise, quotations against drawings or quantities, and estimates for supply-and-fit. (The Cape Asbestos Company Limited, 114-116 Park Street, London, W. 1, England)

The Department of Mines, Salisbury, Southern Rhodesia recently issued a very interesting and comprehensive bulletin entitled, "The Problems of Dust in Asbestos Preparation," by M. G. Benham, A. C. S. M., A. M. I. M. M., Assistant Government Mining Engineer, Gwelo.

Mr. Benham has covered the subject thoroughly. The chapters contain helpful and instructive information as well as many charts and tables.

A new four-page chart with complete fan belt, hose and car mat specification data for all popular passenger cars and light trucks, including 1954 models, is available from the Raybestos Division of Raybestos-Manhattan, Inc., Bridgeport 2 ,Connecticut.

Printed in two colors on heavy poster board, the 12 x 18 inch chart is attractive enough to hang on a wall, and sturdy enough to stand up in daily use.

A special section gives information on where to cut Raybestos Universal Curved Radiator Hose and specification data for Raybestos Rayflex Wire Reinforced Radiator Hose.

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CABLE ADDRESS
ASBESTIC, THETFORD MINES

JOHNSON'S COMPANY LTD.
ASBESTOS MINES
MINE AT
THETFORD MINES, QUE.

JOHNSON'S ASBESTOS COMPANY
MINE AT BLACK LAKE, QUE.

HEAD OFFICES
THETFORD MINES, QUE.
CANADA

Producers of RAW ASBESTOS Since 1875

AGENTS

UNITED STATES ....GRANT WILSON, INC., 141 West Jackson Boulevard, CHICAGO 4, ILL.

HARDWARE PRODUCTS CO., 3 Park Place, NEW YORK 7, N. Y.

GREAT BRITAIN ...A. A. BRAZIER & CO., "Avenue Lodge," 65a Bounds Green Road, LONDON, N 22

JAPAN .....S. SAITO & COMPANY, 7th Floor, Marunouchi Building, TOKYO

BELGIUM .....JOS IDE & FILS, 23, rue Mareyde, BRUSSELS (Woluwe St. Pierre)

GERMANY .....ERNST WERNER, Import von Rohasbest, Katharinenstrasse 30, "Edmundhaus," HAMBURG 11,

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MARKET CONDITIONS

GENERAL BUSINESS.

The general business picture is spotty. Employment has not increased at the rate required to indicate a sure upward trend in manufacturing businesses. Auto sales have picked up but other consumer's durable goods are moving slowly and dealers' inventories of such items must be reduced still further before producers can show real increases in sales volume, except in isolated cases. On the other hand sentiment of a great majority of top executives is most optimistic, not only for the long term future, but for a definitely stronger upward trend starting very shortly and continuing through the second half of this year.

ASBESTOS — RAW MATERIAL.

Raw asbestos shipments from Canada are running at the very uniform rate during the month since navigation opened

While shipments are not up to maximum capacity of the mines, the rate is reasonably satisfactory and ranges from 5 to 10% under the same period of last year.

All grades are in good supply, including spinning fibre.

ASBESTOS — MANUFACTURED GOODS.

Asbestos Textiles. The market is poor and very few orders are being placed by either equipment accounts or distributors. The outlook is only fair as there is very little indication that the government will resume buying within the next six months and equipment business will not increase substantially during this period.

Asbestos Brake Lining. The replacement market is showing increased strength and by the end of the year should result in sales volume perhaps 10% ahead of last year. The original equipment volume will prebably be inceasingly off if car production is curtailed to any extent.

Asbestos Paper. The demand for paper is nominal but competition is keen. The *Millboard* market is about

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DRYLON
WET MACHINE FELTS

Wool and Nylon Blend Fleece

Carefully Engineered

To Meet

Your Individual

Problems

In

ASBESTOS CEMENT PRODUCTS

ASBESTOS MILLBOARD

ASBESTOS PAPER

** Our Patented Construction Places the Nylon Where It is Most Effective*

DRYCOR FELT COMPANY

STAFFORDVILLE, CONN. USA.

**Nylon Has Proved Itself Essential in Asbestos Cement Felts*

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the same as paper. The demand for *Saturated paper* during the first part of the year held up well in spite of weather conditions, but at present it just about equals production.

Insulation. High Pressure. While total construction is as great as last year, there is a sizeable reduction in Industrial construction. Since the potential for use of high pressure insulation is probably greater in Industrial than in Commercial or Institutional work, the total potential is on decrease; which will cause the market to become increasingly competitive.

Insulation. Low Pressure. There has been little change in the low pressure market since last month.

Asbestos Cement Products. This market shows normal seasonal upturn.

