

W. Riley.

Shackle,

No 85,402,

Patented Dec. 29, 1868.

Fig. 4.

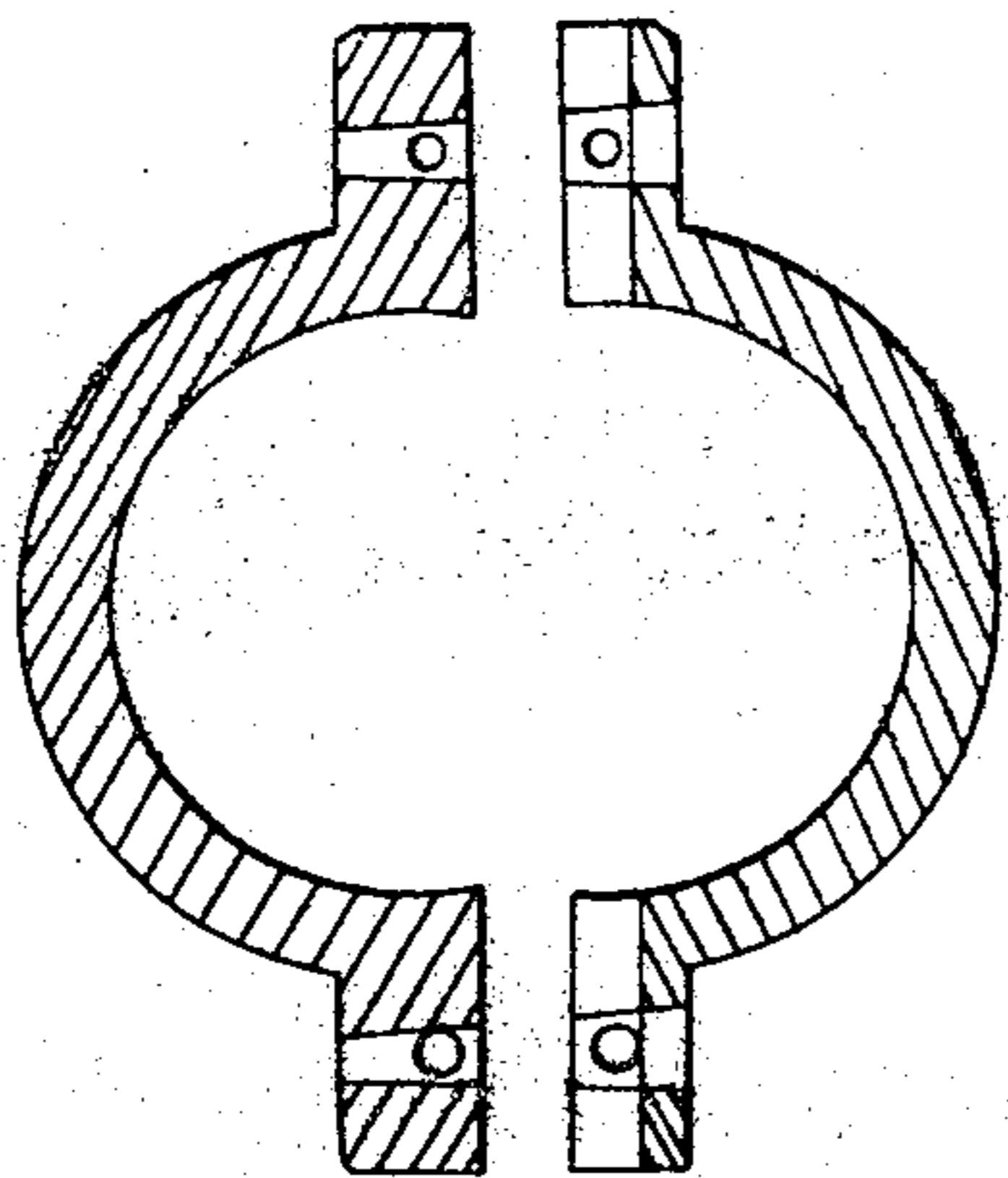


Fig. 1.

