

**In Reducing Costs the Little Things Count**

We can save you at least  
\$12 a gross with

**The Bullard Special Spiral Feed  
Justrite Cap Lamps**

By making a very large purchase at one time we  
are enabled to make a very attractive price  
on a Special Spiral Feed Lamp

**While They Last**

No. 500 Brass Spiral Feed.  
Lamp Only \$8.75 Doz.

No. 500 Same as above with Curved  
Pocket Carbide Container... \$9.50 Doz.

No. 500A Same as above with Bullard Can-  
dlestick and Curved Pocket Carbide Con-  
tainer Half Shift Lamp.... \$14.00 Doz.



These are JUSTRITE LAMPS with the well known JUSTRITE  
SPIRAL FEED. Send us a trial order and if they do not  
prove as satisfactory as the ones you are now using,  
we will take them back at full value.

Everything In Acetylene

Everything in Safety

Phone Douglas 1118

San Francisco  
268 Market Street

**E. D. Bullard**

Los Angeles  
130 South Broadway

E. D. Bullard catalog, 1921

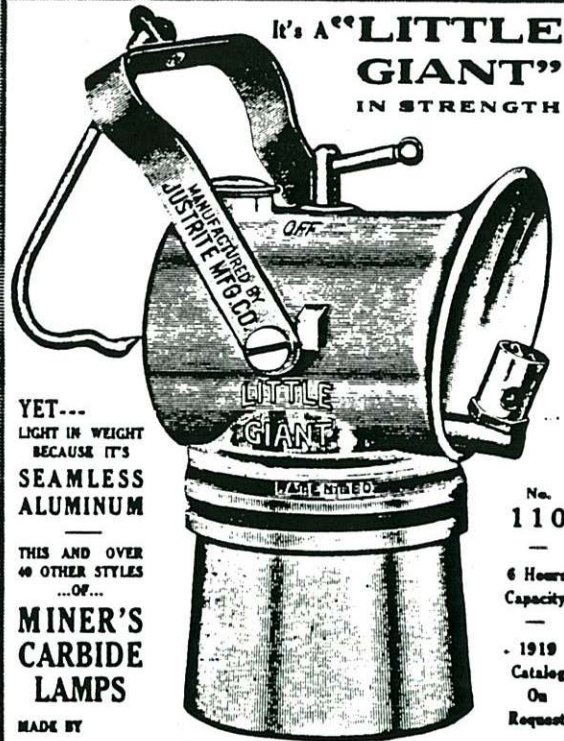
The Justrite spiral feed is a unique design in carbide water feeds. It was used on horizontal style cap lamps, and the Uncle Sam, Little Giant, and Copper Queen hand lamps. The long path that the water had to follow supposedly helped assure an even flow. The design did not survive long, however, probably because of clogging problems.

A few examples of the spiral feed cap lamp without water click stops have been found, many of them in California. Speculation: the ad to the left from E. D. Bullard (date unknown), a mining supply house, mentions a "Special Spiral Feed Lamp." Could this have been the model without the water click stops? Another feature of the spiral feed with variations is the water feed lever. It is been found both with and without a small spring that rests in the click stop notches. Without the spring, the click stops were not functional and the water lever can swing freely. We might then surmise that early models without the spring were also made without the click stops. We would, of course, love to hear from other collectors that have acquired this somewhat rare variety of the spiral feed.

Speaking of spiral feeds, the Justrite Little Giant is a somewhat elusive hand lamp dating to about 1920. Its almost twin brother, the Copper Queen is highly desired by lamp collectors, Arizona artifact collectors, and mineral collectors. The Copper Queen differs from the Little Giant only in the stamping on the side of the lamp. Otherwise, they are identical.

The Copper Queen lamp was a special order item from the Justrite Manufacturing Company for the Copper Queen mine in Bisbee, Arizona. The Copper Queen is the only known American miner's lamp that has the same name as a mine. That gives it a special place in mining history.

It's A "LITTLE  
GIANT"  
IN STRENGTH



YET---  
LIGHT IN WEIGHT  
BECAUSE IT'S  
SEAMLESS  
ALUMINUM

THIS AND OVER  
40 OTHER STYLES  
...OF...

**MINER'S  
CARBIDE  
LAMPS**

MADE BY  
**JUSTRITE MANUFACTURING CO.**  
2078 SOUTHPORT  
CHICAGO, U. S. A.

No. 110

6 Hours Capacity

1919 Catalog On Request

Mining & Scientific Press, 03/06/20