Shipments of siding are slightly ahead of the same period last year; use of siding on new work has declined. Demand has been stronger for glazed type than the regular siding.

The demand for corrugated and flat has fallen off thus production is greater than sales.

The Pressure and Sewer Pipe markets continue strong. Gas Vent Pipe, Building Sewer Pipe, Warm Air Duct, and Electrical Conduit sales are maintaining their position.

Asphalt Tile. Total Industry sales of asphalt and vinyl asbestos tile for 1953 was approximately 800,000,000 square feet. To date this year, sales are running at about the same level, perhaps slightly higher.

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

WILHELM BURGDORF
Importer of **Raw Asbestos**
P. O. Box 1131, BREMEN, GERMANY

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SMITH & KANZLER CO.

Manufacturers of

ASBESTOS PAPER

Pipe Covering & Blocks

Air Cell

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Anti Sweat

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Sponge Felt

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BUILDING

Contract awards in May for future construction in the 37 eastern states set "phenomenal" new records, Thomas S. Holden, vice chairman of F. W. Dodge Corporation, disclosed to the Directors of the American Institute of Architects in their annual convention in Boston. The figures are the dollar totals of Dodge Reports.

With the AEC projects eliminated, leaving only the normal run-of-the-mill construction commitments, May was seven per cent ahead of the second biggest month, October 1953, which in turn was one per cent ahead of the third biggest month, July 1953.

Even with Atomic Energy projects included for past months, May was the third biggest month in the totals, led only by May 1951 and by September 1952. There were no exceptionally big projects to swell the May total.

In addition to the great confidence shown over many recent months, by people making enormous commitments for construction investment, an underlying reason for the continued high level of the figures is wider use of the skill of the architect.

Buildings of recent design by architects today are so much better and more efficient than projects of only a few years ago that many people are impelled or even compelled to build anew. The architect has come into his own as a major factor in American working and living.

Mr. Holden revealed that the May total of $1,925,-253,000 was 14 per cent ahead of April, and 20 per cent ahead of May 1953.

The record for a first five months was broken by a $7,517,885,000 total, 11 per cent ahead of 1953's first five months, and two per cent ahead of the second highest period, in 1951, which included a $980,000,000 Atomic Energy Project.

With benefit of the $98,000,000 Atomic Energy project, May 1951 remained the highest May and the highest of any month in history. But even against that fact, May 1954 was the second highest May in history.

May's nonresidential total was $672,288,000, up 11 per cent above April; 16 per cent above May 1953.

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CANADIAN ASBESTOS FIBERS



THE NICOLET MINE
Norbestos (via Warwick)
Que.

Address Inquiries to:

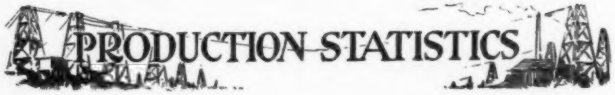
NICOLET ASBESTOS MINES LIMITED INC.*

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New York 5, New York

**One of the NICOLET Industries*

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Canada

(Department of Mines, Province of Quebec)

Tons 2000 lbs.

Production for April 1954	80,612 tons
Compared with April 1953	80,858 tons

Dominion Production for April 1954 is 82,950 tons, a difference of 2,338 tons from the Quebec figure.

Africa (Rhodesia)

(Published by Rhodesia Chamber of Mines)

Tons 2000 lbs.

Production for February 1954	6,031.53 tons
Valued at	£457,272
Production for February 1953	6,447.11 tons
Valued at	£549,492

SAFETY AWARDS PRESENTED

at Manville (J-M)

Spelled out in terms of injuries avoided and possibly lives saved, several departments from the Industrial Products Division and Building Products Division Plants and the Research Center at Manville, N. J., recently received honors for safety achievements. They won the approval of judges in an interstate safety contest sponsored by the Middlesex-Somerset County Safety Committee. Departments were eligible to compete with outside firms engaged in manufacturing operations similar in kind and size.

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Imports into U. S. A.

