

(No Model.)

A. ERDMANN,
COPYING PRESS.

No. 406,578.

Patented July 9, 1889.

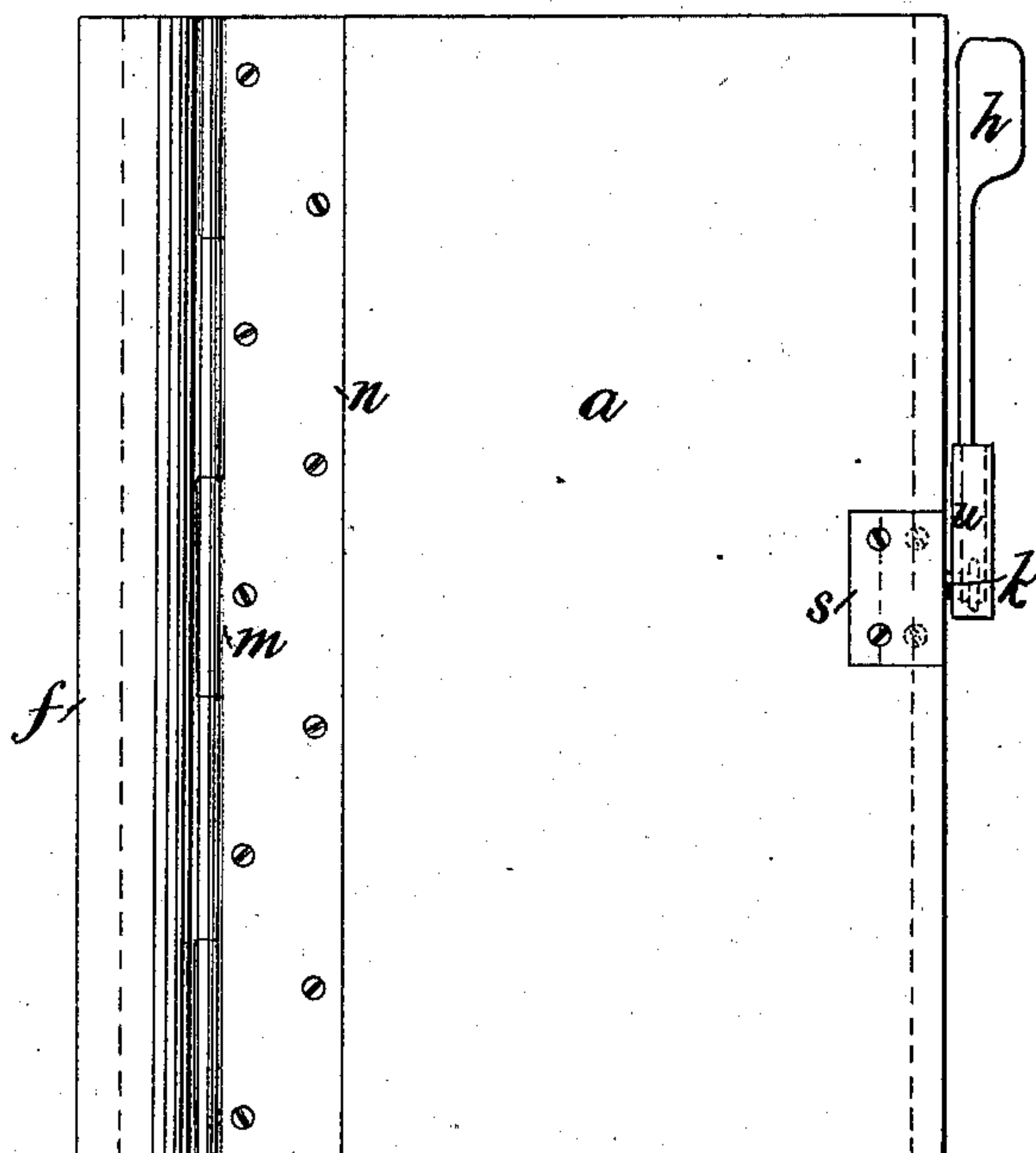


Fig. 1

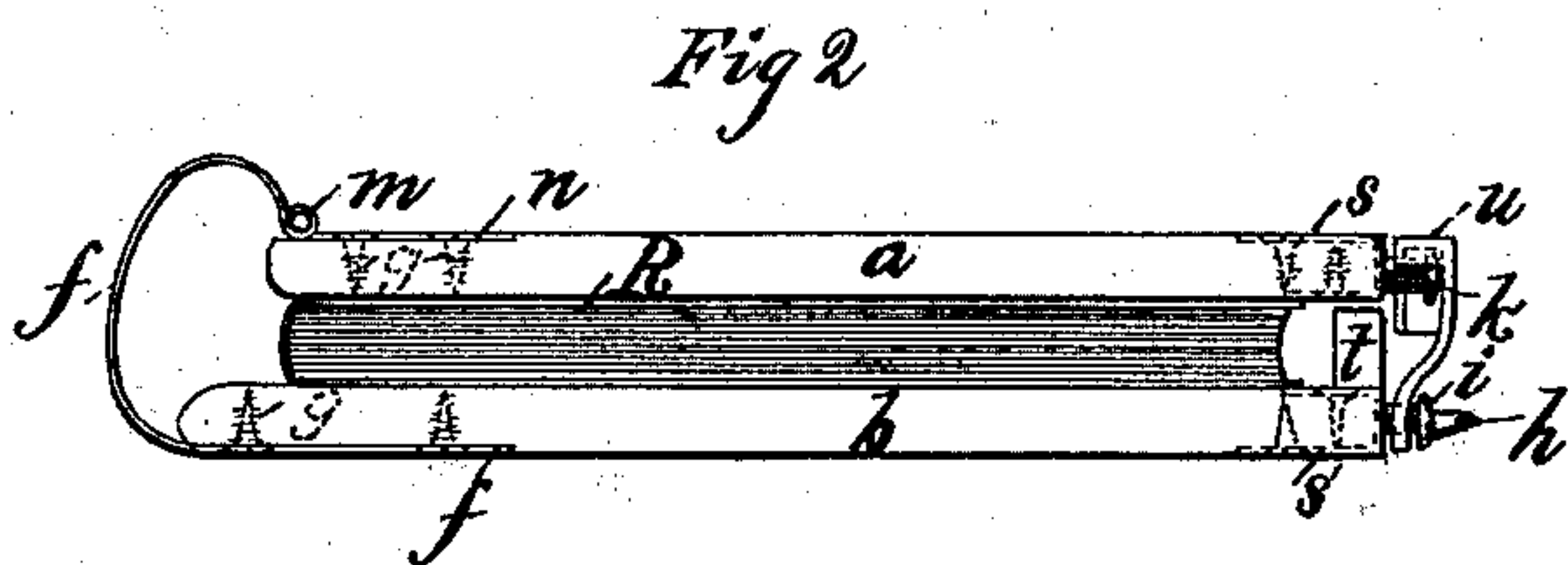