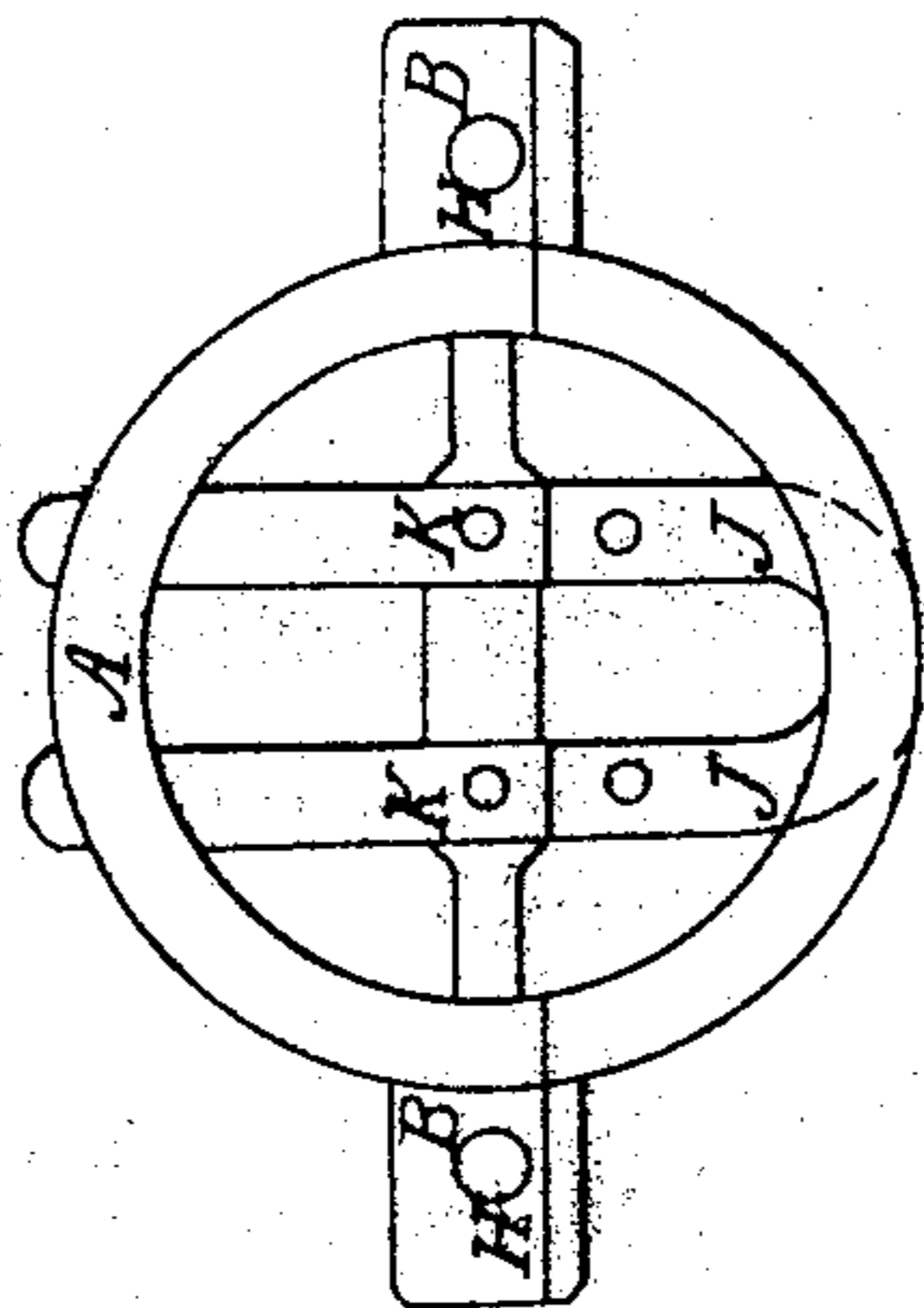


Fig. 3.