Unmanufactured Asbestos—By Countries:

	February 1954 Tons (2240 lbs.)
From Canada	44,522
Union of South Africa	1,485
Southern Rhodesia	264
So. B. Africa	112
Other Countries	214
	46,597
Valued at	$4,320,712
By Grades:	
Crude No. 1, Chrysotile, So. Rhodesia	13
Crude No. 1, Chrysotile, Other Countries	2
Crude No. 2, Chrysotile, So. Rhodesia	26
Crude No. 2, Chrysotile, Other Countries	9
Crude, Other, Chrysotile, U. of S. Africa	214
Crude, Other, Chrysotile, So. Rhodesia	167
Crude, Other, Chrysotile, Other Countries	4
Crude, Blue, Union of S. Africa	599
Crude, Blue, Other Countries	18
Crude, Amosite, Union of S. Africa	672
Textile Fibres, Chrysotile, Canada	1,397
Textile Fibres, Chrysotile, So. B. Africa	112
Shingle Fibres, Chrysotile, Canada	5,626
Paper Fibres, Chrysotile, Canada	3,981
Other Fibres, Chrysotile, Canada	33,518
Other Fibres, Chrysotile, So. Rhodesia	58
Other Fibres, Chrysotile, Other Countries	181
	46,597

Manufactured Asbestos Goods:

	February 1954 Quantity (lbs.)	Value
Asbestos Yarn, Canada	8,761	$13,337
Asbestos Yarn, United Kingdom	40,755	39,464
Asbestos Packing & Lining		
Canada	12,088	10,108
Other Countries	1,379	1,785
Asbestos Manufactures—Others	....	960
	62,983	$65,654

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Asbestos Fibres

ENQUIRIES WELCOME

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Exports from U. S. A.

(Figures by Bureau of Census)

Unmanufactured Asbestos:

		Year 1953 Tons (2240 lbs.)	Value
To:	Europe	1,212	$323,892
	South America	611	128,461
	Canada	127	16,353
	United Kingdom	220	11,459
	Central America & Mexico	51	8,741
	Other Countries	262	51,367
		2,483	$540,273

Manufactured Asbestos Goods:

	Year 1953 Quantity		Value
Asbestos Pipe Covg. & Cement	Lbs.	4,321,036	$ 592,054
Asbestos Textiles & Yarn	Lbs.	514,850	558,055
Asbestos Packing	Lbs.	1,498,142	1,455,797
Asbestos Bk. Lng. (Mld.&.S.Mld.)	Lbs.	3,917,441	3,450,282
Asbestos Bk. Lng. (Woven)	Lin. Ft.	447,598	355,814
Asbestos Clutch Facings	No.	1,241,409	900,725
Asbestos Brake Blocks	Lbs.	433,738	462,640
Asbestos Construction Materials	Lbs.	29,617,439	2,457,973
Asbestos Manufactures—Others			382,492
			$10,615,832

UNION ASBESTOS & RUBBER CO

Philip R. Lochner of Rye, New York has been named eastern regional sales manager of the Union Asbestos & Rubber Company, New York City, effective July 1st.

Mr. Lochner, who attended Rutgers University, started his business career with the National Cylinder Gas Company, Newark, N. J., and joined Unarco in 1940 as a railroad sales representative in the New York office.

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Exports from U. S. A.

(Figures by Bureau of Census)

Unmanufactured Asbestos:

		March 1954 Tons (2240 lbs.)	Value
To:	Europe	16	$ 7,425
	Mexico	12	2,850
	Other Countries	3	1,872
		31	$12,147

Manufactured Asbestos Goods:

	March 1954 Quantity		Value
Asbestos Pipe Covg. & Cement	Lbs.	174,518	$ 24,703
Asbestos Textiles & Yarn	Lbs.	41,012	45,470
Asbestos Packing	Lbs.	109,050	88,945
Asbestos Clutch Facings	No.	104,175	71,145
Asbestos Bk. Lng. (Mld.&S.Mld.)	Ft.	380,303	60,849
Asbestos Bk. Lng. (Woven)	Lin. Ft.	32,441	23,453
Asbestos Brake Lining Sets	Lbs.	236,368	197,125
Asbestos Construction Materials	Lbs.	2,269,628	187,950
Asbestos Manufactures—Others			18,429
			$718,069

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Exports from Canada

(Published by Dominion Bureau of Statistics)

Unmanufactured Asbestos:

	April 1954 Tons (2000 lbs.)	Value
Crude		
United States	14	$ 10,786
United Kingdom	....	...
South America	....	....
Central America and Mexico	....	....
European Countries	1	1,000
Other countries	....	....
	15	$ 11,786
Milled		
United States	10,875	$1,805,661
United Kingdom	1,045	193,127
South America	1,359	241,884
Central America and Mexico	670	99,052
European Countries	2,138	401,698
Other Countries	5,236	858,753
	21,323	$3,600,175
Shorts		
United States	37,575	$1,784,913
United Kingdom	2,510	96,311
South America	387	30,645
Central America and Mexico	40	1,520
European Countries	2,094	121,007
Other Countries	581	42,891
	43,187	$2,077,287
Grand Total—Unmanufactured Asbestos	64,525	$5,689,248
Manufactured Asbestos Goods:		
Brake Lining		$ 29,201
Packing		....
Other Materials		62,673
		$ 91,874

