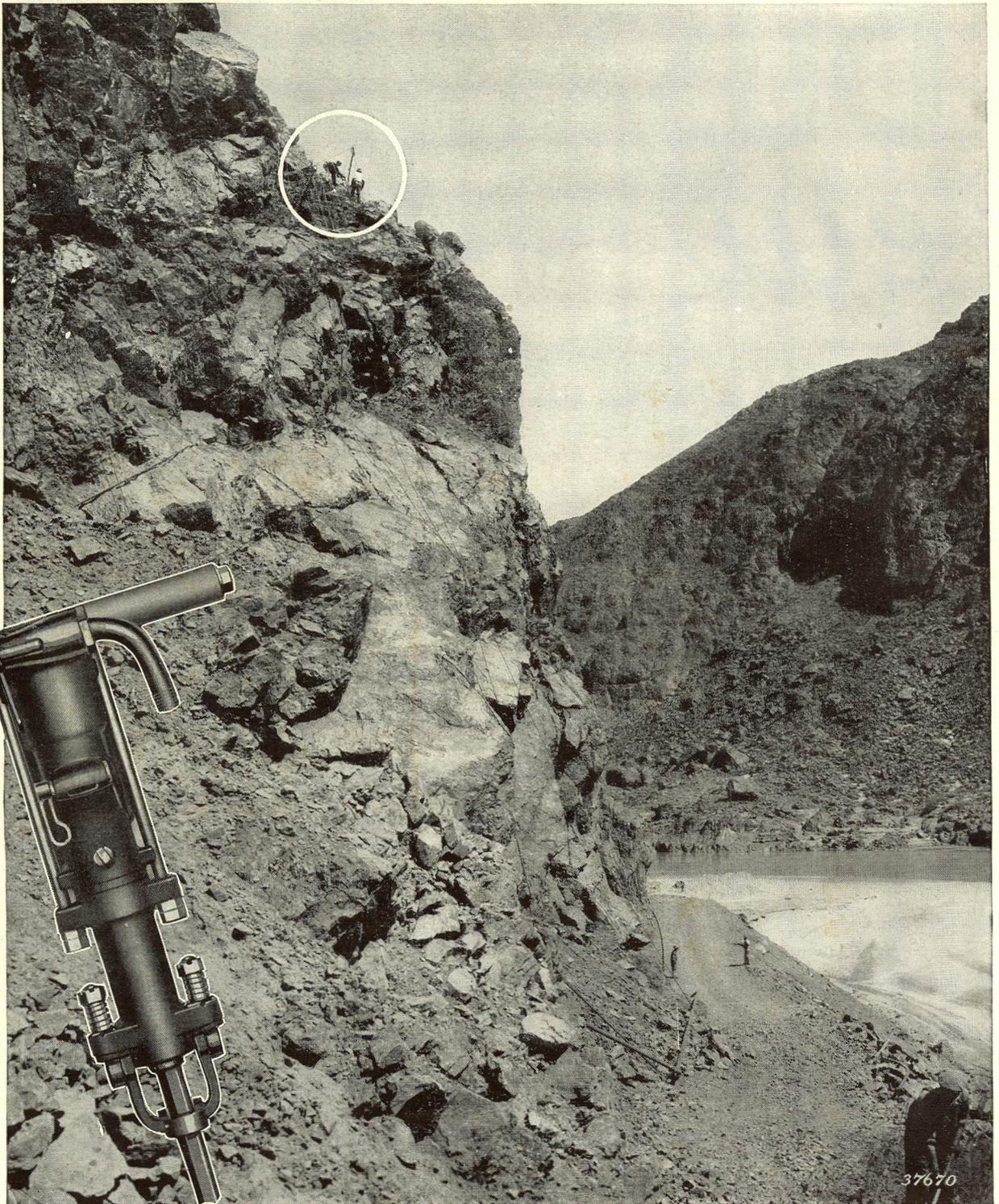


# The Rock Drills that are Speeding



In the white circle above is a "scaler" high on a cliff in Black Canyon. The inset shows a Type S-49 "Jack-hammer" used in this work. On the opposite page is a drilling crew at work in a tunnel heading. They are using N-75 drifters, as shown in the inset.

