"In my opinion the recognition of the U. M. W. would be prejudical to the welfare of the community here." G. H. D. only live as long as they are thrifty, and, though 1 do from death.

only here as long as they are thrity, and, though I do not pretend to preach thrift from an exalted standhoint, I do beg those who are present and those outside these I do beg those who are present and those outside these walls whom my words may reach to remember that thrift is the surest and the strongest foundation of an empire, to sure, so strong and so necessary that no great empire can ong exist that disregards it. (Cheers,

MINING DISASTERS

When one reads of mine horror after mine horror following in steady succession in the Unitnorror tollowing in steady succession in the United States, he is inclined while praising the work now being done by the U. S. Geological Survey Department to wender that some such work was not done years ago, A New York paper gives a full account of the manner in which the experiments are being carried out. These accounts ed as we quote to the Montreal Witness: We are indebt-

"The ever recurring fatalities in coal mines caused by explosions, the origin of which has been not infrequently remote, emphasises the gravity of the recent report of some United States scientists employed by the unless it is the fact that the coal dust does no Government, who assert that they have proved by ex- when there is a great amount of moisture in it. Kiliers. Every time, they say, a miner touches a match waste in mini to a fuse he takes his life in his hands, and the records modern life." to a tuse ne takes his the ni his names, and the records show that hundreds have been sacrificed by these supposed non-dangerous agents. Coal dust has been found to be nearly as explosive as dynamite, and many heretofore mysterious mine disasters are now laid to this apparently harmless material. These two important discoveries and others of almost equal value to coal miners have been made by a few men, who heroically risked have been made by a few men, who heroically risked are still in need of information as to what is the nature their lives in experimenting. They carried to their exoft the physical or chemical property of a particular coal periments in a mammoth boiler-plate cylinder at Pitts which renders it liable to spontaneous combustion. which is six feet in diameter and a hundred feet long. Already a great deal of information has been gained relating to the deadly fire damp, to gases, and the effects of various kinds of blasting powders. encased, airtigl t rocm, adjoining the boiler plate tube, the geological survey men are making exhaustive experiments in rescue work. The room contains tunnels such as are found in a coal mine, and in these narrow ways are placed various obstructions, similar to those that are found in a mine after it has been wrecked by an that are round in a time area to the second which are supposed to represent asphyxiated miners are placed at intervals along the tunne's, and the minature mine is then filled with deadly gases and a rescue corps is sent in, The rescuers are provided with helmets caris sent in, the rescuers are provided with the tunnels for ling Machinery. intervals of two hours, removing obstructions, picking up the dummies and carrying them out on stretchers, and performing all the duties that ordinarily fall to the lot of a rescue party after a mine disaster.

Besides that, this make believe rescue corps has gainof practical experience, for the other day it was called upon to help real miners in genuine peril. One of the mines near Pittsburg caupht fire and the geological survey men hurried to the scene. One miner was saved New England States.

He was taken out of the tunnel in an unconscious condition by one of the helmeted rescuers, received oxygen treatment and recovered, the large building in which the model coal mine is built is constructed as an auditorium, and several hundred miners and operators are able to watch the rescue drill through the big glass windows which seperate them from the gas filled chambers. All this is most admirable work, but according to the New York 'Tribune', the matter which the scientists themselves consider the most important and far reaching, is the fact that they have been able definitely to show that coal dust is an explosive of equal danger with the deadly fire-damp. This has been a mooted question among mining engineers and miners alike, both insisting that it is impossible to explode coal dust unless there is gas present, the coal dust will explode in a mine where there is no gas has been repeatedly shown to several hundred opergas has oven repeateury shown to several running states at the testing station. The experts at ators and miners at the testing station.

The experts at the station are now bending their energies to discovering the station are now behaving their energies to discovering some method by which this dust can be prevented from being a serious menace to the miners. Experiments in uently remote, emphasises the gravity of the recent reing of a very denote nature has as yet been learned, port of some United States scientists employed by the unless it is the fact that the coal dust does not ignite wetting it have been going on for some time, but noth-Government, who assert that they have proved by ex- when there is a great amount of moisture in it. It is periment that most of the so-called safety explosives expected that these experiments will have the desired reperiment that most of the so-called safety explosives expected that these experiments will have the desired re-used in the coal mines of the country are veritable mensults both of saving life and effecting a saving of the used in the coal mines of the country are veritable mensuits both of saving life and enecting a saving of the killers. Every time, they say, a miner touches a match waste in mining coal. These are the true heroics of

SPONTANEOUS FIRES

There is still much mystery in connection with sponwhich renders it liable to spontaneous combustion. The rapid raise of temperature which takes place where and rapid raise of temperature which takes place where radiation is prevented can be simply shown by covering an electric light with material such as fine coal, when it will be found that in the course of an honr or so the heat is so greet that the glass of the lamp melts and collapses. It was show by Henry Hall, inspector of It was show by Henry Hall, inspector of mines for Liverpool district, that timber will ignite in an atmosphere at a lower temperature than coal or cannel; that partially decayed timber such as old pit props, igthat partially decayed timber such as old pit props, ig-nites most readily of all. It is possible that fires underground would not be so frequent if care were taken to clear out all old or used timber from seams where heat-

Catalog 67 D of the Jeffrey Manufacturing Co. treats fully on all points of Rubber Belt Convey-

The receipts of Nova Scotia coal at Boston for The receipts of Nova Scotia coal at Boston for last year, according to figures in the Coal Trade Journal, were 370,709—presumably short tonsagainst 545,652 for 1907. That is, there was a decrease in N. S. shipments for 1908 of 175,000 tons, and yet they speak of the growing market in the