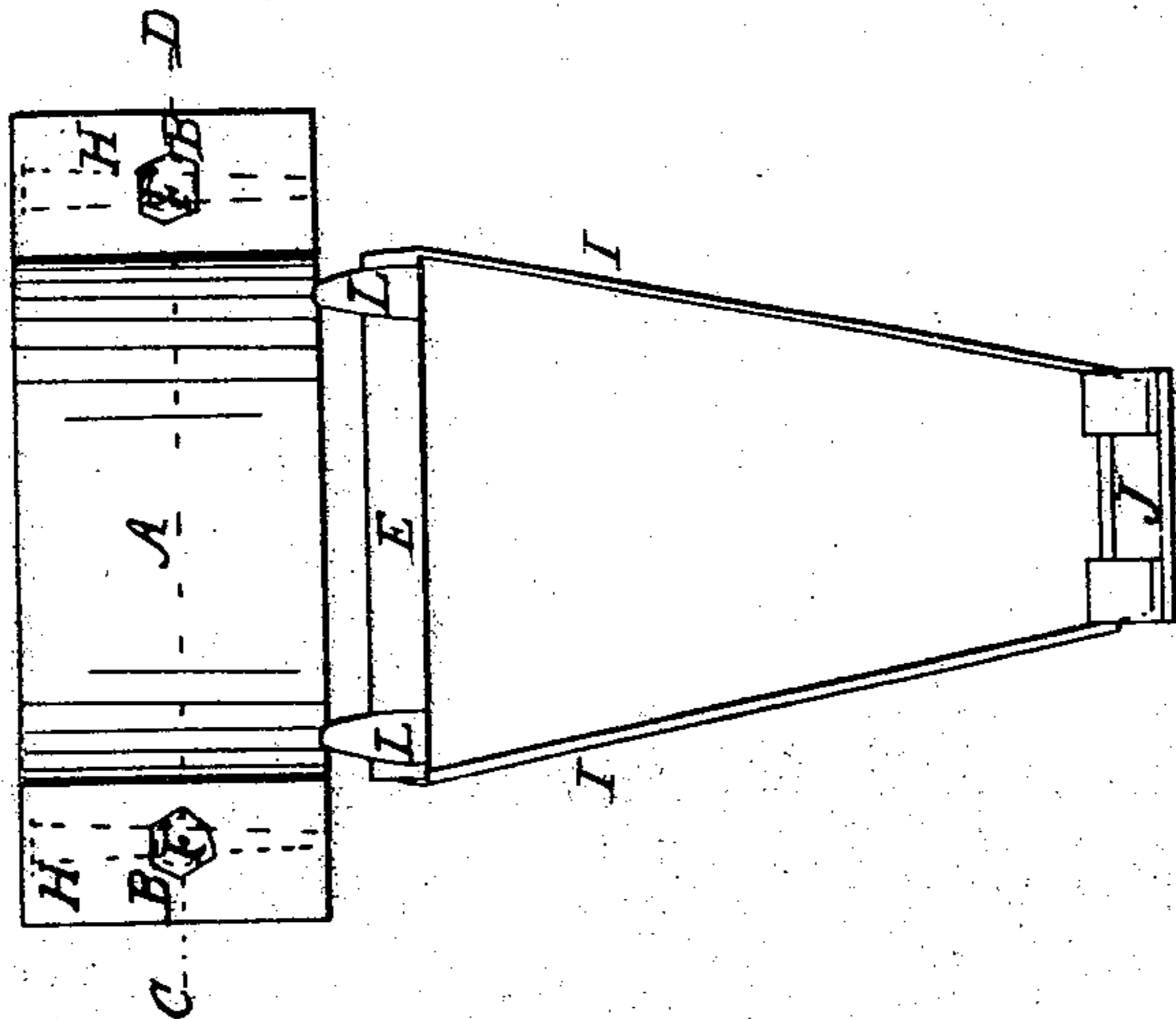