Asbestos Exploration Mine Development

WILLIAM B. MILLAR

Consulting Geologist

Mail Address: Room 1050

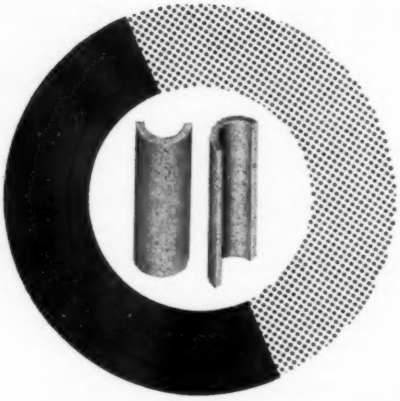
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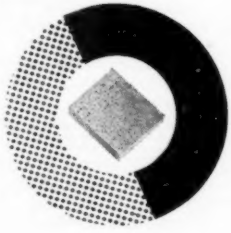
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NEWS OF THE INDUSTRY

HAPPY BIRTHDAY

R. D. Cross, Secretary-Treasurer, Smith Asbestos Products, Inc., Millington, N. J., July 16.

Thomas L. Gatke, President, Gatke Corporation, Chicago, Ill., July 16.

L. U. Noland, Chairman of the Board, Noland Co., Inc., Newport News, Va., July 17.

G. F. Bahrs, Treasurer, The Ruberoid Co., New York City, July 18.

J. F. D. Rohrbach, President, Raybestos-Manhattan, Inc., Passaic, N. J., July 18.

R. F. Turner, Sales Mgr. Building Products Division, Philip Carey Mfg. Co., Cincinnati, Ohio, July 18.

C. C. Gibson, Executive Vice President, Pabco Products Inc., San Francisco, Calif., July 20.

C. B. Whitely, Secretary, Scandinavia Belting Co., Charlotte, N. C., July 20.

C. J. Backstrand, President, Armstrong Cork Co., Lancaster, Pa., July 21.

Laurence W. Clarke, Vice President, Philip Carey Mfg. Co., Cincinnati, Ohio, July 21.

R. S. King, Chairman, Philip Carey Mfg. Co., Cincinnati, Ohio, July 21.

W. S. Simpson, Director & Secretary, Raybestos-Manhattan, Inc., Bridgeport, Conn., July 21.

R. R. Galloway, Sales Manager, Building Materials Division, Pabco Products, Inc., San Francisco, Calif., July 22.

J. E. Hooker, Pacific Roofing Co., Portland, Oregon, July 22.

Charles A. Saitta, President, Asbestos Corporation of America, New York City, July 23.

C. R. Hubbard, Vice President, Garlock Packing Co., Palmyra, N. Y., July 25.

Hilton A. Moberg, President, Arnold Insulations, Inc., Chicago, Ill., July 25.

Frank C. LeRow, Vice President & Treasurer, Asbestos, Asphalt & Insulation Mfg. Co., Chicago, Ill., July 26.

P. H. Ryan, Sales Manager, Asbestos Products Division, National Gypsum Co., Buffalo, N. Y., July 26.

R. S. Hammond, General Sales Manager, Building Products Division, Johns-Manville Corporation, New York City, July 27.

John Ozurovich, President, Atlantic Asbestos Corporation, New York City, July 31.

Harry H. Heckroth, Vice President, Penn Supply & Metal Corporation, Phila., Pa., August 2.

C. W. Gregg, Treasurer & Director, The Flintkote Co., New York City, August 3.

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G. P. Reilly, Plant Manager, National Gypsum Co., Millington, N. J., August 5.

A. P. Keasbey, President, Robert A. Keasbey Co., New York City, August 6.

Paul C. Callopy, President, Acme Asbestos Covering & Flooring Co., Chicago, Ill., August 8.

John Dragisic, Vice President, Asbestos & Magnesia Materials Co., Chicago, Ill., August 9.

Grant V. Wilson, President, Grant Wilson, Inc., Chicago, Ill., August 11.

Matthew L. Ladden, President, Ladden Asbestos Corporation, Brooklyn, N. Y., August 15.

Ernest Muehleck, President, Keasbey & Mattison Co., Ambler, Pa., August 15.

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

CAPE ASBESTOS COMPANY LIMITED

Annual Meeting

The Annual General Meeting of Cape Asbestos Company Limited, of London, was held on June 21 and reports and balance sheets as of December 31, 1953 were submitted.

The Chairman, Robert Walker, reported that while the activities of the parent Company again yielded an improved profit, the Group as a whole was less successful during 1953. The Group's Trading Profit amounted to £1,038,963 compared with £1,407,058 in 1952.

