

W. A. ROBINSON'S

73651

JAMES EASTENER

PATENTED

JAN 21 1868

FIG 1

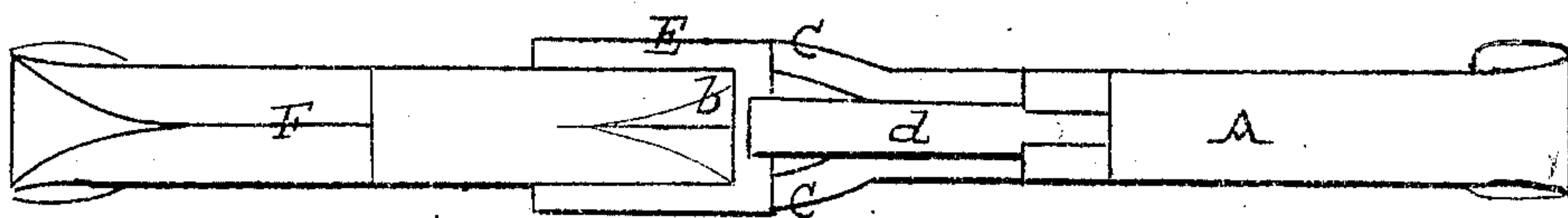


FIG 2

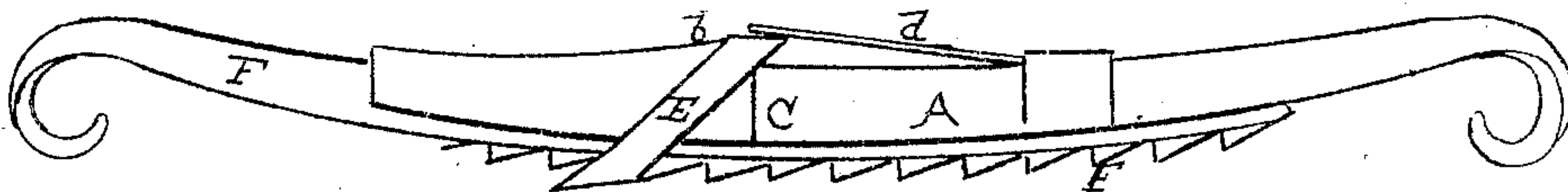
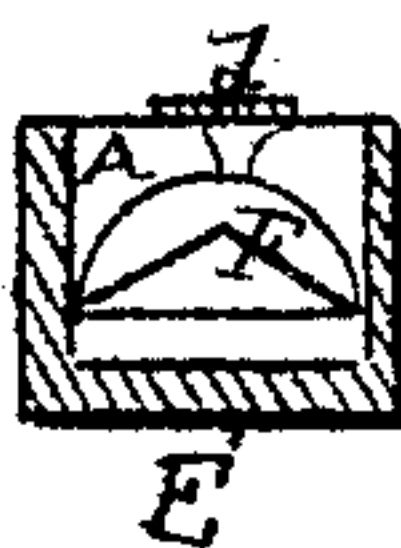


FIG 3



ATTEST

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INVENTOR

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WILLIAM A. ROBINSON, OF GRAND RAPIDS, MICHIGAN.

Letters Patent No. 73,651, dated January 21, 1868.

IMPROVED HAMES-FASTENER.

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, WILLIAM A. ROBINSON, of the city of Grand Rapids, Kent county, Michigan, have invented a new and useful Buckle for Fastening Hames; and I do hereby declare that the following is a full and exact description of said invention, reference being had to the attached drawings, making a part of these specifications.

My said invention consists of—

First. A grooved bar, A, having an eye at one end by which the same may be attached to the hames. There is a shoulder, *b*, on the back of said bar, about one-third the distance from the other end, and another shoulder on each of the two sides, C C, say one-quarter of an inch further on; and a spring, *d*, on the back, extending from said shoulder *b* about one-third the length of said bar, the other end of which spring is laid in a short groove, and is fastened to its place by riveting the sides of the groove on to it.

Second. A loop, E, of sufficient size to allow said grooved bar A to go through it until it passes over the shoulder *b* and comes against the shoulders C C, which, when in its natural position under the spring *d*, lies diagonally across the sides of said bar A. This loop operates as a pawl on the ratchet-bar, hereinafter described. There is a flange on each side of the outer end of the loop, so arranged that when the loop is brought back against the shoulders C C, the ratchet-bar may be withdrawn without difficulty.

Third. A ratchet-bar, F, having an eye at one end, by which the same may be attached to the hames. This bar is so formed on the back as to fit the groove in bar A, and has a flange on each side of the teeth, which come against the flanges on the loop E, and enable it to be withdrawn from the loop without liability of catching.

The whole is to be made of metal.

The process of buckling the hames is performed by bringing the ratchet-bar F into the groove of bar A, and pressing it through the loop E to the required tension, when the outer end of said loop, by the action of the spring *d*, will be brought between the teeth on bar F, and will hold the hames to their place.

The process of unbuckling is performed by pulling on the outer end of the loop E until it comes back against the shoulders C C, when the bars may be easily separated.

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

The combination of the grooved and ratchet-bars A and F with the spring *d* and loose loop E, said loose loop operating in connection with the shoulders *b* and C, substantially as and for the purposes set forth.

WM. A. ROBINSON.

Witnesses:

EDWIN S. PIERCE,

L. G. WELLS.