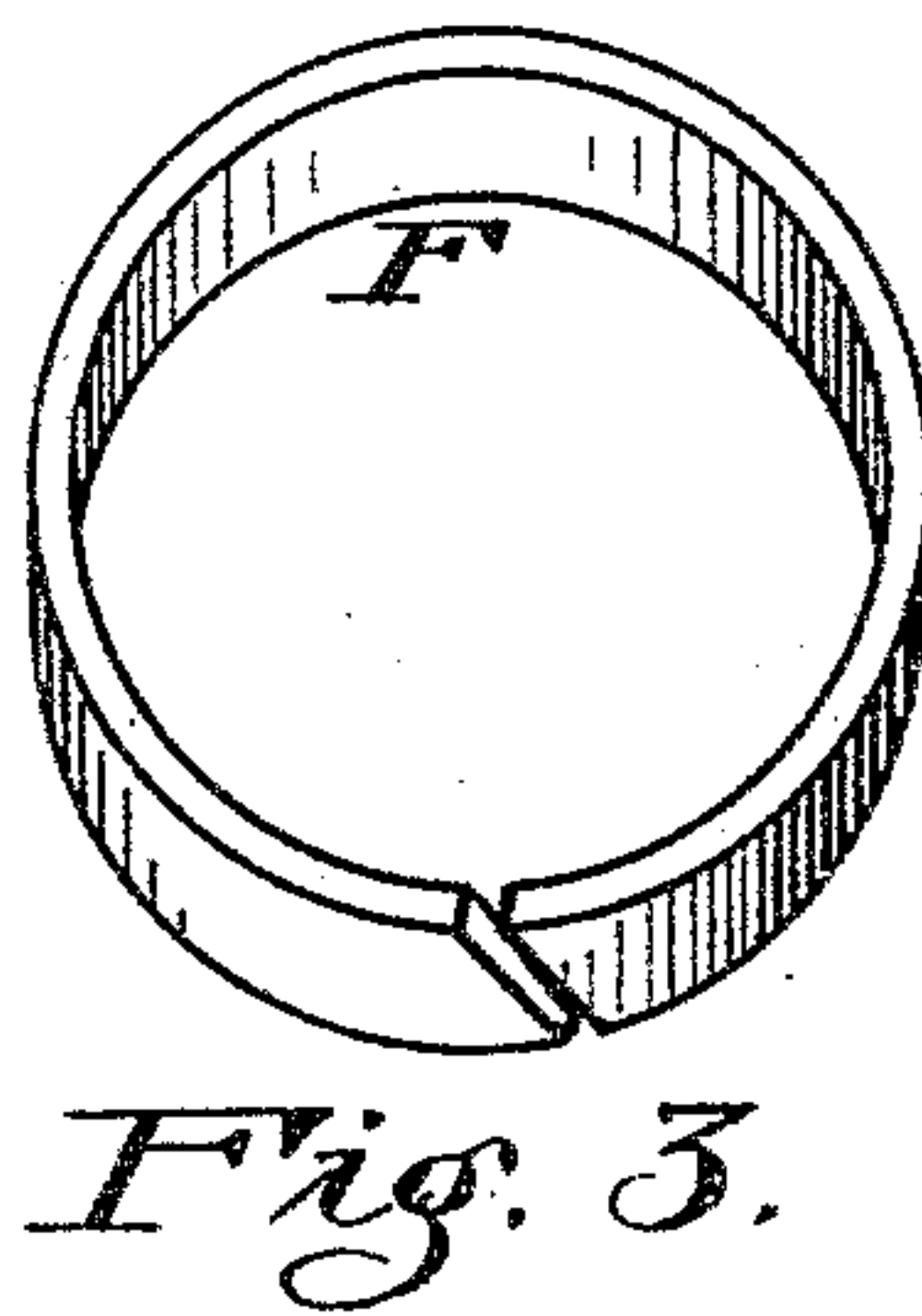
