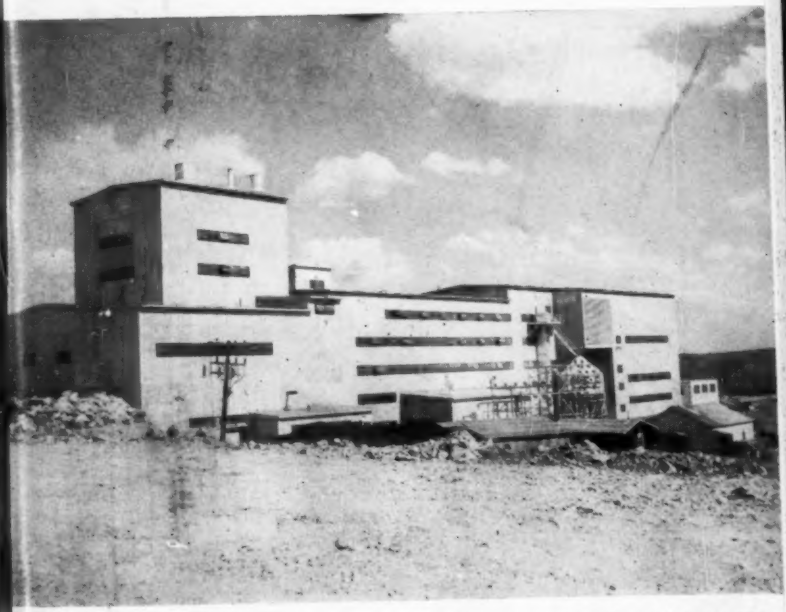
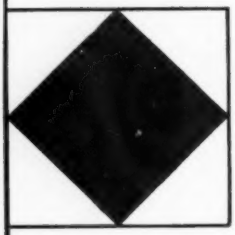
ASBESTOS



Asbestos Mill at the Newest Asbestos Mine

JULY - 1950

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DISABLED

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MONTHLY SINCE THAT DATE
BY SECRETARIAL SERVICE
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S. E. COR. BROAD & CHESTNUT STS.
PHILADELPHIA, 7, PENNSYLVANIA

Estate of C. J. STOVER, *Proprietor*

A. S. ROSSITER, *Editor* E. E. COX, *Circulation Manager*

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THE NEWEST ASBESTOS MILL -

At the Newest Asbestos Mine

Our new cover picture, beginning this, our 32nd Volume, and therefore our 32nd year, shows the mill at the most recently developed asbestos mine.

It is the new mill being erected at the Johns-Manville mine in Munro Township, Ontario, Canada, and will not be in actual operation for two or three months.

Johns-Manville tells us that this is a relatively small asbestos mine and milling operation, but it is uptodate in every respect and the mill contains the very latest type of machinery and equipment for maximum dust control.

Note that the roads to the mill have not yet been completed.

However, we are more than pleased to present to our readers, this *newest* asbestos mill at the *newest* asbestos mine.

ANYONE NEED "SOILED" FABRIC?

Surely by this time we should be surprised at nothing developed in the chemical, industrial or mechanical world!

But it did come as rather a shock to read in a release from Foster D. Snell, Inc., that they recently announced the availability of "artificially soiled" wool fabric. Furthermore it seems that soiled cotton fabric (prepared at Pennsylvania State College) has been on the market for some time and the College is completing the installation of new and larger "soiling" equipment to meet the increased demand created for soiled cotton fabric.

Why, we wondered, should there be any demand for **soiled** fabric of any description! Fabric of any kind to our mind, soils far too easily and quickly now. Rather scientists should work out a method to keep fabric from soiling so easily!

But the mystery was solved by reading further on that soiled fabrics were used by the manufacturers of soaps and synthetic detergents, for the measurement and evaluation of such detergents. The process of soiling is quite complicated too. Will be glad to send it to anyone interested.

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SAFETY FILM

Probably all our readers are interested in safety problems, whether for themselves or for their employees.

That is the reason we are giving publicity to a news release just received from the National Safety Council.

Probably 20 or more news releases reach us each week, asking that we publish in "ASBESTOS" items on all kinds of devices, developments or happenings entirely outside of the subject of asbestos. It is easy enough to discard them because unless they have a distinct asbestos slant they promptly go into the waste basket.

However we feel this subject is worthy of our support and many of our readers may like to know that a new training film showing how to handle and unload freight safely has just been announced. In story form, it shows thru a character called "Happy Jack" the safe way to open a freight door, lower a dock plate into position and anchor it, and how to handle "sleepers".

"Happy Jack" does all the wrong things and continually has accidents. His mishaps add a light touch to make the film amusing as well as instructive. "Freight Handling Safety" is available from the Council in the usual 35 mm sound Slidefilm and in a 16 mm for sound-motion projectors.

Prices for outright purchase, preview or rental may be obtained on request to the National Safety Council, 425 N. Michigan Ave., Chicago 11, Ill.

THE WORD "CRISES"

We read a curious thing the other day—the Chinese write the word "crises" with two characters, the first of which means "danger" while the second means "opportunity."

How apt: a crises while often the danger point, in business affairs or in our daily living; if handled rightly, can indeed resolve itself into opportunity.

Shakespeare says it this way: "There is a tide in the affairs of men, which, taken at the flood, leads on to fortune; omitted, all the voyage of their life is bound in shallows and in miseries."

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INNOVATIONS NOT WANTED

In almost every age we see resistance to the new and unknown. A vast amount of history could be written around the subject.

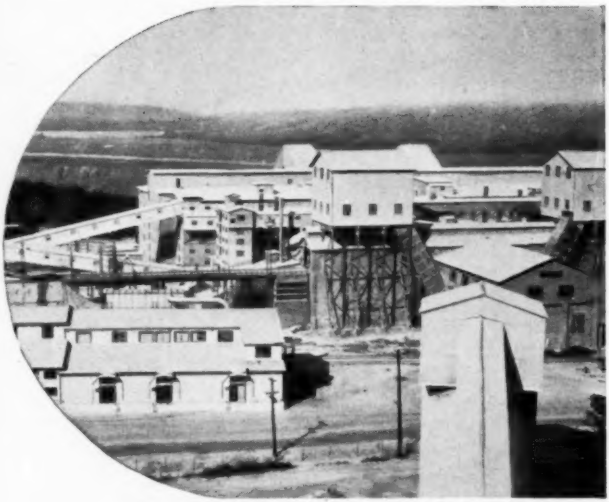
Many of us remember the start of the automobile and the prophecies of dire calamity which would result from its general use. Some of those predictions did come true but now we are ready to admit that the blessings outweigh the bad and we know that the progress of the world would have been much impeded without the introduction of this time saving device.

This subject came to mind by our reading a book "Old Roads out of Philadelphia, by John T. Faris, wherein we found recorded, much to our amusement some comment on the water system in old Philadelphia. It appears that in those days, about 1790, water was obtained by most house-holders from pumps located at various points thruout the city. Now it was proposed to pipe the water thru hollow logs from the falls of Schuylkill, and each house, as recorded by Dr. Manasseh Cutler, was equipped with a pump at the edge of the sidewalk about ten feet from the house front. One matron, who was accustomed to go to one of the public bath houses patronized by the wealthier residents, was recorded as saying that the prophecy that people would be able to bathe in their own houses, did not appeal to her.