At Barking there had been a year of steady progress, with notable improvements in manufacturing efficiency. The period of concentrating the textile operations with Acre Mill has virtually ended and the year's working of that factory showed a substantially improved result. At Uxbridge the board section has provided a greater contribution to revenue, and at Kentmere increased efficiency has been reflected in a higher profit. The Company's new Rocksil factory at Stirling, erected and in production in less than nine months, represents the result of teamwork and drive of a high order. Production which began in December has continued without interruption, and while there are yet difficulties to be overcome, it is hoped that this will become an interesting source of revenue in the near future.

MINING JOURNAL ANNUAL REVIEW NUMBER

The annual review number of the Mining Journal published in London (15 Wilson Street, Moorgate, London, E.C. 2) was issued in May and contained 264 pages. Many special contributed articles, reporting on the mining industry throughout the world during 1953 are among its contents. The contents can be roughly grouped as Metals, Mining and Metallurgical Developments, The World's Mining Fields, and Progress During the Year, covering the various mining fields.

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BESTOBELL (CANADA) LIMITED
Opens at Etobicoke

A new company, Bestobell (Canada) Limited, has opened its offices and plant at 4 Bestobell Road, Etobicoke, Toronto 14, (Queen Elizabeth and No. 27 Highway).

This company is the newest overseas subsidiary of an English firm, Bell's Asbestos and Engineering (Holdings) Limited. It will handle the complete range of products manufactured by associated companies, which include a wide variety of asbestos and engineering products under the trade name of Bestobell. These include textiles, heat and fire protective clothing, millboard, and the well known Mobrey magnetic glandless level switches. Also synthetic and silicone rubber moulded and extruded specialties for defense and general industry, designed to specifications; as well as valves and fittings, pressure gauges, moulded and plaited packings, etc.

Plans call for many of these products to be manufactured in Canada in the near future.

A modern warehouse will accommodate a large stock and and offers prompt shipping facilities to trade and industry in any part of Canada.

Bestobell (Canada) Limited will be operated by capable and experienced management. Canadian Manager is G. T. Thompson; Office Manager, R. G. Thomas.

PABCO

Pabco Products Inc., Insulation Division, has appointed Coast Insulating Products of 2316 San Fernando Road, Los Angeles 65, as their sole distributor-contractor in the Southern California area.

This brings together again an experienced, smooth functioning combination of personnel and interests which cannot fail to provide the ultimate in service to industry and the insulation trade in general.

Coast Insulating Products, a well and favorably known company established in 1928, has been acquired by a group headed by W. M. (Bill) Binford, J. S. (Josh) Baum, and J. E. (Jack) Ledterman.

The former services of Coast Insulating Products will be continued, to which will be added the products, services, and standards nationally associated with approved Pabco Engineering Service Units.

Bill Banford was one of the earliest members of the former Plant Rubber & Asbestos Work Los Angeles organization, serving in all capacities to and including that of manager. When Mr. Banford left the former Plant organization to take up other interests, he was succeeded, as manager, by another long-time and experienced Plant associate, Josh Baum. Now they and many of their former friends and associates have combined their talents along with their first love "Precision Molded" 85% Magnesia.

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ANNUAL REPORT OF CYPRUS ASBESTOS MINES

The 1953 report from the Inspector of Cyprus Mines has been received and we quote that part concerning the asbestos mines.

Cyprus Asbestos Mines Limited is operating at Amiandos, situated at an elevation of 4,500 feet on the Troodos mountain, an area in which asbestos has been known to occur from ancient times. Owing to its high altitude work ceases during the winter months, but during the summer as many as 2,905 workers are employed.

Nine mills were in operation and these treated 440,750 tons of raw material of the 1,782,459 tons quarried producing 6,694 tons of fibre of long grades and 7,561 tons of short grades. Comparative figures for 1952 were 1,842,403 tons of asbestos bearing rock quarried, 467,678 tons treated and 16,292 tons asbestos fibre obtained.

During the year 6,446 tons of long fibre grade and 2,754 tons of short fibre grade were exported, their value being £471,760.

The demand for long fibre grades was good during the year but market for short fibre was rather stagnant. The outlook for 1954 is believed however, likely to show some improvements.

Expenditure on construction work amounted to approximately £49,000.

The cement-asbestos factory utilized 278 tons of asbestos fibre in the production of sheeting. There was a good local demand for asbestos-cement goods and the quality of these has improved. Approximately 130,000 sheets, ridges, etc., were sold during the year. No export was made.

UNARCO APPOINTS NEW Sales Representatives

Rufus G. Siple, Des Moine, Iowa, has been appointed sales representative for "Unarco" heating units throughout the entire state of Iowa.

