ASBESTOS

Vol. 6 JUNE 1925 No. 12

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NORRISTOWN, PA.

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... ASBESTOS ...

A MONTHLY MARKET JOURNAL

DEVOTED TO THE INTERESTS OF THE ASBESTOS AND MAGNESIA INDUSTRIES

A. S. ROSSITER - - - EDITOR

PUBLISHING OFFICE

246 NORTH 17th STREET

PHILADELPHIA, - PENNSYLVANIA

Entered As Second Class Matter November 23, 1923, at the Post Office at Philadelphia, Pennsylvania, Under Act of March 3, 1879

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U. S., CANADA AND MEXICO - - $2.00 PER YEAR
FOREIGN COUNTRIES - - - 3.00 " "
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Photo by courtesy of Asbestos Brake Lining Association

The Float of the Asbestos Brake Lining Association in the Safety Parade Held in New York City on May 11th, Attracted Much Favorable Comment

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EDITORIALS

The Float of the Asbestos Brake Lining Association in the Safety Parade Held in New York City on May 11th, Attracted Much Favorable Comment

Problems in the Indian Asbestos Field.

From time to time there has been mention made in these columns of Asbestos deposits in India, but for the most part development of these deposits has been carried on in a very desultory manner.

The Indian Mines and Minerals, Consulting Geologists and Mineral Dealers of Calcutta, are interested in, and in fact control, several deposits of asbestos, and are much interested in the development of the Industry in their country.

The chief difficulties confronting the successful establishment of asbestos mining in this country are:

1. Very meagre knowledge on the part of proprietors or lessees of the deposits concerning the raw product.

2. Complete ignorance about the application of asbestos in various industries.

3. Reluctance to appreciate and support a professional man and scarcity of professional experts in the country who know anything of asbestos industries or who are prepared to devote any attention to acquire any such knowledge.

4. All the well-known occurrences are of only the amphibole variety and even of this most of the fields are already condemned owing to too much brittleness of the fibres.

5. No organization in the country to carry on proper and strenuous technical research to indicate the best possible use for these low quality fibres.

6. Producers have to depend solely on the prospect of foreign export of their crude fibres, and the prospect is very gloomy for various reasons, the most prominent of which is that Indian asbestos has gained a cheap notoriety. for its unfitness.

The majority of these difficulties can be appreciated by those who have helped develop the Canadian, African or Arizona fields, as most of them have beset the path of the early Asbestos producer and some are encountered even at this time.

The Indian Mines and Minerals plan to go into the

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subject more thoroly, and thru technical research, and exhaustive study, determine whether the Indian mines cannot be developed profitably. They claim to have a good quality of asbestos, which is, of course an encouraging basis from which to work.

The Asbestos Merger.

Out of the welter of conflicting rumors in the press and thruout the industry comes a fairly clear impression that the consolidation of Canadian Mining Companies is nearing completion.

The Asbestos Corporation of Canada stock is the natural barometer because its stock is the only one listed and traded in daily on the exchange. The common has moved out of the twenties up into the eighties while the preferred has gone from sixty to one hundred and nine.

While it is true that the Asbestos Corporation has been able to show net earnings sufficient to pay 6% on its preferred and 2% on the common, undoubtedly the chief reason for this upward movement in stock value is the increasing likelihood of a merger being effected.

The failures of the Bennett-Martin and Pennington Companies and the well-known troubles of most of the other producers has awakened a public opinion in Canada which not only expects, but is demanding, action by those in power, looking toward the saving for Canada of its God given asbestos resources.

The negotiations as reported from time to time have quite evidently been impeded in progress by the natural, and apparently universal, unfortunate desire of men for more and still more money and power. Instead of frankly recognizing, admitting and utilizing the obvious fact that almost any immediate concession will be returned manyfold in the long run, by the better operating, selling and administration possible under merged conditions, the practice appears to have been to quibble over small sums, to insist upon this or that sort of control, and to otherwise play the "peanut politics" game.

Buyers, manufacturers and users of asbestos have been kept in a state of uncertainty and bewilderment for nearly eight months, and this alone is responsible for at least some of the "slowness" in trade.

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Carey

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ASBESTOS ROOFINGS
ASBESTOS PAPER AND MILLBOARD
INSULATING AND HIGH TEMPERATURE CEMENTS
BOILER SETTING CEMENT
ASBESTOS ROPE AND WICK PACKING
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PREPARED ASPHALT ROLL ROOFINGS
BUILT-UP ASPHALT ROOFINGS
SLATE SURFACE SHINGLES

WATERPROOFING
Asphalt and Tarred Felts
Waterproof Insulating Paper
Roof Paints
Asbestos Roof Cements
Asphalt Pitch

THE PHILIP CAREY COMPANY
Lockland, Cincinnati, Ohio

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The Asbestos Industry contains in its personnel at least a few men of outstanding ability and resource. The bankers have shown remarkable patience and ingenuity and deserve at the hands of the leaders of the industry that degree of outspoken loyal co-operation necessary to clear up this deal and send the industry off on a period of deserved prosperity and logical development.

An Important Trade Association Decision.

Trade Associations in general have cause for rejoicing over the decision recently handed down by the Supreme Court, favoring trade association activity.

The cases in point were the Cement Manufacturers' Protective Association and the Maple Flooring Manufacturers Association.

The operations of these two associations had been declared by Government counsel to be similar to a movement among business concerns to pool their interests in violation of the Sherman act under the guise of exchanging trade information. The Supreme Court disagreed with that contention, holding that both associations were operating lawfully. Furthermore, the decision specifically stated that:

"Trade associations or combinations of persons or corporations which openly and fairly gather and disseminate information as to the cost of their product, the volume of production, *the actual price which the product has brought in past transactions,* stocks of merchandise on hand, approximate cost of transportation from the principal point of shipment to points of consumption, as did these defendants, and who, as they did, meet and discuss such information and statistics without, however, reaching or attempting to reach any agreement or any concerted action with respect to prices or production or restraining competition, do not thereby engage in unlawful restraint of commerce."

Chief Justice Taft and Justices McReynolds and Sanford dissented from the majority view in both cases, declaring that the evidence in each of the cases brought them substantially within the rules stated in the American Column Company and the American Linseed Oil Company cases and that the organization in both cases was unlawful.

The Department of Justice has issued a warning, however, that the decisions in these two cases will not deter it

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Also other grades of Arizona Asbestos for prompt shipment from warehouse in New York City

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IMPORT

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from proceeding with anti-trust investigations, and will continue to be alert to detect and prosecute associations whose operations go beyond the mere dissemination of knowledge.