Philadelphia still has its troubles with its water system and is the butt of many jokes regarding the quality and especially the taste of its water, caused by the chemicals used to purify it. Lately the jokester's have shifted their attack to New York whose water shortage has reconciled Philadelphians who consider that bad tasting water is better than none at all.

But progress goes on;—whether for good or ill we must accept atomic energy, electronics and other things undoubtedly about to descend upon us. Accept the good and battle as we can with the ill, but in any case accept with good grace what we shall no doubt acclaim with enthusiasm later when the innovation has given place to a new one which in its turn will be hated or feared, and will later turn into a benefit to all mankind.

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Bird's eye view of service buildings adjoining J-M Mine at Asbestos, Quebec.

AFD

ASBESTOS FIBRE DIVISION
Canadian Johns-Manville Limited
814 Sun Life Bldg. (Telephone: Marquette2421) Montreal, P. Q., Canada

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SPEAKING ABOUT ASBESTOS YARN

By Gerd M. Bloomfield.

(This is the second installment of Mr. Bloomfield's article and covers the blending of fibres and other preparation processes. The third and last section will be published in our August number. It will concern itself with carding and spinning methods.)

The difference between the minimum asbestos content and the total weight as shown for the various grades of textile products is made up by cotton fibre or other organic fibrous material. The reason for blending asbestos fibre with this material is found in the nature of the asbestos fibre which is not easy to spin due to its straight structure and smooth surface. By blending it with a certain amount of organic fibre, the asbestos spinner takes advantage of the natural curls in, for example, the cotton fibre which serves as a carrier fibre in the forthcoming spinning process. The choice of the quality and type of the organic textile fibre depends largely on the experience of the processor and on the requirements of the finished product.

Until not so many years ago, the opening of the raw asbestos was left much more to the processor than nowadays. Today, only fibres of the Crude 1 and 2 categories would require additional preparing before the material enters the textile opening and blending process. Still, it might be interesting to know that the generally accepted Roller Mills or Chaser Mills have found modifications to avoid harsh treatment and damage to the asbestos fibre. Originally the Roller Mills consisted of cylindrical rollers. This meant that the width of the roller and therefore the weight was limited, if the fibre should not be exposed to undue friction between the rollers and the pan. But in spite of keeping the width of the rollers down, there still was an undesirable friction under which the asbestos fibre had to suffer. As one answer to solve the problem of eliminating the friction and thus protecting the fibre from unnecessary damage, Chaser Mills with conical rolls of

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PIONEERS IN ASBESTOS

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considerably bigger dimensions have been built and employed, resulting in higher production and more careful treatment of the fibre. (See Figure 1).

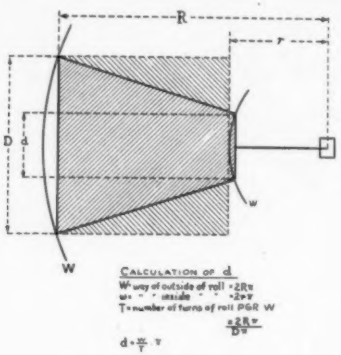


Figure 1.

By passing the asbestos fibre thru a conventional type Crighton (Vertical) Opener, the fibre becomes further loosened. The more of the short staples, detrimental to a smooth running spinning process and to the uniformity of the finished yarn, can be eliminated here, the better the end product will be. The cotton fibre is cleaned and processed on a conventional type Cotton Lap Machine which delivers the material, as its name indicates, in rolls of fibrous laps.

From now on, the combining of asbestos fibre and cotton fibre in the right proportion takes place by feeding the rolls of cotton lap into pickers while the opened asbestos fibre is fed on the cotton lap. In cases where special attention is required regarding the quality and uniformity of the asbestos yarn, various ways and means have been found and used to achieve a better standardization of the fibre mix.

In this connection reference is made to FIAT Report 1070, written by the author during his service with the Technical Industrial Intelligence Division of the Military

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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.

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Cincinnati 15, Ohio

In Canada: The Philip Carey Co., Ltd., 1557 MacKay Street, Montreal 25, P. Q.

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Government in Germany and which has been published by the U. S. Department of Commerce. This process, described on pages 2 and 3 of that report tends to prevent waste and saves material and maintenance costs and at the same time allows the production of a better, i.e. a more uniform type, of asbestos yarn. Especially attractive in this process is that, once the material is set up, the blending and preparing of the spinning mix does not require any further attention. It may run in continuous operation for several hours or a complete shift depending on the size of the conveyor box and the required amount of spinning mix

It also allows the elimination at the start of the whole spinning process of those short fibres which either would be lost from the original fibre stock in the course of further production or are not desirable from the standpoint of quality and appearance of the finished product. It also means less wear and tear on the cards and consequently lower maintenance costs. Last but not least, the elimination and prevention of dust will prove to be less difficult. (See Figure 2).

The drawing shows a schematic presentation of the layout. A box of about 33 feet length serves as the hopper, the bottom of which consists of a steel band conveyor (1) On this conveyor the various grades of asbestos fibre and the cotton lap are placed layer by layer in accordance with the specification. The hopper holds about 1 ton of material but its size can be adjusted to the available space. After the hopper is filled, it is closed with a dustproof lid.

From now on the further processing and proportioning of the material is fully automatic until it leaves the cards as sliver. The steel band conveyor (1) brings the material to a chopping wheel (2) which chops it off vertically from the horizontal layers, thus obtaining a fairly uniform amount from the various materials to be introduced in the product. Over a chute (3) the material drops into the buckets or the pit of a bucket conveyor (4) which brings it to the mixing drum (5). There the material is well blended and short fibres are eliminated thru

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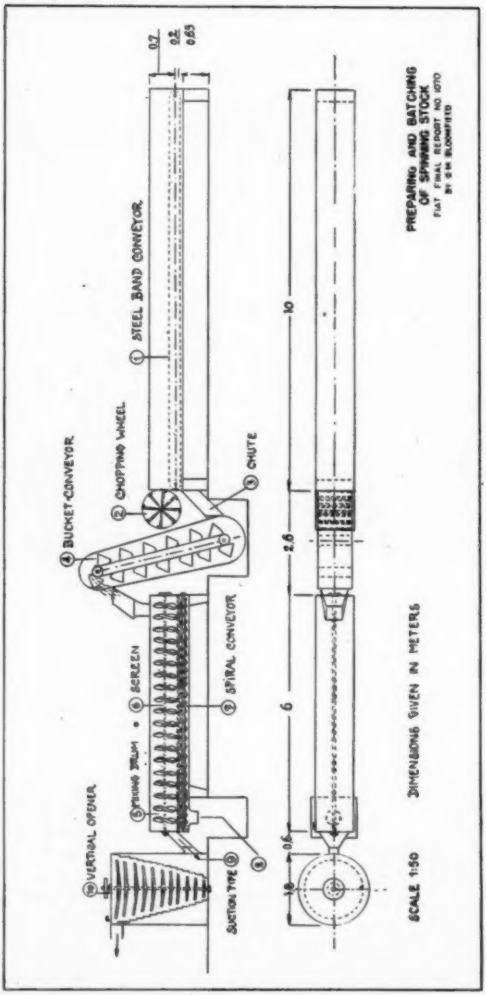


Figure 2. Preparing Spinning Stock

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a screen (6). A spiral conveyor (7) brings this short fibre material to the outlet (8) where it is automatically bagged. The beater arms of the mixing drum (5) are shaped to support the air suction of a vertical opener (10) for transporting the stock towards the suction pipe (9). The vertical opener (10) has a completely closed grid and serves only for final blending and opening of the previously cleaned and screened spinning stock. From the vertical opener (10) the spinning stock goes directly to the various cards, or, if need be to storage bins.