Mr. Siple, who has been engaged as a sales representative since 1947, is widely known in the building, heating and cooling trades.

E. H. Langdon Company, Seattle, Washington, has been appointed sales representative for "Unarco" heating and air conditioning units.

The Langdon Company, a partnership, is headed by *E. H. Ned" Langdon*, *E. P. Langdon*, *R. L. Langdon* and *T. C. Langdon* and was originally organized in 1926 as the Langdon-Faulkner Company. The name was changed in 1945, and a year later they moved into their own building at its present address.

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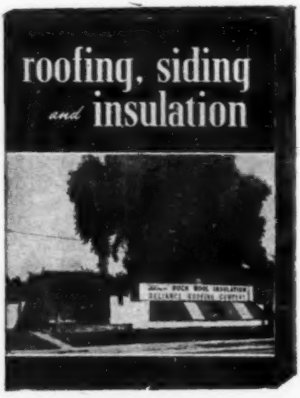
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JOHNS-MANVILLE—MUNRO MINE

Plans to develop underground asbestos mining facilities at the Munro Mine, 10 miles east of Matheson, Ontario, were announced recently by A. R. Fisher, President of Johns-Manville Corporation, following an inspection of company properties.

Sinking of an 800-foot main shaft, to be supplemented by a 300-foot service shaft, will start this summer. The new underground facilities will be in operation in about four years. Meanwhile, open pit operations which started in 1950 will continue.

Included in the plans is a permanent headframe which will also serve two other Johns-Manville main ore bodies in the area when demand for asbestos fibre warrants their development. The Munro Mine produces important grades of fibre not found at Asbestos, Quebec, where Johns-Manville owns and operates the Jeffrey Mine, largest known asbestos deposit in the world. The Munro fibre is particularly suitable in wet processes utilizing asbestos and cement for such products as Transite pipe, asbestos roofing and siding shingles and for the manufacture of asbestos paper.

Canada produces about two thirds of the free world's supply of asbestos fibre of all grades. Johns-Manville operations now contribute more than half of this.

The development at Munro Mine is the third large project to be announced in Johns-Manville's $18,500,000 expansion and improvement program for 1954. The others were an addition to the Johns-Manville plant at Waukegan, Ill., which will almost double its capacity for passenger car and industrial friction materials production; and a new synthetic silicates plant at the company's diatomite mine at Lompoc, California.

RAYBESTOS-MANHATTAN, INC.

An innovation at the New England Regional Automotive Show, Boston, was an automatic transmission clinic conducted by A. D'Andrea, Chief Service Instructor, Raybestos Division, Raybestos-Manhattan, Inc.

The service sessions were sponsored by the show management and attracted very favorable comments from the 350 mechanics who attended.

Mr. D'Andrea used a blackboard with movable props to demonstrate the action of the planetary gears, friction bands and plates, and of the hydraulic action including fluid couplings. With chalk he drew the movement of the fluid inside the transmission as he discussed it.

PLANT INSULATION CO. MOVES

Plant Insulation Company is pleased to announce the completion of new warehouse and office facilities now located at 2741 South Yates Avenue, Los Angeles 22, California.

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A. W. KOHLER

Arnold W. Koehler has joined the Deutsche Kap-Asbestwerke of Hamburg, Germany as their United States agent selling chrysotile and blue yarns, cloths and specialties, with offices at 400 East 49th Street, New York 17, N. Y.

Mr. Koehler joined Asbestos Textile Company of North Brookfield, Mass., in 1942 and was with them until control passed to Thomas L. Gatke in 1932. His duties were varied over the period, but ended up in charge of exports.

In 1934 he joined Cape Asbestos of London as American Sales Agent for manufactured products from England and raw asbestos from South Africa and this relation was terminated this year.

ASBESTOS STOCK QUOTATIONS

(These figures are compiled from the Commercial & Financial Chronicle. No guarantee as to their correctness.)