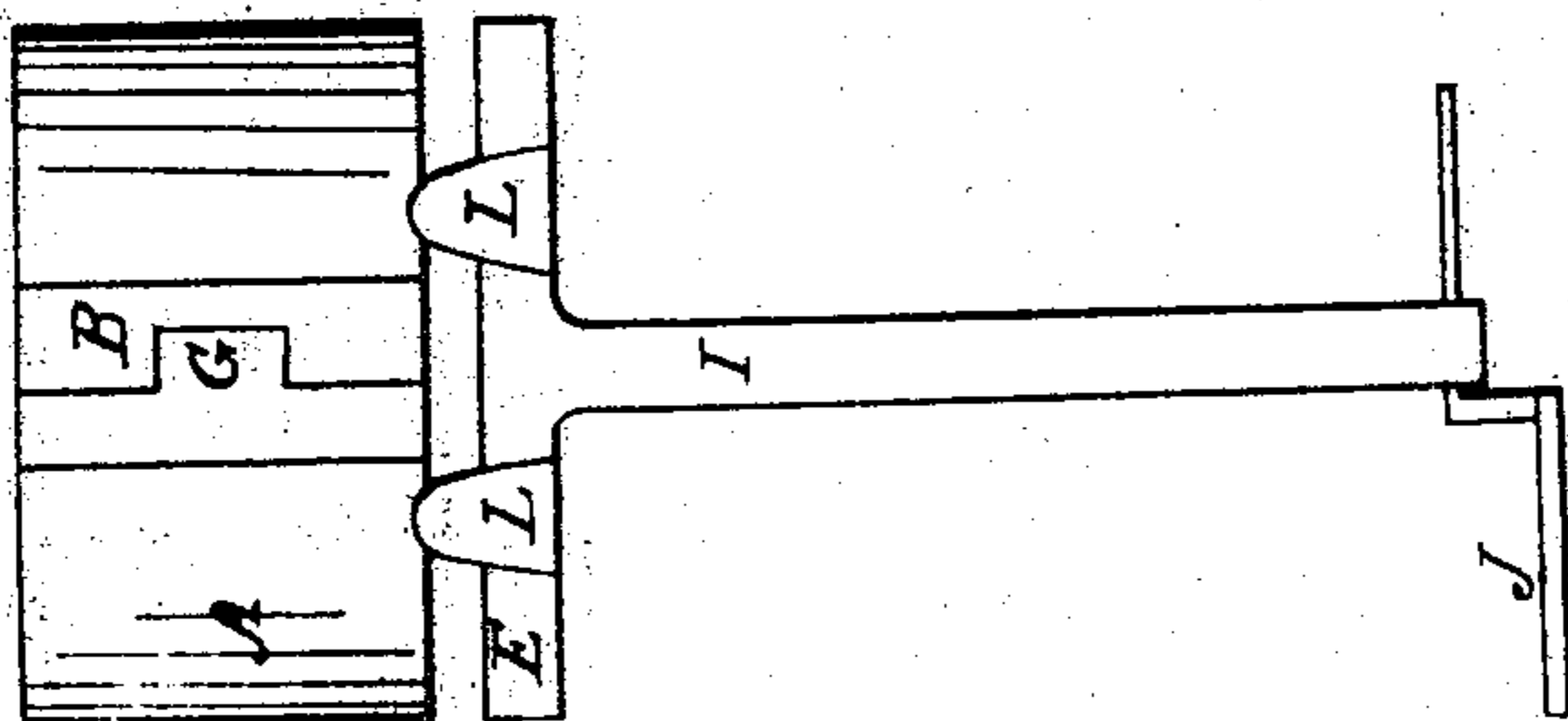