The trade of the entire country should benefit by these decisions. Undoubtedly the dissemination of information as to production, stocks on hand, past prices, etc., benefits the public rather than the reverse, for all these things tend to lessen the danger of over-production, and lead to a uniform quality product which, backed by the association, can be depended on as to service.

We believe the Government will find it has performed a real service to business in general, and the public by these decisions.

The Installment Idea as Applied to Asbestos.

The Installment plan of buying is becoming increasingly popular, principally, we suspect, because the average modern American has an ever increasing desire for the luxuries of life, but would be unable to obtain them if it were necessary for him to pay cash for his victrola, piano, furniture or automobile.

The two latest entrants into the installment field are in the nature of necessities, or economies, rather than luxuries—paint and roofing. Painting and reroofing of property are apt to be postponed as long as possible, especially when the work necessitates under present day high prices, a considerable cash outlay.

The plan devised by Johns-Manville, Inc., for time payment on reroofing jobs (asbestos reroofing jobs) contemplates the advancement of the money by a trustworthy commercial credit concern, the charge for the financing being 9%. An initial payment of 20% is made on completion of the job, and the balance is divided into ten monthly payments.

Undoubtedly such a plan will greatly increase the sale of roofing, it will tend to decrease the fire hazard, and it will materially assist the roofer, or carpenter, or contractor doing the work, in financing his business.

The public will benefit by obtaining a fireproof, permanent and beautiful roof, at a monthly outlay which can be easily afforded by the average home owner.

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"FIRE BACKING"

A Combination of the Best Insulating Value, High Temperature Resistance, Mechanical Strength and Moderate Cost

FURNISHED IN BLOCKS AND SECTIONAL PIPE COVERING



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FACTORY—REDWOOD CITY, CAL.

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Asbestos Cements

By Albert P. Sachs, *Technical Director, Universal Trade Press Syndicate*

In the keen struggle to deliver the b. t. u.'s present in the coal or fuel oil to the point where they are to be utilized, it is well to remember that the economies which may be effected by the use of efficient boiler-plant and auxiliaries and by the most modern types of steam engines, can be very easily offset, partially or wholly, by heat losses from the exposed surfaces of steam lines and all sorts of equipment. The magnitude of the heat losses which may be suffered by the exposure of steam lines and the equivalent coal tonnages have been indicated in one of our earlier articles.

In providing insulating materials for heat radiating surfaces it should be borne in mind that molded, factory-made products are superior in insulating properties to insulating cements and similar products, and are therefore to be specified and used wherever possible. The factory-made products can be manufactured to contain large volumes of dead air space, and, as is well known, dead air space is the best possible insulator.

Asbestos cements, however, have their legitimate field in which they represent true economy and usefulness. On almost all work a certain amount of cement or plastic insulation is required, and in some cases, such as for fittings and accessories where standard forms cannot be used, cement is the best product available. It is also useful for filling the joints between blocks and as a finish coat over block insulation. Asbestos cements also find use in temporary jobs and in repair and emergency work. Their field of usefulness is thus seen to be very broad.

The so-called first or rough coat asbestos cements are used on large surfaces and on fittings where the service requirements are not too strenuous and the temperatures not too high. Thus in mills, hot water tanks and in dwellings the low pressure boilers used are covered with this first coat asbestos cement. It is relatively inexpensive, has great covering power, and is made to have as high resistance to

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ASBESTOS

We prepare

ASBESTOS

Canadian Crude
White Rhodesian
Yellow or Blue
South African

For Your Particular Requirements

ASBESTOS LIMITED
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Works: MILLINGTON, N. J.

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cracking as possible. In general it is a mixture of inorganic substances such as stucco, plaster of paris, tale, kaolin or clay, with asbestos as a binder and strengthener. A certain amount of diatomaceous earth may be added to increase the insulating properties. The insulating value of a good rough coat asbestos cement approximates that of the cheapest air-cell covering.

For finishing purposes a cement is used of similar composition but containing a certain percentage of portland cement to produce a hard, smooth, good-looking surface.

It may be well to note here a product which is not an asbestos cement itself but is used as a cement in asbestos products. This is sodium silicate. In the manufacture of air cell products consisting of corrugated asbestos products cemented together so that the direction of alternate sheets is at right angles, sodium silicate solution is used as the binder. The products thus made have the well known advantages of strength due to their structure and of insulating power due to the entrapped air.

High temperature asbestos cements have a totally different function. They are used for lining the interior of high temperature furnace settings subjected to the range 2600° F. to above 3000° F. The brick setting (which has the necessary strength and insulating properties) is subjected to such destructive action that it is considered best practice not only to use such a cement between the bricks, but also as a facing. When it fuses in position it forms a one piece glaze which, because of its smoothness and homogeneity offers considerable resistance to the destructive action of hot, corrosive gases, high velocity dust currents and the intense radiation, together with more or less sudden temperature changes. The compositions used are of two types:

(a). Crushed ganister rock and asbestos is mixed with enough water to form a paste and is applied and then fused in position as indicated.

(b). A similar product is made up ready mixed with silicate of soda and is sold in air-tight containers ready for use.

To take care of the range intermediate between the

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rough coat asbestos cements and the high temperature asbestos cements (2600° F.) there are various furnace and retort asbestos cements of compositions midway between those indicated and generally considered by the manufacturer as worth keeping secret.

In covering high temperature flanges and fittings the covering must be removable. In some cases a woven asbestos covering is used, but a more efficient means is to form a hand-made block of asbestos cement with chicken wire reinforcements. The blocks are used to make a hinged, removable insulation.

Hair is being replaced by asbestos to a certain extent in the production of plaster for lath covering.

Another type of asbestos cement which has found even greater favor abroad than here is the asbestos cement used for making shingles and boards. It consists primarily of asbestos and portland cement together with fillers and coloring materials. These materials, however, have been described in earlier issues of "ASBESTOS," and are mentioned here only to make our list of asbestos cements complete.

If any of our readers know the name and address of the manufacturers of Argentum Shells, we would be glad to have them advise us as we are desirous of getting in touch with the makers of that material. Argentum Shells are, we believe, used in connection with underground pipe insulation work.

Canada is forming a merger of concerns in the asbestos industry. Is the Dominion trying to prepare itself against the wrath to come?—Phila. Inquirer.

One is much better occupied breaking bad habits than good promises.

Building permits are never issued for Air Castles.