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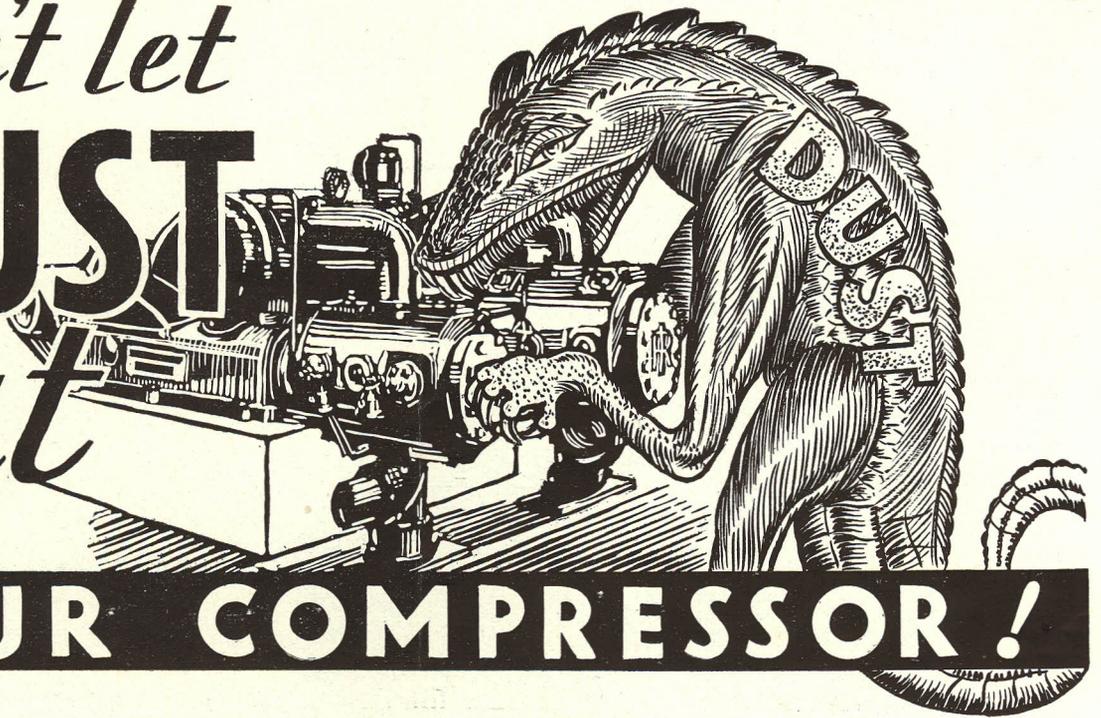
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# Don't let DUST eat



## YOUR COMPRESSOR!

Cylinders, pistons and other moving parts of machines and tools that use compressed air are quickly eaten into by the billions of sharp, abrasive dust particles in unfiltered air.

The Protectomotor Air Filter stops 999 of every 1,000 dust particles from getting into machines. Consequently it reduces wear 75 to 85% and keeps machines running 3 to 5 times longer before overhauling is necessary.

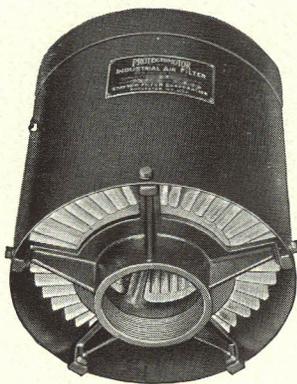
It eliminates three-quarters of the work and expense of cleaning carbon and grinding valves. It cuts oil consumption 25% and saves compressed air. And it muffles suction noises of compressors and exhaust noises of vacuum pumps.

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The Protectomotor passes air through a dry filter medium of negligible resistance and its efficiency is not reduced by collected dust. It operates from six months to a year without cleaning and can be cleaned quickly with compressed air without removing the filtering unit.

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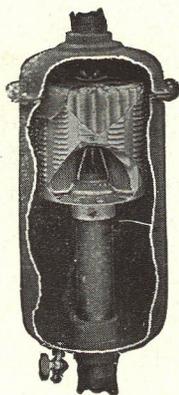
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Intake Filter

### Protectomotor Pipe Line Filter

Delivers clean dry air, free from dust, water, oil, rust and scale, for paint spraying, compressed air tools, hoists, cleaning operations, agitating liquids, etc.