Fig. 2.



Witnesses

M. A. Cox
R. A. Eastman

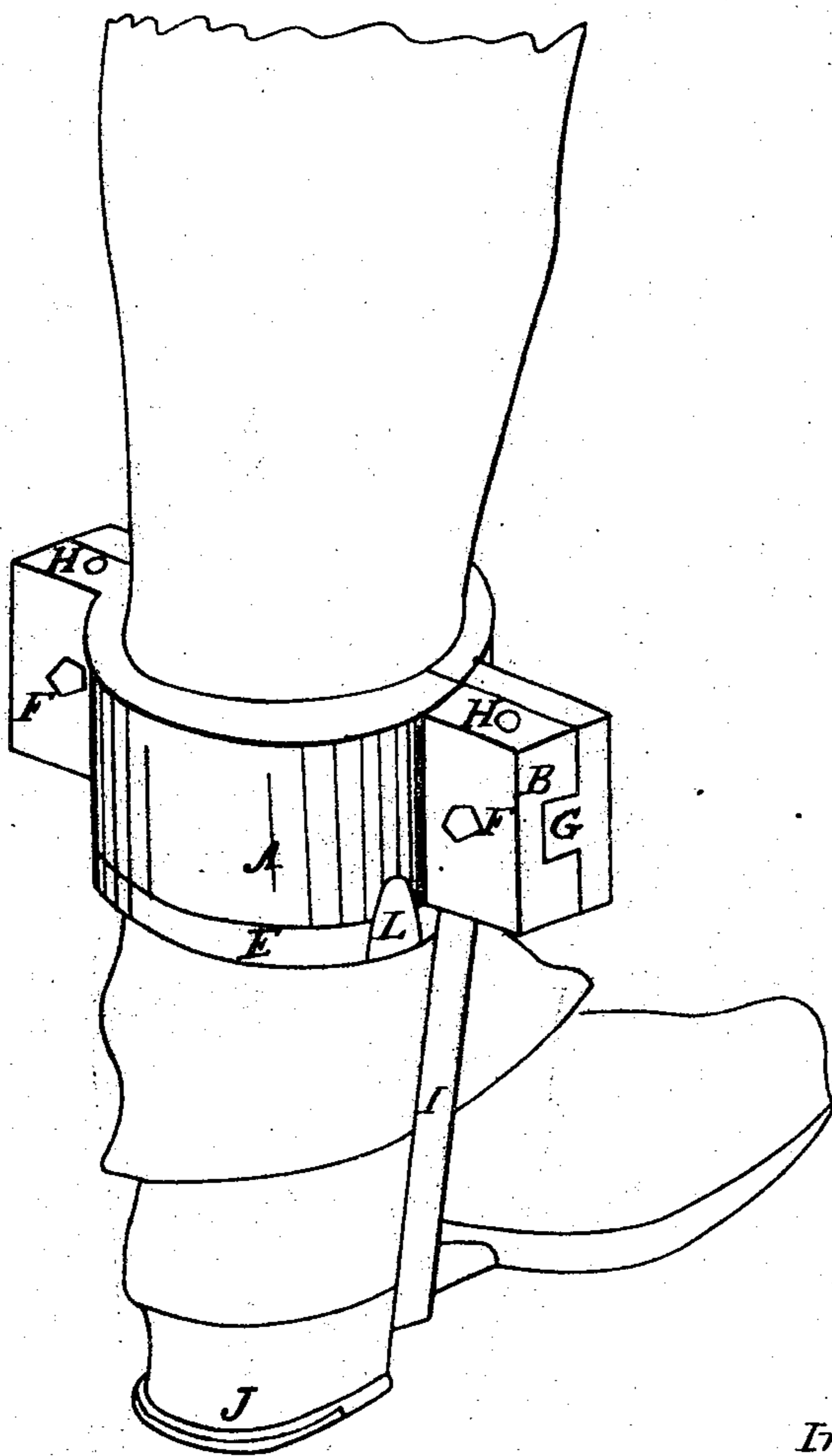
Inventor

William Riley

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Witnesses.
P. P. Eubank
Attest

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United States Patent Office.

WILLIAM RILEY, OF SALEM, OREGON, ASSIGNOR TO H. CARPENTER,
OF THE SAME PLACE.

Letters Patent No. 85,402, dated December 29, 1868.

IMPROVED SHACKLE AND SUPPORTER

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

To whom it may concern:

Be it known that I, WILLIAM RILEY, of the city of Salem, in the county of Marion, in the State of Oregon, have invented an Improved Shackle and Supporter thereof; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters and figures of reference thereon.

The nature of my invention and improvement consists in an improved shackle, to be used with a screw-bolt or a bolt to rivet, supported as hereinafter described.

This shackle is convenient, and much better calculated to prevent the escape of prisoners, and others upon whom it may be fastened, than the ball and chain, for, while the ball and chain can be removed or severed with ease, by the aid of edged tools, at any time when an opportunity offers, this shackle cannot be easily removed. In fact it is almost impossible to remove it with ordinary tools and appliances, such as might come within the reach of prisoners and others upon whom it may be fastened. Besides, in my invention the shackle is so supported as to relieve those upon whom it may be fastened from all weight and inconvenience when standing or sitting, and thus, while it is effectual for the purposes for which it is designed, it relieves the wearer from all unnecessary embarrassment and inconvenience.

To enable others to make use of my invention, I will proceed to describe its construction and operation.

In the accompanying drawings—

Plate 1 is a perspective of the shackle A B and supporter E.

Figure 1, Plate No. 2, shows the plan.

Figure 2 shows the elevation at B, fig. 1.

Figure 3 shows the elevation at A, fig. 1.

Figure 4 shows the section through C D on fig. 3.

The same letters refer to the same parts on all the drawings.

The shackle is to be composed of any hard metal, such as iron, steel, or copper, and to weigh from six to twelve pounds or heavier, according to the strength of the person upon whom it may be fastened.

This shackle A B, reference being had to the drawings, is riveted through the part B with a centre-rivet, F, when placed upon the ankle, and this centre-rivet is protected by the tongue or truckle G, and also by the bolt or screw H, running perpendicularly through the rivet F, and both portions of the shackle B, so that it cannot be reached by a saw or edged instrument.

The shackle is supported by a supporter, E, consisting of a half round iron ring, one-fourth inch thick and three-fourths of an inch wide, passing around the leg or ankle, immediately under the shackle, upon which the shackle is supported while the foot is at rest, as when the wearer is standing or sitting.

To this supporter is attached, on each side, a strap, I, passing under the foot, just in front of the heel of the shoe, and fastened to the heel-plate J with rivet or screws K K. The strap I should be one-eighth ($\frac{1}{8}$) inch thick by ($\frac{1}{2}$) one-half inch wide.

The shackle A B is prevented from turning on the leg or ankle by means of the stops L L on each side of the projection B.

The heel-plate J consists of a thin piece of iron or steel, three-fourths of an inch wide, making the circle of the heel, and continued two or three inches along the sole of the shoe.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The improved shackle A B, with the tongue G and mode of fastening upon the ankle, substantially as herein described.

2. The supporter E, and the mode of fastening the same to the shoe, by means of the strap I and heel-plate J, constructed and arranged substantially as herein set forth.

3. The mode of preventing the shackle from turning on the ankle, by means of the stops L L, as specified.

WILLIAM RILEY.

Witnesses:

R. P. EARNHART,
M. R. Cox