

J. J. Steward.

Self-Locking Burr.

Nº 90,699.

Patented Jan. 1, 1869.

Fig. 1.

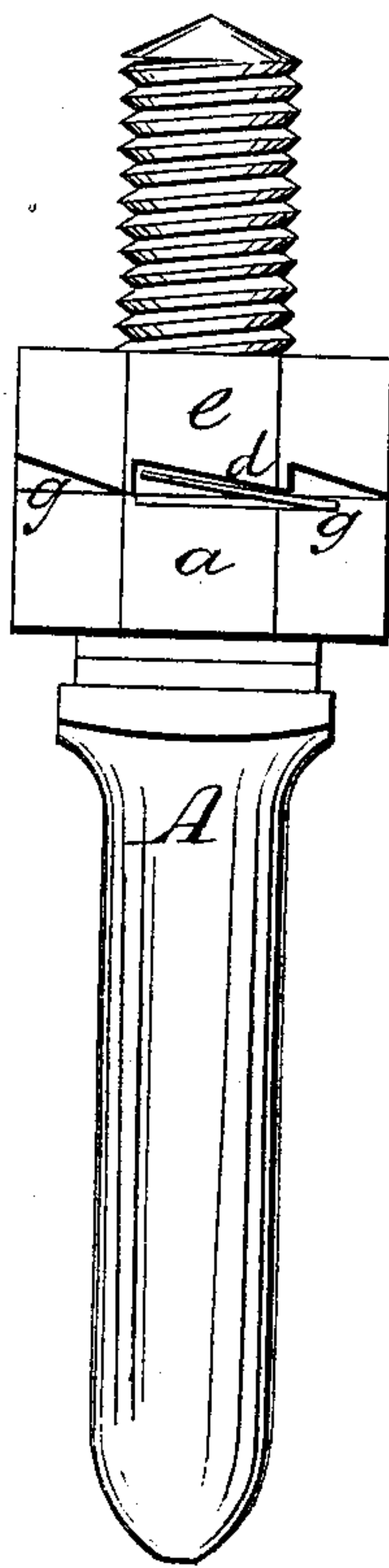


Fig. 2.

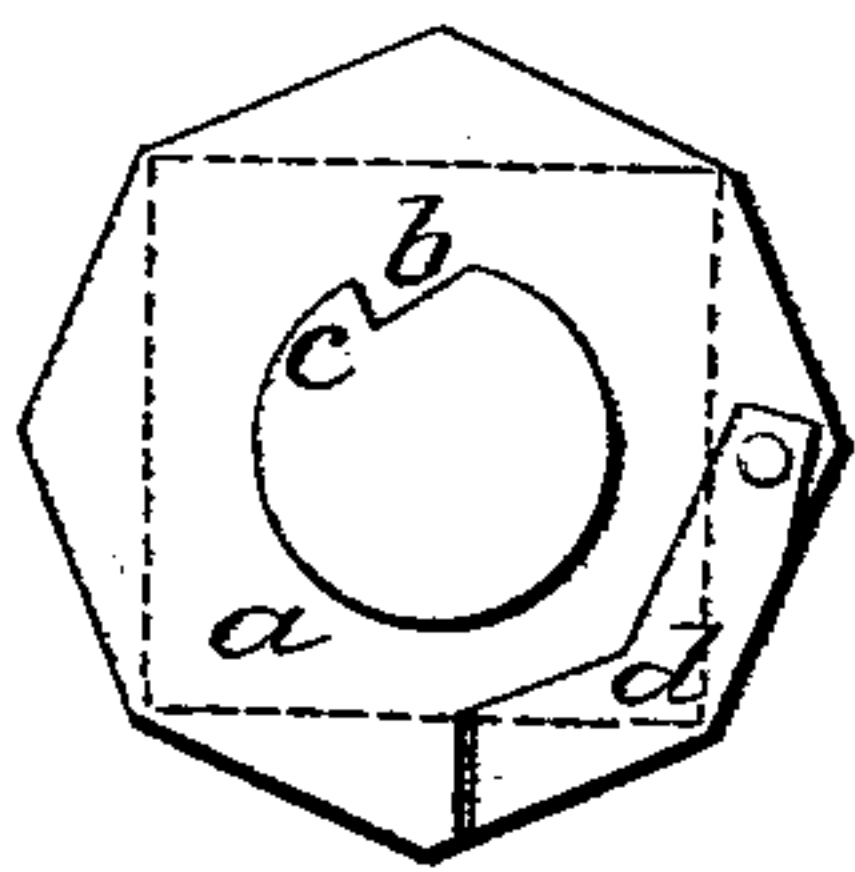
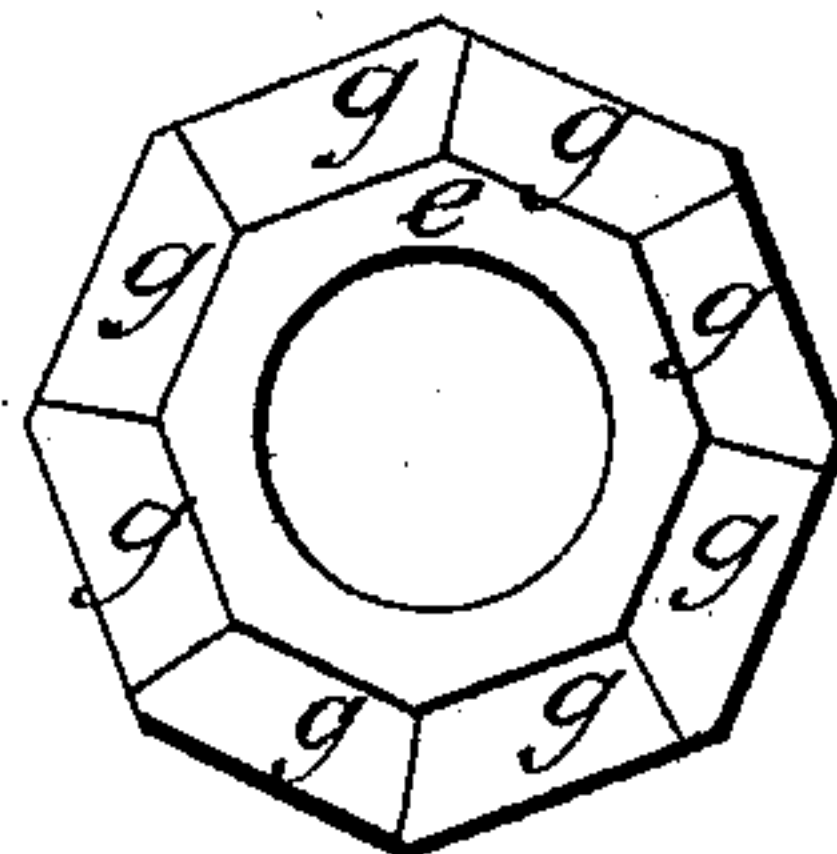


