ASBESTOS



JULY - - - 1943

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ASBESTOS RM TEXTILES

STAR

"THE MEN AND WOMEN OF GENERAL ASBESTOS & RUBBER DIVISION OF RAYBESTOS-MANHATTAN, INC., HAVE ACHIEVED A SIGNAL HONOR BY CONTINUING THEIR SPLENDID PRODUCTION IN SUCH VOLUME AS TO JUSTIFY THE RENEWAL OF THEIR AWARD. THE NAVY DEPARTMENT EXTENDS HEARTY CONGRATULATIONS FOR UNITED EFFORT AND SOLID DETERMINATION AND ABILITY TO SUPPORT OUR FIGHTING FORCES BY SUPPLYING THE EQUIPMENT WHICH IS NECESSARY FOR ULTIMATE VICTORY."

THE ARMY-NAVY "E" PENNANT WITH ONE STAR IS FLYING AT NORTH CHARLESTON AS A HIGHLY APPRECIATED RENEWAL AWARD.

RAYBESTOS-MANHATTAN, INC.
INDUSTRIAL SALES DIVISION
FACTORIES
BRIDGEPORT, CONN. NO. CHARLESTON, S. C.
MANHEIM, PA. PASSAIC, N. J.

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"ASBESTOS"

FOUNDED IN JULY 1919 AND PUBLISHED
MONTHLY SINCE THAT DATE
BY SECRETARIAL SERVICE
17th FLOOR INQUIRER BUILDING
PHILADELPHIA, 30, PENNSYLVANIA

C. J. STOVER, *Proprietor*
A. S. ROSSITER, *Editor*

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PACKING MAINTENANCE AND EQUIPMENT CONSERVATION

By Fred D. Mosher

As the war effort rolls toward its maximum pitch, plant owners will feel more and more the pinch of equipment shortages; power plants in particular, because of increased loads, will feel the necessity for new machines and apparatus which will not be available. Thruout the country efforts are being directed towards the conservation of existing plant. Equipment which would be scrapped in normal times is being "kept on the line" by various methods of maintenance, many of which are ingenious and original.

In the maintenance program the possibilities for conservation thru good packing selection and application should not be overlooked; when this procedure is accompanied by correct methods of handling and installation, concrete results can be obtained. A packing will last only so long under ideal conditions, the ideal conditions being normal conditions of operation for a pump, engine, or compressor which is in first-class shape. The difficulty most frequently encountered is short life because of worn rods, severe service, and misapplication of an otherwise excellent packing.

Before a re-packing job is started the machine itself should be examined for defects. The defects so far as packing is concerned are scored cylinders (causing rods to run out of true and exert excessive pressure on the packing); scored rods resulting from a previous poor packing job; rods, reduced by wear, which were "corrected" by tightening of glands to the point of binding. The condition of the old packing should be carefully examined for hardness, cracking and deformation. Assuming the machine itself to be in good condition, and the old packing to be shrunk, dried out, and hardened, it is a safe conclusion that the old packing had seen the end of its useful life some time in the past. For example, pure asbestos plaited with wire insertion is recommended for high duty feed

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Johns-Manville Photo

Boiler Feedwater Pumps are Important Elements in Every Power Plant. Packings Must be Maintained for Good Service.

pumps. and it may also be used quite successfully in hot water circulating pumps operating at low pressure. In the feed pump it may be necessary to renew the packing at least every three months while the packing in the low pressure pump will give good service for a year without renewal.

Each pump, or other piece of equipment should be considered as an individual packing problem. It is bad practice to lump machines together, regarding each packing installation as "routine." For example, changing the operating conditions of a pump may materially affect the wear of packing. In old pumps shortening of the stroke may ease binding on the packing to the point where outages for packing are cut in half. Reducing the temperature a few degrees may prevent the fluid handled by centrifugal pumps from wearing the packing abnormally. Piping to seals or stuffing boxes must be maintained to provide ample flow and the gland itself must permit a trickle to leak at all times; failure to meet these requirements will multiply and complicate packing troubles. The packings of centrifugal pumps used in severe service should be examined at least every two months; it is often neces-

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sary to pack such pumps that often. When packings are allowed to become hard, rods will cut, and when this takes place trouble begins. Scored shafts cause a reduction in efficiency, increase in power, and eventually mean expensive repairs.

For small centrifugal pumps handling water, oil, or chemical solutions packings of long fiber asbestos yarn, either twisted or braided into coil form, is recommended. If the packing is not pre-lubricated, it should be lubricated and graphited before it is installed. For heavy duty pumps of the centrifugal type a packing made up of long fiber asbestos yarn with wire insertion, braided over a metal core, will give good service. The packing must be lubricated and graphited and where the temperatures are high the lubricant must be heat-resisting in nature.

When centrifugal pumps are repacked care must be taken to use packings of uniform thickness. Centrifugal pumps generally operate at high speed, and non-uniformity of packing thickness causes shaft deflection which at high speed may result in actual breaking of the shaft. The packing should be packed loosely in the gland after the gland has been cleaned of all old packing and grit accumulations. The *size* of the packing should be determined *exactly*. Mandrels of shaft size are used frequently for the purpose of making packing cuts accurately. Lengths of packing must never be wound on the shaft. The packing should be cut in rings allowing from one to three-sixteenths clearance for expansion. Clean cuts are desirable and such cuts can be obtained by binding the packing with tape or string at the points where cuts are made. Whether the joints are beveled or butted is a matter of choice, but general opinion is that there is less danger of making an uneven joint with square ends.

Each packing ring, as it is installed in the stuffing box, should be completely seated before the next ring is added. The joints should be staggered about 90 degrees apart running in a clockwise direction. New packing should be compressed in a stuffing box by taking up the gland tightly; the gland should then be backed off and made only hand tight which ought to provide liberal leakage around the shaft. While "breaking in" new packing on

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Carey HEAT INSULATIONS



Careycel—For temperatures up to 300° F.

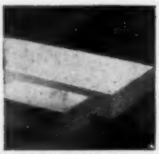
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CAREYDUCT—

the all-asbestos duct for conveying conditioned air. Combines duct and insulation. Fireproof, sound-deadening, permanent, economical, easily erected.



Cut-out view of CAREYDUCT—assembled sections showing staggered joint construction and taped outer jacket. Smooth appearance.

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Dependable Products Since 1873
IN CANADA: THE PHILIP CAREY COMPANY, LTD., [illegible]

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a large pump care must be taken to prevent the shaft from overheating; additional hand lubrication may be necessary to accomplish this. When the new packing has been "worn in" and conditions are normal with regard to shaft heating, the leakage ought to be adjusted by taking up on the gland, and should it be necessary an additional ring of packing should be added to fill the stuffing box.

Packing troubles in machines equipped with packing lanterns may give trouble if repacking is not done properly. Refrigeration compressors are examples of this type of packing arrangement. When new packing is added to a stuffing box fitted with a lantern, care must be taken to replace the packing beyond the lantern ring at the bottom of the stuffing box and see that the sealing fluid connection to the ring is not blanked with packing. Trouble will definitely develop if the shaft is not lubricated. The lantern itself must be located in the stuffing box in such a way that it will be advanced correctly as the packing is taken up.

Starting operations have much to do with the wear and tear on the packings. This is particularly true of ammonia compressors. When a compressor is started the initial period of running almost always causes overheating of the rod, which is hard on the packing. Generous swabbing of the rod with oil during the starting period will prolong packing life, and make packing outages less frequent.

