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THE

ARNOLD CARBIDE ANDLE

Has solved the underground illumination problem

and is rapidly gaining in favor, owing to its substantial construction, convenient form, and to the ease with which it may be recharged.

Fully described in Circular No. 9.

tridge containing two ounces of calcium carbide supplies a four candle power light for four hours, and when exhausted holds the residue and may be instantly withdrawn and replaced by another (carried in a tube in the pocket), no cleaning being required.

Simple—Clean—Convenient—Durable

Will outlast two or three inferior lamps.

Price \$2.50. If your dealer does not carry them, a sample lamp will be sent postpaid upon receipt of price.

THE PRECISION FACTORY

DENVER, COLO.

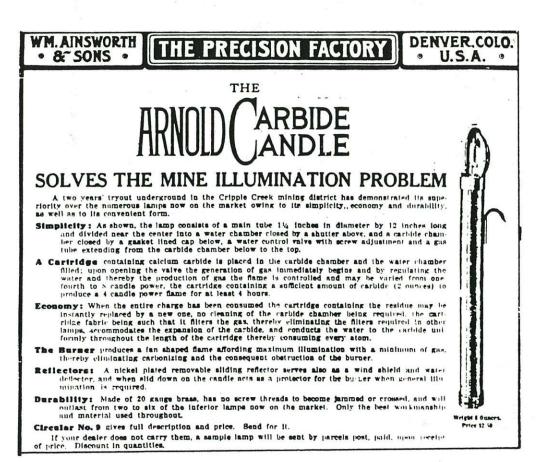
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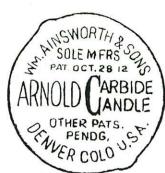
The Arnold Carbide Candle by Len Gaska

The Arnold Carbide Candle is one of the most unusual carbide lamps ever made. It is certainly not a cap lamp and doesn't really fit into the category of a hand lamp or "hanging lamp" as I categorize conventional 6-8 hour lamps with hook and bale. It's rather large hook was designed, no doubt, for hanging on mine walls or timbers.

A unique feature of the Arnold Carbide Candle is the cloth bag to hold the carbide. Each Arnold was supplied with several bags and a tin to hold extra charges. This feature was supposed to result in simplicity of cleaning and recharging of the lamp. However, because the bags were subject to tearing and deterioration, this method of charging the lamp was probably not practical. Miners have always been drawn to simple, reliable, and durable designs in mine lighting and the Arnold Carbide Candle did not fit the bill.

The Arnold Carbide Candle was patented on October 29, 1912 by Ralph R. Arnold of Cripple Creek, Colorado. Advertisement for the Arnold refer to extensive use and testing in the Cripple Creek Mining District. Although the Arnold was most likely superior to candles, it could not compete with the simpler designs of Justrite and other lamp manufacturers. Because of its relatively short life, the Arnold Carbide Candle is rare and highly prized by collectors.





Bottom



Bag