Fig. 2

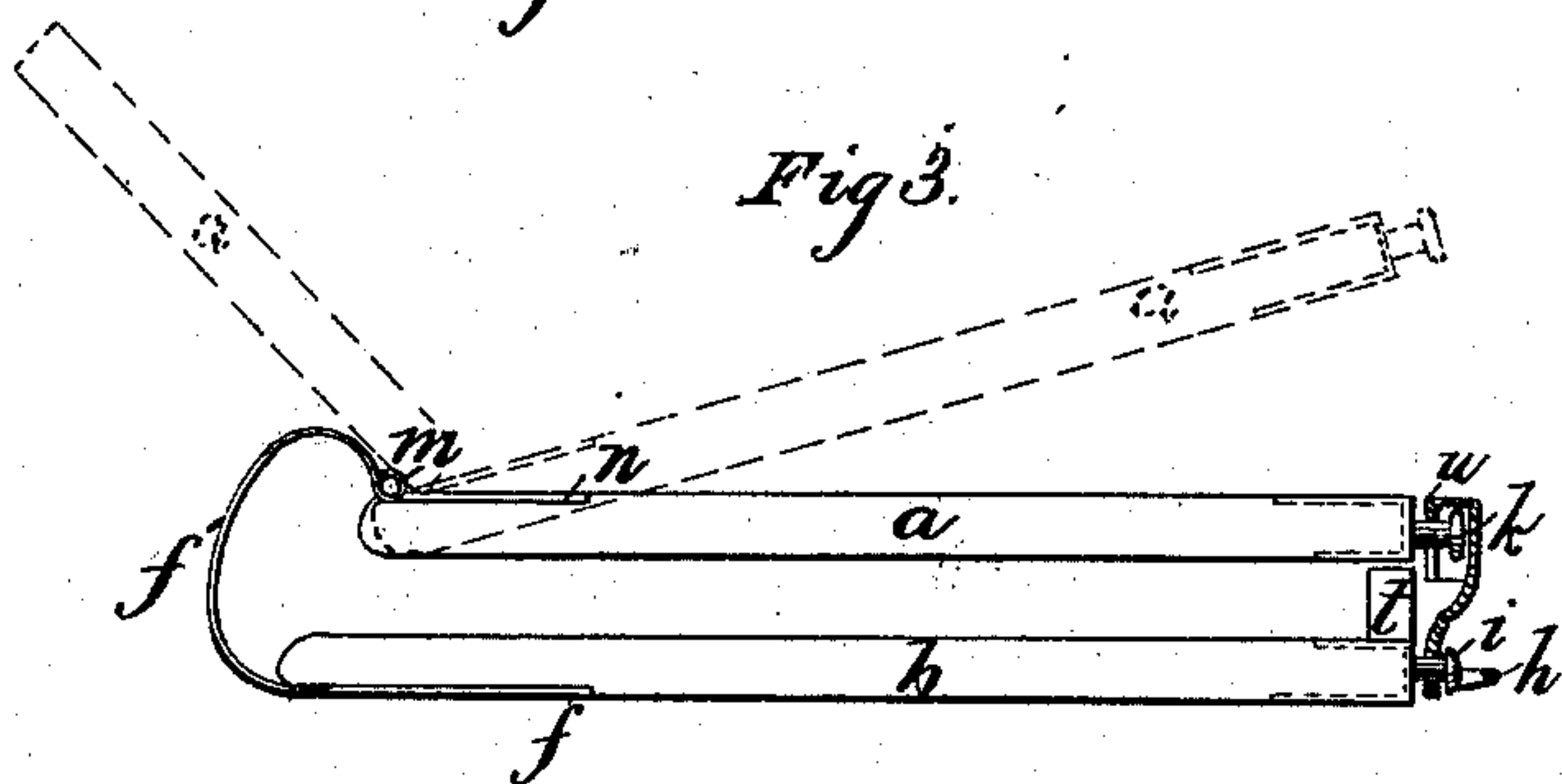


Fig. 3.

