THE TECH

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SCIENTIFIC AND ENGINEERING NOTES

An ingenious device for eliminating the danger of explosions due to back-firing of gasoline engines has been patented by J. H. Thomas. While the appliance does not pretend to prevent back-fire, it does lessen the possibility of fire reaching the gasoline tank. The carburetter is provided with a two way cock which is normally held down by a fusible plug designed to melt at 140 degrees Fahr. or any other desired temperature. At the occurrence of back-fire the plug melts and a small steel spring causes the cock to shut off the fuel line to the supply tank. A vent is also opened simultaneously which drains out the fuel remaining in the carburetter to any point outside the danger zone.

MINING SMOKER

(Continued from page 1.)

course, if the bonds never reach the stipulated price.

Mr. Rogers also took up the comparative ease with which mining brokers are actually able to "take in" the unsuspecting public. Often these brokers get out and out confidence of their clients. In any event, they usually know a little about mining and less about the particular mine which they are advising. They exaggerate the profits which the mine is likely to pay and underestimate cost of running the mine. No purchaser should think of buying mining stock without having the mine first examined by some competent mining engineer. People sometimes are afraid that what they would seem to be doubling the broker's word by doing this, but this course is the safe one.

A story was told of a company of Englishmen who were on the point of purchasing a large amount of mining stock on the word of a broker. On being warned by a friend that they ought to have the mine examined by an engineer, one of them exclaimed, "Yes, but wouldn't the broker feel offended?"

In mining brokerage, the system of underwriting is often made use of. The broker guarantees that the whole issue of bonds shall be sold. It is given a commission on the whole. This is an efficient way of raising capital in a fairly short time. In calculating the profits of a mine, one very serious fact is occasionally overlooked. The profit is not the extra which the mine is likely to pay and underestimate cost of running the mine. No purchaser should think of buying mining stock without having the mine first examined by some competent mining engineer. People sometimes are afraid that what they would seem to be doubling the broker's word by doing this, but this course is the safe one.

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