MINERAL RESOURCES OF AUSTRALIA

Summary Report No. 17

Summary Report No. 17 concerning Mineral Resources of Australia has just reached us. It is most complete; gives a general description of asbestos and its uses, the sources of the various types of asbestos in Australia and Tasmania, production of the various fields, exports, imports and consumption.

The paragraph concerning consumption will interest our readers:

Consumption for 1944 and 1945. Approximately 14,800 tons of crude asbestos, of which 96 per cent was chrysotile, were consumed in Australia during 1944. This figure does not allow for variations in the stocks held between the beginning and end of 1944 and is the "apparent consumption" obtained by adding domestic production to the figure for imports and subtracting the exports. In 1944, therefore approximately 95% of the crude (raw) asbestos consumed in Australia was provided by imports and only 5% by domestic production. Some amosite was imported but all the crocidolite and other amphibole used was produced in Australia.

According to reports by the principal users of asbestos, consumption in 1945 was approximately 18,000 tons, of which about 7% was satisfied by production from domestic sources.

An analysis of consumption shows that 95% was used for asbestos-cement products, building materials, pipes, etc., 2% for millboard; 1.6% for boiler lagging, packings, insulation material; 1% for brake lining and about 4/10 of 1% covers other materials, such as rope yarn, gaskets., asbestos clothing, etc.

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THE AIR FILTERING INDUSTRY

For some time, as our readers know, asbestos has been found very useful and efficient in the filtering of fruit juices and other liquids. Now it has been found even more efficient, in fact practically indispensable in the filtering of air.

More and more stress is being laid on the cleaning of air in industry. Experiments have been carried on for many years, and only recently has success been admittedly in sight.

The importance of air cleaning is better understood when we are told by science that there are at nearly all times from 5,000,000 to 30,000,000 or more individual particles per cubic foot in the air we breathe. Most of these are bits of rock or vegetation from the ground, others are pollen, spores and bacteria; some is just soot, ash and other industrial rubbish. Most of the particles range in size from two tenths to something over one micron in diameter. Pollens, the exception, are larger and may be five microns, or more, in diameter.

It is pretty generally known that specially prepared filter papers are giving very excellent results in cleaning of the air.

The development of such papers really had its beginning in the making of special filter papers for gas masks and other military uses during the war (World War II).

At the present time and for the last few years the elimination of airborne radio active dust particles in and around Atomic Energy operations is receiving a great deal of attention.

It is unnecessary in this article, written for the Asbestos Industry to go into details of processes, tests, or methods of making the air filtering material; suffice it to say that asbestos has been found very efficaceous in this work, and a paper has been developed made of carefully prepared paper-making fibres and specially prepared asbestos. In fact we are told that the introduction of very fine asbestos fibres into the paper was the key to success in the production of a suitable and highly efficient paper.

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Various types of asbestos fibres have been tried and the experimental work is still going on, especially with American chrysotiles, but at present what is known to the trade as Bolivian Blue asbestos has been found outstandingly superior for the purpose.

In appearance the air filtering paper is soft and felt-like, something similar to a blotting paper, but strong enough to be folded and otherwise handled for fabrication purposes.

Most important from the viewpoint of the Asbestos Industry is the fact that this has virtually opened up a new field for certain types of asbestos fibres—just another proof that the potentialities for the use of asbestos are limitless.

Appreciation and credit for the information which forms the basis of this article are given to Earl Stafford and Walter J. Smith of Arthur D. Little, Inc., co-authors of a paper "Dry Fibrous Filters for Dust Free Air" presented at the U. S. Technical Conference on Air Pollution, held during May at Washington, D. C.

ASBESTALL-A New Asbestos Fabric

A new drycleaning press cover fabric made largely of asbestos, blended with cotton and nylon, has been announced by the United States Rubber Co.

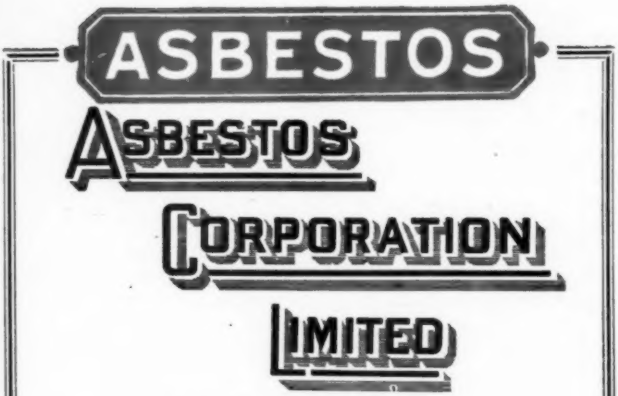
The asbestos and cotton fibres are first blended in fibre form and spun into yarn. The asbestos-cotton yarn is then woven with nylon yarn to form the finished fabric. The result is a silky, finely woven fabric.

Because of the natural heat retaining qualities of asbestos, the fabric offers a superior finishing surface, which results in quick drying and a better finish for the pressed garments. Flow of steam thru the cover is claimed to be freer and faster; thus it reduces shine on men's suits.

Asbestall was developed by the company's textile division to meet dry cleaners' needs for a long lasting cover which would keep garments from slipping while being pressed.

Asbestall is distributed by the Gustin-Kramer Company, Boston, Mass., who fabricate it into pressing machine covers for resale thru jobbing outlets.

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THETFORD MINES

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GASKETS - Their Selection and Installation

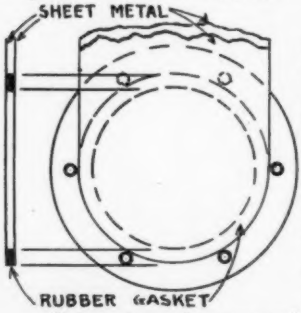
By W. F. Schaphorst, M. E.

In the selection of gaskets there are a number of things that must be considered. For instance, to what temperature will the gasket be subjected? Temperature has much to do with proper selection. Thus if the gasket will not be heated above 240° F. it can be a non-metallic gasket. If it will be heated to a range between 240 and 800° F. an asbestos or asbestos covered gasket may serve the purpose. And if the temperature will run above 800° F. a metal gasket usually gives the best service.

What kind of flange is to be gasketed? That is an important question as it is the flange that usually determines the type of gasket to use.

Next comes the factor of pressure. Is it a liquid? Gas? Steam? Is it corrosive? Upon these things depend the kind of gasket material to use. You must not use rubber, for example if the fluid is gasoline. You must not use copper if the gas is ammonia. And so on.

What is the nature of the flange surface? It should be smooth, preferably, to facilitate perfect sealing. Perfect contact between the gasket and flange surface is essential to assure tightness and prevent leakage. Rough flange surfaces such as we all too commonly see, are a liability. The notion that roughness is necessary to prevent gasket slippage is fallacious.



