

(No Model.)

J. B. SWEM.
DUPLEX WRITING TABLE.

No. 277,959.

Patented May 22, 1883.

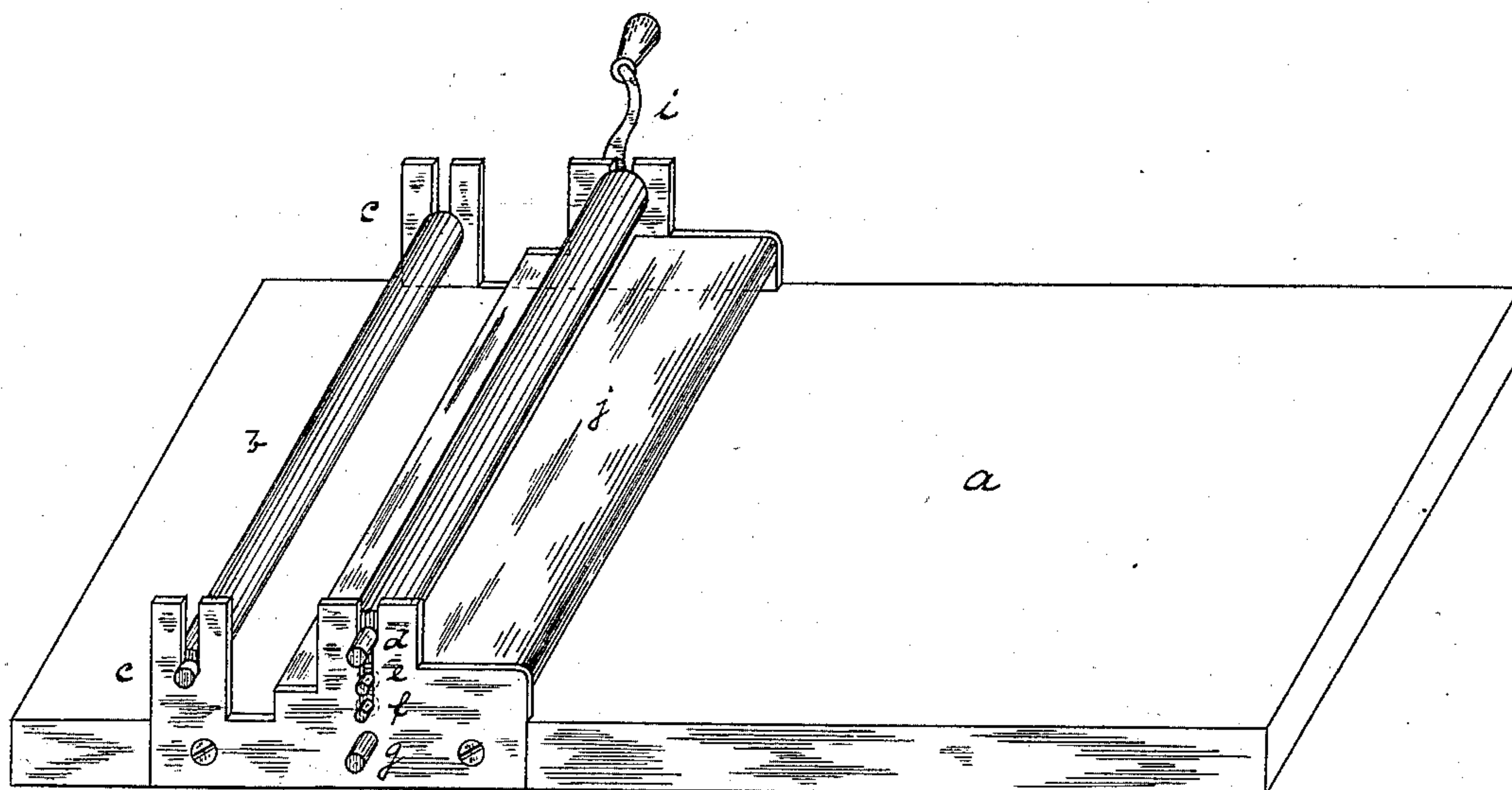


Fig. 1.