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Prasco High Temperature Insulation -- Its History

The steadily advancing temperatures which insulation material is constantly being required to withstand, particularly where oil fired boilers are used, makes it apparent that insulation material must hereafter be planned with these excessive temperatures in mind.

Probably as far back as 1915, one manufacturer, the Plant Rubber & Asbestos Works, recognized this condition, and since that time has been experimenting continuously with the view to producing an insulation which would really stand up under high temperatures.

The Plant Rubber & Asbestos Works has been working in the insulation contracting trade for many years, entering the manufacturing field about five years ago. Being native to California, they remember vividly the earthquake and fire which practically destroyed San Francisco in 1906, and as they were interested in insulation at that time, naturally they observed the effects of the fire on the various kinds of insulation materials used. To their surprise, they found that their so-called cheap plastic and asbestos jobs stood the heat of the burning city while other jobs considered of high class were almost all obliterated by the extreme heat.

Now their Asbestos plastic had as its main component, diatomaceous earth, found in California, and it was from this simple fact that they started to experiment in the making of an insulation block which would withstand extreme temperatures. The chief difficulties were to find a proper bond for the earth, and to make the block sufficiently strong for commercial purposes.

About two years ago the experiments developed the Prasco High Temperature Block, which is composed of diatomaceous earth and asbestos fibres as basic materials, but Prasco was not immediately put on the general market. Instead it was used only where it could be carefully watched, and the results of such observation have been most gratifying. Prasco Blocks have stood up under working

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conditions where pyrometer readings show 1700 degrees and laboratory tests seem to indicate that this is not its limit.

These blocks are recommended especially for insulation between fire brick and the outer red brick set boilers, between fire brick and the steel casing on steel encased boilers; on insulating any part of a marine boiler where economy in weight and space is the first requirement and on uptakes, breechings and any other place where the temperatures are over 1000 degrees.

The next step was, of course, a simple one. With steam temperatures going higher and higher, the ideal steam pipe covering for extreme purposes should consist of the inner layer of Prasco High Temperature material and an outer layer or layers of 85% Magnesia. Such a material is now being manufactured, and can be obtained in either double standard thickness or double layer 3 inches thick, as required.

Specimens of both the blocks and pipe covering are on exhibit at the office of "ASBESTOS."

ELWOOD J. WILSON

350 Madison Avenue
AT 45TH STREET

New York : : N. Y.

ALL GRADES OF ASBESTOS FOR SALE

The Expert Examination of Asbestos Properties

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MARKET CONDITIONS

General business conditions seem to be "spotty." Increases in demand are only marked when some sudden change in season or weather affects them favorably—for instance, gasoline, ice and ice cream sales during the recent hot spell.

Ordinarily it takes a lot of effort and energy and advertising for individual companies to keep their sales at a barely satisfactory level.

Basic factors are considered favorable—but this seems to have been the case for the last six months and apparently has little effect on actual business.

Raw Material.

Our correspondent, E. J. Wilson of New York City, says:

"During the past month sales have been good and shipments heavy for most of the Canadian producers. One of the large companies shipped two thousand more tons of asbestos during the first five months of 1925 than in the same period of 1924. Prices are gradually working to higher levels on all grades except the very short material and it is hoped that better prices will prevail on such material before long. On paper stock prices have been steadily rising and one company is now asking $50 per ton for the best grade. This is a great improvement over a year ago.

"It appears that conditions are better now than at any time since the slump at the end of 1920. Those mining companies which have rich deposits have weathered the storm and are making some real money and will do better in the future."

This appears to be a very optimistic report—we hope the prediction is a true one.

Of course the most important happening in the Canadian Asbestos Field is the Asbestos Merger. The voting trust (which is the latest plan for the merger) has virtually gone thru, and while there are innumerable kinks to be straightened out before the merger becomes an actual fact and really operates, we have hopes that the Fall will see

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AMERICAN ASBESTOS COMPANY

Manufacturers of
Asbestos Textiles

NORRISTOWN, PA., U. S. A.

Headquarters for Yarns, Cloth, Tapes, Fibres, Brake Linings and Textiles Generally

WRITE FOR PRESENT PRICES

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the newly merged company in full swing. Of course, due to the frailty of human nature, you never can tell just what is going to happen next.

Manufactured Asbestos Goods.

Evidently the putting thru of the merger has somewhat alarmed the users of the lower grades of Asbestos Fibres, for many of them are trying to cover for several months' requirements, and since those who are interested in the welfare of the merger do not desire to load up with a lot of unfilled contracts to be turned over for adjustment and fulfillment by the merged company, the situation is somewhat peculiar.

The spinners, who of course use the longer grades of material, have been affected hardly at all by the merger talk, as they realize higher prices for Crudes and spinning fibres can hardly prevail with Africa's competition.

The outlook in Paper is not as promising as we would like to see it. while textiles seem to be particularly dull outside of the brake lining field. Brake Lining is holding its own in demand—in fact demand is increasing steadily as is only natural when we consider the facts on page 22 of this issue, and add to them the awakening awareness of the motorist to the danger of faulty brakes.

Our English correspondent advises that prices of manufactured asbestos goods in England continue on the low side, the bugbear of foreign competition depressing prices all round. There is the keenest possible competition for insulation work of all descriptions, in which there has been an improving tendency during the last few months. Whether the present low prices can continue in view of the increase in raw materials generally is very doubtful.

On the whole, we should say that the Asbestos Industry is holding its own, and it is hoped that if the Fall sees the Asbestos Merger actually in operation, and basic factors somewhere near right, conditions will improve.

"There is a service station for every 269 cars in the United States," says the National Automobile Chamber of Commerce. Someone suggests that there should be a hospital in connection with each service station.

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HIGH GRADE ASBESTOS TEXTILES

Carded Fibres
Yarns, Cord, Mantle Yarns
Plain and Metallic Cloths
Braided and Woven Tapes
Braided Tubings
Woven Sheet Packings
Woven Brake Linings
Gloves, Mittens, Leggins
Gaskets, Seamless and Jointed
Packings, Stem and High Pressure
Wick and Rope

Asbestos Fibre Spinning Company

North Wales, Penna.

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A Few Facts Showing the Growth of the Automobile Industry

In 1895 four passenger cars were registered; in 1900, 8,000; in 1905, the number had jumped to 77,400 cars and 600 trucks; 1910, 458,500 cars and 10,000 trucks; 1915, 2,309,666 cars and 136,000 trucks; 1920, 8,225,859 cars and 1,006,082 trucks; 1924, 15,460,649 cars and 2,131,332 trucks.