The handling of the apparatus itself has great bearing on how long it will give useful service, how frequently it must be overhauled, and what must be done to maintain it in running condition. This is especially true of pumps, and other equipment which require frequent packing. Pumps which remain idle for extended periods must be packed regularly even tho they get very little service. When installed in such pumps packings age and gradually deteriorate to the point of uselessness. Such pumps should be operated at frequent intervals to prevent sticking of shafts and rods. Where it is not convenient to operate the pump with power, means for hand operations should be provided. When this practice is followed the packings

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ASBESTOS

in the all-out drive for Victory

In every important war industry and in the production of almost every vital unit of military or naval equipment one or more of Johns-Manville's 1200 products is being used. Twenty-four hours a day, seven days a week they are pouring forth from the J-M factories . . . helping to hasten the ultimate victory that will assure the continuation of the free way of life that has made America great.

Johns-Manville owns and operates Asbestos Mines in Arizona and Canada, fifteen factories located strategically across the continent, sales offices in all large cities and a large, scientifically equipped research laboratory in which J-M Engineers and Scientists are constantly developing new uses for this remarkable mineral, Asbestos.

For complete information on J-M Asbestos Products or raw asbestos in a wide range of grades and fiber lengths, write to any J-M office or distributor.

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are kept free and pliable, which adds to their life.

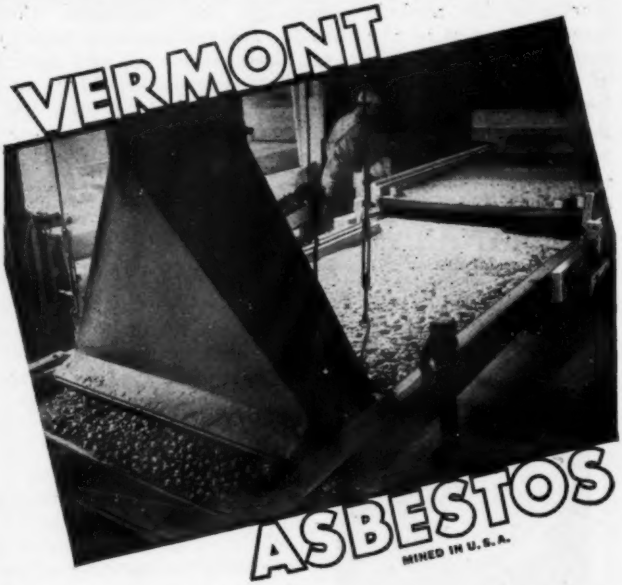
It is wrong to attempt to correct pump wear by the continuous addition of new packings. The source of the trouble still exists under such conditions and neglect makes frequent packing necessary and forces outages. When rods are worn to the point where new packings are ruined in short time, the rod ought to be turned down and the gland machined and fitted with a bushing so that normal packing life can be restored. It is axiomatic that fundamental pump troubles can never be corrected with packing. One of these troubles is excessive wear. However, it happens occasionally that it is important to keep a pump running altho the rod has become badly worn. At such times a properly fitted packing will keep the pump in service and prevent further wearing. Soft packings must always be used for these expedients, and they must be cut to suit the rod. A soft packing made up of a combination of cotton and asbestos wrapped around a soft, non-hardening core, is recommended. The packing should be impregnated thoroly with lubrication and graphite.

A few general rules should be constantly kept in mind:

1. Even tho it may require extra effort, only packings of the correct size should be used. A job done with oversize packings is a poor one; they are difficult to install and friction troubles are a result.
2. Packings will not correct for wear, misalignment, or scored rods. Packing can never take the place of a bearing, since its function is to seal and not support.
3. Slight leakage is always desirable. Where leakage cannot be permitted steps should be taken to introduce lubrication in the form of water, oil, or grease. Do not run packing *dry*.
4. Packings must fit properly and without forcing of any kind. Very few packing jobs require forcing. Packings should slide in place freely, take up easily, and seal adequately.

Packings should be stocked in such a way that several applications may be found for a single packing which

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Clean, well fiberized asbestos particularly well suited for the manufacture of the better types of

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SHINGLES • PLASTIC CEMENT • INSULATING CEMENT
MOLDED PLASTICS • ASBESTOS PAPER • MILLBOARD

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will tend to simplify maintenance problems. The actual storing of the packing should get some attention. Containers ought to be provided for storage and each packing container should carry a tag listing the uses and service of the packing inside. The storage space should be well lighted, dry, and reasonably cool. Never return used packing to stock. Packing is much cheaper than equipment, and easier to obtain.

CAREY PRODUCES NEW CONDUIT AND COUPLING

A new asbestos-cement conduit, intended principally for cable installation, is now being produced by the Philip Carey Mfg. Company. An outstanding feature of the conduit is the exclusive "Flexcaulk" coupling, made expressly for and supplied with the conduit, and using no critical materials.



Flexcaulk Coupling

"Flexcaulk" coupling (see illustration) consists of a tubular housing of tough, rigid, blow-resisting asbestos-cement, to which is bonded a liner of time-resisting mineralized asphalt compound, formed into a barrier-type, tapered liner. Because of its special construction, "Flexcaulk" coupling is said to add a new flexibility without sacrificing any of the desirable characteristics of a conventional type of coupling of unusual strength. It is said to permit a flexible, self-aligning, water-tight joint of exceptional quality when properly assembled with a special, joint-sealing compound.

The conduit is made in two thicknesses, for installation with or without concrete encasement. It can be assembled rapidly and cheaply, and is easily cut on the job. Only unskilled labor and simple tools are required.

Further information can be obtained from the manufacturers.

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Manufacturers of a complete line of asbestos products including:

ASBESTOS-CEMENT SHINGLES	ASBESTOS-CEMENT SIDING
ASBESTOS-CEMENT WALLBOARDS	ASBESTOS MARINE INSULATIONS
ASBESTOS ELECTRICAL MATERIALS	ASBESTOS-CEMENT PIPE
ASBESTOS AND MAGNESIA PIPE AND BLOCK INSULATION	ASBESTOS PAPER & MILLBOARD
	ASBESTOS TEXTILES
ASBESTOS PACKINGS	ASBESTOS LUMBER
ASBESTOS CORRUGATED	ASBESTOS ACOUSTICAL MATERIAL

Today, all of these K&M products are playing an important role in the War Program; contributing in many different ways to its ultimate success. For the duration, the Nation will continue to have first call on all K&M plants and employees.

Nature made asbestos. Keasbey & Mattison has made it serve mankind . . . since 1873.

KEASBEY & MATTISON COMPANY, AMBLER, PENNA.

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ARE WE AMERICANS BECOMING TOO OPIMISTIC?

A few days ago a woman, who had two sons in the armed services, remarked that "people say the war will be over sooner than we think."

And we find this idea prevails in the minds of many people. It comes, principally, we suppose, from reading the very encouraging headlines which have been pervading the newspapers since the surrender on the Tunisian front —U. S. Bombers Pound Bremen—Pantelleria Surrenders to Allies—U. S. Subs Sink 12 Jap Ships—U. S. Air Fleet Battles Ruhr—Japs Lose 77 of 120 Planes—combined with "wishful thinking."

All who have sons or relatives or even friends in the armed forces (and who of us do not) cannot help wishing that the war was over and the "boys back home again." Nor can anyone be especially blamed over much for getting the idea that we are well on the road to victory.

