

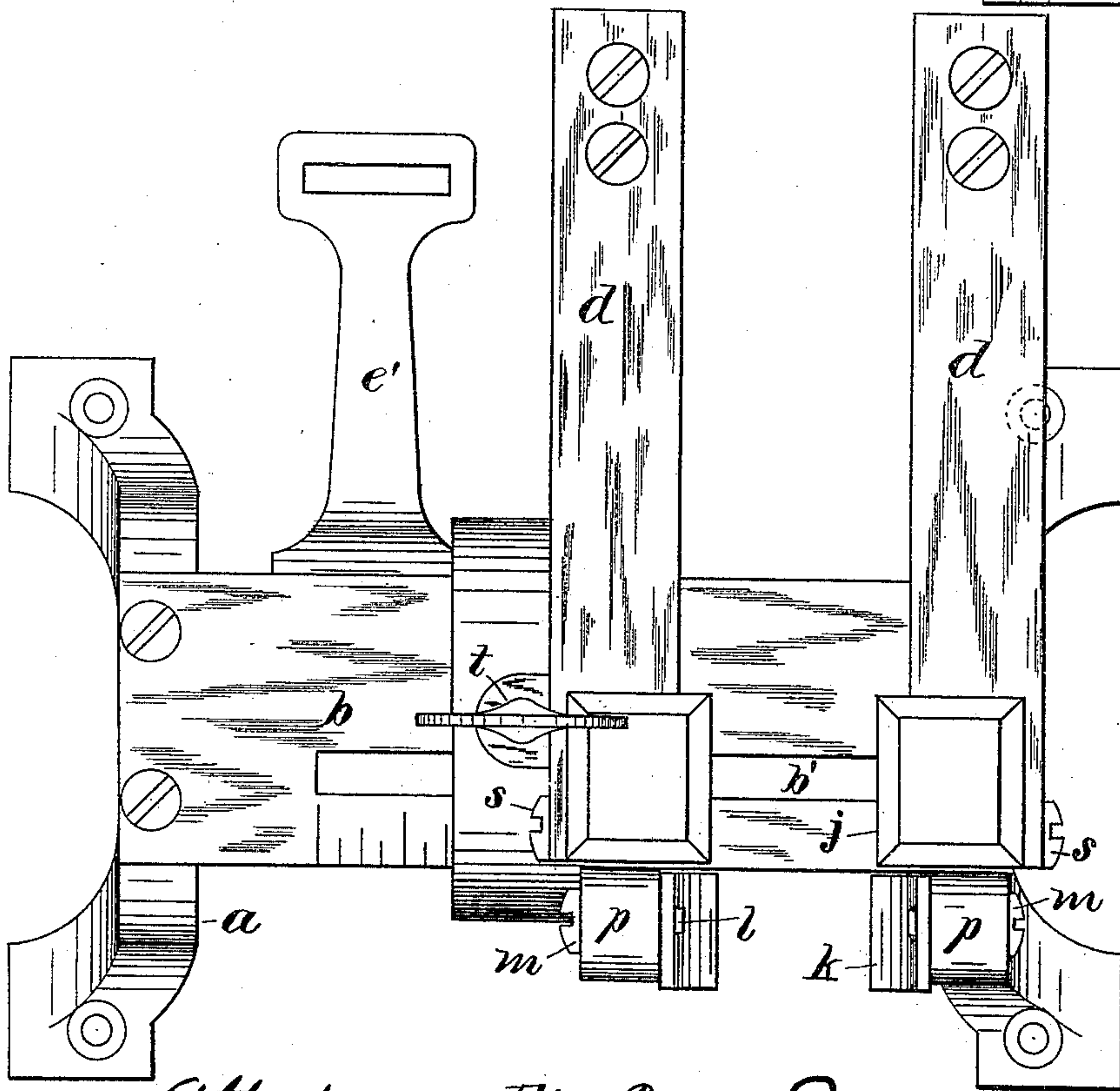