"How can I install a thin and flimsy gasket between flanges already in place in a pipe line?" is a common question. The accompanying sketch shows how it has been successfully accomplished on large pipes where thin and flimsy rubber gaskets were giving much trouble because of folding or buckling.

Let us say, for example, that you have a pipe joint

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that has been unbolted and the old gasket has been removed. The problem is to install a new gasket in place of the old one and be certain that it has not folded or buckled and that it is in its proper place. Do it in this way: cut out two pieces of sheet metal as indicated in the sketch, one end being round to the exact curvature of the gasket. Place the gasket between the two pieces of sheet metal as shown in the sectional view and then insert the assembly carefully between the flanges to the position shown in the sketch. Then carefully withdraw one of the pieces of sheet metal, and then the other, leaving the gasket behind in correct position for bolting.

Before inserting the gasket between the pieces of sheet metal make certain that no surface is "sticky" at any point so that the position of the gasket will not be disturbed when the pieces of sheet metal are withdrawn.

"ASBESTOS IN ONTARIO"

Now that so much interest is being shown in the asbestos deposits in Ontario Province, Canada, their Department of Mines has issued under date of April 1950, Industrial Mineral Circular No. 1 "Asbestos in Ontario" by D. F. Hewitt.

This "Circular" covers the subject of asbestos very thoroly, if briefly, but our readers will be chiefly interested in its description of Ontario Occurrences. The following paragraphs sum up the production of the various deposits in the Province of Ontario:

"There has been production of chrysotile asbestos from three deposits in Northeastern Ontario. In 1917 the Slade-Forbes Asbestos Company reported a production of 10 tons of chrysotile valued at $2,150 from a deposit in Deloro Township, district of Cochrane. From 1923 to 1926 the Bowman mine in Deloro township operated by the Porcupine Asbestos Mining Syndicate produced 194 tons of chrysotile with a value of $99,336. This included a large quantity of select long-fibred chrysotile, which commanded a price of $690 per ton. In 1937 and 1939 Rahn Lakes Mines Corporation Limited produced 19 tons of chrysotile worth $970 from their property in

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HAIR FELT

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Bannockburn township, Matachewin area, district of Timiskaming. The total Ontario production of chrysotile up to 1948 amounts to 233 tons, having a value of $102,456.

"The amphibole asbestos minerals, tremolite and actinolite, have been produced commercially in Southeastern Ontario. The chief production has come from a group of small properties in the Actinolite area which produced in the years 1901 to 1903, 1910, 1917 to 1931 and 1934. The Actinolite Mining Company Limited, in Kaladar township, Lennox and Addington county, was the main operator. Production amounted to 2,187 tons of actinolite, valued at $27,309.

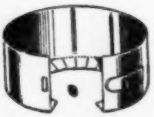
"In 1945 and 1946 a small tonnage of tremolite asbestos, valued at $2,925, was produced by L. M. Carswell of Renfrew, Ont., from a deposit in lot 22 concession IV, Blithfield township, Renfrew county".

The "Circular" also describes the geology of the various deposits. It concludes with a description of Canadian (Quebec) grading, uses, mining, milling and marketing methods.

Write the Department of Mines, Toronto 2, Ontario, Canada, if you would like to have a copy.

. . . —

The 38th National Safety Congress and Exposition, will be held October 16th to 20th, in Chicago, Ill. Sessions will be divided in three sections: Industrial Safety, Traffic Safety and Farm and Home Safety. For further information write R. L. Forney, General Secretary, National Safety Council, 425 N. Michigan Ave., Chicago 11, Ill.



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THE TRI-CLAD BRAKE MOTOR

Announced by G. E.

General Electric Co. is now offering its line of Tri-Clad (registered trade-mark) motors equipped with Stearns magnetic brakes as unit apparatus. All types of Tri-Clad motors up to 20 hp, 90 lb.-ft static torque are available with the explosion-proof, electrically operated brake, a product of the Stearns Magnetic Manufacturing Company of Milwaukee.

The new compact brake-motor retains all the features of the standard Tri-Clad construction, and is for application on cranes, hoists, conveyors, machine tools, printing presses, laundry machines, etc. G. E. assumes unit responsibility for both brake and motor.

For flexibility, brake combinations are selected to operate at 100 and 150 per cent of full-load motor torque. A single adjustment nut sets the torque for specific load conditions, thus enabling operation below maximum rated torque whenever possible to conserve brake linings and lengthen brake life.

Brake linings are fabricated of high-friction material for long life without replacement, and in normal operation the only maintenance required is the simple screw driver adjustment which compensates for wear. A wear indicator, viewed thru a plastic window, tells when this is necessary. Manual release, a standard feature on the new G-E unit brake motor, is easily accomplished by removing the plastic window which covers the combination hand release and wear indicator.

All brakes even on open motors are totally enclosed, and the brake cover is sealed to the motor housing providing protection from harmful atmospheres, dust, and dirt. To safeguard against accidental harm to personnel and equipment, the brake will continue to hold even if power fails during operation, because of its spring-set, solenoid-release design.

Additional information on this new G-E unit brake motor is contained in publication GEA-5464, available from the General Electric Company, Schenectady 5, New York.

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JAMES L. KEMPTHORNE REPORTS ON THE HIROSHIMA ASSIGNMENT

In our May number we mentioned that James L. Kempthorne, President of Sprayed Insulation, Inc., was on an assignment in Hiroshima to instruct workers in the application of sprayed insulation to buildings being erected by the Atomic Casualty Commission.

Mr. Kempthorne has now returned and has given us a rather full report of his round-the-world trip; unfortunately space forbids its publication in its entirety.

He arrived at Hiroshima on May 1st, having come by plane by way of Seattle, Anchorage and Tokyo. His product, "Spraycote", as most of our readers know is a combination of asbestos and rock wool used for acoustical treatment and sound deadening, and is used on the five buildings being erected by the Commission for the purpose of a long range study of the Japanese people and how they were affected by the atomic bomb. The buildings are of the quonset metal type, and Spraycote was used principally because it would withstand better than plaster the almost daily tremors of earth quakes in that region.

The principal task of Mr. Kempthorne was the setting up of the equipment for the application of Spraycote, and instructing the Japanese in the application. He found the Japanese workmen intelligent, industrious and willing to co-operate. In fact he gained the impression that the Japanese generally are hard working and industrious and most gracious, polite, and hospitable.

Hiroshima itself has been almost entirely rebuilt. While Mr. Kempthorne says one of the immediate effects of the bomb was that at least 10% of them in the vicinity are developing cataracts and will soon be blind, several people to whom he talked told him that they visited the site of the explosion the day following and found friends and relatives totally unaffected. Grass and trees started to grow within a short time afterward indicating that the land itself was not affected.

He tells us that while the Japanese realize they were thoroly defeated, there seems to be no animosity, even the

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bomb being considered by them to have been merely a weapon to end the war quickly. General MacArthur is the most important figure in the entire Eastern Hemisphere and is doing a grand job—he heard not one word of criticism.

It is most amazing how highly industrialized the Japanese people have become and how much they have accomplished within the short time since the country was opened up by Admiral Perry, and this in spite of their extremely limited resources. Only 17% of the country is ariable and they have to import about 25% of their food. The country is very heavily over-populated in spite of losses during the war.