The danger lies in our relaxing effort on the production end as the result of such thinking. No matter how encouraging the headlines are; no matter how many planes are downed or U-boats sunk; no matter how many islands in the South Pacific are captured, or how many Jap air bases are destroyed, there should be not one iota of let-down in our production program.

All of us from the president of the largest corporation, down to the humblest workers in the smallest factory, should keep his part in the production of war materials and munitions products at the highest possible pitch.

Wouldn't the Germans and the Japs be pleased if they found our production curve of planes, ships, bombs, taking a giddy, downward dive!

Well, we have faith enough in the American people to believe that they won't let this happen—that they *will* keep up their end—the production end—and stand solidly back of our boys who are doing the actual fighting.

We absolutely cannot afford to relax our effort or our vigilance for one minute—we must, on the other hand, see that the curve goes upward. It's up to *you and me!*

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UNARCO

INSULATION
FOR MARINE, RAILROAD,
AVIATION AND INDUSTRIAL USE

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TWO ARMY-NAVY "E" AWARDS FOR EXCELLENCE IN WAR PRODUCTION
ONE TO THE CICERO, ILLINOIS PLANT; ONE TO THE PATERSON, N. J. PLANT

UNION ASBESTOS & RUBBER COMPANY

Offices: CHICAGO, NEW YORK, SAN FRANCISCO • *Plants:* CICERO, ILL., BLUE ISLAND, ILL., PATERSON, N. J.

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POST-WAR POSSIBILITIES

This World War II will stand out in industrial history as a period of intense and rapid development of natural resources.

Never have there been so many new products devised, new processes worked out or chemical and physical discoveries made in so short a time as in the past few years.

A dozen could be named, but one which seems especially important at the moment is mentioned in a recent issue of Domestic Commerce.

At the 1939 San Francisco World's Fair magnesium was a structural curiosity. A chemical company distributed at the Fair small samples of this metal which had been obtained from sea water as a by-product in the extraction of bromine and other chemicals.

Today there is a huge basic magnesium plant operating in Nevada, and an average of approximately half a ton of magnesium is going into every large American fighting plane built. After the war the nation's capacity for producing magnesium will be more than double our national aluminum output in 1939, and there is little doubt but that we shall find uses for it which will absorb most of this huge production. Practically no effort has been made to find markets in the face of the demand for it in war materials.

This is just one of the things which must be pigeonholed at present to be brought out and dusted off for use and business expansion in our post-war activity.

THE COVER FOR OUR 25th VOLUME

This, the July number, begins our 25th volume.

The new cover has been planned along the lines of wartime simplicity. The piece of crude asbestos rock depicted was lent us by the Keasbey & Mattison Company and the photograph portrays the rough, fibrous quality of crude asbestos just as it comes from the mine. Split open, the fibres would be soft and silky. The piece of crude came from the famous Bell Mine at Thetford Mines, Canada.

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MANPOWER--FUEL--TIME

Saved by 85% Magnesia Insulation

Insulation often saves man power and time as well as fuel. In view of the current labor shortage, that sales appeal is a good one to keep in mind. And here's a case that well illustrates the point.

A road contractor in Los Angeles was using an old-style steam shovel with an uninsulated boiler. The shovel wasn't used at night, so the boiler cooled completely during those hours. As a result, the contractor had to have one man come to work from two to three hours early to get up steam—paying him time and a half because he had to report so early.

A progressive insulating salesman happened along and noticed the uncovered boiler. "If asbestos insulation won't cut your fuel costs by one-third or more, I'll pay for the job and give it to you," the salesman offered. It was covered with 85% magnesia insulation.

Ten days after the job was done, the contractor telephoned that he was mailing a check. The change had not only greatly reduced his fuel bill but had also saved him from two to two and a half hours of overtime per day.

The man who fired up the boiler in the morning had to report only a half hour ahead of time. The insulation held enough heat thru the night that the water was hot and from 1 to 3 pounds of steam actually remained in the morning. Since the water was never cold, the fuel required for first heating was saved completely.

. . . —

If what you did yesterday seems big to you, you haven't done much today.



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ASBESTOS FRICTION ADVISORY COMMITTEE MEETS

A meeting of the Asbestos Friction Material Industry Advisory Committee was held in Washington during the first week in June, and its report indicates that the Committee is doing good work.

At the meeting it was announced that preliminary information concerning the general outlook for supplies of phenolic resins and asbestos textiles will be available from the Cork, Asbestos and Fibrous Glass Division by the 5th day of the month preceding the month for which allocations are requested. Thus preliminary information on prospects for supplies of phenolic resins and asbestos textiles for August was available any time after July 5th.

A representative of the Fats and Oils Branch of the Department of Agriculture discussed the oil supplies situation in relation to the asbestos friction material industry and urged members of the industry to examine the possibility of substituting other oils, such as dehydrated castor oil, treated fish oil or cashew nut shell liquid and/or its derivatives for *tung* (China wood) oil. The supply of tung oil is very limited, and an extremely critical situation confronts the entire drying oil consuming industry. The Fats and Oils representative stated that linseed oil also would be available and that treatment of fish oils had progressed to a point where he believed they could be used satisfactorily in friction materials.

The meeting recommended that all users should endeavor to utilize the molded type of friction material rather than the woven type because of the shortage of asbestos textile fibre.

A representative of the Rubber Director's office forecast that Buna S synthetic rubber would be available for *brake lining and clutch facings* in three or four months.

The meeting recommended that the War Engineering Board of the Society of Automotive Engineers review its previous reports on friction materials for the purpose of suggesting types of military automotive equipment that could use molded friction material effectively. *(cont'd)*

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ASBESTOS CORPORATION LIMITED

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The report of this meeting is covered by Release WPB-3778, which may be obtained by writing the U. S. Information Center, 1400 Pennsylvania Ave., N. W., Washington, D. C.

THE HEART---AND ASBESTOS

A most curious use for finely ground asbestos fibre was mentioned recently in Jeff Keen's column (Philadelphia Record).

The newspaper item stated that a noted surgeon had treated functional heart ailments by injecting powdered asbestos into afflicted parts of the heart and then encasing that organ with the same material.

The Philadelphia Heart Association inquired among its membership with the result that they have it on good authority that the use of both asbestos and talcum powder for the treatment of heart diseases is not new, but has been in use in England for some time. It is supposed that the injection of asbestos powder mixed with talcum powder into the heart produces adhesions and is beneficial in cases of coronary disease and angina pectoris. This, we understand, has not been proven and the physician contacted by the Association was very skeptical about it.

The method was demonstrated in the Scientific Exhibit of the last American Medical Association Convention, but only an autopsy can prove whether it has been successful or not and so far there have not been sufficient autopsies to prove or disprove the theory.

LOCKERS OF ASBESTOS BOARD

Asbestos Sheathing is replacing metals in many ways. One of them is described in The Carey Clearing House (April issue), which shows a photograph of very neat lockers, designed particularly for use in plants and factories. The lockers are made of Careystone flat sheathing.

The sheathing can be easily worked by plant carpenters or maintenance men, and the lockers can therefore be built as easily as wooden lockers and are more satisfactory because they are easily cleaned, are fire and rodent proof and need no painting or other finish.