		June 1954		
	Par	Low	High	Low
Amer. Br. Shoe (Com))	np	32	38⅜	32⅝
Amer. Br. Shoe (Pfd) ....u	100	96	103	99½
Armst. Ck. (Com)	np	70	73	72½
Armst. Ck. (Pfd)	np	97	98½	97½
Armst. Ck. (Conv. Pfd.)	np	139	145	143
Asb. Corp. (Com)	np	28¾	30⅝	29½
Carey (Com)	10	19	20¼	19⅞
Cassiar Asb. Corp.	np	$6.05	$6.85	$6.45
Celotex (Com)	np	19¾	22⅝	22⅝
Celotex (Pfd)	20	17	17¾	17½
Certainteed (Com)	1	16¼	17¾	17¾
Dominion Asbestos Mines	1	22c	47¾c	27c
Flintkote (Com)	np	30⅞	34⅝	34⅝
Flintkote (Pfd)	np	99⅛	99⅛	99⅛
Johns-Manville (Com)	np	66¾	73	72¾
Natl. Gypsum (Com)	1	27⅛	30	30
Natl. Gypsum (Pfd))	np	101½	103½	103½
Pabso Products (Com)	np	16⅛	18⅛	17
Pabco Products (Pfd)	100	86	86⅞	86⅞
Ruberoid (New)	1	33¾	35¾	35¾
Ray-Man (Com)	np	42½	44	42⅞
Thermoid (Com)	1	6¾	7⅛	6⅞
Thermoid (Pfd)	50	40	41⅞	41⅞
Union Asb & Rub. (Com)	5	8½	8⅞	8⅞
United Asb. (Com)	1	$3.75	$3.95	$3.95
U. S. Gypsum (Com)	20	147¾	162	162
U. S. Gypsum (Pfd)	100	178	181	181
U. S. Rubber (Com)	5	32½	36⅛	35¾
U. S. Rubber (Pfd)	100	144½	148½	148

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BIRD & SON, INC.

James H. Van Hoy has been appointed Southeastern Division Manager in the Building Materials Division of Bird & Son, Inc., and *Baker L. Sears* as Southeastern Division Sales Manager, Building Materials Division. Mr. Van Hoy will be in charge of all operations at the new Charleston, South Carolina plant which is now under construction.

A member of the Bird & Son sales force for nearly 35 years, Mr. Van Hoy had been Southern Division Sales Manager since 1946. Early in his career he sold in Washington, D. C. for Bird & Son and in 1926 became the company's Florida salesman.

Mr. Sears has been a sales representative in the Bird Building Materials Division for 27 years, joining Bird & Son in 1924. He has sold for the company in eastern Ohio, West Virginia, Virginia and North Carolina.

CURRENT RANGE OF PRICE

As of July 10, 1954

Arizona—	Per Ton of 2,000 lbs., f.o.b. Globe, Arizona		
No. 1 Crude (soft)	$1,600.00	to	$1,700.00
No. 2 Crude (soft)	1,000.00	to	1,050.00
No. 3 Crude (soft)	450.00	to	500.00
Filter Fibre (soft)	250.00	to	450.00
No. 1 Crude (semi-soft)	1,200.00	to	1,500.00
No. 2 Crude (semi-soft)	900.00		
No. 3 Crude (semi-soft)	400.00		

Canada—	Per Ton (2000 lbs.) f.o.b. Mine		
Group No. 1 (Crude No. 1)	$1,100.00	to	$1,500.00
Group No. 2 Crude No. 2; Crude Run-of-Mine and Sundry	500.00	to	1,000.00
Group No. 3 (Spinning Fibre)	300.00	to	525.00
Group No. 4 (Shingle Fibre)	150.00	to	200.00
Group No. 5 (Paper Fibre)	100.00	to	140.00
Group No. 6 (Waste, Stucco or Plaster)			77.00
Group No. 7 (Refuse or Shorts)	35.00	to	70.00

Vermont— Per Ton of 2000 lbs. f.o.b. Hyde Park or Morrisville, Vt.			
Group No. 3 (Spinning & Filtering)	$ 321.00	to	$ 348.00
Group No. 4 (Shingle Fibre)	156.00	to	173.00
Group No. 5 (Paper Fibre)	109.00	to	132.00
Group No. 6 (Waste, Stucco or Plaster)			77.00
Group No. 7 (Refuse or Shorts)	37.00	to	68.50

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Imports of Asbestos by United Kingdom

Raw Materials	April 1954 Tons (2240 lbs)	May 1954 Tons (2240 lbs.)
From Union of S. Africa	4,741	2,840
Southern Rhodesia	14,135	4,401
Basutoland, Bechuanaland and Swaziland	4,008	1,598
Canada	10,059	6,653
Other Commonwealth Countries and the Irish Republic	499	10
Foreign Countries	298	5
	33,740	15,507

These figures were supplied by the Mining Journal Limited of London.

SITUATION WANTED

Experienced man in the production of Asbestos Cement Products. Would consider contacts outside the United States. Address: Box 7S-P, "ASBESTOS," 808 Western Saving Fund Bldg., Philadelphia 7, Pa.

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A new publication, "Five Steps to Productive Maintenance," has been announced as available from the General Electric Company, Schenectady 5, N. Y.

