

LICHTENSTADT & PENTLARGE.

Bung.

No. 102,285.

Patented April 26, 1870.

Fig. 1.

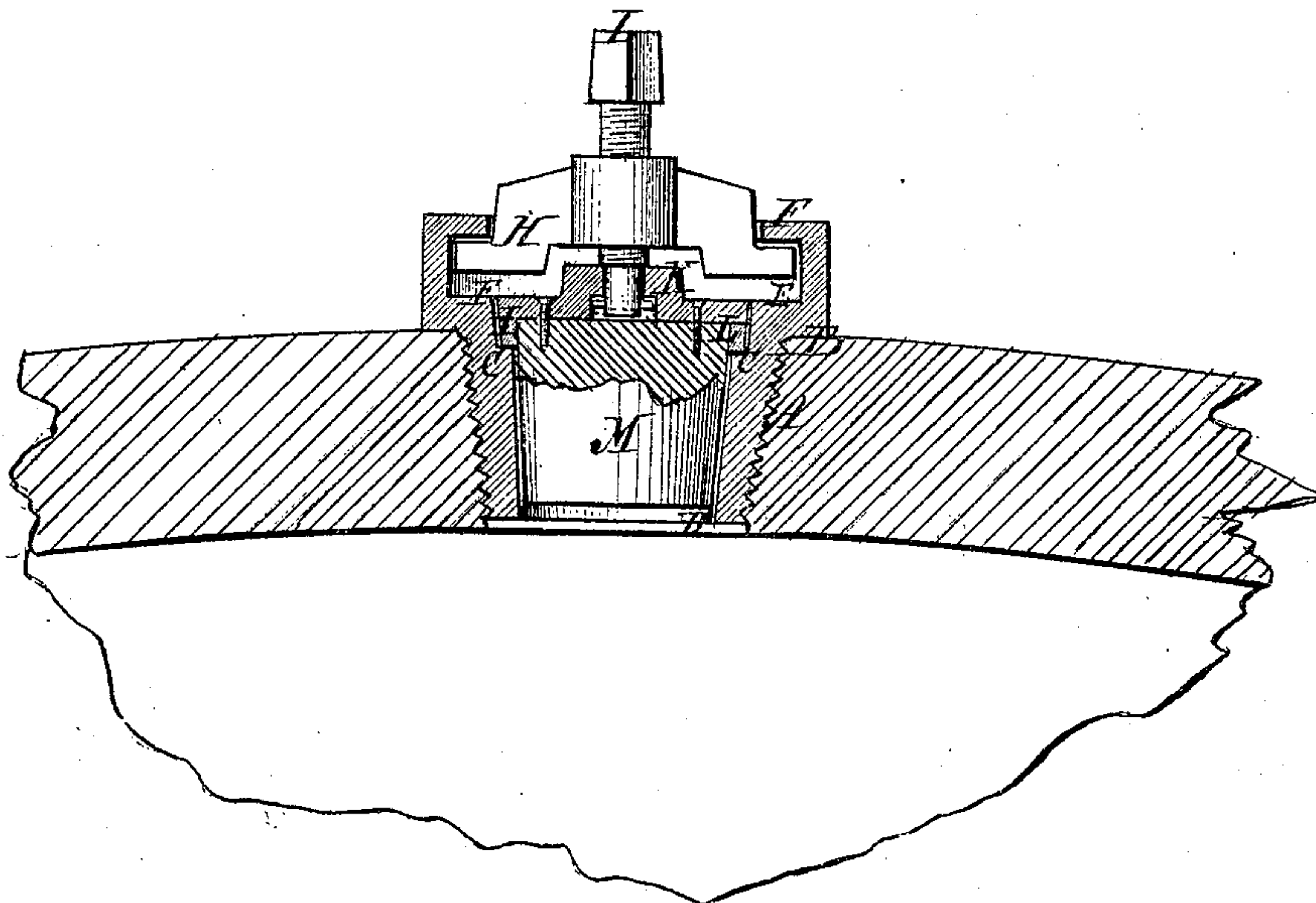
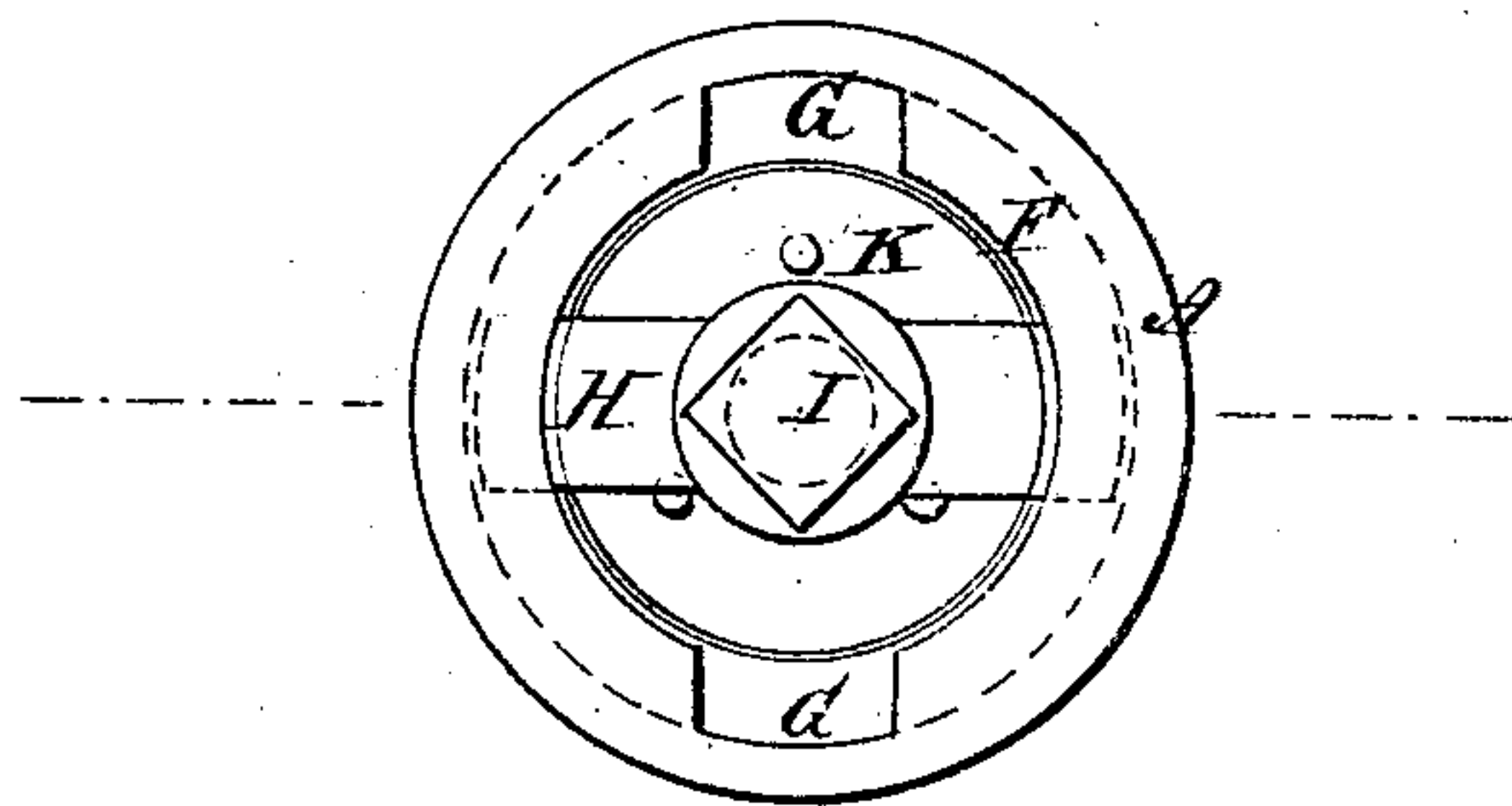