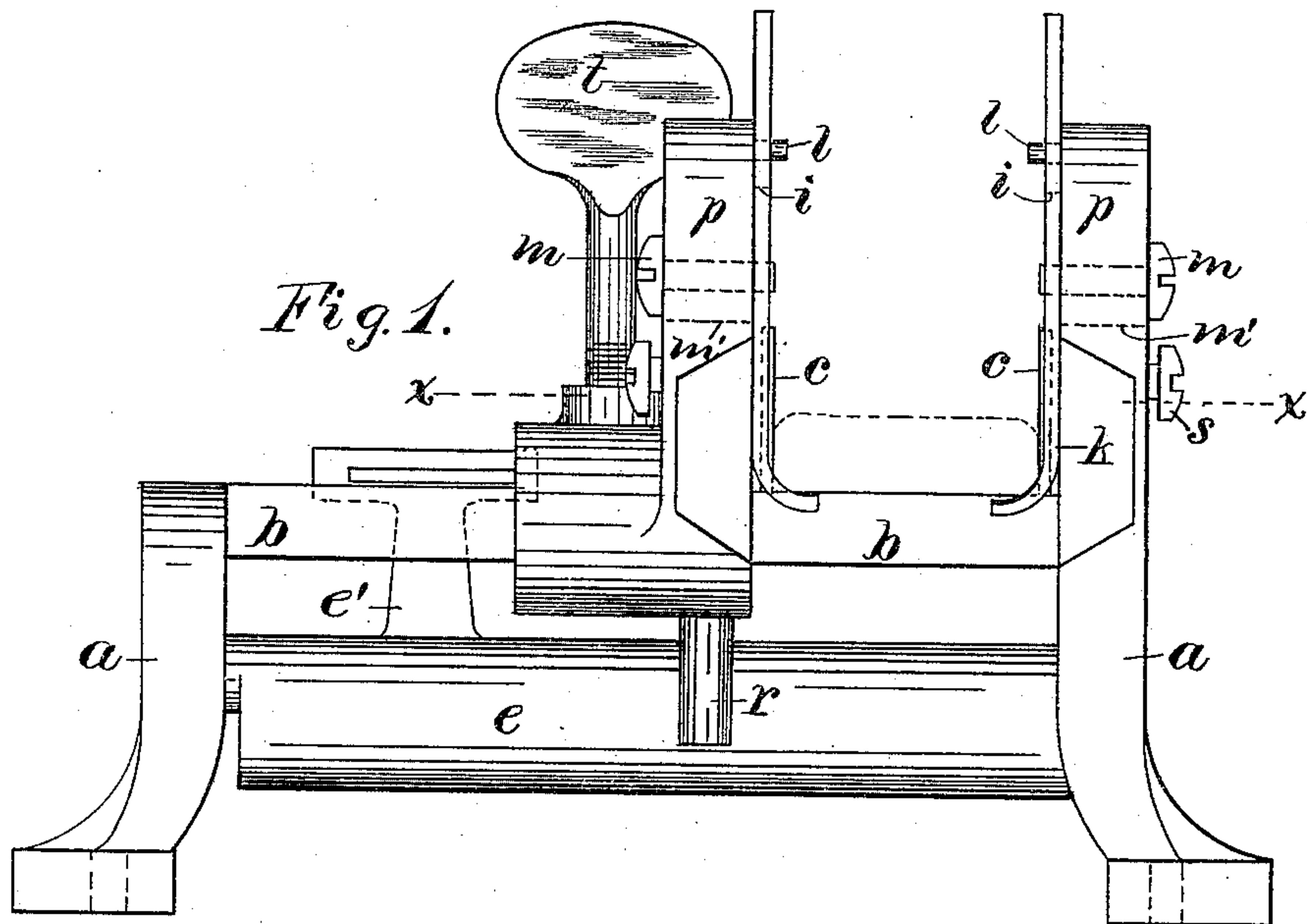
(No Model.)