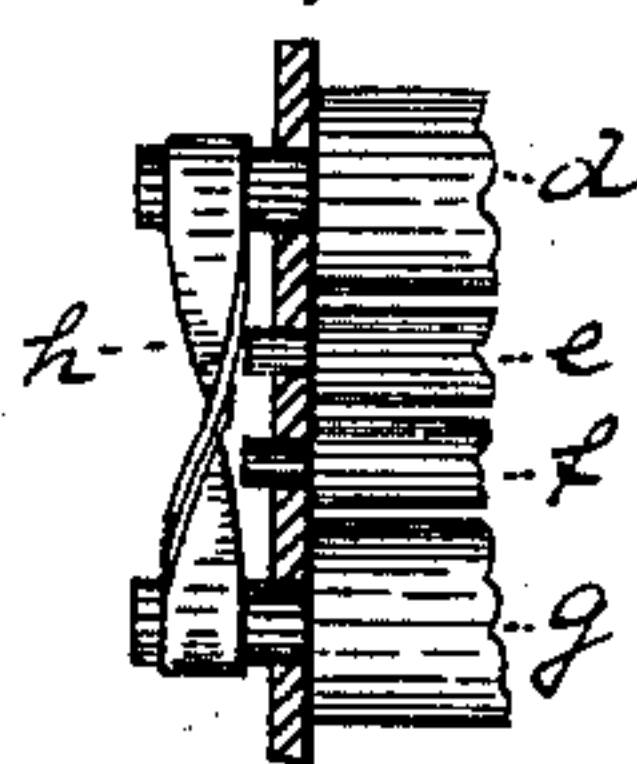


Fig. 2.

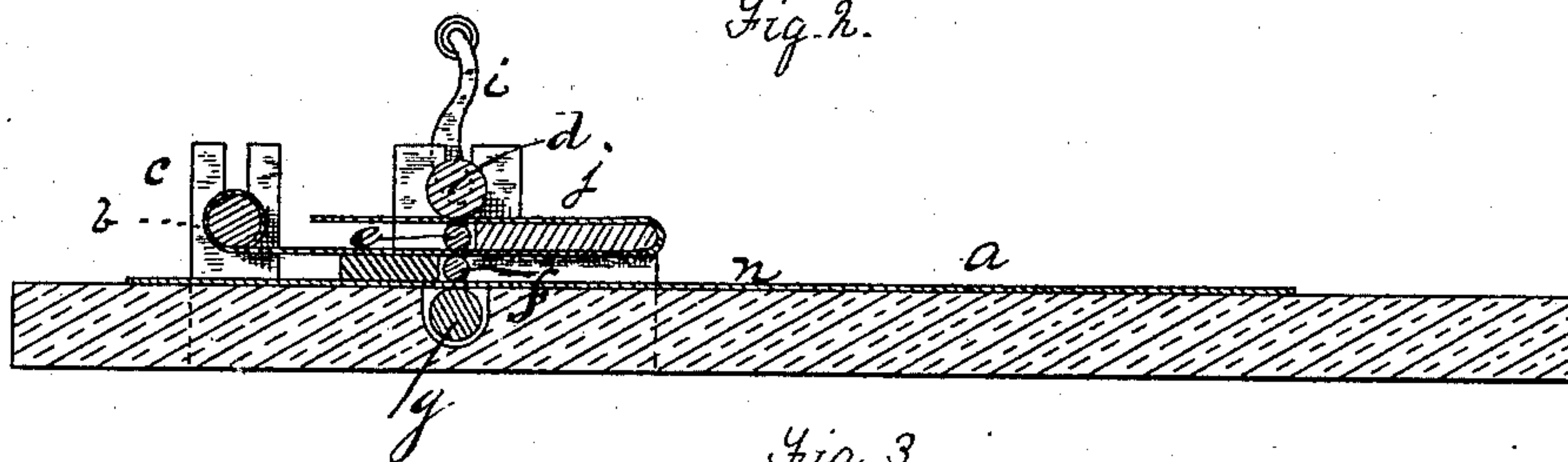


Fig. 3.

