# h Brighteathigm Mining Journal

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U SED throughout the great new works of the most famous firm of Electrical Engineers of the day. Used also throughout the new works of Messrs. Vickers Limited. Used for the great cranes building the giants of the White Star Line. Used for the turntables, locomotive big ends, on rolling stock of some of the most famous railways of the world. Adopted by Krupp (Essen).



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A letter received June 6th states, "At Carnon Valley where they have two Johnson Tube Mills identical in every particular except for the bearings, they find that it takes four men on the pulley to move the tube mill with ordinary bearings but that one man with his hands on the shatting is able to move the mill with Cooper Bearings."

This would be well nigh incredible, were it not paralleled by a similar experience at the Consolidated Langlaagte at Johanne-burg, where they found that one man could swing one of their Standard Tube Mills fully laden with pebbles and pulp charge when fitted with Cooper Roller Bearings.

### The Cyanide Plant Supply Co.

London, E. C.

Original from
THE OHIO STATE UNIVERSITY



# How to Judge a **Carbide** MineLamp



Buying a carbide lamp is something like hiring men. You are not so much interested in their appearance as you are in what they have done and what they can do. All things being equal, you'll pick the better looking fellow, for appearances cannot help but impress, still the big thing is, "What have they done and what can they do?

It is very much like this in selecting a mine lamp. What the lamp will do is what interests you, and what it has done is your guide to what you may reasonably expect of it.

#### Five things determine the value of a carbide mine lamp.

1st. What does it cost? 2nd. How long will it last? 3rd. Will it reduce an expense? 4th. Will your men be able to use it? 5th. Who is using it and why?

WHAT DOES IT COST?-While price is quite an item, you should be guided by what you are going to get for your oney, how much value you will receive-the cost of the Baldwin is no greater than that of any other Carbide Mine Lamp, but the value received is considerably greater.

HOW LONG WILL IT LAST? - That's a hard one to answer. We might say six months, we might also say two years, and we could furnish proofs of either statement. It's years, and we could turnish proofs of either statement. It's entirely up to the user, the amount of care he exercises. You can better judge of the Baldwin's durability from this —if the lamp's durable, a superintendent will order again— naturally. Well, 74% of Baldwin Lamps sold in 1913 were purchased on repeat orders.

WILL IT REDUCE AN EXPENSE?-Yes-if you are using oil or candles, the Baldwin will cut your lighting ex-pense all of 50%. In the case of oil or candles, the Baldwin will save 50% because it's just that much cheaper, you cut your lighting bill one-half, and your men have a better and more healthful light to work with. The Baldwin will use less carbide than other lamps, because the original patented water feed makes the Baldwin proof against the miner's carelessness. This water feed will unerringly do what the miner will forget to do, and that is, prevent overfeeding water to the carbide. Too much water spells waste. There can never be too much water with the Baldwin, the automatic feed prevents this.

WILL YOUR MEN BE ABLE TO USE IT?—Yes—not only men, but thousands of boys use them 'there's really nothing complicated about it, simply put in the carbide fill the water chamber-screw together and light. About mu the water chamber—screw tota design and the table to once or twice during a shift it is necessary the totate the raking wire. The miner can do this without even ping to look at the lamp. No bothering with adjusting screws and valves, as one must do with a hand-regulated lamp. Simply fill and light, that's all.

WHO IS USING THE BALDWIN AND WHY?—Let us answer that by our sales. We are selling to most of the larger mining concerns in this country. Before purchasing, many of these companies carried on extensive experiments, first to determine whether it would pay them to use car-bide, next to decide which lamp they would use. Now if these companies had only placed a single order with us, it would very plainly indicate their opinion of the Baldwin, since however, they ordered again and continued to order, it must prove very conclusively that they found the

Baldwin more satisfactory than others.

### FINALLY—The Acid Test—The Lamp Itself

de de la companya de We will send a Baldwin free of charge to any mine owner or superintendent not using our lamps, and who is interested in a good light. Fill out the attached coupon and tell us what you now use for lighting, so we can send the right lamp.

There's no time like the present-why not write today?

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