

J. G. BROTHWELL.
COLLARS FOR LAMPS.

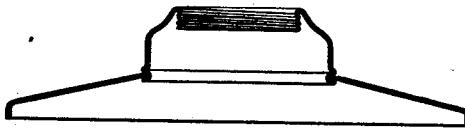
No. 186,106.

Patented Jan. 9, 1877.

Fig. 1.



Fig. 2.



Witnesses

*Chas. H. Smith
Harold Ferrill*

Inventor.

*John G. Brothwell.
per Lemuel W. Ferrill,
att'y.*

UNITED STATES PATENT OFFICE.

JOHN G. BROTHWELL, OF WOLCOTTVILLE, CONNECTICUT, ASSIGNOR TO
TURNER & SEYMOUR MANUFACTURING COMPANY, OF SAME PLACE.

IMPROVEMENT IN COLLARS FOR LAMPS.

Specification forming part of Letters Patent No. **186,106**, dated January 9, 1877; application filed
November 20, 1876.

To all whom it may concern:

Be it known that I, JOHN G. BROTHWELL, of Wolcottville, in the county of Litchfield and State of Connecticut, have invented an Improvement in Collars for Lamps, of which the following is a specification:

Lamp-collars have usually been made of brass, with the screw for the lamp-burner or cap at the upper end, and these collars have been used for attaching the burner to the fountain, or for the cap of the filling-orifice.

The price of brass has led to the manufacture of these collars from very thin sheet metal, and the strength of the same is thereby impaired.

The object of the present invention is to furnish a strong lamp-collar resembling brass in its appearance, and of a much less expensive character; and this invention consists in a lamp-collar made of sheet-zinc coated with brass, the same forming a new article of manufacture. It is preferable to lacquer the surface in the usual manner.

The lamp-collar is cut out of sheet metal, stamped up and formed with a screw-thread; the same is made in the form shown sectionally in Figure 1, for the ordinary glass lamp, and in some instances an annular flange or slightly conical plate is used at the bottom of the collar, as seen sectionally in Fig. 2. These are all made of sheet-zinc, sufficiently thick to furnish the necessary strength, and the collars are immersed in a bath and plated with brass from a solution in the way now known for electroplating in brass.

The lamp-collar formed in this manner is a new and useful article of manufacture.

I claim as my invention—

The zinc lamp collar coated with brass, as a new article of manufacture.

Signed by me this 16th day of November,
A. D. 1876.

JOHN G. BROTHWELL.

Witnesses:

ISAAC W. BROOKS,
CHAS. L. McNEIL.