

(No Model.)

J. S. ADAMS.

CLAMP.

No. 256,530.

Patented Apr. 18, 1882.

FIG. 1.

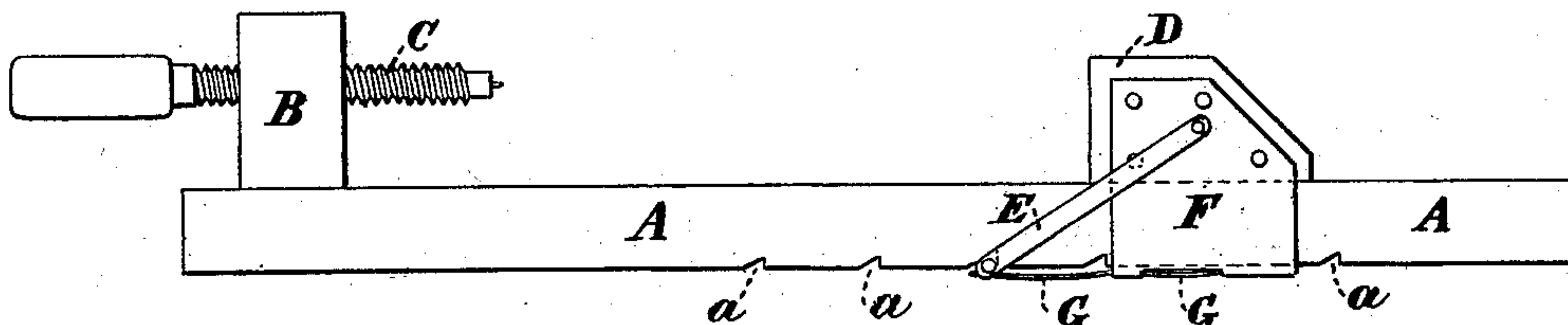


FIG. 2.

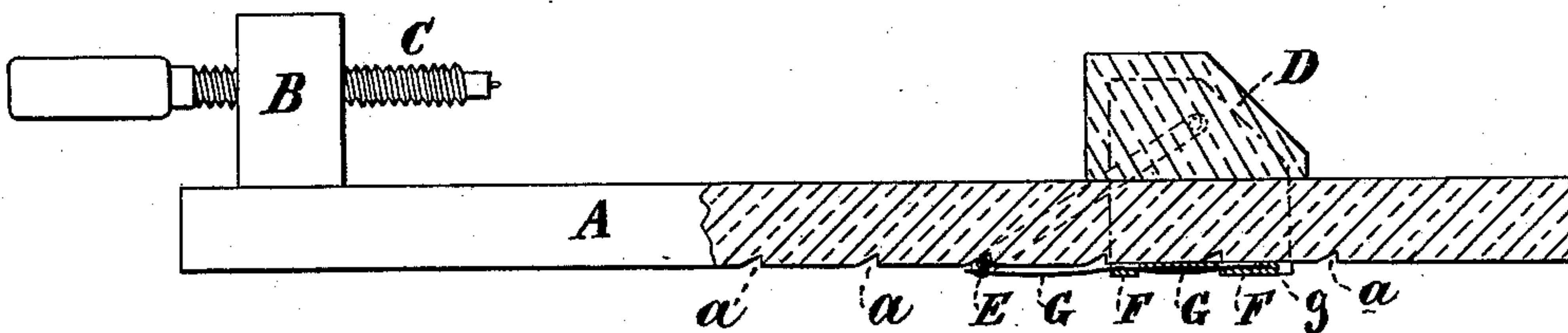
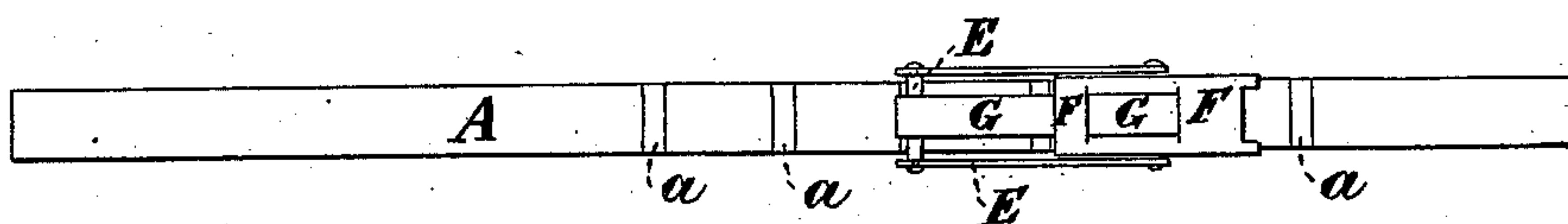


FIG. 3.



Witnesses

E. Planta.

B. O'Hara.

Inventor

John S. Adams
by J. H. Adams
Att'y.

UNITED STATES PATENT OFFICE.

JOHN S. ADAMS, OF BOSTON, MASSACHUSETTS.

CLAMP.

SPECIFICATION forming part of Letters Patent No. 256,530, dated April 18, 1882.

Application filed August 29, 1881. (No model.)

To all whom it may concern:

Be it known that I, JOHN S. ADAMS, of Boston, in the county of Suffolk and State of Massachusetts, have invented a new and useful Improvement in Clamps for the use of Cabinet-Makers and others, of which the following is a specification.

The object of my invention is to produce a more convenient and effective clamp for the use of cabinet-makers, joiners, &c., than those now in use; and the invention consists in the employment of a spring attached to the sliding jaw in such a manner as to hold the clamp-iron up to the bar, so as to insure its engaging with the notches on the bar without the necessity of holding up the clamp-iron with the hand when the clamp is required for use.

In clamps of this character as now made the clamp-iron, when not in use, drops down away from the bar, and when required for use it is necessary to hold the clamp-iron up to the bar to engage it in the notches. This inconvenience is obviated by my invention.

Referring to the drawings, Figure 1 is a side view of a clamp with my improvement applied thereto. Fig. 2 is a similar view, partly in section; and Fig. 3 is a view of the under side of the same.

A is a bar of the ordinary construction, provided with a head, B, and screw C at one end,

and with notches *a* on the under side. To the sides of the chuck or jaw D, and inclosing the bar A, so as to slide freely thereon, is attached a clasp of thin sheet metal or other suitable material, F.

To the under side of the clasp F is attached a thin spring, G, of sheet metal or other suitable elastic material, which extends forward and holds the clamp-iron E in the notches *a*, as shown. The notches *a* are cut with an inclination at one side, so that the clamp-iron can be easily pushed forward to engage in the same. When the article clamped is to be released and the sliding jaw drawn back it is only necessary to press the spring G down and release the clamp-iron from the notches.

What I claim as my invention is—

1. The spring G, in combination with the sliding jaw D and clamp-iron E, as and for the purpose set forth.

2. The combination of the spring G, clasp F, clamp iron E, jaw D, and bar A, substantially as and for the purpose set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOHN S. ADAMS.

Witnesses:

J. H. ADAMS,
B. O'HARA.