Fig. 3.



Witnesses:

H. N. Miller
J. V. White.

Inventor.

J. J. Steward.



JAMES J. STEWARD, OF BIG PRAIRIE, OHIO.

Letters Patent No. 90,699, dated June 1, 1869.

IMPROVEMENT IN LOCKING-BURR.

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

To all whom it may concern:

Be it known that I, JAMES J. STEWARD, of Big Prairie, in the county of Wayne, and State of Ohio, have invented certain new and useful Improvements in Self-Locking Burr; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification, and in which—

Figure 1 represents a side view;

Figure 2, a plan view of the burr, with the lock removed; and

Figure 3, a plan view of the lock, inverted.

Like letters of reference indicate like parts in all the figures.

My invention relates to improvements in self-locking burrs; and to this end

It consists in the employment of a spring, attached to the base of the burr, which securely fastens the upper nut.

It also consists in securing the base, by means of a projection fitting in a groove in the screw, in the manner hereinafter described.

To enable others skilled in the art to which my invention appertains, to make and use the same, I will now describe its construction and operation.

In the accompanying drawings—

A represents an iron rod or bar, provided with a screw at one end.

This screw is formed with a groove on one side, as seen at *b*.

The nut is made in two pieces, as seen in fig. 1, the lower part, or base, *a*, being provided with a projection, as seen at *c*. This projection fits in the groove *b*, and makes the base stationary.

d is a spring, attached in a groove cut in the upper surface of the base, *a*, the object of which will hereinafter be described.

The upper nut, *e*, is formed in its centre with a female screw, fitting the male screw on the bar A.

g g g are steps, formed in the lower surface of the nut *e*, and fit in the spring *d*, thereby preventing the nut from being worked off.

To remove the nut, it is necessary to press the spring from out the slots, and it can be unscrewed with ease.

Having thus described my invention,

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

1. The base, *a*, provided with projection *c* and spring *d*, in combination with the grooved screw *b*, substantially in the manner and for the purpose described.

2. The nut *e*, formed on its lower surface with steps *g g g*, in combination with base, *a*, provided with projection *c* and spring *d*, and grooved screw *b*, arranged and operating substantially as described.

In testimony that I claim the foregoing as my own, I affix my signature, in the presence of two witnesses.

JAMES J. STEWARD.

Witnesses:

HENRY LEHMAN,
LUCIAN ADAMS.