The patent situation in Japan before the war was practically hopeless but that has been corrected by the authorities and now the American business man is protected on patents, copyright, and trademarks. Any information desired along this line can be obtained by writing Colonel Allen, Technology & Patent Branch of the E. S. S., Empire Building, Tokyo.

We will quote Mr. Kempthorne as to the rest of his round-the-world trip; by way of Hongkong, Bangkok, Calcutta, New Delhi, Damascus, Istanbul, Brussels, Antwerp, Amsterdam, Hamburg, Paris and London, and entirely by air:

"I cannot help but pay my respects to the equipment and mechanical efficiency of the air lines operating the service. Hongkong is a most colorful port and the shopper's delight. Bangkok is the most colorful stop and the people are apparently well satisfied with general living conditions. It has fine wide streets and beautiful buildings. Damascus was a revelation, being a clean, modern city, and particularly in view of the four or more different races with religious traditions all living together without friction. Istanbul was tremendously interesting, particularly because of its historic background and because the city itself is a better than average city in Europe.

"I was particularly impressed with the economy of all of Europe, including England. The shop windows are

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filled with every imaginable type of goods, people are well dressed and well fed.

"Hamburg was and still is, a most beautiful city—what is left of it, as 60% of the city was bombed out during the war. There are miles and miles of nothing but rubble in Hamburg.

"All the cities I visited are most gay and colorful and only in England is there still any apparent effect of the war and that is in the food.

"Such a trip is an education in itself and is an experience long to be remembered."

MESSRS PENHALE AND MARCOTTE COMMENT ON EUROPEAN TRIP

As the time was necessarily brief, these gentlemen (A. L. Penhale, President, and J. A. Marcotte, General Sales Manager of Asbestos Corporation Limited) were unable to visit all the countries and call on all the customers they wished.

From what they saw and heard, however, they tell us that the market in Europe is strong and will probably remain so for some time to come, unless, of course the international situation brings about serious economic repercussions.

The supply of fibre in all grades is tight and, as a result, many consumers are not able to operate at full capacity. The main asbestos products for which there is at present a strong demand, are corrugated and flat sheets and asbestos-cement pipe for water and sewage systems.

. . . —

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MARKET CONDITIONS

GENERAL BUSINESS

Naturally all business, the stock markets and the people at large were thrown into a dither when the cold war became actual fighting. The economic situation adjusted itself in a few days however and business, apparently went on as usual.

In the meantime the Scout Jamboree at Valley Forge, bringing together Scouts from all over the world surely should have some effect in bettering world feeling. If 50,000 boys absorb from their short stay at Valley Forge (the Nation's patriotic shrine) the high ideal of the American way of living, it should go far toward working for world peace in the future.

ASBESTOS — RAW MATERIAL

The market in raw materials is strong and demand exceeds production in most grades. Production is continuing at maximum levels. Shingle fibres are particularly in demand. Both production and demand are expected to continue at higher levels for the balance of the year.

ASBESTOS — MANUFACTURED GOODS

Asbestos Textiles. This market appears to be firm with increasing orders; in fact demand is still a bit ahead of production.

Brake Lining. This market is reaching its seasonal peak and is expected to continue good for the balance of the year. The replacement market continues to be surprisingly good. The supply of brake lining appears to be ample to take care of demand; and on the other hand demand keeps up with production.

Asbestos Paper. Commercial paper is active and sales are expected to keep abreast of production for the rest of the year; in fact there is a slight improvement over last year.

Saturated Asbestos Paper. The sale of asbestos felts has picked up considerably in the last thirty days.

Asbestos Millboard. In this field we find commercial

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sales increasing and equipment accounts very active; in fact there is a slight improvement over 1949. Volume is expected to hold steady during the third quarter.

Insulation. High Pressure. While business is considerably below 1949 a substantial increase in demand for high pressure insulation is noticed and order bookings are high. Prices are irregular despite the stiffening of material demand. Contract work is being quoted at prices under the market altho contract sales are increasing.

Insulation. Low Pressure. We are told that sales activity in this market is increasing; jobbers are starting to put in stocks. Both residential and multiple dwelling construction are taking considerable tonnage. Prices seem to be firmer than in the first half of the year.

Asbestos-Cement Products. Demand, partly seasonal, in all Asbestos-Cement products, is high and it is the opinion of those interested in this line of endeavor, that it will continue strong for several months. The new color sidings are becoming very popular, and manufacturers of ceramic and other new types of siding report that demand is constantly growing. This may be due to the realization of buyers of the advantages of the new materials, or possibly they have struck the popular fancy. It will be interesting to see whether the colored sidings remain in favor.

Corrugated and flat business has picked up recently, and demand now about equals production.

All types of asbestos-cement pipe—flue pipe, electrical conduit, house connection pipe, pressure and sewer pipe—are showing increased demand and at present it appears that business should be at or near capacity production thru most of the year.

The above comments are compiled from a number of reports from men in strategic positions to know the markets. We always welcome market comments from our readers.

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Africa (Swaziland)

Production for April 1950 ..... 2,750 tons (2000 lbs.)

Egypt

The U. S. Mineral Trade Notes, published by the U. S. Bureau of Mines reports a production of 120 metric tons of asbestos produced in Egypt in 1949, compared with 1600 metric tons in 1948.

Union of South Africa

(Quarterly Information Report—Dept. of Mines)

Tons—2000 lbs.

(October to December inclusive)

4th Quarter 1949

	Production	Local Sales		Exports	
	Tons	Tons	Value	Tons	Value
Amosite	10,582	169	£ 2,500	11,440	£406,238
Anthophyllite	154	..	..	..	..
Chrysotile	2,385	386	13,205	2,011	128,808
Cape Blue	3,587	..	..	3,819	213,274
Transvaal Blue ..	3,471	6	47	3,358	219,488
	20,179	561	£15,752	20,628	£967,808

Year 1949

	Production	Local Sales		Exports	
	Tons	Tons	Value	Tons	Value
Amosite	41,974	1,749	£ 27,286	39,269	£1,274,806
Anthophyllite	154	..	..	..	..
Chrysotile	7,609	2,800	105,905	5,142	278,205
Cape Blue	11,999	717	21,524	11,290	576,897
Transvaal	9,181	206	8,927	7,727	470,415
	70,917	5,472	£163,642	63,428	£2,600,323

BUILDING

Construction awards in May totaled $1,347,603,000, down less than 1% from the $1,350,496,000 of April, for the 37 states east of the Rockies, according to F. W. Dodge Corporation.

The May figure for 1950 was 53% ahead of May 1949 and called for floor area of 125,586,000 square feet of building space or 72% more than for May 1949.

Residential awards were $674,604,000 in May 1950; non-residential awards were $408,543,000.

For the first five months of 1950, the total awards were $5,508,685,000, up 56% from the same period in 1949. Residential classification showed the greatest gains.

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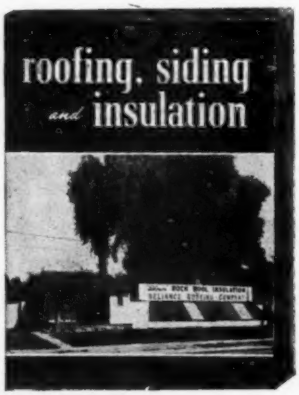
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IMPORTS AND EXPORTS

Imports into U. S. A.