Fig. 2.



Witnesses:

S. S. Mabce
Alex. F. Roberts

Inventor:

N. Lichtenstadt
R. Pentlarge
PER *Wm. W. W.*
Attorneys.

United States Patent Office.

DAVID LICHTENSTADT, OF BROOKLYN, AND RAFAEL PENTLARGE, OF
NEW YORK, N. Y.

Letters Patent No. 102,285, dated April 26, 1870.

IMPROVEMENT IN BUNGS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that we, DAVID LICHTENSTADT, of Brooklyn, in the county of Kings and State of New York, and RAFAEL PENTLARGE, of the city, county, and State of New York, have invented a new and useful Improvement in Bungs; and we do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings forming part of this specification.

This invention relates to improvements in bungs for barrels, casks, and the like, and consists in a deep bush-screw, threaded; and with a collar on the exterior for screwing down into and upon the side of the casks, and having a smooth, conical interior surface extending from the bottom upward a suitable distance, with an annular recess at the top, above which an annular internal groove is formed by a flange at the top of the bush, into which, through radial notches, a bridge-tree, which carries a tightening-screw with a plug at the lower end, is inserted, and screwed by turning the ends away from the notches under the flange, so as to screw the plug down upon the shoulder, above the conical hole of the bush, all as hereinafter more fully specified.

Figure 1 is a sectional elevation of our improved bung, and

Figure 2 is a plan view of the same.

A is the metal bush, which screws into the hole in the stave, so as to bring the collar B down snugly on the upper surface of the stave.

This bush has an annular recess, C, at the top of the

conical hole D, and above this is a large annular groove, E, formed by the lateral enlargement of the bush, and the flange F at the top.

This flange has two radial notches, G, at the top, for the admission of the bridge-tree H, which carries a vertical tightening-screw, I, with a plug, K, swiveled to the bottom and fitted to screw down upon the shoulder of the recess C.

This plug is provided with a packing-ring, L, of any suitable flexible substance, and may have an extension, M, of cork or other substance, if preferred.

The ends of the bridge-tree are fitted to turn freely in the groove E, so that it may be readily put in and taken out, and the plug is so arranged as not to bind in the hole of the bush if the pressure of the screw I is taken off, whereby the application and removal of the plug is made very simple and easy.

This bung may be used also as a vent-plug, by raising the screw I sufficiently to admit the air.

Having thus described our invention,

We claim as new and desire to secure by Letters Patent—

The screw I, bridge H, plate K, and flexible packing-ring L, when said parts are relatively constructed and arranged with respect to the bush A, as and for the purpose set forth.

The above specification of our invention signed by us this 29th day of January, 1870.

DAVID LICHTENSTADT.
RAFAEL PENTLARGE.

Witnesses:

GEO. W. MABEE,
ALEX. F. ROBERTS.