2 Sheets—Sheet 1.

H. F. OSBORNE.
STRAP TRIMMING TOOL.

No. 444,012.

Patented Jan. 6, 1891.



Attest:
F. C. Fischer.
J. Van Hook Jr.

Inventor,
Henry F. Osborne,
per Charles Miller, Atty.

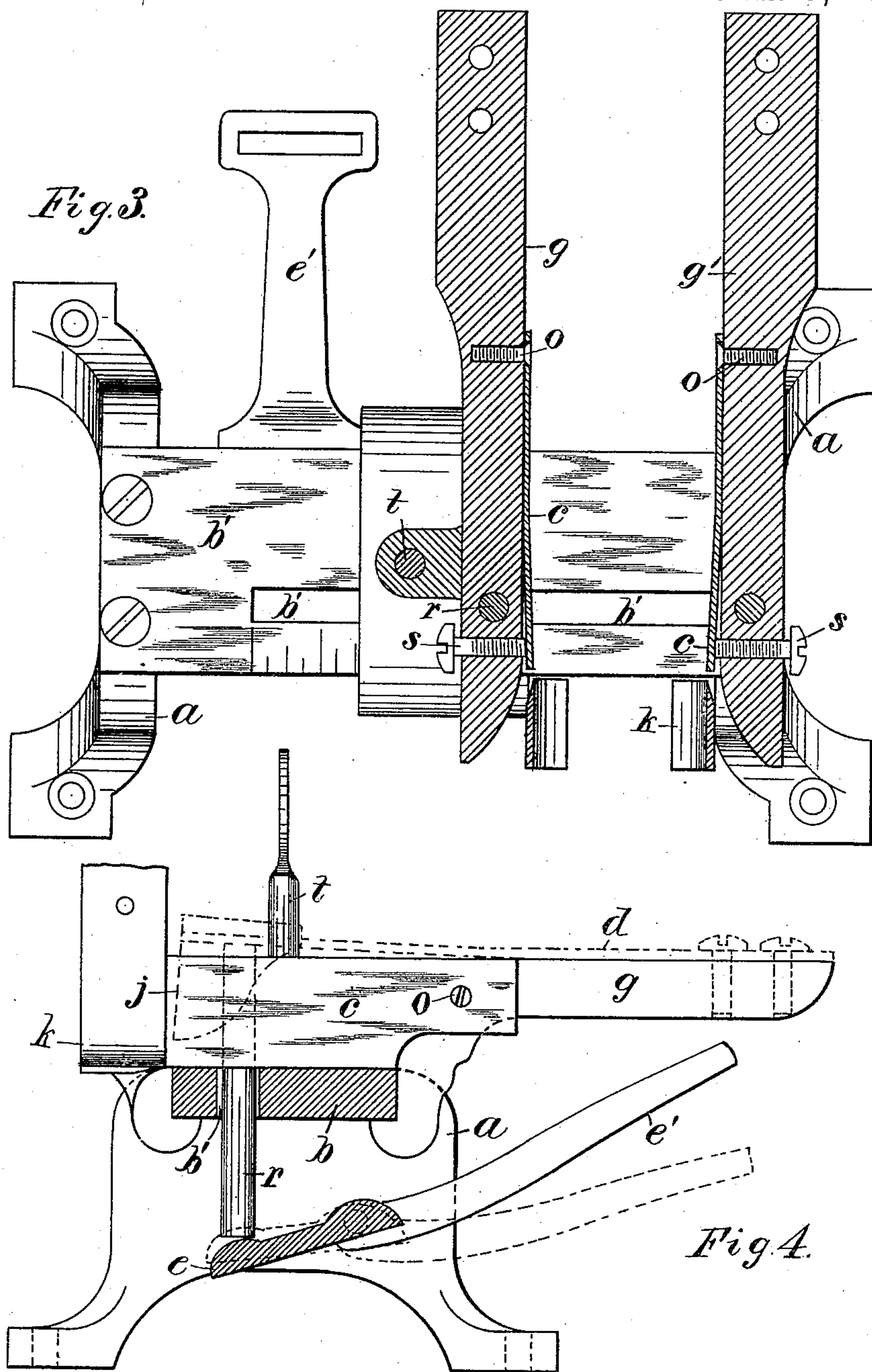
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UNITED STATES PATENT OFFICE.

HENRY F. OSBORNE, OF NEWARK, NEW JERSEY.

STRAP-TRIMMING TOOL.

SPECIFICATION forming part of Letters Patent No. 444,012, dated January 6, 1891.

Application filed April 14, 1890. Serial No. 347,755. (No model.)

To all whom it may concern:

Be it known that I, HENRY F. OSBORNE, a citizen of the United States, residing at Newark, Essex county, New Jersey, have invented certain new and useful Improvements in Strap-Trimming Tools, fully described and represented in the following specification and the accompanying drawings, forming a part of the same.