It is estimated that in 1924 there was invested in Automobile manufacturing a total capital of $1,691,050,112.

There are employed directly in the automobile industry, 2,893,563 persons, and 226,000 employed indirectly.

During 1924, wages in motor car and truck factories amounted to $547,215,700.

The quantity of gasoline used by motorists during 1924 was approximately 6,224,500,068 gallons, 80% of the total consumption.

Two hundred and forty-five million gallons of lubricating oil were used during 1924.

During 1924 there were 17,345 motor fatalities, which is 893 more than in 1923. Considering the increase in registration, however, motor fatalities decreased; in fact during 1923 there were 109 to each 100,000 cars registered, while in 1924 only 98 to each 100,000 cars.

Motor buses are gaining in favor—there were 60,000 used in the United States during 1924, 20,000 of which were used by schools.

During 1924 there were in use all over the world, 21,264,752 motor vehicles, 83% of which are in the United States.

All the above figures apply to the United States except where otherwise specified.

These are just a few of the many interesting facts published by the National Automobile Chamber of Commerce, in their 1925 edition of *"Facts and Figures of the Automobile Industry."*



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INSULATING MATERIALS OF THE BETTER TYPE



ASBESTOS
MATERIALS
BUILT
TO
INSULATE

are manufactured by

SALL MOUNTAIN COMPANY

SCRANTON CHICAGO BOSTON

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PRODUCTION STATISTICS

Australia.

The Department of Mines of New South Wales, Australia, reports that no Asbestos was mined in New South Wales during 1924.

Rhodesia.[1]

	February 1925 Tons	Value
Bulawayo District—		
Nil Desperandum (Afr. Asb. Min. Co., Ltd.) ...	283	£ 3,968
Pangani (J. S. Hancock)	30	345
Shabanie (Rho. & Gen. Asb. Corp., Ltd.)	517	12,928
		£17,241
Deduct Nil Desperandum adjust.		10,423
		£6,818
Victoria District—		
Gath's (R. & Gen. Asb. Corp.)	262	6,544
King (R. & Gen. Asb. Corp.)	346	8,670
	1,438	£22,032

Union of South Africa.[2]

Production during February, 1925, was 1,869 tons valued at £42,882.

	February 1925 Tons	Value
Transvaal	556	£ 8,280
Cape	264	4,916
	820	£13,196

During February, 1924, 484 tons valued at £8,145 were shipped from the Union.

1. Figures published by Rhodesia Chamber of Mines.
2. Figures published by Department of Mines for the Union of South Africa.

STANDARD BRAKE LINING COMPANY
Manufacturers of all grades of Twilled Cotton Transmission Lining for Ford cars. Can furn'sh treated or untreated material.
Factory, GLEASONDALE, MASS.

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Asbestos Fibre

for the manufacture of

Roofing Cements · Fibrous Paints
Filtration Packings
Asbestos Shingles and Lumber
Insulating Cements
Asbestos Paper · Pipe Coverings
Asbestos Millboard
High Temperature Cements

THE QUEBEC ASBESTOS CORPORATION

Office and Mines
EAST BROUGHTON, PROVINCE *of* QUEBEC
CANADA

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CONTRACTORS AND DISTRIBUTORS PAGE



The apt illustration of the price cutter at the top of this page is not merely a smile provoker but illustrates a psychological point in selling.

If everyone could think and act independently of every other person, life's problems would be much more simple. It is easy enough to consult your own desires and needs and act accordingly, but not so easy to decide on the best course to pursue when we have to consider the **probable** action of our neighbors and the corresponding effect on ourselves and our business.

In society it may be immaterial to us what Mrs. Jim Jones does and says, for no matter what she does or says, it probably does not affect us very much one way or the other, at least not financially. But in business what Jim Jones as our competitor does and says is of very great importance, for if Jim Jones quotes a low price on a certain job, we must either lose the business altogether or quote a somewhat lower price and there-

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fore make somewhat less profit than we had figured on. And there is generally more than one Jim Jones to consider.

Even if we knew the price Jim were quoting or had quoted, it would not be a very difficult matter to decide whether we wanted to meet Jim's figure and so lessen our profit, or whether we preferred to let Jim have the business at the low figure. Unfortunately, because of the vagaries of human nature, and partly also because of the anti-trust laws, we do not know just what price Jim is quoting, or if we are informed, we are not altogether sure that our information is accurate.

Another factor enters into the equation, particularly in the business of the small firm which hasn't any too much capital, is the question as to whether it will pay us better to keep our men working even tho we are not making any money on the contract, or to leave our men go and trust to luck, or some other agency, to be able to get good men when a profitable job comes along. Many firms figure that if they break even on a contract when work is scarce, they are at least holding their men in reserve against the time when they will be needed, and probably getting a certain amount of advertising out of the work.

These are just a few of the many factors which must be considered before we cut the price. It is really immaterial who cuts the price, but it is very important to know the circumstances surrounding the cut, and so be better able to decide our course of action when the next contract comes along.

The cartoon at the beginning of this article has been reproduced thru the courtesy of the Official Bulletin of the Heating & Piping Contractors National Association.

BUILDING STATISTICS

Contracts awarded during April showed a steady increase over March in almost all classes, the exceptions being commercial, public buildings and educational buildings, but these decreases were negligible and more than made up by increases in other classes.

Contracts awarded during March, 1925, covered 14,475 projects, with a floor space of 73,554,800 at a valuation of $480,916,300.

April contracts covered 15,844 projects with a floor space of 82,564,500 valued at $546,970,700.

During March contracts were awarded for 19,858 residential buildings; in April number of residential buildings was 20,249.

Next month we hope to print a list of the principal cities in the United tSates, wage rates in each and date of expiration of contracts.

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This page devoted each month to discussion of brake lining activities by O. B. Towne, Commissioner of the Asbestos Brake Lining Association

The American Engineering Standards Committee has appointed a Committee on Safety Code for Brakes, to standardize, insofar as possible, the equipment, the tests and the service work in the automobile industry.

The meeting of the Sectional Committee, which is working on the problem for pleasure cars, automobile trucks and buses, met at the Bureau of Standards, Washington, D. C., on May 19th, to make a preliminary draft for the consideration of the participating lines. The Asbestos Brake Lining Association is actively interested in this work because it all spells asbestos brake lining in the long run. Brake lining is the key to the situation.

