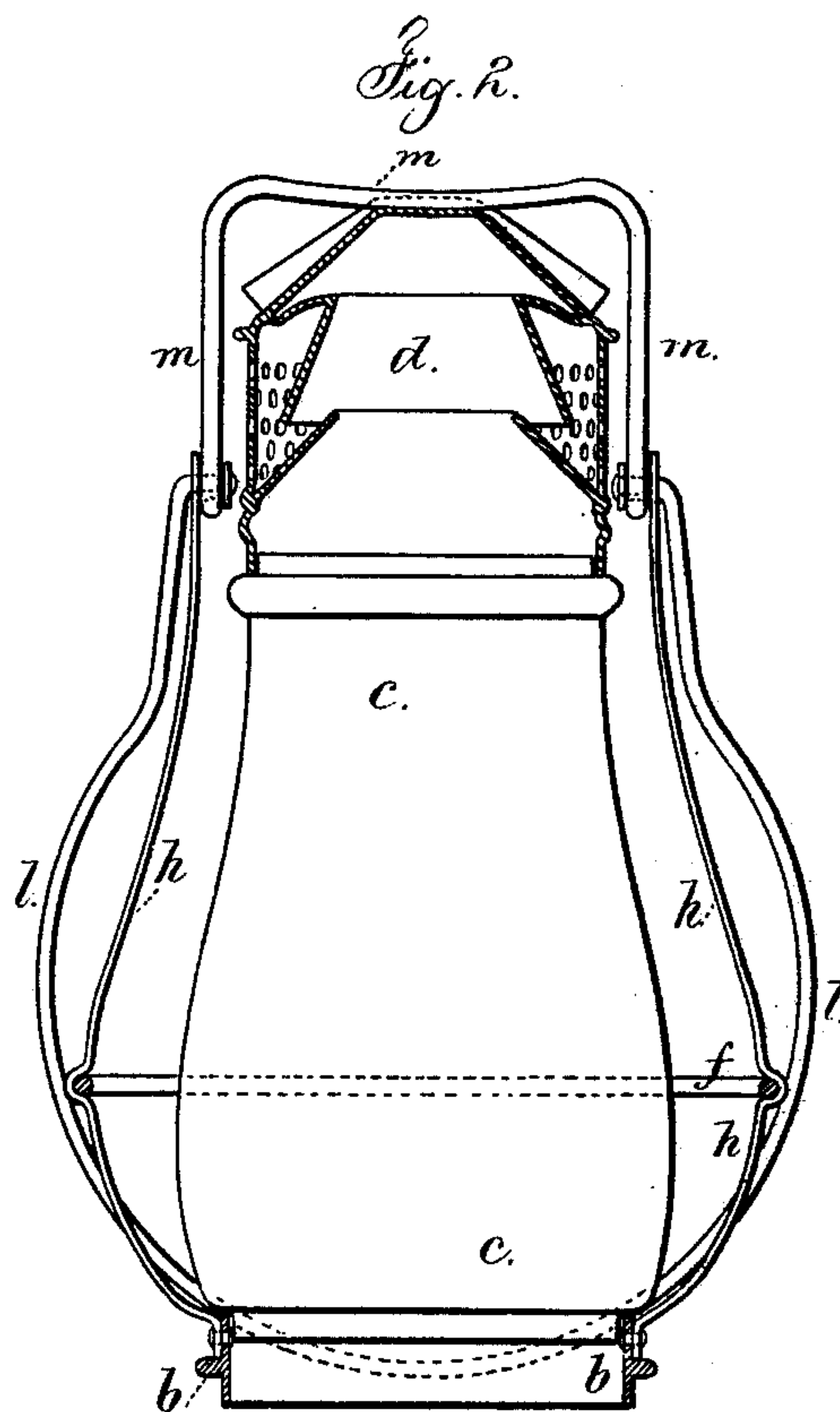
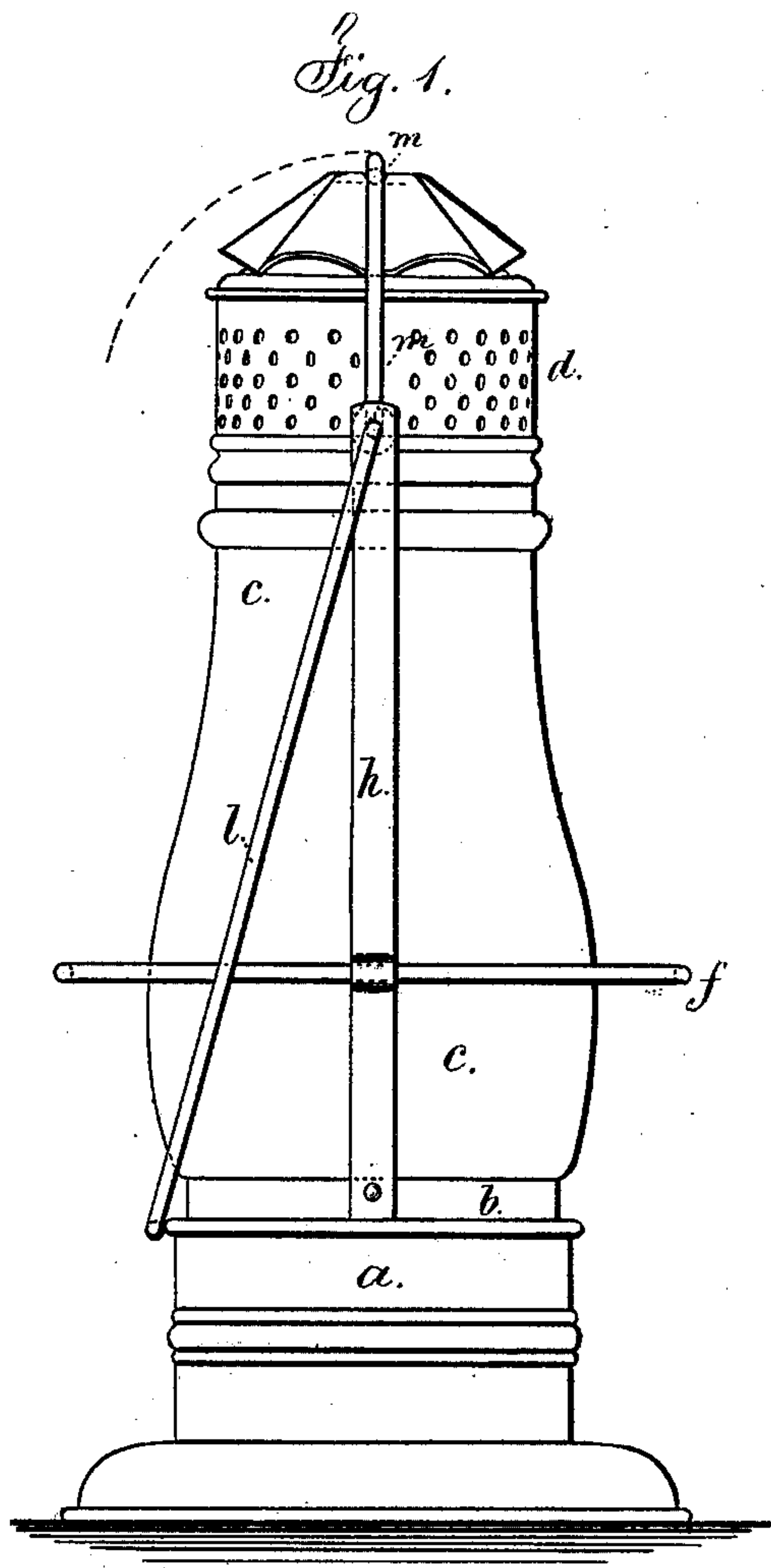