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Head Office

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Mines

Thetford Mines, Quebec
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Producers of All Grades of

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UP — FROM DW

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Deep in the rain-starved Great Plateau area of Australia lie quantities of fine high-grade Blue Asbestos. 200 miles of arid desert challenge its transportation to the sea . . . 200 miles of sand and heat, to test the mettle of men who mine this precious mineral. When trucks are no longer available, trusty camels — "ships of the desert" — are called into service, carrying water and food into the mines — returning to the sea with valuable cargoes of Asbestos. Then begins the long voyage of 12,000 miles to America, where this fine

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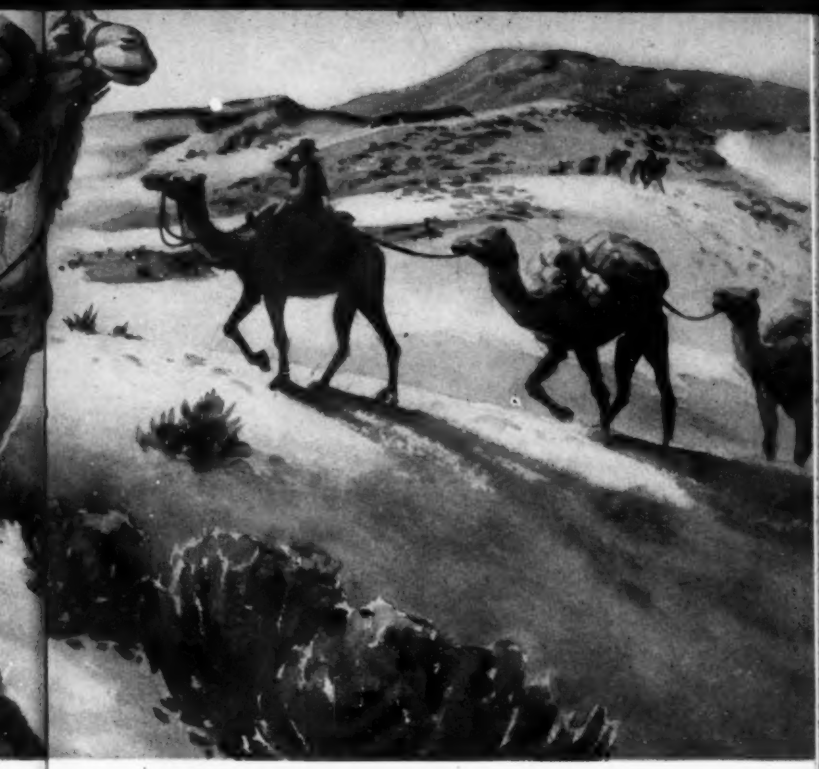
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8 WEST 40th STREET, NEW YORK, N. Y. . . . 27 SIMMONDS ST., JOHANNESB

EVERY TYPE OF RAW ASBESTOS CARRIED IN STOCK: ARIZONA • AUSTRALIAN • BOLIVIAN • CAN CHINES

Manufacturers of *Asbestos Cement Board and Cyprus Asbestos Siding* . . . Creators and active m

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Ama — from below the Tropic of Capricorn

"Australian Blue" is used in a large measure in war production.

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In spite of the tremendous hardships and problems of transportation, vital raw Asbestos is brought to America by Asbestos Limited Inc., the only company in America that specializes in the supply of raw Asbestos from every known source . . . to provide the right type of Asbestos for every specific need—for American industry and Victory!

If you are manufacturing for war purposes, possibly we can assist you to conserve asbestos...and to obtain better results. Your inquiries will receive our prompt attention.

TRADE MISTERED

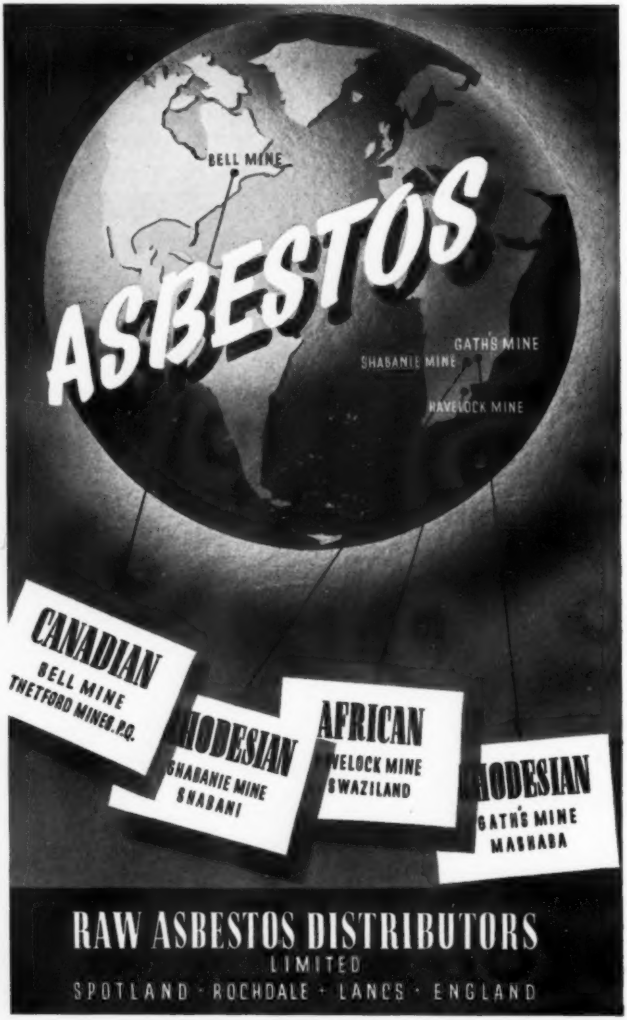
OS MITED INC.

T., JNESBURG, SOUTH AFRICA . . . WORKS: MILLINGTON, NEW JERSEY

• CAN CHINESE • CYPRUS • INDIAN • RHODESIAN • RUSSIAN • SOUTH AFRICAN BLUE AND YELLOW

tors active manufacturers of *New Era Insulation*, lightest rigid insulation for all temperatures

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MARKET CONDITIONS

GENERAL BUSINESS

As has been remarked previously, it is impossible to give in two or three paragraphs any adequate idea of business in general. In fact, nothing we could say would apply to all business equally. Some lines are affected adversely by one factor, another line by some other influence.

In the smaller plants or local industries it is a problem to cope with the various regulations, necessary or otherwise, which are being constantly required; the large plants have the same difficulties but multiplied over and over.

Added to all the other inconveniences and troubles, shortage of manpower is daily becoming more and more of a problem. One of our correspondents writes that his factory could show a greater production if they had the manpower necessary, and this in a line which is essential to the war effort. Even if men, or women, could be gotten to do the work, they would have to be trained, and this takes time.

There seem to be three main objects to accomplish—keep war production up to the highest level possible; conform without grumbling to the requirements of the various government agencies; make enough money to pay taxes and make a decent living.

ASBESTOS - RAW MATERIAL

There is still a shortage of long grades of spinning fibre, but it is believed that the efforts of Canadian Producers to increase their output of long grades of fibre will help the situation somewhat.

Efforts are also being made by the textile manufacturers to substitute other products (asbestos products) for certain asbestos textiles in certain places and for certain purposes, and this may alleviate the fibre situation to some extent.

Some success has also been attained in the blending in of somewhat shorter fibres with the longer ones, thus *stretching* the supply of longer ones.

Despite all this, demand for the longer mill, or spin-

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ning fibres, is said to be increasing rather than decreasing.

Reports have reached us to the effect that the supply of asbestos fibre from South Africa is satisfactory at present with the exception of Crocidolite (blue)—contracts for a larger tonnage of that type would be desirable.