The firms and organizations represented on the committee are the American Automobile Association, American Society of Civil Engineers, Asbestos Brake Lining Association, Association of State Highway Officials, Bureau of Standards, Eastern Conference of Motor Vehicle Administration, Eno's Safety Foundation, International Association of Police Chiefs, Midwestern Conference of Motor Vehicle Administrators, Motor and Accessory Manufacturers' Association, Motor Vehicle Conference Committee, National Association of Mutual Casualty Companies, National Automobile Chamber of Commerce, National Automobile Dealers Association, National Automobile Underwriters' Association, National Bureau of Casualty & Surety Underwriters, National Highway Traffic Association, National Research Council, National Association of Taxicabs, National Association of Railway & Utility Commissioners, Natonal Safety Council, Pacific Coast Administrators' Association, Region Plan for New York and Its Environs, Russell Sage Foundation, Rubber Association of America, Society of Automotive Engineers, Underwriters' Laboratories, U. S. Bureau of Public Lands.

The code will be put in its complete form and issued as soon as is consistent with thoroness.

The importance which motor manufacturers place on brake capacity, as well as power, is indicated in the adoption of a Standard Caution Plate for all trucks. The explanation made is that this is done to assist the law enforcement officers in checking up the operation and adjustment of brakes. This is a direct endorsement, from the highest authorities, of the brake testing campaigns being put on in many cities, resulting in the saving, literally, of hundreds of lives from being snuffed out in motor accidents during the year.

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Allbestos Corporation

High Grade Asbestos Textiles

Yarns, Brake Linings
Clutch Facings
Listings
Plain and Metallic Asbestos Cloth
Wick, Rope and Asbestos Specialties

Manufactured directly from the raw materials to the finished product in our own factory.

Belfield Ave. and Fisher's Lane
LOGAN, PHILADELPHIA

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In a recent compilation of figures on the saving of life from motor accidents during 1924 as against 1923, there are 79 cities in the Honor Column, with a total reduction of 520 fatal accidents in 1924 as against the 1923 figures. Philadelphia leads the list with a reduction of 34, while Chicago and Fort Worth, Texas, come second and third with a reduction of 23 and 22 respectively. It is significant, also, that the reduction in the Fort Worth figures means that the number of fatal accidents in that city during 1924 was approximately 65% smaller than the number for 1923.

The big brake testing campaign to take place in Kansas City, Mo., during the second week in June has thoroly aroused public sentiment and has secured the hearty co-operation of city officials and automobile owners alike.

Heard on the street after the subway smash-up in New York, due to **faulty brakes**, in which 22 people were injured: "They will have to take counsel from the automobile industry and put asbestos lining on their brakes also, test them regularly, fine the owners if they are faulty or neglected and put on new lining whenever there is even a suspicion of a need. We can't afford to take any chances." (Too bad heavy rolling stock can't use asbestos brake linings.)

Brake Linings and Clutch facings neglected until they slip, are a good deal like the individuals who "can take it or leave it alone"—they always slip at the wrong time, and when the slipping is going on it is too late to start reforming.

AUTOMOBILE PRODUCTION

The National Automobile Chamber of Commerce announces the Automobile Production for May to be 404,300 cars and trucks, this figure being 4% decrease from April. An addition of the Canadian Production should make the figure reach 420,000.

The N. A. C. C. adds that the fact that May was 4% under April reflects the conservative atmosphere in the industry. It is expected that June, 1925, will be an improvement over June, 1924.

It is reported that the automobile manufacturers of the country are planning to enter the insurance business, in an effort to lessen the cost of insurance on automobiles.

BRAKE LINING COMMISSION WEAVING
Let us weave your white asbestos yarn into brake lining for you.
STANDARD BRAKE LINING CO.
Gleasondale, Mass.

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Asbestos Corporation of Canada, Limited

The Largest Producers of Raw Asbestos in the World

CRUDES
SPINNING FIBRES
SHINGLE STOCKS
PAPER STOCKS

Mines

Kings Mines, Thetford Mines, Quebec
Beaver Mines, " " "
B. C. Mines, Black Lake, "
Fraser Mines, E. Broughton, "

Head Office

Canada Cement Building
Phillips Square - Montreal

General Office

THETFORD MINES
Quebec, Canada

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The "Gorny" Journal Comments on the Asbestos Situation

The March issue of the "Gorny" Journal, published in Russia and devoted to Engineering and Mining subjects, contains comment on the world situation in Asbestos. We quote a few extracts which may prove of interest to our readers:

"The conditions affecting asbestos mining in Canada during 1924 were not especially favorable. This was a record year both in point of demand and output, but the Canadian mines are equipped for a far larger output of asbestos than can be consumed by the maximum demand of the world market at the present time .....

"Attempts have been made from time to time to work out terms of agreement on the part of the asbestos producers, with a view to distributing this limited demand among the individual mines, but fierce, stiff-backed competition has tipped the scale instead to the accompanying tune of price smashing. The upshot was that only a few mines where the rock is rich in asbestos, or those mines which enjoyed exceptionally favorable operating conditions, were in a position to work the whole year round to full capacity, while some of the mines not so favorably situated had to be operated by fits and starts, with long halting spells, or not at full load capacity, while a part of the mines were idle during the entire year of 1924 .....

"To wage an effective fight against the ever increasing loss in the export of long-fibred asbestos, which for a long time had been most profitable to the asbestos mining industry of Canada, that country will have to lower, in a more determined manner than ever before, the price on its long-fibred grades, so as to stand foreign competition, and advance, as far as practicable, the prices on all the other grades. But such a policy will be successful only when the control over the output of asbestos and its sale is focalized in one central administrative unit."

A man grows rich by seeming poor, and an extravagant man grows poor by seeming rich.

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About Ourselves and You

A letter reached us recently requesting a tabulation of the various uses of Asbestos and Asbestos Materials. It happens that no attempt has been made for some time to compile a complete list of uses, and it was necessary therefore to read thru the several volumes of "ASBESTOS" and collect the information from other records. We had hardly begun when we found that the reading over of back issues of "ASBESTOS" was going to prove most interesting and helpful, to say nothing of the value of the list itself when compiled. In order to give our readers the benefit of these uses we are planning to publish them in the July issue—at the present writing the list is not quite complete.

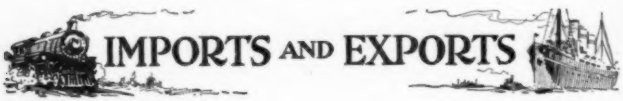
Another helpful communication received in our mail during the past week gave certain information concerning an Asbestos contracting firm with a request that we make note of it in "ASBESTOS." Requests of this sort are always appreciated and in this case we immediately wrote the firm suggesting that they add to the information given so that the write-up might take the form of a little history of their company.