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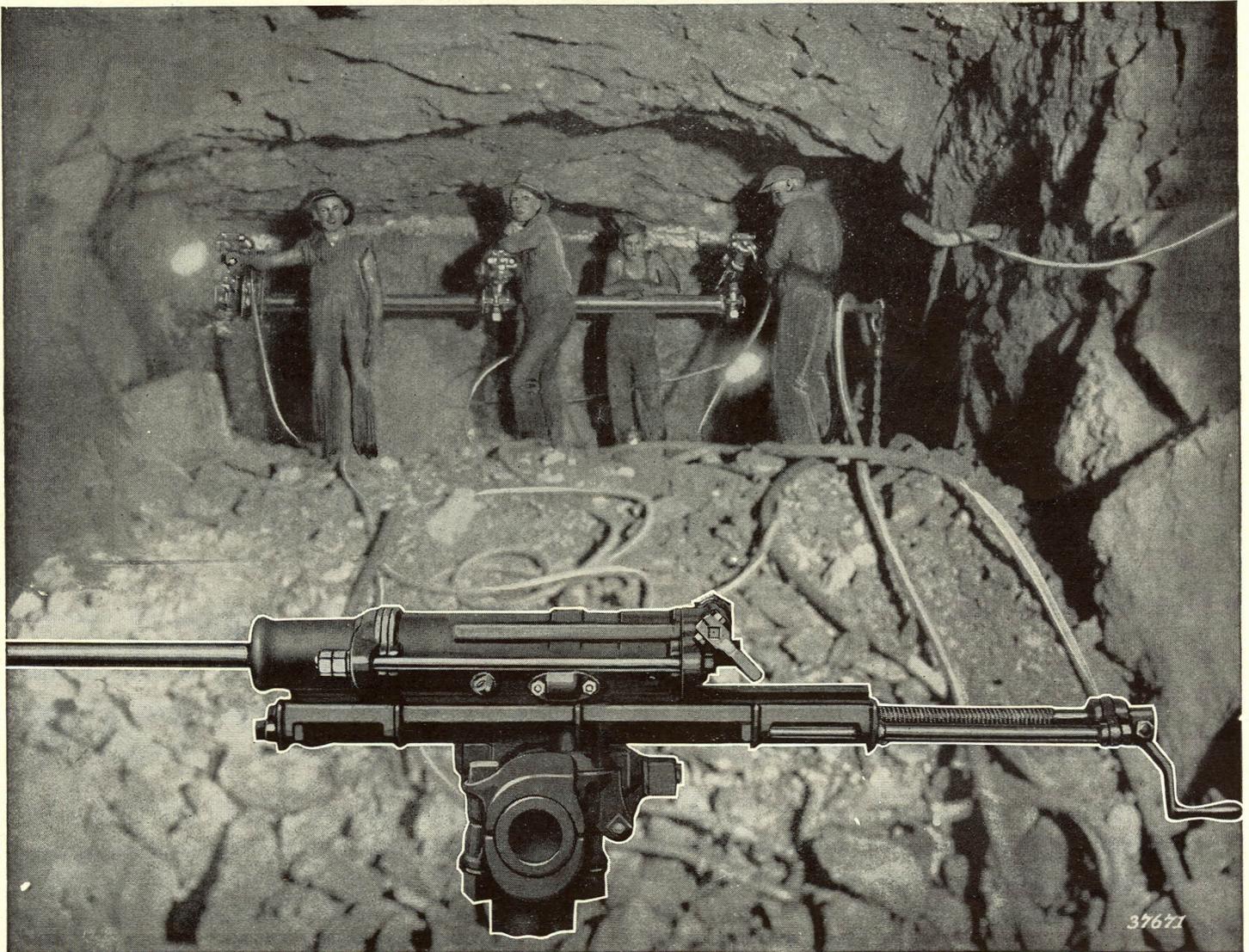
# Operations on the Hoover Dam Work

Preparations for the actual building of Hoover Dam consist largely of rock drilling operations. Hundreds of thousands of cubic yards of rock must be moved in building highways and railroads, in scaling canyon walls of loose material, and in driving the four 56-foot diversion tunnels which will carry the river past the dam site during the period of construction.