Another report stresses the fact that manpower shortage on the manufacture of certain products, which would ordinarily consume large tonnages of the shorter grades, have resulted in the reduction of manufacture of some items which take these grades.

Prices of all grades are steady, and the ceiling on asbestos fibres, which has been in effect for some time, should naturally keep them so.

ASBESTOS-MANUFACTURED GOODS

Asbestos Textiles. Demand for asbestos textiles continues to increase, with prices remaining steady. Cloth and listing appear to be most in demand; in fact, the call for the latter is reported to be for far greater quantities than are available.

The allocation plan (M-283)[1] which has now been in effect for the past four or five months is said to be working out fairly well.

As mentioned above, the fibre problem of asbestos textile manufacturers has been solved to some extent by certain new blending processes. Now comes the manpower shortage. One manufacturer reports that new textile equipment could be made available to take care of increased demand, but there would be no point in installing it when there is no one to operate it. Those plants which may have sufficient labor to operate the equipment they already have, find the question of training a difficult one to answer. In fact, some manufacturers have only a handful of employees sufficiently trained to be really able to produce efficiently, in some cases cited only a very few employees in the plant have been in the textile trade more than six months. Under these conditions it is difficult to produce to capacity.

Brake Lining. In the brake lining market both demand and prices are said to be steady. Total sales for domestic consumption in May increased over May of last year as

[1]See page 10, March 1943 "ASBESTOS."

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LIGHT WEIGHT

is achieved in

PLANT

PRECISION MOLDED

REG. U.S. PAT. OFF.

85% MAGNESIA

"THE DEPENDABLE STANDARD—MODERNIZED"

U. S. Patent Nos. *2,131,374, 2,209,752, 2,209,753, 2,209,754*

COMPLETE RANGE OF SIZES AND THICKNESSES IN BLOCKS AND PIPE COVERINGS

(In sectional form up to and including 18-inch pipe size.)



PLANT RUBBER & ASBESTOS WORKS

Manufacturers of Plant Insulating Materials and Mechanical Packings Since 1920.

MAIN OFFICE: SAN FRANCISCO

Sales Offices in Los Angeles, Wilmington, and Oakland, Calif.; distributors in principal cities.

Factories in Emeryville, San Francisco, and Redwood City, Calif.

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well as over the previous month. Export sales, however, decreased from the May of the previous year, but showed a slight increase over April, 1943.

Paper and Millboard. The demand for both asbestos paper and millboard is said to be decreasing somewhat, with prices steady. However, several manufacturers also report that the trend appears to be for increased demand.

Insulation. Low Pressure. There is little change in this market; both demand and prices are reported by most manufacturers as steady.

Insulation. High Pressure. The High Pressure market is still very strong; demand, if changing at all, is on the increase. Prices are firm.

Asbestos Cement Products. Manufacturers report that since the Government has issued order L-41-d, thus eliminating certain restrictions on the use of asbestos shingles and siding, there has been a marked increase in demand, and this is especially true so far as the dealer and contractor trades are concerned. Total demand, however, is less than a year ago.

As to corrugated and flat sheets, there is a substantial demand for wallboard, and a good demand for both corrugated and flat sheets for industrial use; in fact, business for small industrials seems to be on the increase.

Shortage of labor in the factories is causing some concern, as it has reduced the industry's production capacity. Prices are steady.

The above is a consensus of opinion compiled from reports by men familiar with conditions in the various markets. Opinions are always welcomed.

ASBESTOS BOARD FILES

Asbestos Board is gradually replacing steel in many small ways, thus saving steel for war equipment where substitutes cannot be used.

A recent illustration of this is a filing cabinet made[1] of asbestos-covered fibre board.

It is claimed to be positively non-inflammable, is verminproof, and is said to possess all the features of the steel reinforced fibre board files made by the same firm.

[1]By the Guide System & Supply Co., 335 Canal St., New York City, under trademark "FireFoe."

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For fabricating non-metallic air ducts, etc., from Asbestos Cement board, Transite, Masonite and similar materials

ATLAS ADHESIVE #1770

MANUFACTURED BY

Atlas Supply Co.

4520 High Street, Philadelphia, Pa.

Makers of adhesives for cork, Fiberglas, rock cork and all types of insulation

WRITE US FOR INFORMATION AND PRICES

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CONTRACTORS AND DISTRIBUTORS PAGE

THE INSULATION CONTRACTOR'S JOB

There is the story of the farmer who was leaning against a fence, chewing a straw. A solicitor for farm journal subscriptions approached him and said: "Wouldn't you like to subscribe for this publication 'Farm Efficiency'? It will show you how to do a better job of farming."

"Naw," drawled the farmer, "I ain't doin' near as good as I know how to do now."

This is true of a large number of those responsible for the management of large or small industrial plants, and for the burning, and wasting, of fuel in those plants. They don't pay the bills themselves and are therefore inclined to let things slide.

They probably have heard of insulation; they know, in some cases very well and in others vaguely, that insulation will save fuel, but they are content to drift along until something comes up which brings the situation forcefully home to them.

Now is the time for the insulation contractor to step in and stress insulation, the fuel it saves, and the increase in power it helps to give. And there are other advantages in using pipe and boiler insulation which will appeal to insulation prospects at present. If you do not have figures and illustrations, your source of supply will be glad to furnish them. Some of the installation stories in "ASBESTOS" will help develop sales talk—for instance, the one on page 15 of this issue.

BUILDING

Construction contracts awarded in the 37 eastern states during May amounted to $234,426,000, according to F. W. Dodge Corporation. This represents a decline of 23 per cent from the preceding month and is just slightly more than one-third of the $673,517,000 recorded in May, 1942, when war construction was at a very high level.

All three major construction types followed the same pattern with the largest dollar decline from last year appearing in non-residential building which registered only $75,301,000 in May, 1943, as compared with $297,885,000 for May a year ago. The greatest drop was in the manufacturing building classification. Counter to the general down-trend, were two classifications, hospital and institutional buildings and social and recreational buildings. Both classifications reached totals approximating those of May, 1942, and both are about 50 per cent ahead of last year on the basis of the cumulative five months' record.

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Total residential building, amounting to $63,291,000 in May, was 57 per cent below May, 1942, and 20 per cent off from April. The gain in multi-family dwellings was more than offset by the decline in the one and two-family classification.

Heavy engineering work, comprising all types of public works and utilities, was down 59 per cent from the $227,668,000 recorded in May, 1942.

. . . —

A NATIONAL CONTRACTORS ASBESTOS ASSOCIATION is proposed by the Asbestos Contractors Association of New York, principally for the purpose of dealing with the labor unions. Insulation contractors all over the country are asked to submit ideas and suggestions to A. P. Sheridan, Secretary of the Asbestos Contractors Association of New York, 328 E. 34th Street, New York 16, who is working on this movement. Further developments will be published in later issues of "ASBESTOS."

. . . —

CORK, According to Release WPB-3866, dated June 14th, overall cork stocks in this country are at an all-time peak and potential supplies available in Portugal, Spain and North Africa. The Government stockpile of cork is therefore to be reduced and sales of Government-owned cork will be made to industry shortly. Further information can be obtained from the Cork, Asbestos & Fibrous Glass Division of the War Production Board.

. . . —

THE TWELVE ESTIMATING TABLES ($1.00 per set) will help your Estimators to figure correctly various flange, fittings and other areas. Order from "ASBESTOS."