Our particular purpose in citing the above instances is to urge our readers to ask us for all kinds of information. Nine times out of ten you are doing us a favor instead of asking for one.

A pleasant surprise came to us the other day when four young men employed in one of the neighboring asbestos plants, stopped in to look over our collection of asbestos specimens. We hope they got as much pleasure out of seeing the exhibit as we did from talking with them.

The July issue begins the first number in our seventh volume. It promises to be a very interesting one. The leading article has not yet been fully decided upon—we have two or three from which to pick—but we can assure you it will be interesting. Also the July issue will have a new cover. If the little red seal appears on your envelope this month and a renewal blank is found inside better renew at once and so make sure you receive the July number.

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Imports into the U. S. A.

Unmanufactured Asbestos:

	March 1924		March 1925	
	Tons	Value	Tons	Value
Canada	16,599	$635,469	17,290	$588,522
United Kingdom	61	21,249	117	21,866
Br. W. Africa	..	...	165	12,462
Br. S. Africa	..	...	128	11,472
Port. E. Africa	..	...	310	57,639
Other Port. Africa	45	17,500	...	...
	16,705	$674,218	18,010	$691,961

The importations during March, 1925, from the United Kingdom and the Africas was all Crude; that from Canada consisted of 2,169 tons of crude valued at $196,336, 5,713 tons Mill Fibre valued at $260,438, and 9,408 tons of lower grades, valued at $131,748.

Manufactured Asbestos Goods:

	March 1924		March 1925	
	Pounds	Value	Pounds	Value
Yarn—				
Germany	...	...	441	$ 472
United Kingdom	156	$ 140	1,161	343
France	...	...	228	61
			1,830	$876
Fabrics, Woven—				
United Kingdom	6,739	3,700	6,381	3,039
Fabric, Packing—				
United Kingdom	...	...	11,311	6,206
Packing, not Fabric—				
Germany	...	...	590	126
Shingles, Slate, Wood or Lumber—				
Belgium	85,948	1,370	364,216	5,370
Denmark	...	...	77,161	1,400
Germany	143,900	8,015	51,525	794
Netherlands	...	...	529,164	9,320
United Kingdom	...	...	96	5
Canada	8,775	809	15,735	1,719
Italy	24,010	664	...	...
	262,633	$10,858	1,037,897	$18,608

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Asbestos Cement—				
Canada	530	27	...	...
Denmark	...	...	400	64
Other Manufactures—				
Belgium	2,350,428	$33,551	...	...
Canada	...	...	4	3
France	26,428	605	...	...
Germany	2,088	315	916	674
United Kingdom	6,369	4,591	5,886	2,760
	2,385,627	$39,062	6,806	$3,437
Grand Total all Manufactured Products	2,655,371	$53,787	1,065,215	$32,356

Exports from U. S. A.

Exports of unmanufactured asbestos for the month of March, 1925, amounted to 12 tons, valued at $1,084, as compared with 10 tons, value $2,607, in March, 1924.

Exports of manufactured asbestos goods:

	March 1924		March 1925	
	Pounds	Value	Pounds	Value
Paper, mlbd. & rlbd.	275,073	$13,260	67,944	$ 4,773
Pipe Covg. & Cement	585,642	29,167	347,743	20,799
Textiles, Yarn & Pkg.	115,593	65,478	136,463	78,445
Brake & Clutch Lining	.....	.....	107,752	76,003
Magnesia & Mfrs. of	332,428	24,895	647,292	45,472
Roofing (Asbestos)	7,938 sqs.	27,491	3,825 sqs.	33,873
Other Manufactures	319,511	70,287	190,005	31,777

Imports and Exports by England.

	March 1924		March 1925	
	Tons	Value	Tons	Value
Imports of Raw Materials:				
From Rhodesia	306	£10,107	886	£23,474
From Canada	668	9,361	913	17,083
From Other Countries	806	17,567	57	370
	1,780	£27,035	1,856	£40,927
Re-exports	609	20,740	723	23,932

Exports of Asbestos Manufactures:

	March 1924		March 1925	
	Tons	Value	Tons	Value
To Netherlands	59	£ 5,221	53	£ 7,104
To France	36	13,267	41	11,144
To U. S. A.	9	1,439	10	2,505
To British India	125	6,626	644	17,595
To Other Countries	913	50,055	1,126	62,663
	1,142	£78,608	1,874	£101,011

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Due to some delay on the part of the Dominion Government, we have not, up to time of going to press, received the figures covering Exports of Raw Asbestos from Canada for March.

Japanese Nightingales--and Asbestos

By B. F. Ruby, *Buffalo, N. Y.*

Probably about as curious a use for asbestos as was ever discovered is that made of it by Charles Smith, a Buffalo, N. Y., animal and bird dealer. He uses it in which to raise meal-worms.

Smith makes a specialty of Japanese nightingales, a bird possessed of a singularly clear, sweet song, which far surpasses the ordinary canary. But Japanese nightingales will not sing well unless they have a good supply of their favorite food, which is meal-worms, the larvae of a little wingless, black beetle, called Tenebrio molitor.

The meal-worm lives in and thrives on meal and flour, but will eat thru almost any dry, dusty substance with relish. And here is where asbestos enters the plot. Smith tried keeping his meal worms in wooden boxes, but they ate thru them, and cardboard was treated in a similarly unceremonious fashion. He tried iron and stone jars, but discovered that for some reason the beetles that produce the worms would not thrive in these. Glass bowls let light in which also killed the worms.

Finally he hit upon the expedient of using wooden boxes lined with asbestos cloth, and covered with the same material. It has worked so well that he now carries a considerable stock of the Japanese singing birds and furnishes a little box, with meal worms in it to each buyer, the box being of the design he has evolved and lined with the asbestos cloth which the worms will not eat, but which nevertheless provides them with a comfortable home.

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CYPRUS ASBESTOS COMPANY

LIMITED

SPECIALIZATION

"Better know everything about a little
Than a little about everything."

Over 90% of the total production of the vast Mine owned by this Company is a Shingle Stock fibre of unvarying grade and uniform quality. We do not produce spinning fibre, nor do we produce paper stock or floats. Consequently we have been able to concentrate on filling the demand for a shingle stock fibre which can confidently be expected to produce a standard article.

CYPRUS STANDARD FIBRE

is a talc-free fibre of great tensile strength. It is also free from dust, and there is no waste.