L. J. ATWOOD.
Lantern.

No. 206,917.

Patented Aug. 13, 1878.



Witnesses

Chas. H. Smith.
Geo. D. Pinckney

Inventor

Lewis J. Atwood.

per Lemuel W. Perrell

Atty

UNITED STATES PATENT OFFICE.

LEWIS J. ATWOOD, OF WATERBURY, CONNECTICUT, ASSIGNOR TO THE PLUME
& ATWOOD MANUFACTURING COMPANY, OF SAME PLACE.

IMPROVEMENT IN LANTERNS.

Specification forming part of Letters Patent No. **206,917**, dated August 13, 1878; application filed
June 20, 1878.

To all whom it may concern:

Be it known that I, LEWIS J. ATWOOD, of Waterbury, in the county of New Haven and State of Connecticut, have invented an Improvement in Lanterns, of which the following is a specification:

Lanterns have been made with a fixed guard around the glass, and with a bail and clamp-screw to swing over and hold the cap. In this case the ring or bail by which the lantern is carried is attached to the clamping-bail, and tends to displace the same from the cap when in use.

My present invention relates to a guard inclosing the glass and provided with a suspending bail or ring, in combination with a hinged spring-strap that is swung across the cap and confines the same and the glass in place. By this construction the glass can be instantaneously removed for cleaning, and there is no strain upon any movable part of the guard when handling the lantern.

In the drawings, Figure 1 is an elevation of the lantern, and Fig. 2 is a section of the guard detached.

The lamp in the base *a* of the lantern may be of any desired character, and the ring *b*, for the bottom of the glass *c* to rest upon, is removably connected with the base *a* in any desired manner. The glass or globe *c* is of any desired shape, and at the upper end there is a removable cap, *d*, of any suitable shape or material. I prefer, however, that the top part of the cap be conical, as represented, and provided with a transverse groove or depression, for a purpose hereinafter named.

The guard for the glass may be made with one or more rings, *f*, and two or more vertical wires or rods. I have shown the two vertical

rods or strips *h* to hold the ring *f*, and also to receive at their upper ends the loops or journals of the swinging bail or ring *l*, by which the lantern is carried. By this construction the weight of the lantern and all strain in its use are taken off the top of the lantern and the glass, and the ring *b* below the glass receives the weight of the parts of the lantern. It is therefore only necessary to hold the top of the lantern upon the glass, and in so doing keep the base of the glass in its ring *b*. For this purpose I employ the spring-strap *m*, hinged at its lower ends to the parts of the guard and swinging across over the cap *d*. This strap is preferably a piece of wire, with eyes at its ends surrounding the journals of the bail-wire, and it springs sufficiently as it is forced across over the cap of the lantern to snap down into the transverse groove in the top of the same, before mentioned, and in so doing the glass and cap are held firmly to their places. By swinging this spring-strap aside the glass and cap can be removed for cleaning without disturbing any other parts of the lantern.

I claim as my invention—

The swinging spring-strap *m*, hinged at its lower end to the guard of the lantern, in combination with the glass *c*, the removable cap *d*, the fixed guard *f h*, and the swinging bail or ring *l*, that is hinged directly to the guard and independent of the spring-strap *m*, substantially as set forth.

Signed by me this 15th day of June, 1878.

L. J. ATWOOD.

Witnesses:

ROBT. T. LATTIN,
CHARLES H. SAWN.