(Figures by Bureau of Census)

Unmanufactured Asbestos—By Countries

	March 1950 Tons (2240 lbs.)
From Canada	44,871
S. Rhodesia	1,390
U. of S. Africa	1,290
Mozambique	45
	47,596
Valued at	*$3,741,840*

By Grades:

Crude No. 1, Chrysotile, Canada	2
Crude No. 1, Chrysotile, S. Rhodesia	187
Crude No. 2, Chrysotile, Canada	25
Crude No. 2, Chrysotile, S. Rhodesia	318
Crude No. 2, Chrysotile, U. of S. Africa	13
Crude, Other, Chrysotile, Canada	16
Crude, Other, Chrysotile, U. of S. Africa	112
Crude, Other, Chrysotile, S. Rhodesia	885
Crude, Blue, U. of S. Africa	706
Crude, Amosite, U. of S. Africa	459
Crude, Amosite, Mozambique	45
Textile Fibres, Chrysotile, Canada	1,068
Shingle Fibres, Chrysotile, Canada	5,939
Paper Fibres, Chrysotile, Canada	5,597
Other Fibres, Chrysotile, Canada	32,224
	47,596

Manufactured Asbestos Goods:

	March 1950 Quantity (Lbs.)	Value
Asbestos Yarns		
United Kingdom	2,752	$2,463
Asbestos Packing—Fabric		
United Kingdom	6	25
Asbestos Packing—Not Fabric		
Canada	16	9
United Kingdom	1,147	565

(Continued on page 39)

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Imports Manufactured Asbestos Goods (Continued)

	March 1950 Quantity (Lbs.)	Value
Asbestos Woven Fabrics—Other		
Canada	..	7
Switzerland	2	11
Asbestos Brake Lining—Molded		
Canada	11	16
Asbestos Cement Products—Impregnated		
Canada	3,422	450
Asbestos Manufactures—Other		
Canada	..	2
United Kingdom	..	1
Norway	..	869
Netherlands	..	62
	7,356	$4,480

Exports from U. S. A.

(Figures by Bureau of Census)

Unmanufactured Asbestos

	March 1950 Tons (2240 lbs.)	Value
To United Kingdom	.....	.....
S. America	.....	.....
Central America & Mexico	234	$52,754
Europe	1,680	322,627
Other Countries	458	117,108
	2,372	$492,489

Manufactured Asbestos Goods

		Quantity	Value
Asbestos Pipe Covg. & Cement	Lbs.	257,830	$ 26,160
Asbestos Textiles and Yarn	Lbs.	41,326	31,199
Asbestos Packing	Lbs.	206,120	102,832
Asbestos Brake Lng. (Mld.&S.Mld.)	Lbs.	204,672	162,232
Asbestos Brake Lining (Woven)	L. Ft.	29,116	21,481
Asbestos Clutch Facings	No.	97,917	49,125
Asbestos Brake Blocks	Lbs.	27,621	28,806
Asbestos Construction Materials	Lbs.	2,554,262	182,372
Asbestos Manufactures—Other		.....	43,730
			$647,937

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EXPORTS FROM CANADA

(Published by Dominion Bureau of Statistics)

Unmanufactured Asbestos	April 1950 Tons (2000 lbs.)	Value
Crude		
United States	..	$ ..
United Kingdom	..	..
South America	..	..
Central America & Mexico	..	..
European Countries	..	..
Other Countries	40	$ 32,480
Milled	40	$ 32,480
United States	12,134	$1,570,997
United Kingdom	2,344	302,675
South America	1,163	189,658
Central America & Mexico	505	77,417
European Countries	1,894	298,185
Other Countries	1,488	222,960
Shorts	19,528	$2,661,892
United States	32,525	$1,353,290
United Kingdom	1,477	64,072
South America	30	1,947
Central America & Mexico		
European Countries	2,060	132,534
Other Countries	40	2,596
	36,132	$1,554,439
Grand Total — Unmanufactured Asbestos	*55,700*	*$4,248,811*
Manufactured Asbestos Goods:		
Brake Lining		$ 8,948
Packing		215
Other Materials		122
		$ 9,285

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IMPORTS OF ASBESTOS BY UNITED KINGDOM

Raw Material	May 1950 Tons (2240 lbs.)
From Union of S. Africa	1,951
Southern Rhodesia	2,634
Bechuanaland, Basutoland and Swaziland	1,667
Canada	4,391
Other Commonwealth Countries and the Irish Republic	.....
Foreign Countries	277
	10,920

Of the imports in May 7,013 were of the Chrysotile variety; 3,907 of other kinds.

The total imports for the five months ending May 31st were 43,303 tons, 29,634 of which were Chrysotile.

Tabulation supplied by the Mining Journal Ltd., of London.

AUTOMOBILE SALES

	May 1950
Passenger cars	575,518
Motor Trucks	120,963
Motor Coaches	412
	696,893

Total Sales for May 1949 were 481,467; for the five months ending May 31st, 1950 were 2,893,695, compared with 2,400,644 in the same period in 1949.

In fact May factory sales of new motor vehicles in the United States hit an all time high in May 1950.

Source of figures is the Automobile Manufacturers Association, New Center Building, Detroit 2, Mich.

. . . —

R. E. Herbert, President of R. E. Herbert & Co., Inc., of Rochester, N. Y., owns a sloop which he has named "Asbestos". R. E. Herbert & Co. is J-M Technical Service Unit for upper New York state. All this according to the Power Specialist of issue Summer 1950.

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CHRYSOTILE
AMOSITE
AMPHIBOLE FIBRES

originating in
U. S. A. (ARIZONA)
CANADA
RUSSIA
CHINA
INDIA
RHODESIA
SOUTH AFRICA

•

Large Capacity Fiberizing and
Grading Plant

451 Communipaw Ave. Jersey City, N. J.

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NEWS OF THE INDUSTRY

BIRTHDAYS

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

G. F. Bahrs, Treasurer, The Ruberoid Co., New York, N. Y., July 18th.

Clifford F. Favrot, President, Asbestone Corp., New Orleans, La., July 18th.

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

O. H. Waechter, Asbestos Cement Associates, Inc., Millington, N. J., July 18th.

C. C. Gibson, Executive Vice President, The Paraffine Companies, Inc., 475 Brannan St., San Francisco, Calif., July 20th.

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

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

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

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

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

R. R. Galloway, President, Smith Asbestos Products Co., Millington, N. J., July 22nd.

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

Sir John Greenly, Director, The Cape Asebestos Co., London, England, July 25th.

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

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

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

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

P. H. Ryan, Vice President in Charge of Sales, Smith Asbestos Products Company, July 26th.

R. S. Hammond, General Sales Manager, Building Products Division, Johns-Manville Corp., New York, N. Y., July 27th.

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

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

C. W. Gregg, Treasurer & Director, The Flintkote Co., New York, N. Y., August 3rd.

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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

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FACTORY, BARKING, ESSEX

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

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A. P. Keasbey, President, Robert A. Keasbey Co., New York, N. Y., August 6th.

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

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

Carl H. Cole, Branch Manager, Kelley Asbestos Products Co., Tulsa, Okla., August 12th.

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

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

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

Herbert E. Smith, Chairman, U. S. Rubber Co., New York City, N. Y., August 16th.