SALES OFFICE:

49 ST. JAMES'S STREET, LONDON, S. W. 1

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NEWS OF THE INDUSTRY

Birthdays. Our birthday list this month includes Stoughton Bell, President, Multibestos Company, who celebrates his birthday on June 28th; George L. Hammons, President, United States Asbestos Company of Illinois on July 4th; and R. P. Doucet, General Manager, Asbestos Corporation of Canada, on July 7th. Hearty greetings are extended to all these gentlemen.

Hobdell, Way & Company, Limited, London, have recently registered the trade mark "Phitzal," for Asbestos Packing.

John Melhase, Geologist, of the Southern Pacific Company, will visit and investigate the asbestos deposits near Globe, Ariz., in the near future.

The Asbestos Products, Ltd., with offices at 104 Pritchard Street, (P. O. Box 4490,) Johannesburg, has recently been organized with J. S. Hancock as chairman and managing director. Capital is £12,000.

Turner Asbestos & Roofing Company. The fire which destroyed two Philadelphia business blocks, bounded by Walnut Street on the South, Market on the North, 30th on the East and 31st on the West, played havoc with the warehouse and stock of the Turner Asbestos Roofing Company at the S. E. Corner of 31st and Chestnut Streets, altho their office and records remained intact, the furniture being somewhat warped by the heat and water. The fire occurred on Monday evening, June 1st.

Fortunately the company was fully protected by insurance, and members of the firm energetically got to work, rented warehouse and office space at 3009-11 Chestnut Street, the morning after the fire, and within a few hours were doing business as usual. In fact their business received scarcely any interruption.

"Gorny Journal," a Russian publication, in its April, 1925, issue, quotes the article on Australian Asbestos which was published in the January, 1925, issue of "ASBESTOS."

Raybestos Brake Service Association of California is an organization comprising in its membership over a hundred managers of Raybestos Brake Service Stations. The Association was the result of the interest and enthusiasm displayed during a get-together banquet held in December, 1924, at the Alexandria Hotel in Los Angeles. The purpose of the meeting was to bring about closer co-operation between all Raybestos Service Stations in furtherance of the brake service idea. The meetings are productive of many constructive ideas on merchandising brake service. The Association's Code of Ethics, including the Purposes of the Organization and Standard of Service, is too lengthy to be quoted here but will be found in the May issue of The Silver Edge, published by the Raybestos Company.

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Nederlandsche Asbest My.

Importers of Asbestos
Crudes and Fibres

ROTTERDAM - HOLLAND

Tel. Address:
Nedam Rotterdam

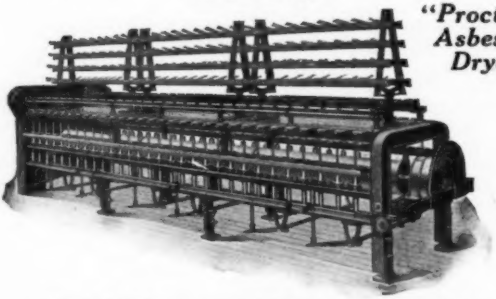
P. O. BOX 803

Codes
A B. C. 5th Edition
Western Union
Lieber's Code

ASBESTOS YARN MACHINERY

"Smith-Furbush"

"Proctor" Asbestos Dryers



PROCTOR & SCHWARTZ, INC.

Formerly Smith & Furbush Machine Co.

Seventh St. & Tabor Rd., Philadelphia, Pa.

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Cape Asbestos Company, Limited. L. Brietmeyer, Chairman, has returned to London from his recent visit in South Africa.

Cyprus Asbestos Company, of which mention was made in the May issue has increased its capital from £300,000 to £600,000. The new mills are approaching completion and should be working by the first of August. The sales outlook is reported as promising, and fibre for August to December delivery is selling at higher prices.

The Crown Asbestos Corporation, with offices at 415 Lexington Avenue, New York City, announces as of June 1st, its organization, with A. J. Bromberg as its President. Mr. Bromberg has been connected with the Asbestos business for many years, serving the Asbestos Textile Company for the past ten years as Secretary.

The Crown Asbestos Corporation will engage in the sale of Asbestos materials.

Turner Brothers Asbestos Company—Ferodo Limited. It is reported thru the London press that Turner Brothers Asbestos Company of Rochdale, have recently amalgamated with Ferodo Limited, the well known manufacturers of Brake Lining. Rumors to the effect that large new factories are to be erected near Manchester, have been denied by officials of Ferodo Limited.

PATENTS

Treatment of Magnesite or Dolomite. No. 1,532,500. Granted on April 7th, to George Stirke Kilbourn, Owen Sound, Ont., Canada. Filed February 6, 1923, Serial No. 617,378. Described as process for the extraction of lime from materials containing Magnesium and Calcium Carbonates, which consists in first calcining the material to be treated, slaking the same, then allowing it to settle in a suitable vessel and subjecting it to the action of a stream of water introduced therebeneath thru a screen of substantially 200 mesh, covered with a layer of porous material, whereby the lime is floated off and the Magnesia remains.

Method of Coating Asbestos Cloth with Rubber. No. 1,534,477. Granted on April 21st, to Edwin C. Wiese, Milwaukee, Wis., assignor by mesne assignments to the Fisk Rubber Company, Chicopee Falls, Mass. Filed November 24, 1920. Serial No. 426,250. Described as the method of coating short staple fabric with rubber, which comprises applying a rubber cement, at least partially setting the cement, and then applying the coating of rubber.

Heat Insulation. No. 1,535,220. Granted on April 28th, to Alfred Hugh Gallagher, Chicago, Ill. Filed Sept. 22, 1924. Serial No. 739,074. Described as a heat insulating structure comprising a combination of a pair of spaced walls and heat insulating material lying between the walls and means mounted on the walls for preventing the shifting of the material, this means including a row of spaced projections entering the material, each of which engages the material at a single point.

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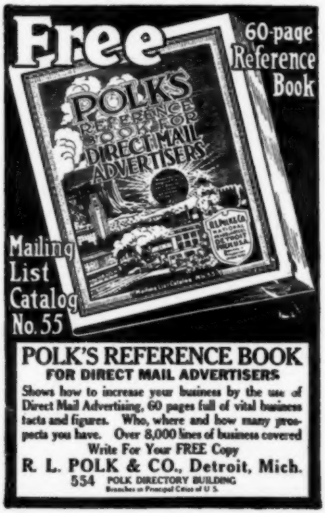
Packing. No. 1,535,456. Granted on April 28th, to Thomas Blake Dupree, and Hampton P. Rhodes, Houston, Texas, said Rhodes assignor to said Dupree. Filed Dec. 5, 1922. Serial No. 604,994. Described as a packing constructed with a core formed of Asbestos surrounded by soft metal, an outside cover for said core formed of resilient material arranged in two lengthwise sections, said core and metal being saturated with a lubricant and an inside Asbestos wearing surface on said core.