The 18-page bulletin, designated CEA-6087, provides detailed information on organizing to meet the demands that automation will make on your electrical maintenance program. Steps discussed include, (1) Gathering equipment data, (2) Determining extent of routine maintenance, (3) Establishing a routine operating control system, (4) Evaluation for critical maintenance, and (5) Establishing a critical maintenance program.

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C. DUDLEY ARMSTRONG
Passes Away

C. Dudley Armstrong, a Director and former Vice President and Secretary of the Armstrong Cork Company passed away recently at the home of his son-in-law.

Born in Wilkinsburg, Pa., Mr. Armstrong was the grandson of Thomas Morton Armstrong, the founder and first President of the Armstrong Cork Company, and son of Charles Dickey Armstrong, who succeeded his father as President of the Company from 1908 to 1929.

C. Dudley Armstrong retired as Secretary and Vice President in Charge of Foreign Operations of the Company in 1953, but remained on the Board of Directors, of which he had been a member since 1917.

A very comprehensive booklet entitled "GASKETS" was published in March 1954 by Power. This booklet contains a great deal of instructive information on the manufacture and use of gaskets, with illustrations. Copies may be obtained from POWER, 330 West Second Street, New York 36, N. Y.—price 60c each.

ASBESTOS-CEMENT MACHINERY

Wet machines with Auxiliaries for the production of 24" to 48" wide, flat or corrugated sheets in commercial lengths.

Fiberizing Equipment, Rotary Cutters, Wet and Dry Trimmers, Finishing and Texturing Machines.

Your inquiries are most welcome

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AUTOMOBILE SALES

	May 1954
Passenger Cars	497,062
Motor Trucks	91,226
Motor Coaches	273
	588,561

In May 1953, a total of 643,487 motor vehicles were sold. In the five months of 1954 the total was 2,938,605.

These figures were supplied by the Automobile Manufacturers Association, New Center Building, Detroit, Michigan.

The "Wildcat" is a new Johns-Manville rod packing developed especially for oil field slush pumps. It is engineered to provide these advantages: easy installation, effective sealing, trouble-free operation and longer life.

In design, this Wildcat Slush Pump Packing is a combination of solid and lip type packings. Sets consist of header and follower rings, which are both solid, plus the required number of lip-type rings.

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EASY TO USE . . . Thermalite is available in semi-cylindrical sections for pipe sizes up to 18″ diameter. It's light in weight, easy to handle and install, fits snugly over pipes.

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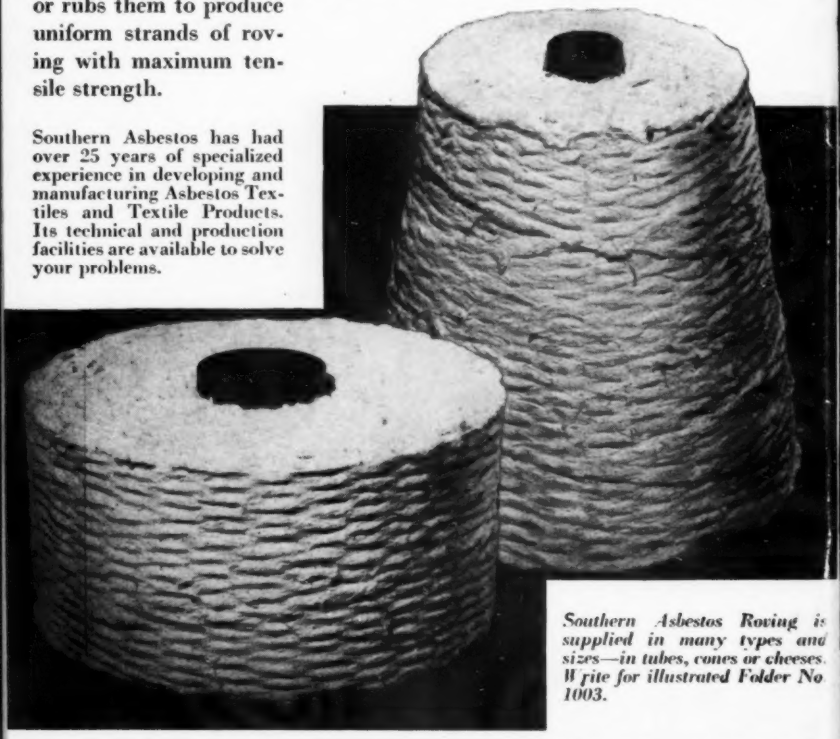
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Southern Asbestos has had over 25 years of specialized experience in developing and manufacturing Asbestos Textiles and Textile Products. Its technical and production facilities are available to solve your problems.



Southern Asbestos Roving is supplied in many types and sizes—in tubes, cones or cheeses. Write for illustrated Folder No 1003.

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