. . . —

THE MANUAL OF UNIT PRICES, for figuring net unit prices on pipe covering and blocks (30c per single copy, or 25c each plus postage or expressage when 10 or more are ordered) will also be found helpful.

Send all orders to "ASBESTOS," 17th Floor, Inquirer Bldg., Philadelphia 30, Pa.



TEST

. . . the added sales volume awaiting you among the nation's roofing and siding contractors. Write to . . .

AMERICAN ROOFER and SIDING CONTRACTOR
425 Fourth Avenue, New York City

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NEWS OF THE INDUSTRY

BIRTHDAYS

Clifford F. Favrot, Partner, R. J. Dorn Company, New Orleans, La., July 18.

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

L. B. Page, Pittsburgh, Pa., July 18.

J. F. D. Rohrbach, Vice President, Raybestos-Manhattan, Inc., Bridgeport, Conn., July 18.

R. S. King, President, Philip Carey Manufacturing Co., Lockland, Cincinnati, Ohio, July 21.

M. T. Rhodes, John M. Watt's Sons, Philadelphia, Pa., July 21.

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

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

George R. Weber, Vice President, Raybestos-Manhattan, Inc., Manheim, Pa., July 25.

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

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

S. R. Zimmerman, Vice President, Raybestos-Manhattan, Inc., Manheim, Pa., August 1.

Arthur C. Sprinkmann, Vice President, Sprinkmann Sons Corp., Milwaukee, Wis., August 3.

J. A. Whittaker, Secretary-Treasurer, Crandall Packing Co., Palmyra, N. Y., August 6.

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

Paul C. Collopy, President, Acme Asbestos Covg. & Flooring Co., Chicago, Ill., August 8.

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

O. W. Trumbull, Vice President and General Manager, Greene-Tweed & Co., New York City, August 12.

W. L. Steffens, Vice President, The Philip Carey Manufacturing Co., Lockland, Cincinnati, Ohio, August 13.

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

Herbert E. Smith, President, United States Rubber Co., New York City, August 16.

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

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• BLUE ASBESTOS

The Cape Asbestos Company, Ltd., is the world's largest supplier of acid-resistant blue crocidolite asbestos, and the only manufacturer operating its own mines. Inquiries solicited on:

MILLBOARD YARNS
ROVINGS POWDER CLOTHS
PROCESSED FIBRES
Unexcelled for use in
ASBESTOS CEMENT PIPES

• AMOSITE ASBESTOS

This fibre owing to its great length and bulk is unrivalled for use as an insulating medium in:

Asbestos mattress filler
85% Magnesia Insulation

The CAPE ASBESTOS CO. Limited
Morley House, 28-30 Holborn Viaduct, London, E.C.1.
FACTORY, BARKING, ESSEX

United States Sales Agent:
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415 LEXINGTON AVE. NEW YORK CITY
TELEPHONE—VANDERBILT 6-1477

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Photo—Schutz

The Cork, Asbestos and Fibrous Glass Division of the WAR PRODUCTION BOARD
(See opposite page for names)

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PHOTO-CORK, ASBESTOS & FIBROUS GLASS DIVISION

The photo on the opposite page shows the personnel of the Division of WPB which handles asbestos matters. So that they may be easily identified, names are as follows:

Seated, left to right:

Utley W. Smith, Deputy Chief, Asbestos Section.
Lucian Wickham, Staff Distributions Officer.
S. L. Mathewson, Staff Resources Officer.
William T. Meloy, Deputy Director (since advanced to Director).
Fred W. Gardner, Director (since made Director of the General Industrial Equipment Division).
George F. Stone, Chief, Asbestos Section.
M. R. Compton, Jr., Chief, Cork Section.
J. E. Cole, Chief of Textiles Unit, Asbestos Section.

Second Row (standing):

Joseph L. Walton, Deputy Chief, Cork Section.
L. E. Hall, Chief Statistician, Asbestos Section.
Frank F. Holstein, P. R. P. Specialist.
Gregg L. Shoemaker, Building Materials Unit, Asbestos Section.
L. L. Hansen, Statistical Analyst, Asbestos Section.
Harold Perrine, Deputy Chief, Fibrous Glass Section.

Directly back of Mr. Holstein—Sidney Butz, Textiles Unit, Asbestos Section.

Directly back of Mr. Stone—Mrs. Pauline Lichty, Administrative Officer.

The young ladies in the background take care of the stenographic and clerical work of the Division.

The whole staff stands ready and willing to help you and hopes that you will call upon them when their help is needed.

See Page 36 for changes in titles, made since this photograph was taken.

—:—

CANADIAN JOHNS-MANVILLE CO., LTD., at Asbestos, Que., in an effort to assist its employees with their Victory Gardens, provided land rental free. The company also ploughed and harrowed all employee garden plots free of charge, whether on company land or private property. About 160 employees took advantage of company land for plots (amounting to approximately 12 acres), and 186 employees had their private plots ploughed and harrowed.

L. J. MILEY CO., INC., Chicago, recently acquired the machinery, equipment, good will and materials of the Hoosier Brake Lining Co., of North Manchester, Ind. We understand the capacity of the plant is being considerably augmented.

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LEWIS H. BROWN SUGGESTS

Out of a tangle of legislative proposals and a deluge of appeals for outright repeal of the renegotiation law, now submerged under a flood of war contracts, came a clear-cut suggestion recently that promised a practical remedy.

It was voiced by Lewis H. Brown, president of Johns-Manville Corporation, appearing as one of several witnesses before the House Naval Affairs Investigating Committee on Tuesday, June 15. He dismissed all thought of repeal as unthinkable, declaring that if, because of a breakdown in the present framework of renegotiation, thousands of war contractors should escape examination, or thousands of cases be left in the courts, the situation would become "a public scandal."

Instead of seeking to patch up the inadequate machinery of the renegotiating boards or lightening their load by exempting thousands of smaller war contracts, Brown proposed that the Bureau of Internal Revenue, already intimately acquainted with the figures it would have to deal with, be given entire responsibility for renegotiating all cases that need it.

And the Bureau, he pointed out, could easily detect those deserving scrutiny by applying the gauge of the excess profits tax credit which, in effect, designates immediately all those corporations that have enjoyed profits that might be found excessive. This would mean, Mr. Brown believes, that about 85% of the cases would not be subject to renegotiation and the remaining 15% would make the job small enough that it could be done.

A copy of Mr. Brown's complete statement is available to any of our readers, by request to the News Bureau of Johns-Manville.

MANHATTAN WINS AWARDS

The Manhattan Rubber Division of Raybestos-Manhattan, Inc., was recently awarded first prize for Best Business Paper Advertising Campaign for the third consecutive year, and second award in the employee relations section.

Conservation of mechanical rubber products was again the theme of the winning campaign, carrying on with the educational program that won the company first prize last year.

The employee relations award exhibit included an organ to exchange information between employees in the armed services and those still working, campaigns for war bonds, industrial safety, scrap and against absenteeism.

• • • —

"ASBESTOS MINING IN CANADA," a most interesting article on asbestos mining operations at the Canadian Johns-Manville Co., Ltd., Asbestos, Que., appeared in the May 1943 number of "The Miner," published at Vancouver, British Columbia. The article traces the history and development of this mine and gives other general information on asbestos mining and milling.

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WILLIAM J. REED PASSES AWAY

William J. Reed, Director of Robert A. Keasbey Company, of New York City, passed away suddenly on Saturday, June 19th, at his home in Bronx, N. Y.