With a view to speeding up all these manifold

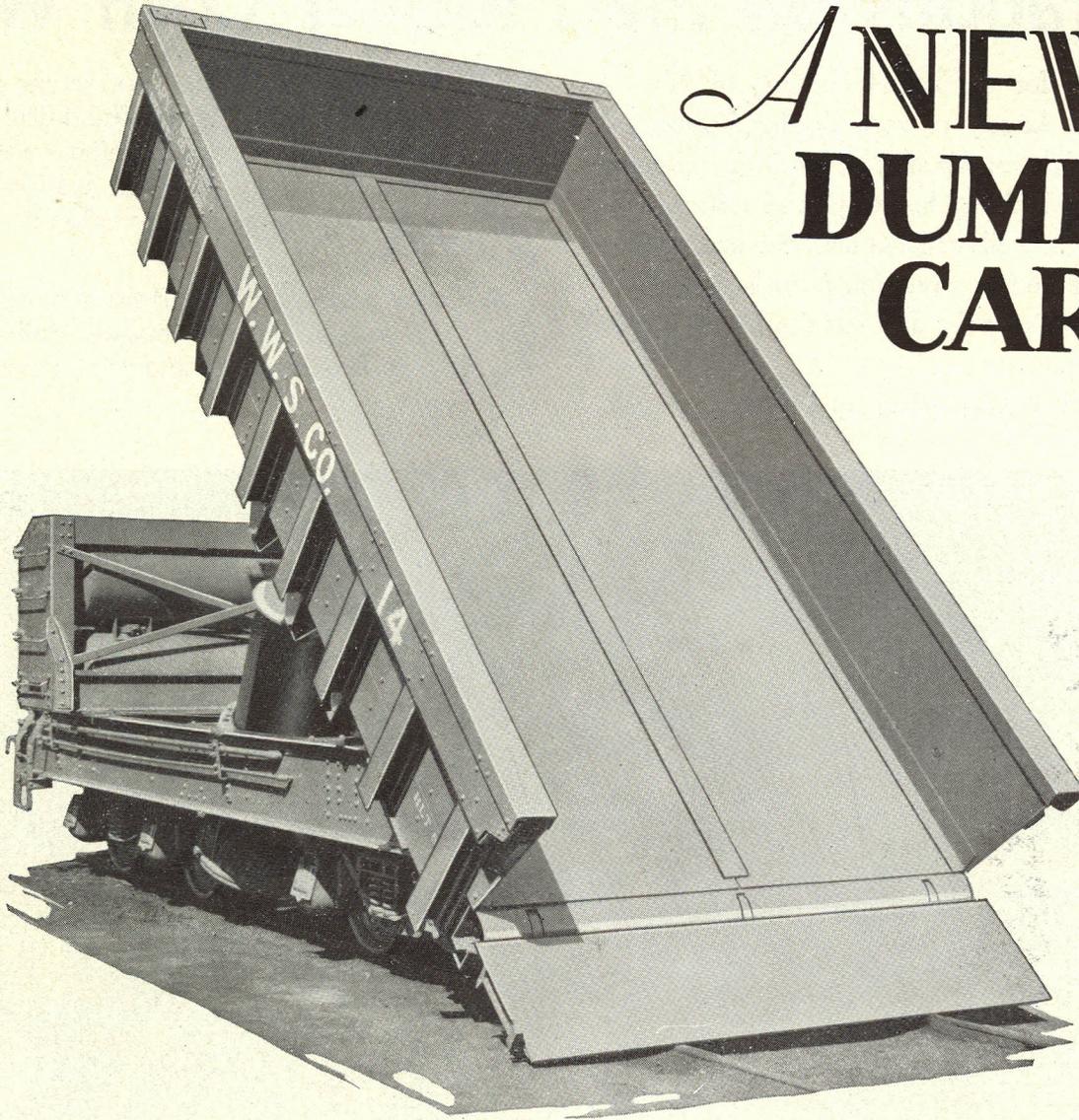
tasks, Six Companies, Inc., contractors on this \$49,000,000 job, chose Ingersoll-Rand drills as the most dependable and efficient machines on the market. The Hoover Dam is the latest in a long list of major construction projects the world over to employ I-R drills.

Why not use in your work these same drills that have been selected for the biggest drilling jobs everywhere? There is a type and size for every rock condition.



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"Western" has scored another sensational triumph--a large capacity, air operated end dump car. It is a radical departure from all previous dump car standards and is built extra strong for hard mining and quarry work. Its

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