Witnesses
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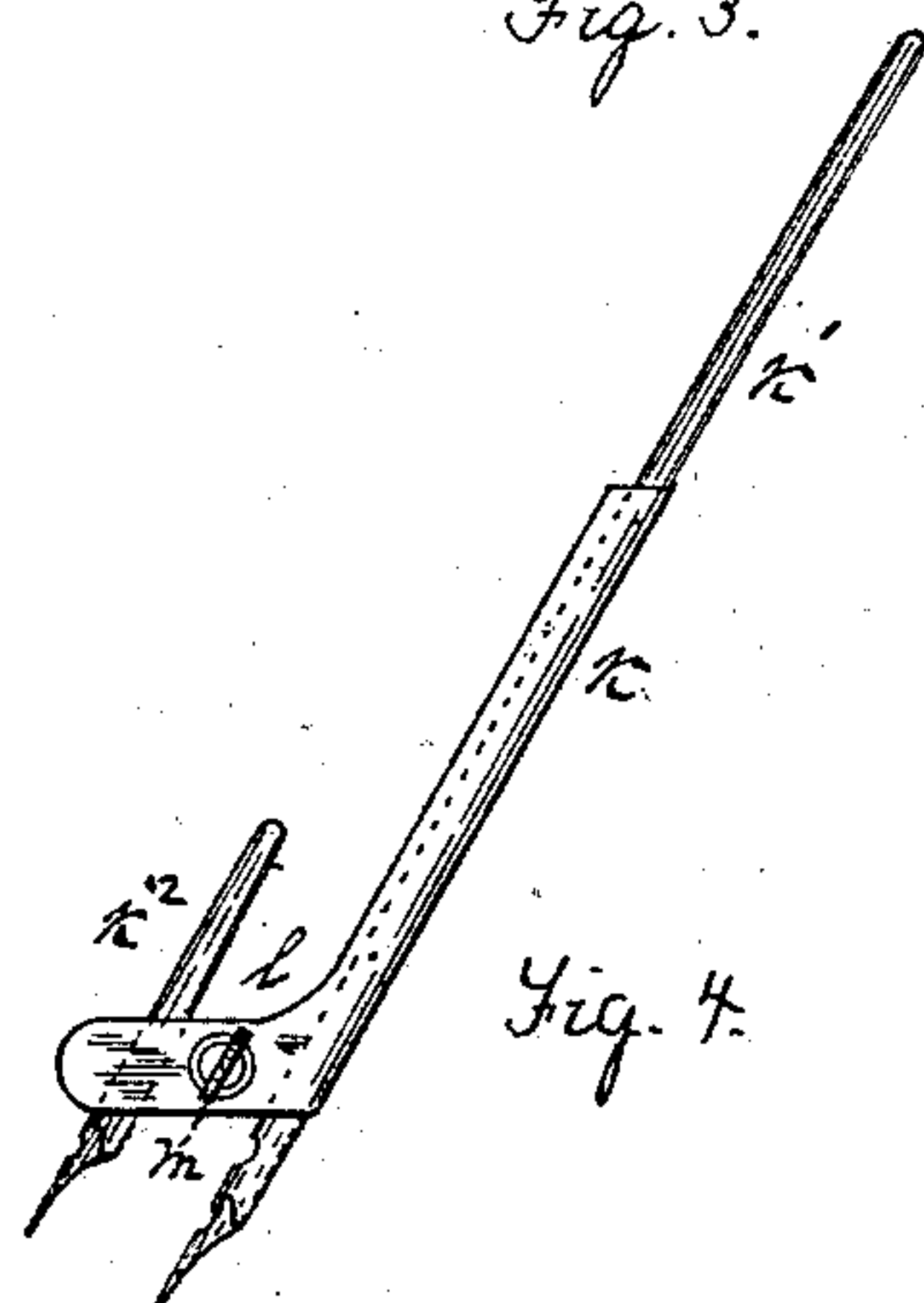


Fig. 4.

Inventor

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UNITED STATES PATENT OFFICE.

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DUPLEX WRITING-TABLE.

SPECIFICATION forming part of Letters Patent No. 277,959, dated May 22, 1883.

Application filed October 20, 1882. (No model.)