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

ARTICLE BY W. A. RUKEYSER
Describes Canadian Asbestos Situation

"Asbestos Industry Strives to Meet Increasing Demand" is the title of an article by W. A. RuKeyser, Consulting Engineer, which was published in the May issue of Engineering and Mining Journal.

The article has been described by Dr. Oliver Bowles of Washington, D. C., who has long made a study of asbestos and asbestos methods as "the most complete review of the Canadian situation" which he has seen.

It covers the various and newest developments in mining and milling including the Aerofall Mill. It shows also that by changes in processing the Canadian Mine Producers have been able to increase their total tonnage of asbestos fibres remarkably.

Reprints are available in limited quantity and will be supplied by the Engineering & Mining Journal upon request on business letterhead, addressed to that Journal at 330 W. 42nd St., New York 8, N. Y. Price is 15c.

UNARCO DECLARES DIVIDEND

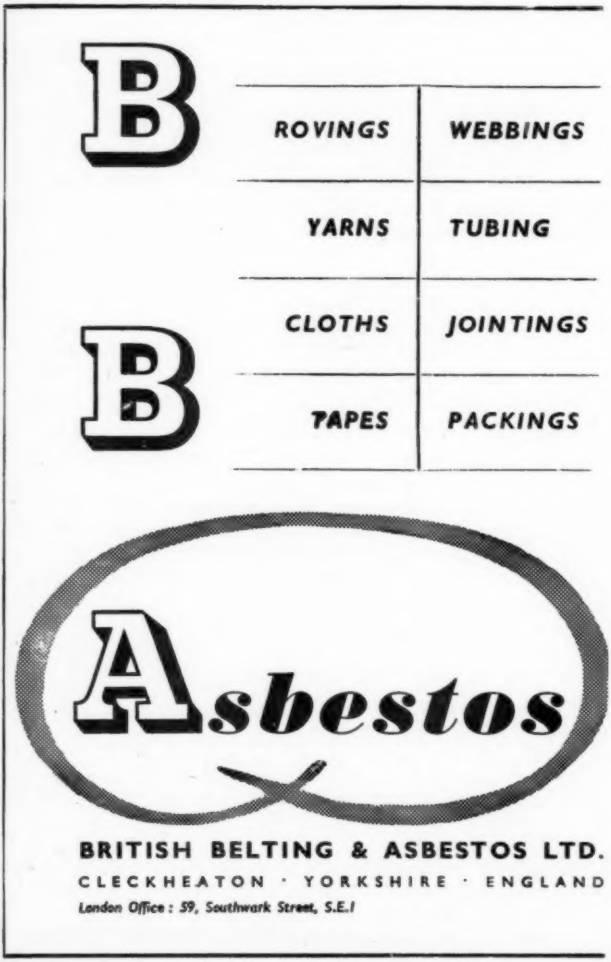
The Board of Directors of Union Asbestos & Rubber Company today declared a quarterly dividend of 25c per share on the common stock payable October 2 to stockholders of record September 8.

WESTINGHOUSE NEWS FEATURES
Asbestos Jackets for Turbines.

The May 30th issue of The Westinghouse News (house organ) features asbestos-covered jackets for turbines—showing the processes in their making.

While the cover is asbestos cloth, the filling is fiberglas treated with a plastic which prevents the glass strands from powdering.

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OBITUARY

Douglas A. Lockwood.

Douglas A. Lockwood, Manager of the Building Materials Southern Division of The Flintkote Company passed away on Wednesday, June 21st in the Baptist Hospital, New Orleans, La., after a brief illness. He was 44 years of age. He was born in Charlestown, Nova Scotia, where he received his early education.

Mr. Lockwood served in the U. S. Marine Corps from 1923 to 1927 and upon his discharge became associated with Equitable Life Assurance Society.

He was first associated with The Flintkote Company as a member of the General Sales Department in Boston in 1930. Soon thereafter he was transferred to Atlanta and served as a territorial salesman in that district. In 1941 he was appointed Assistant Manager of the Southeastern District and later became District Manager. Went to New Orleans as Assistant Manager of the Southern Division in 1947 and assumed the Managership of the Southern Division early in 1948.

FRED A. H. GALLOP

Manager Toronto Sales District

Fred A. H. Gallop, has been appointed Manager of the Toronto Sales District of Canadian Johns-Manville. He will direct sales of building materials and industrial and automotive products in the Province of Ontario, succeeding F. L. Sherry who recently entered business for himself after 28 years with Johns-Manville.

Mr. Gallop joined the Company 25 years ago, most of it being wtih the Sales District which he now heads.

GORDON G. DAVENPORT

Southern Division Manager Flintkote

Gordon G. Davenport, Manager of the Southeastern District, Building Materials Division, of The Flintkote Company, has been appointed Southern Division Manager to fill the vacancy caused by the death of Douglas A. Lockwood.

Mr. Davenport, a native of Texas, attended Texas A. & M. College, after which he became a territorial representative and then Branch Manager in the South for a national manufacturer of Building Materials.

Later he became associated with The Flintkote Company in a sales capacity, operating in the San Antonio area, and was promoted to Manager of the Southeastern District in July 1947.

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ASBESTOS - ORES - MINERALS

All types of ASBESTOS CEMENT PIPE MAKING MACHINES

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STOCK'S ENGINEERING COMPANY S. a r.l.

Inc. Durite Tecnica

24, Via di Cavana, Trieste, Italy

Cables: **STOCKSDURITE—TRIESTE**

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AFTERTHOUGHTS

¶ We are making a collection of asbestos cloth made of asbestos combined with other fibres—rayon, nylon, fiberglas, etc. If you make such a material, please send us a small swatch—say about 3″ x 5″ or larger. We plan to mount them in a book with full description underneath. Be sure to state in accompanying letter the particular purpose for which the material is adapted. One of these new fabrics, "Asbestall" is described on page 16.

¶ Sometimes it is rather amusing to us to read in other magazines, Newsweek, Life, etc., errors of reporting or statement made by them, and proper apologies rendered. Errors will creep in and we must confess we cannot always blame them on that long-suffering nonentity (to our readers) the printer!

¶ Next month we shall publish the last section of Mr. Bloomfield's article "Speaking About Asbestos Yarn"; after that we have an article from Dr. Oliver Bowles on the various types—Chrysotile, and the varieties of Amphibole, which will not only be informative but well to get in the record.

¶ An important development reported this month is the use of asbestos in the **air filtering** industry (page 14). This industry is becoming increasingly important.

¶ When this issue goes to press the Scout Jamboree at Valley Forge, will be about over. Not over or ever forgotten, we hope, the impression on the Scouts from foreign lands of America and her high ideals; nor on those Scouts from states other than Pennsylvania, the impressions of the beginning of America and American Living as typified by Valley Forge.

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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 25c (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.

Hopper. No. 2,504,533. Granted on April 18th, 1950 to James L. Kempthorne, Newark, N. J. Application January 9, 1947. Serial No. 721,132.

Filamentary Product and its Production. No. 2,505,045. Granted on April 25th, 1950, to Harry E. Holcomb, Stratford, Conn. Assignor to Johns-Manville. Application July 27, 1948. Serial No. 40,816.

BOOK LIST

The Asbestos Factbook, 16 pages. Information in compact form on origin, facts, locations, uses, analyses, qualities, 10c per copy.

Asbestos Mining Methods. By C. V. Smith. (Reprint) 16 pages. 25c per copy.