Automobile Brake Lining. No. 1,536,071. Granted on May 5th, to Elmer A. Brown, Denver, Colo. Filed Oct. 6, 1921. Serial No. 505,885. Described as the process of manufacturing a wooden lining for brake and transmission bands, comprising: cutting the wood in strips lengthwise of the grain, said strips being equal in width to the brake or transmission band upon which the lining is to be used; softening the strips by steam; bending the strips in an open circle on a mold of slightly larger diameter than the drum upon which the band is to be used; drying the strips in said mold and soaking the strips in a lubricating oil.

It is reported that stretchless hair belting with non-frayable Asbestos edges is now on the English market.

On the first day the new stenographer was working, the general manager of the ..... Company blew into the Branch Office and as things did not quite suit him, he said a few words which seemed to make the air blue around him. One kind soul asked the new stenographer if she minded the language. "Well," she said, "I try not to hear it, but I have learned a few new words today."

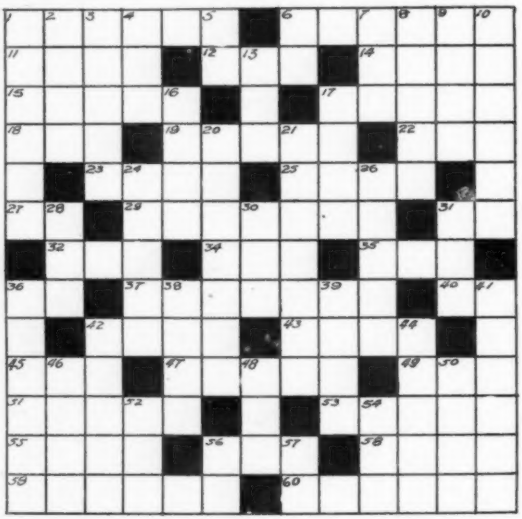
There are times when the difference between heaven and earth is only the thickness of your brake lining.—Silver Edge.



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Asbestos Cross Word Puzzle

Mr. Laurence F. Southwick, representing the Stone Industrial Equipment Company at Meriden, Conn., has prepared a somewhat unique cross-word puzzle for readers. The terms used are mostly those connected with factory, foundry and mill engineering practice, and those of our readers who are experts in the cross-word puzzle game should find an interesting half hour or more for the solving of this one. The answer will be printed in the May number.



VERTICAL

1. The dwelling of royalty.
2. Subdivision of a measure.
3. Vehicle of power transmission (pl.)
4. An honorary degree
5. A nautical exclamation
6. Civil Engineer (abbr.)
7. An earthen vessel
8. Used for baking cores
9. The amount an admission valve is set ahead of dead center
10. A band worn on the arm
13. Radio Corporation of America (ab)
16. Ireland
17. To cease moving
20. First choice (pl.)

HORIZONTAL

1. What the belt goes around
8. Furnace for making cast iron
11. Old fashioned dye material
12. Source of metal
14. Above
15. Name of a commercial oxygen process.
17. What makes the turbine go
18. Corroded
19. To reduce ores by heat.
22. New Departure League (abbr.)
23. Difference between actual and theoretical speed of A. C. motor
25. Sums up
27. Man's name (contracted)

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ASBESTOS

VERTICAL

21. Feeding a coal fire
24. Undesirable in a steam line (pl.)
26. Printed
28. A downtown street, N. Y. C.
30. Radio Relay League (abbr.)
31. Green prefix meaning "against"
36. Heavy switchboard conductor
38. An astringent
39. Christmas
41. A common machine tool
42. Apparatus for flue-gas analysis
44. Smoke (sometimes pleasant)
46. Simple
48. Skill
50. To fasten belt ends together
52. Japanese sash again
54. Australian bird
56. Exist
57. Vertical

HORIZONTAL

29. A measure of the unavailability of heat energy
31. Preposition
32. Period of time
34. To fatigue or annoy
35. Kind of mechanical coupling
36. Preposition
37. A clay used in porcelain manufacture
40. Part of "to be"
42. Order Sociale de Louis Napoleon (abbr.)
43. Nutates
45. His Royal Majesty (French abbr.)
47. Custom
49. Right-angled pipe-fitting
51. A sweeper
53. Allowed
55. An oriental
57. Heat unit (abbr.)
58. A heavy club
59. To "turn in"
60. A foundry ladle handler.

There are Others

If times are hard, and you feel blue,
Think of the others worrying, too;
Just because your trials are many,
Don't think the rest of us haven't any.
Life is made up of smiles and tears,
Joys and sorrows, mixed with fears;
And tho to us it seems one-sided,
Trouble is pretty well divided.
If we could look in every heart,
We'd find that each one has its part
And those who travel Fortune's road
Sometimes carry the biggest load.

BUYERS CLASSIFIED INDEX

Being a listing of those firms whose products are of particular interest to those in the Asbestos Industry.

Rate for listing supplied on application.

We hope to gradually make this listing of great value to our readers.

ASBESTOS MACHINERY, CARDS AND SPINNING

WHITIN MACHINE WORKS, Whitinsville, Mass.

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IMPERIAL ALL ASBESTOS COVERING

Wire Stitched with Water Proof Jacket for outside work



IMPERIAL ALL ASBESTOS COVERING

Wire Stitched—Canvass Jacket—Metal Banded
For High Pressure and Superheated Steam Lines



A combination of the two most effective insulating elements, i. e., felted Asbestos and "dead" Air Space.

Will not loosen nor crumble from vibration.

Can be removed and replaced without injury.

Will not Sag on Pipes. Strong and Flexible.

— Manufacturers —

H. F. WATSON COMPANY

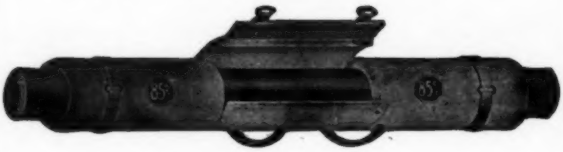
CHICAGO BRANCH
5331-39 S. Western Ave.

Erie, Pa.

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The Robinson Press
Hatboro, Pa.

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