To all whom it may concern:

Be it known that I, JOHN B. SWEM, of the borough of Braddock, in the county of Allegheny and State of Pennsylvania, have invented a new and useful Improvement in Duplex Writing-Tables; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a perspective view of my improved duplex writing-board. Fig. 2 is a view of the ends of the rollers and the endless band. Fig. 3 is a sectional view, and Fig. 4 is a view of the pen.

Like letters indicate like parts wherever they occur.

My invention relates to an improved apparatus for writing, whereby two manuscripts are produced at one and the same time; and it consists in mechanism for holding and controlling two sheets of paper on different planes, so that each sheet may be presented to the pen and an exact duplicate copy be produced.

I will now describe my invention, so that others skilled in the art may manufacture and use the same.

In the drawings, *a* represents the writing-board, near one end of which is mounted the roller *b* in suitable journals, *c*. This roller carries the upper sheet of paper. In front of the roller *b* is a series of four rolls, *d*, *e*, *f*, and *g*, one resting upon the other, and the top and bottom rolls being connected by an endless band, *h*. Of these rolls the three upper, *d*, *e*, *f*, control and feed the upper sheet, which passes between them and around the upper or auxiliary table, *j*, while the two lower rolls, *f* and *g*, control and feed the lower sheet, which lies on and traverses the main table *a*. Keyed to one end of the top roll, *d*, is a crank, *i*. In front of and on a level with the lower circumference of the roll *d* is a writing table or board, *j*, raised above the board *a*.

In Fig. 4 are shown pen-holder and pens, of a character required for writing duplicates on my duplex table. This holder consists of a tube, *k*, for holding the pen and pen-holder *k'*, a clamping-arm, *l*, extending at an obtuse angle from the tube for securing the second pen, *k*², and a clamping-screw, *m*, by means of

which screw the pens may be secured in or released from the holder and may be adjusted as desired. The pen *k*² should be placed so as to write on a plane above the plane written on by the pen *k'*.

The operation of my device is as follows: A roll of paper is placed on the roll *b*. The free end of the paper is passed between the rolls *e* and *f*, over the front edge of the writing-table *j*, and then between the rolls *d* and *c* in the opposite direction. The end of another sheet of paper, *n*, resting on the table *a*, is placed between the rolls *f* and *g*. By the use of the pen-holder *k*, the pens having been first adjusted to suit the difference in the planes of the auxiliary and main table, both sheets of paper may be written on by one and the same movement of the hand, the pen *k'* writing on the sheet of paper on the table *a*, and the pen *k*² writing on the paper on the table *j*. When a line has been written, by turning the crank *i*, the several sheets of paper are caused to move between the rolls and over the tables uniform distances, and another line is written on both sheets of paper.

Although I have described my improved pen-holder as adapted to write on different planes at the same time, yet, by lengthening or lowering the forward pen, the holder is adapted to make a duplicate of the manuscript, both sheets of paper being on one and the same plane.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. In a duplex writing-table, the combination, with the main table, of an auxiliary or lesser table located in a plane parallel with the main table, and feed mechanism for feeding the sheets of paper uniformly over both tables, substantially as and for the purpose specified.

2. In a duplex writing-table, the combination of a main table, an auxiliary table arranged in a plane parallel therewith, a series of feed-rolls intersecting the planes of the two tables, and a carrier-roll for the sheet which rests upon the auxiliary table, substantially as and for the purpose specified.

3. The combination, in a duplex writing-table, of a main table, an auxiliary table arranged par-

allel with the main table, and a series of feed-rollers arranged above and below the plane of the auxiliary table to draw the sheet of paper around said auxiliary table, substantially as
5 and for the purposes specified.

4. In a duplex writing-table, the combination of a main table, having feed-rollers for feeding a sheet of paper over the same, and a superimposed parallel auxiliary or lesser table,
10 having its feed-rollers for feeding a second

sheet over the auxiliary table in unison with the movement of the sheet on the main table, substantially as and for the purposes specified.

In testimony whereof I have hereunto set my hand this 11th day of October, A. D. 1882.

JOHN B. SWEM.

Witnesses:

W. B. CORWIN,
L. C. FITLER.