Milling Asbestos. By J. C. Kelleher. (Reprint) 16 pages. Companion article to Asbestos Mining Methods. Both should be in every Asbestos Library, 25c per copy.

Recovery of Raw Asbestos. By Roland Starkey. (Reprint) 6 pages. Supplement to Milling Asbestos. 25 per copy.

Canadian Chrysotile Asbestos Classification. Including latest Quebec Testing Method. January 1, 1949 Edition. 4 pages. 25c per copy.

Processing Asbestos Fibres. 8 pages. (Reprint) 25c per copy

Tests for Cotton Content. 4 pages (Reprint) Describing several methods of testing asbestos textile for cotton content. 10c per copy.

Chart—Dollars Cost of Uninsulated Pipe. (Reprint) 20c each

Brake Linings of Various Types, By R. T. Halstead. Reprint (12 pages) from August, September and October 1949 "ASBESTOS". Price 25c per copy.

Asbestos—The Silk of the Mineral Kingdom, by Oliver Bowles. 40 pages about asbestos, from mine to finished products, in plain language, illustrated, 25c a copy.

Twelve Estimating Tables, with Chart. Convenient in figuring flange fittings and other areas. $1.00 per set.

Manual of Unit Prices. For figuring pipe covering and blocks. 75c per single copy postpaid. Discount in quantities of 6 or more, postage billed. Note *increase* in price.

Order any of the above from "ASBESTOS", 808 Western Saving Fund Bldg., Philadelphia 7, Pa. Postage stamps acceptable for amounts less than $1.00.

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CURRENT RANGE OF PRICE

As of July 10, 1950

	Per Ton (2000 lbs.) f.o.b. Mine
Canada—	
Group No. 1 (Crude No. 1)	$960.00 to $1,050.00
Group No. 2 Crude No. 2; Crude Run-of-Mine and Sundry	400.00 to 550.00
Group No. 3 (Spinning Fibre)	232.00 to 425.00
Group No. 4 (Shingle Fibre)	95.50 to 141.00
Group No. 5 (Paper Fibre)	78.50 to 88.00
Group No. 6 (Waste, Stucco or Plaster)	58.00
Group No. 7 (Refuse or Shorts)	28.00 to 52.00
Vermont—	
	Per Ton of 2000 lbs. f.o.b Hyde Park or Morrisville, Vt.
Group No. 4 (Shingle Fibre)	$111.50 to $124.00
Group No. 5 (Paper Fibre)	79.00 to 96.50
Group No. 6 (Waste, Stucco or Plaster)	59.00
Group No. 7 (Refuse or Shorts)	28.50 to 52.50

ASBESTOS STOCK QUOTATIONS

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

		June 1950		
	Par	Low	High	Last
Armstrong Cork (Com.)	np	47¾	52⅞	48¾
Armstrong Cork (Pfd.)	np	101¼	104	102¼
Armstrong Cork (Conv. Pfd.)	np	112	117¾	114½
Asb. Corp. (Com.)	np	29½	34¾	31½
Asb. Mfg. Co. (Com.)	1	1	1¼	1
Carey (Com.)	10	17¾	18⅞	16
Celotex (Com.)	np	16½	19⅜	17
Celotex (Pfd.)	20	16⅜	17	16⅞
Certainteed (Com.)	1	14¼	17⅞	15½
Flintkote (Com.)	np	26¼	30⅛	27¼
Flintkote (Pfd.)	np	103⅝	106½	106½
Johns-Manville (Com.)	np	43¾	51	45
Paraffine (Com.)	np	15¼	17	15½
Paraffine (Pfd.)	100	98⅞	101	99½
Ray-Man (Com.)	np	30	33	30
Ruberoid (Com.)	np	50	60½	51
Thermoid (Com.)	1	6	7⅜	6⅛
Thermoid (Pfd.)	50	40	42	40
Union Asb. & Rub. (Com.)	5	11⅛	12⅝	12
United Asb. (Com.)	1	44c	64c	45c
U. S. Gypsum (Com.)	20	118½	135	121
U. S. Gypsum (Pfd.)	100	181	187	184½
U. S. Rubber (Com.)	10	38¾	46⅝	40½
U. S. Rubber (Pfd.)	100	129¼	135¾	130½

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EHRET'S VALLEY FORGE PACKINGS

Standardization by EHRET packing experts has produced a line of packings that has been held to a minimum number of items consistent with service, economy and good practice. Dealers and Distributors can materially reduce inventories and, at the same time, maintain stocks to cover a broad range of service requirements.

Details of the Ehret line of Valley Forge Packings are contained in a packing service manual. A copy will be sent to you on request.

EHRET MAGNESIA MANUFACTURING COMPANY

VALLEY FORGE · PENNSYLVANIA

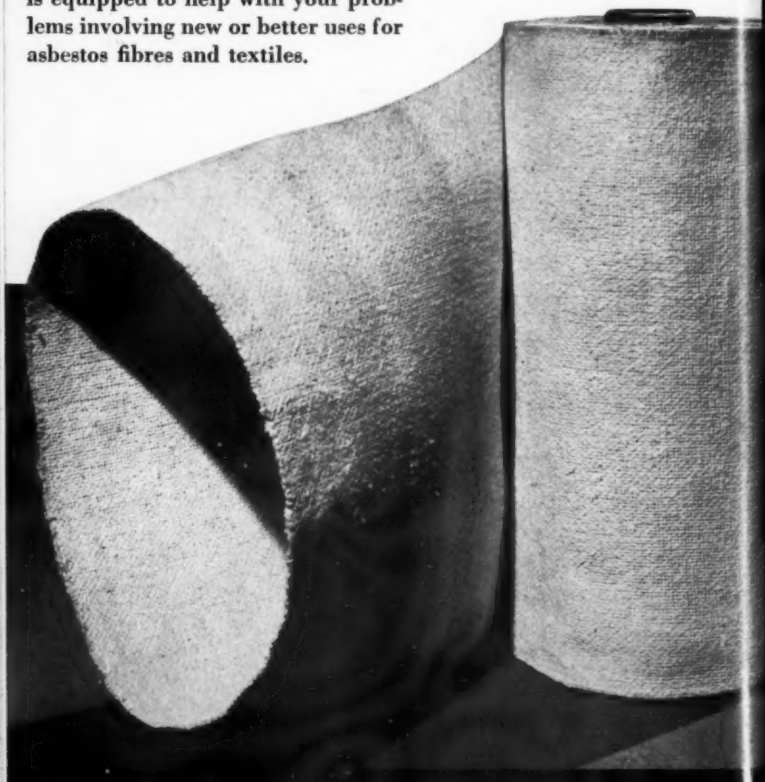
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SOUTHERN ASBESTO

DUST OR FUME BAG

Woven to specifications and seamless, Southern Asbestos Dust or "F
Bags are constructed of selected asbestos for specific conditions, and v
to give excellent strength and long life. These Asbestos Bags are repl
cotton and wool bags in many dust systems, because of their ability to
stand high temperature, acid fumes, fungi growth. Write for Bulletin 10

Southern Asbestos Company, with over 25 years of specialized expe
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is equipped to help with your prob-
lems involving new or better uses for
asbestos fibres and textiles.



SOUTHERN ASBESTOS COMPANY . CHARLOTTE 1 N



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