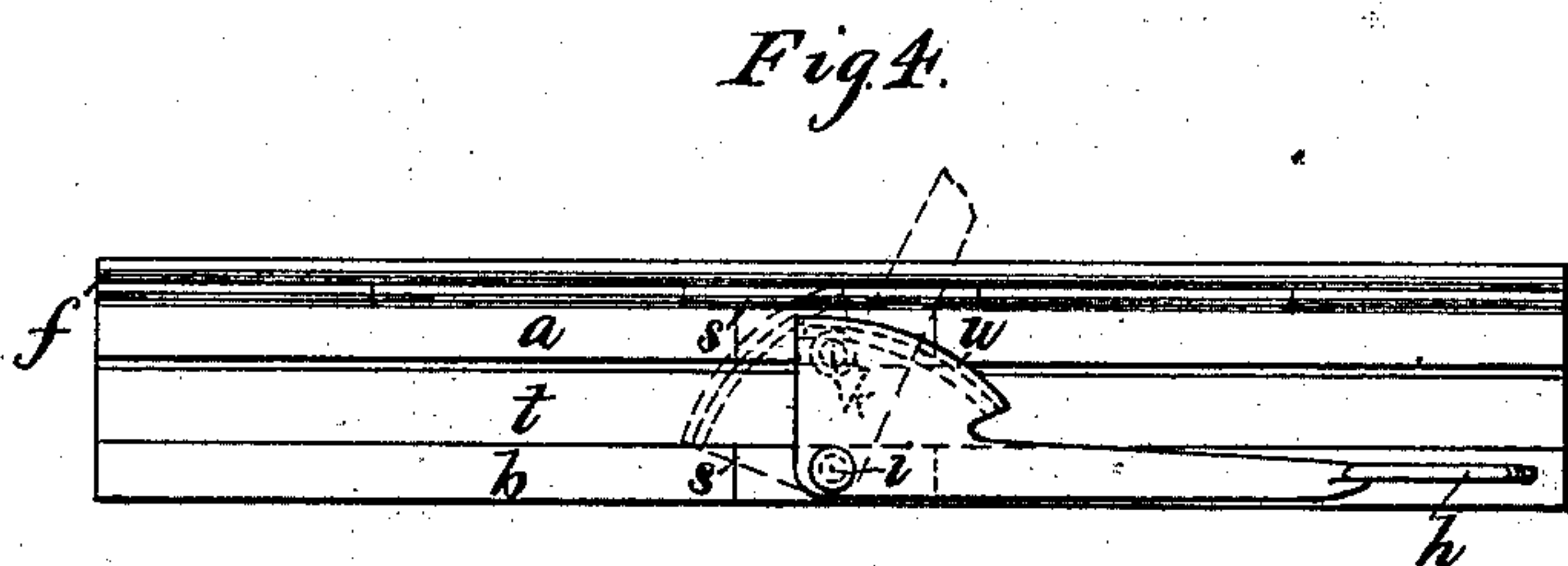


Fig. 4.

Witnesses
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ADOLF ERDMANN, OF HAMBURG, GERMANY.

COPYING-PRESS.

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Application filed December 17, 1888. Serial No. 293,826. (No model.)

To all whom it may concern:

Be it known that I, ADOLF ERDMANN, of the city of Hamburg, in the Empire of Germany, have invented a new and useful Improvement in Portable Copying-Presses, of which the following is a specification, reference being had to the accompanying drawings.

The object of the present invention is to provide a copying-press which by reason of its small weight and the small space which it occupies can be easily carried and is suitable for use by travelers.

I will first describe my invention in detail, with reference to the drawings, and afterward point out its novelty in claims.

Figure 1 in the drawings is a plan view of a press embodying the invention; Fig. 2, a side view with copying-book inserted, and Fig. 3 a side view without copying-book, showing the pressure-lever in section; Fig. 4, a front view. All of the figures show the press in a closed state.

Similar letters of reference indicate corresponding parts in the several figures.

The press is composed of a base-board or bed-plate *b*, a lid or upper plate *a*, a hinge-spring *f* at the back and a closing mechanism in front. The special novelty of the construction lies in the hinge *f*, of bow-shaped transverse section, forming the back of the press. This is firmly secured to the bed-plate *b* in any suitable manner, as by screws *g g*, Fig. 2, while it is connected with the lid *a* by a hinge-joint *m n*, so as to allow the lid to be lifted, as indicated by the dotted lines in Fig. 3.

The spring *f* is so made and devised that when the copying-book *R* is not in the press the distance between *a* and *b* along the back part is somewhat less than the thickness of the book *R*, so that after the insertion of the book and the lowering of the lid sufficient pressure is exerted by the spring *f* on the book to enable the copying to be done. In front connection is made between the plates

b and *a* by the hand-lever *h*, pivoted on the gudgeon *i* on the bed-plate *b*, said lever having the flange *u* eccentrically formed with regard to the pivotal axis *i* of the lever and adapted to engage around the pin *k* on the lid. The pins *i* and *k* are suitably affixed by metal plates *s'* and *s* on the respective parts of the press, as shown in the drawings.

When the lever *h* is lifted, as shown in Fig. 4 in dotted lines, the pin *k* is released and the lid *a* can be raised on its hinge-joint *m n*.

Instead of one pressure-lever *h*, there may be arranged two such levers and parts in front of the machine.

The plates *a* and *b* are preferably made of wood, each of several veneers glued together, the said veneers being so arranged that the grain of the wood in each crosses that of the veneer next above or below. The plate *a* may be made somewhat curved downward in the center, so that the pressure on the copying-book may be equalized throughout, since the ends of the plates are pressed down by the spring and lever, respectively.

A rail *t* is fixed along the front of the base-board or bed-plate *b*, and serves as a guide for the edge of the copying-book *R* when inserting the same in the press. The lid also rests upon this rail when the copying-book is withdrawn from the press, Fig. 3.

What I claim as my invention is—

1. In copying-presses, the combination of the base-board or bed-plate *b*, the spring *f*, affixed to said board or plate, and the plate *a*, hinged to said spring *f*, substantially as set forth.

2. A copying-press comprising a bed-plate *b*, a spring *f*, affixed thereto, a plate *a*, hinged to said spring, a pin *k*, and a pivoted lever *h*, having a flange *u*, adapted to engage on said pin, and a rail *t*, the whole combined substantially as and for the purpose described.

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Witnesses:

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