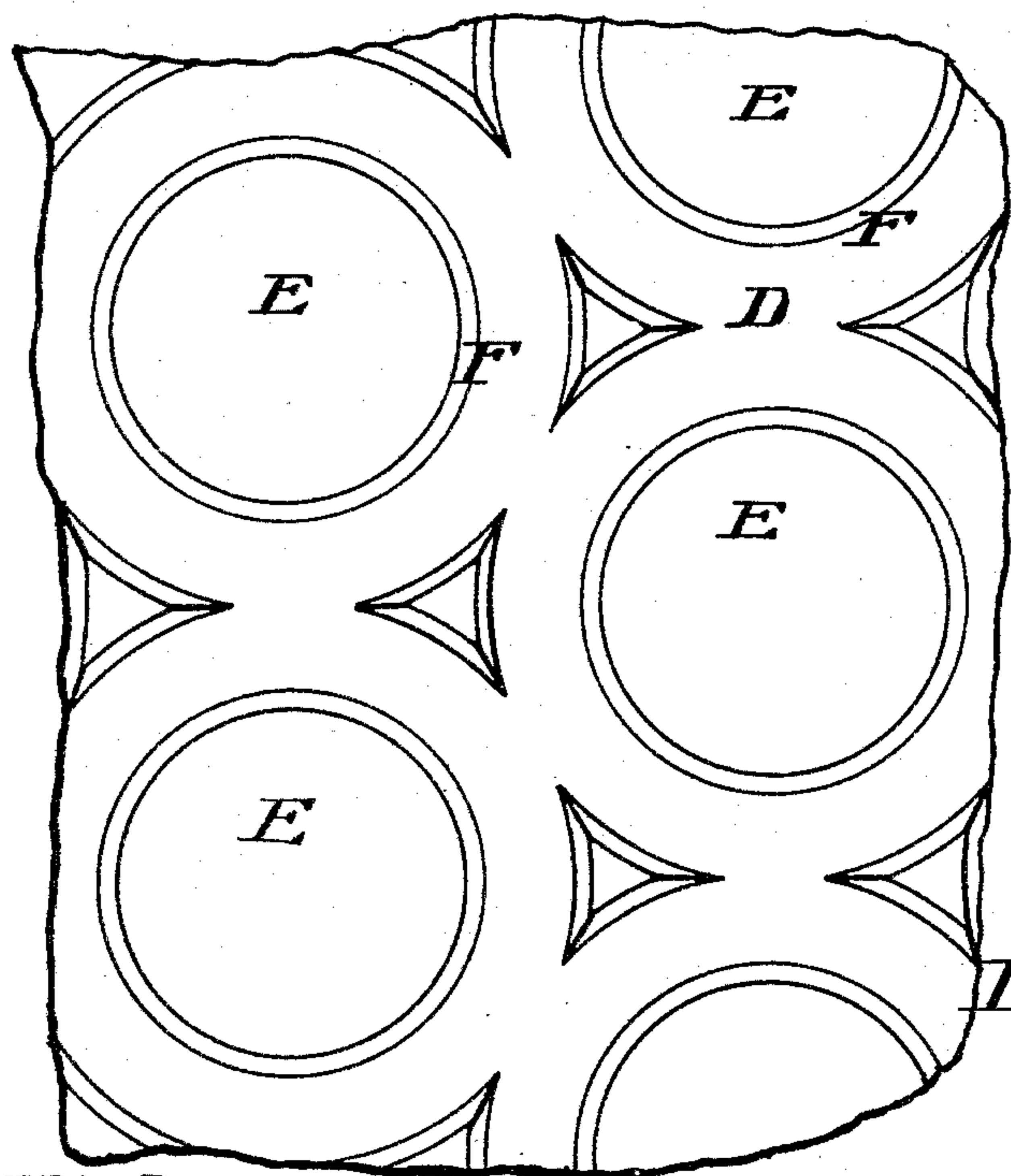
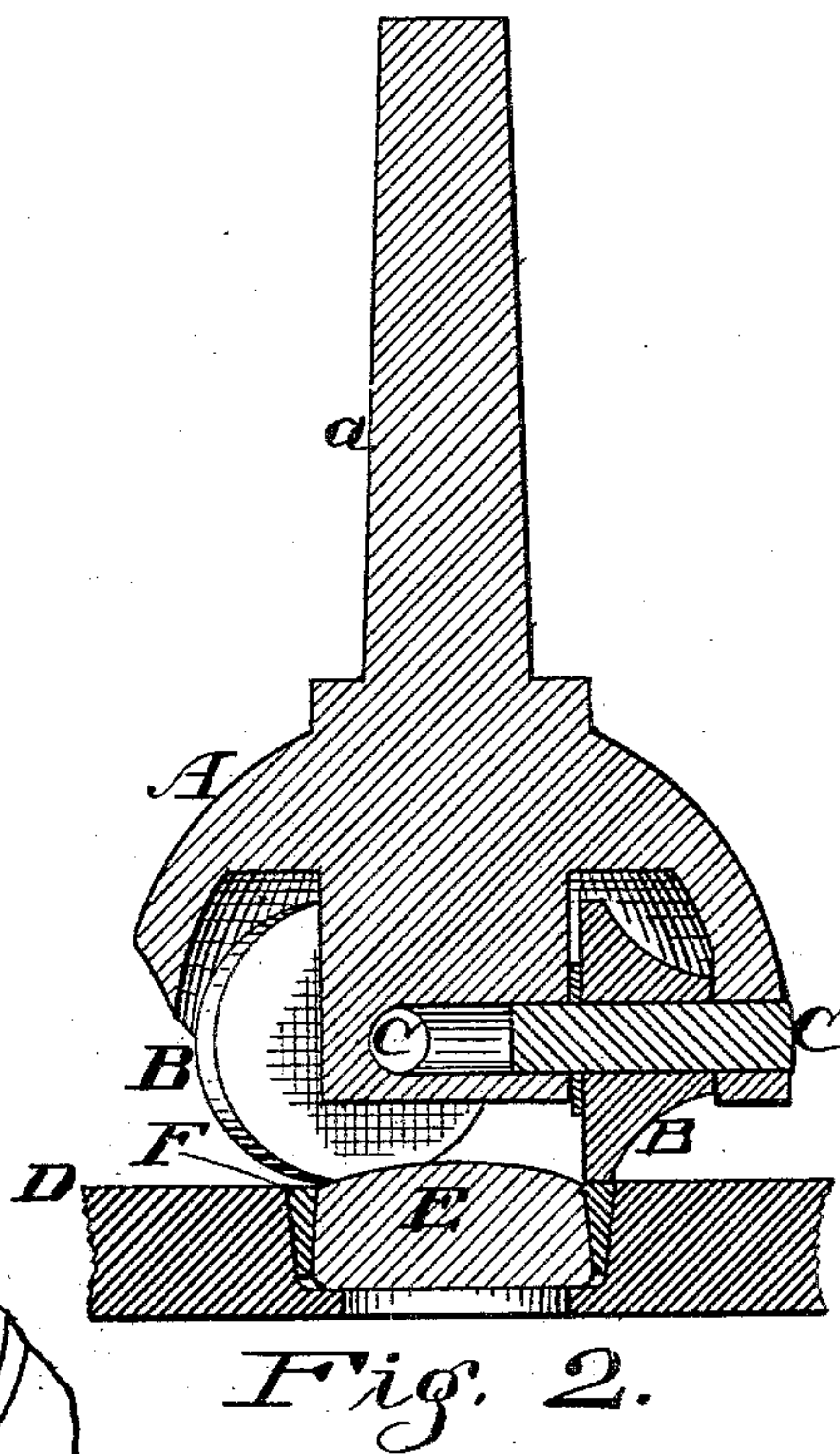