Wm. J. Reed

Mr. Reed entered the employ of the Robert A. Keasbey Company in 1905, in the capacity of Assistant Superintendent of Construction. His work brought him many friends in the engineering, industrial and kindred trades, and he was later made sales Engineer of the Company, in which position he was very successful, holding the lead in sales continuously until his death, at one time reaching the million dollar mark. He was elected a member of the Board in July, 1927.

Mr. Reed was a veteran of the Spanish-American War, a member of Wyoming Lodge, F. & A. M., and Mecca Temple. His fine character and gentle personality make his loss left keenly by his contemporaries in the Industry. He is survived by his wife and one son, William F. Reed, President of Asbestos Distributors, Inc., of Port Chester, N. Y.

ASBESTOS FRICTION MATERIAL INDUSTRY ADVISORY COMMITTEE

The War Production Board recently announced the formation of the Asbestos Friction Material Industry Advisory Committee. Members of the Committee are:

Government Presiding Officer, W. T. Meloy, Director of the Cork, Asbestos and Fibrous Division.
Hubert F. Groendyke, Raybestos-Manhattan, Inc., Passaic, N. J.
R. E. Spokes, American Brakeblock Co., Detroit, Mich.
W. Harvey, Thermoid Co., Trenton, N. J.
E. H. Wells, Johns-Manville Corporation, New York City.
C. E. Harwood, Russell Mfg. Co., Middletown, Conn.
W. Nanfeldt, Worldbestos Corp., Paterson, N. J.
Howard Snow, Southern Friction Materials Co., Charlotte, N. C.
J. G. Brown, Grizzly Mfg. Co., Paulding, Ohio.
Walter Dodge, Ferodo & Asbestos Co., New Brunswick, N. J.

• • • —

G. V. DUTNEY, who a few months ago was appointed Assistant Manager of the Johns-Manville Industrial Department, has in addition to his other responsibilities been named Manager of the newly formed Steel Industry section of the Industrial Department. Mr. Dutney has been associated with Johns-Manville for the past 23 years.

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CHANGES IN CORK, ASBESTOS & FIBROUS GLASS DIVISION

The appointment of Fred W. Gardner (on May 31st) as Director of the General Industrial Equipment Division made some changes necessary in the Cork, Asbestos & Fibrous Glass Division. William T. Meloy, formerly Deputy Director of the latter division, was made Director on the same date, and immediately following, George F. Stone, formerly Chief of the Asbestos Section, was made Deputy Director of the C., A. & F. G. Division. Utley W. Smith is now Chief of the Asbestos Section, and J. E. Cole is now Deputy Chief.

ASBO VENTILATORS

Made by the American Steel Band Company of Pittsburgh, Pa., of "Felt-Cote" Asbestos-Protected Metal and other materials, these ventilators are so designed that they afford maximum exhaust, freedom from down-draft and complete weather protection.

Ask the Company for a copy of its very attractive, two-color (blue and black) 12-page catalogue giving sizes, sketches and illustrations of its Asbo Ventilators.

• • • —

ABSCO NEWS. A copy of the entertaining house organ, "Absco News," published by the Asbestos Supply Company of Seattle, Portland, Spokane and Tacoma, has just reached us and we must congratulate its editors on the attractive new format. Printed in two colors, this 20-page pamphlet tells of various asbestos (and other) materials sold and applied by the Company.

Incidentally the Asbestos Supply Company celebrated the 20th Anniversary of its founding on March 26th.

• • • —

R. S. GARDNER, Factory Manager at the Canadian Johns-Manville Co., Ltd., Asbestos, Quebec, has received the congratulations of his many friends on the completion of 25 years of service with his company. Mr. Gardner was inducted into the Quarter Century Club at a banquet held at Asbestos on June 22nd, at which time he was presented with a gold watch by S. A. Williams, president of the Company.

"ALLIED WITH INDUSTRY FOR VICTORY" is the title of a 16-page pamphlet recently issued by the Western Asbestos Company of San Francisco (with branches in Oakland, Sacramento, Richmond and Salt Lake City). The pamphlet is profusely illustrated and shows portions of their offices, warehouses and installations. The result is a most interesting and informative builder of goodwill and we feel certain that the Western Asbestos Company will be glad to send any of our readers a copy.

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GEORGE MONTAGUE WILLIAMS has joined the Curtiss-Wright Corporation and is slated to become Vice President to serve as assistant to the president in an executive capacity, with headquarters at 30 Rockefeller Plaza, New York City.

Mr. Williams is President of the Russell Manufacturing Company at Middletown, Conn., which company granted him leave of absence for the duration of the war to enable him to assist in the aircraft program. Before joining Curtiss-Wright, he was assistant to the chairman of the Board of Consolidated-Vultee Aircraft Corporation.

NORMAN O. AEBY, Purchasing Agent, Johns-Manville Corporation, was elected President of the Purchasing Agents Association of New York, at the annual meeting held June 17th.

Mr. Aeby has been a member of the National Association of Purchasing Agents for twenty-eight years. He organized an Association in Columbus, Ohio, in 1915 which he served as its first president. In 1916 he was elected vice president of the N. A. P. A.

Mr. Aeby joined the Johns-Manville organization in Waukeegan, Ill., in 1926; came to the general purchasing department of the company in 1937, and became General Purchasing Agent of the Johns-Manville Corporation in 1914.

"THE MINING INDUSTRY OF THE PROVINCE OF QUEBEC IN 1941" has just been published by the Department of Mines, Ottawa, Canada. It contains a brief chapter on Asbestos which gives the names of the various asbestos producers in Canada during 1941 and some comments concerning each of their mines. Three paragraphs are also devoted to a description of a deposit developed in Venezuela in that year.

In line with the decision of the Canadian Government (and other Governments of asbestos producing countries) to publish no details of asbestos production, exports, imports or other statistics during the war, the chapter contains no statistics whatever, but does state that the demand for Quebec asbestos in 1941 was the greatest experienced since the inception of the industry and that shipments were considerably higher, in both quantity and value than in any previous year.

THE ASBESTOS FACTBOOK (16-page pamphlet giving facts on asbestos in compact form) is continuing in popularity. Over 3000 copies have been distributed. Copies are still available at the popular price of 10c each. Order from "ASBESTOS."

CANADIAN CHRYSOTILE ASBESTOS CLASSIFICATION, reprinted from the May 1943 number of "ASBESTOS," contains a description of the method of testing on the Canadian Standard Testing Machine. 25c a copy; quantity price (10 or more) 15c each. Order from "ASBESTOS," 17th Fl., Inquirer Bldg., Philadelphia 30, Pa.

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PATENTS

This information obtained from the Official Patent Gazette, published weekly by the U. S. Patent Office, Washington, D. C.

Copies of patents can be obtained by sending 10c (in coin) to The Commissioner of Patents, Washington, D. C., giving the patent number, date it was issued, name of patentee and name of invention.

Packing. No. 2,318,757. Granted on May 11, 1943, to George Christensen, Plainfield, N. J., assignor to Johns-Manville Corporation. Application March 5, 1940. Serial No. 322,282.

A cup packing for assembly with a reciprocable piston, including surfaces confining a portion of the cup packing therebetween, said cup packing comprising a base composed of fabric and a yieldable plastic impregnant to be confined by said surfaces and a peripheral upstanding lip for sliding and sealing engagement with the cylinder wall, a venting means including an aperture in said base, concentric ribs extending from the faces of said base to reduce the area of contact of said surfaces and basis of transverse ribs damming the valleys between said concentric ribs at opposite sides of said aperture, said transverse and concentric ribs being composed substantially entirely of said plastic impregnant material.