10 The object of this invention is to provide an accurate and convenient means of adjustment for the cut of a strap-trimming tool; and the invention consists in the combination, with the knives and the guides for directing the strap thereto, of cheek-pieces secured upon the faces of the guides at their forward ends and adjusting-screws applied to the guides adjacent to the knives, with their ends in contact with the free ends of the said cheek-pieces. Heretofore tools of this class have been constructed with one of the guides adjustable laterally upon the bed to adapt the tool for different widths of straps and the knives have been slotted and secured to the frame by set-screws, and thus adapted for adjustment vertically; but neither of these means has been sufficient to wholly effect the object of my present improvement. As the operative portions of the knives are curved to cut off the corners of the strap, only a slight vertical adjustment alters the character of the cut considerably, and it is therefore difficult to set either the guides or knives with sufficient accuracy with the means for adjustment heretofore employed. By my construction the adjusting-screws operate by means of the cheek-pieces to vary the width of the channel through which the strap is drawn to the knives, and thus to direct the edges of the strap toward the knives, as desired.

My invention will be more fully understood by reference to the annexed drawings, in which—

45 Figure 1 is a front elevation of a tool constructed with my improvement with the jaws for clamping the strap upon the bed removed. Fig. 2 is a plan of the whole tool. Fig. 3 is a sectional plan on line xx in Fig. 1, and Fig. 4 is a transverse section of the tool at a point between the guides and show-

ing one of the jaws in its raised position only in dotted lines.

a is the frame of the tool, and b the bed. g is the movable guide adapted to slide upon the bed, and secured in the desired position by means of the thumb-screw t , and g' is the fixed guide. Both guides are mounted transversely to the bed, and are provided on their tops with flat springs d , secured thereto at their forward ends and provided with jaws j upon their opposite ends adjacent to the knives and projected down their inner sides toward the bed. Rods r are inserted through a slot b' in the bed and in vertical holes in the guides with their upper ends under the free ends of the springs d and their lower ends resting upon a treadle e , pivoted to the frame of the tool and operated by means of the arm e' to withdraw the jaws from the bed when desired.

The knives k are secured to the posts p at the ends of the guides g by set-screws m within slots m' formed therein, and slots i are also provided in the knife-blades to receive the guide-pins l in the posts p . The lower and operative portions of these knives are curved, so as to cut away the lower corners of the strap as it is drawn over the bed between the guides by the operator.

The cheek-pieces c are applied to the inner faces of the guides g and g' , and are secured thereto by the screws or pins o at their forward ends. These cheek-pieces are preferably formed of spring-steel, but may be formed of inelastic material, in which case they should be attached loosely to the guides.

Adjusting-screws are applied through the rear ends of the guides adjacent to the knives and with their extremities in contact with the free ends of the cheek-pieces. By turning the screws the rear ends of the cheek-pieces are inclined toward each other and operate to vary the width of the rear end of the channel in which the strap is inserted and to direct the edges of the latter toward the knives, thus determining the exact size of shaving to be removed from the corners.

My improvement affords not only a convenient means of accurately adjusting the edges of the strap to be trimmed with relation to the knives, but also a means of ad-

justment of the tool while the strap is in place therein, thus avoiding the necessity of removing a strap after its insertion in the tool for such purpose.

5 It is immaterial to my invention what form of knives or what other constructive features are included in the tools, as the essential feature of the device is the means for accurately and positively varying the width of
10 the channel through which the strap passes to the knives.

Having thus set forth my invention, what I claim herein is—

15 1. In a strap-trimming tool, the combination, with the guides and the stationary knives to fixed upright posts at the rear ends of the same, of cheek-pieces secured to the inner faces of the guides at their forward ends, and adjusting-screws applied to the opposite
20 ends of the cheek-pieces adjacent to the

knives to incline the rear ends of the said cheek-pieces toward each other, and to thereby vary the width of the channel at its rear end, as and for the purpose set forth.

2. In a strap-trimming tool, the combination, with the knives and the guides for directing the strap thereto, of cheek-pieces consisting in flat springs secured at one end to the inner faces of the guides, and adjusting-screws applied to the opposite ends of the
30 cheek-pieces adjacent to the knives, substantially as shown and described.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

HENRY F. OSBORNE.

Witnesses:

H. J. MILLER,
F. C. FISCHER.