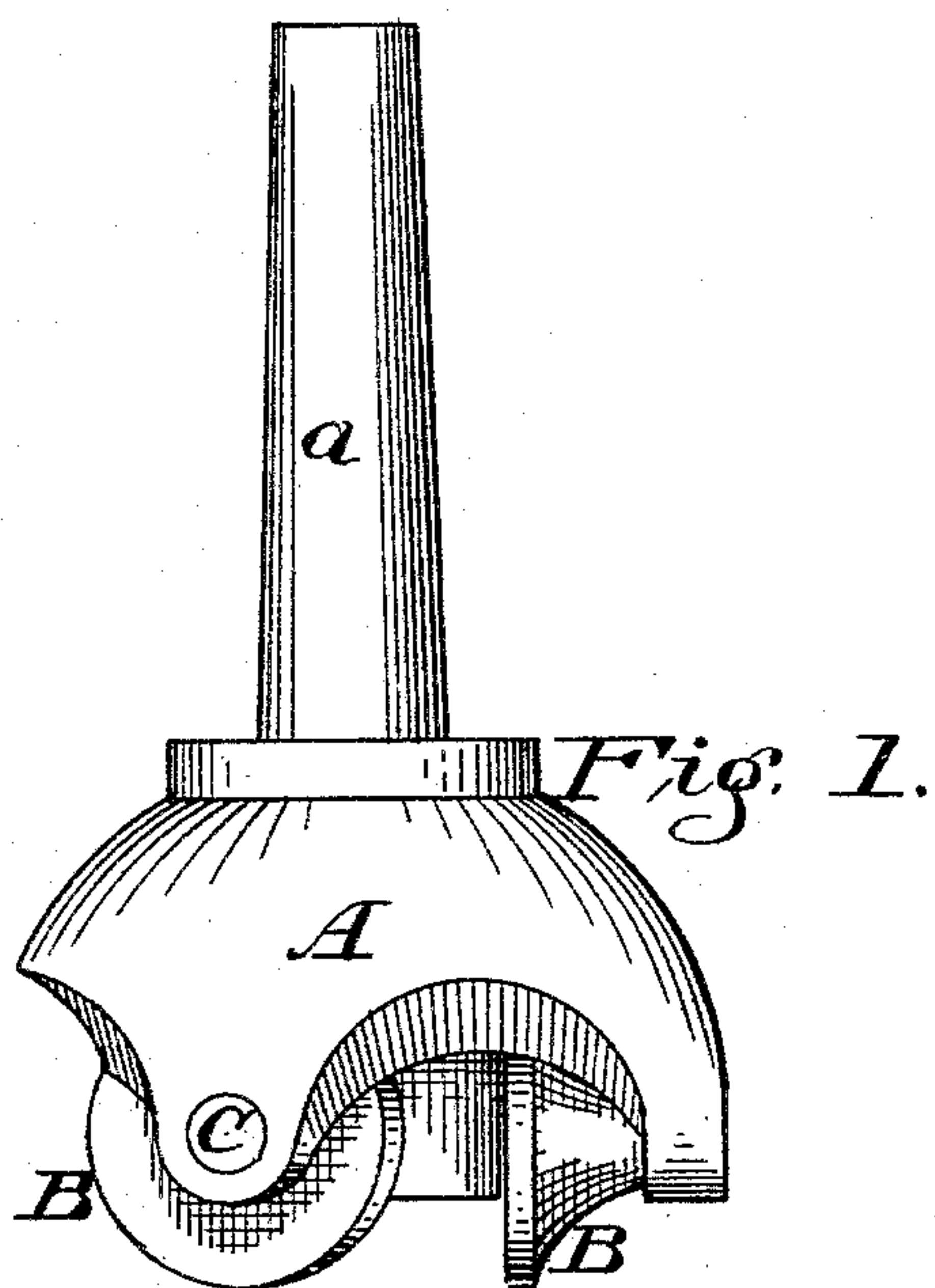