Gasket Material. No. 2,319,033. Granted on May 11, 1943, to Wilburn F. Bernstein, Brookfield; Thomas F. Mika and Stephen M. Lillis, Chicago, and Otha L. Colwell, Cicero, Ill., assignors to Victor Manufacturing & Gasket Company, Chicago, Ill. Application January 16, 1940. Serial No. 314,134.

A sheet of gasket material adapted to flow under heat and pressure, comprising asbestos board and a binder, said binder being a reaction product of and resulting from a mixing of the asbestos and fatty acids, the fatty acids being those present in fats and glyceride type of oils, the proportion of binder to asbestos board being of the order of approximately 18 to 22 parts by weight of binder to 100 parts of asbestos board.

Sound Damping Insulation. No. 2,320,737. Granted on June 1, 1943, to Henry B. Hutten, Detroit, Mich. Assignor to The Ruberoid Co., New York. Application June 22, 1939. Serial No. 280,596.

The method of increasing the sound damping qualities of a sheet of felted fibrous structure which comprises flexing the sheet and imposing successive sets of indentations of different size and depth in the faces thereof, to displace portions of the fibrous structure from their original planar position and to increase the flexibility and sound damping efficiency of the sheet without diminishing its tensile strength.

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THIS and THAT

SYNTHETIC ADHESIVES by Paul I. Smith, is a compact study of the better known types of synthetic adhesives. Written in simple language, it treats of the properties, advantages and limitations of the phenol formaldehyde, urea formaldehyde, cellulosic, polyvinyl, acrylic and chlorinated rubber types. The last chapter gives in tabular form the common industrial use, application and main advantages of each type of adhesive discussed.

Obtainable at the price of $3.00 from "ASBESTOS," or direct from the publishers, The Chemical Publishing Company, 234 King St., Brooklyn, N. Y.

• • • —

A huge piece of Crude Asbestos Rock is featured in the advertisement of Canadian Ingersoll-Rand Company which appears in the June issue of the Canadian Mining Journal. Underneath the heading is "Asbestos—Servant of Civilization in Peace and War," and the body of the advertisement is also about asbestos and the part it plays in both times of peace and war, concluding with the calling of attention to rock drills and other mining machinery made by Ingersoll-Rand. The whole ad is very well done and advertises asbestos quite as well as it does the products of Ingersoll-Rand.

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New officers of the American Society for Testing Materials, elected at the annual meeting of the Society held in June, are President, Dean Harvey, Materials Engineer, Westinghouse Electric & Mfg. Co.; and Vice-President, J. R. Townsend, Materials Standards Engineer, Bell Telephone Laboratories, Inc. Newly elected members of the Executive Committee are T. A. Boyd, Fuel Department, Research Laboratories Division, General Motors Corporation; W. H. Finkeldey, of Singmaster & Breyer; E. W. McMullen, Director of Research, The Eagle-Picher Lead Co.; E. O. Rhodes, Technical Director, Koppers Co., Tire and Chemical Division; and F. G. Tatnall, Manager, Testing Equipment Department, Baldwin Locomotive Works.

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The Semi-Annual Meeting of the American Society of Heating & Ventilating Engineers was held at Pittsburgh, Pa., on June 7th and 8th, with 300 members and guests in attendance. One of the most important actions of the meeting was the appointment of Cyril Tasker, Senior Research Fellow of the Ontario Research Foundation, to the newly created office of Director of Research of the A. S. H. V. E.

A paper on "Graphical Methods of Calculating Heat Losses" was presented by Paul D. Close, Technical Secretary, Insulation Board Institute, at the June 8th (morning) session.

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CURRENT RANGE OF PRICE

As of July 10, 1943

Canadian—

	Per Ton (2000 lbs.) f.o.b. Mine (In U. S. Funds)
Group No. 1 (Crude No. 1)	$650.00 to $750.00
Group No. 2 (Crude No. 2; Crude Run-of-Mine and Sundry)	165.00 to 385.00
Group No. 3 (Spinning or Textile Fibre)	124.00 to 233.50
Group No. 4 (Shingle Fibre)	62.50 to 82.50
Group No. 5 (Paper Fibre)	44.00 to 49.50
Group No. 6 (Waste, Stucco or Plaster)	33.00 to 34.00
Group No. 7 (Refuse or Shorts)	14.50 to 29.50

Vermont—

	Per Ton (2000 lbs.) f.o.b. Hyde Park, Vt.
Shingle Fibres	$62.50 to $65.50
Paper Stock Fibres	44.00 to 54.00
Waste	33.00
Shorts	14.50 to 28.50
Floats	19.50

Note: Crude Run-of-Mine (Canadian) refers to a crude asbestos produced in certain mines where Crude Fibre is not graded into regular No. 1 and 2 Crude. Crude Sundry refers to certain odd lots of off grade material which do not conform to the regular standards of No. 1 Crude or No. 2 Crude.

ASBESTOS STOCK QUOTATIONS

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

	Par	June 1943 Low	High	Last
Armstrong Cork Co. (Com.)	np	36⅜	40	38⅜
Asbestos Corp. (Com.)	np	23½	25	25
Celotex (Com.)	np	12¾	14⅜	14⅜
Celotex (Pfd.)	100	88⅛	91¾	91½
Certainteed (Com.)	1	6⅜	7⅜	6⅞
Certainteed (Pfd.)	100	53	61¼	57
Flintkote (Com.)	np	19¾	22⅛	21⅜
Flintkote (Pfd.)	100	100	105	103½
Johns-Manville (Com.)	np	84½	89⅜	85¾
Johns-Manville (Pfd.)	100	129¾	132	132
Raybestos-Manhattan (Com.)	np	27¾	29¾	29
Ruberoid (Com.)	np	24½	26⅝	26½
Thermoid (Com.)	1	7⅞	9¼	9¼
Thermoid (Pfd.)	10	44	46⅜	46⅜
U. S. Gypsum (Com.)	20	69¼	72½	72¼
U. S. Gypsum (Pfd.)	100	173	190	178¼
U. S. Rubber (Com.)	10	39⅛	44⅜	43⅞
U. S. Rubber (Pfd.)	100	119¾	126⅜	122¾

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85% MAGNESIA . . . pipe coverings, blocks and cement. For temperatures up to 600° F.

EHRET'S ENDURO . . . Used with 85% Magnesia for temperatures from 600° to 2000° F. Pipe coverings, blocks and cement.

DURANT INSULATED PIPE . . . Pre-sealed, factory-fabricated units for underground pipe lines.

VALLEY FORGE PACKINGS . . . A complete line of quality packings for practically every purpose.

Write for details of the complete Ehret line. It includes practically every type of heat and cold insulation, and asbestos products.

EHRET MAGNESIA MANUFACTURING COMPANY

VALLEY FORGE • PENNSYLVANIA

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SOUTHERN ASBESTOS COMPANY

Asbestos Textile Products since 1919

A Complete Line of Products

Yarn	Cord
Cloth	Rope
Roving	Tubing
Carded Fibre	Listing Tape
Wicking and Oil Burner Wick	

The facilities of our sales and research organization are at the disposal of any manufacturer who has a problem to solve which involves the use of fabricated asbestos.

★

SOUTHERN ASBESTOS COMPANY • CHARLOTTE, N.C.

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