(No Model.)

H. A. CROSSLEY.  
TOOL FOR CONSTRUCTING VAULT LIGHTS.

No. 401,331.

Patented Apr. 16, 1889.



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# UNITED STATES PATENT OFFICE.

HARRY A. CROSSLEY, OF CLEVELAND, OHIO.

## TOOL FOR CONSTRUCTING VAULT-LIGHTS.

SPECIFICATION forming part of Letters Patent No. 401,331, dated April 16, 1889.

Application filed April 17, 1888. Serial No. 270,987. (No model.)

*To all whom it may concern:*

Be it known that I, HARRY A. CROSSLEY, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Tools for Constructing Vault-Lights, of which the following is a specification.

This invention relates to a device for pressing down the lead packing in vault-lights; and it consists of a rotating head provided with compressing-rollers constructed and arranged to operate as hereinafter described, and pointed out in the claim.

Figure 1 is a side elevation of the tool. Fig. 2 is a vertical section of the same, showing it as in operation for pressing down the band. Fig. 3 is a view of the lead band ready for use; and Fig. 4 is a plan view of a portion of a vault-light, showing the bulbs and bands as secured in place.

A represents a chambered head having a spindle, *a*, by which it may be attached to the rotary shaft of a drill-press or other similar power-machine. In the head are placed rollers B B, arranged to revolve on journal-pins C. The peripheries of said rollers are made to travel in a circle as the head is rotated. The outer form of said head is half-spherical, and portions of the sides are cut out in crescent-formed openings. This is to enable the

operator to see and readily adjust the tool to the work.

D represents the iron frame of a vault-light plate, and E the glass bulbs occupying the holes in said plate or frame.

F represents a lead band used in securing and packing the bulb in place. These bands I make of lead strips or ribbon by cutting them into proper lengths and bending them into rings, as shown in Fig. 3. Then they are ready to be applied. The manner of securing them is as follows: A plate or frame is filled with the bulbs and rings. It is then passed beneath the rotating tool, and the lead bands are pressed down and forced into the space surrounding the bulbs by the rollers treading on the edge of the lead and crowding it down tightly into and closely filling the space.

Having described my invention, I claim—

A tool specially adapted for pressing packing-rings in vault-lights, consisting of a chambered hemispherical head, A, having a spindle, *a*, and side openings, and provided with compressing-rollers B, substantially as shown and described.

HARRY A. CROSSLEY.

Witnesses:

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