

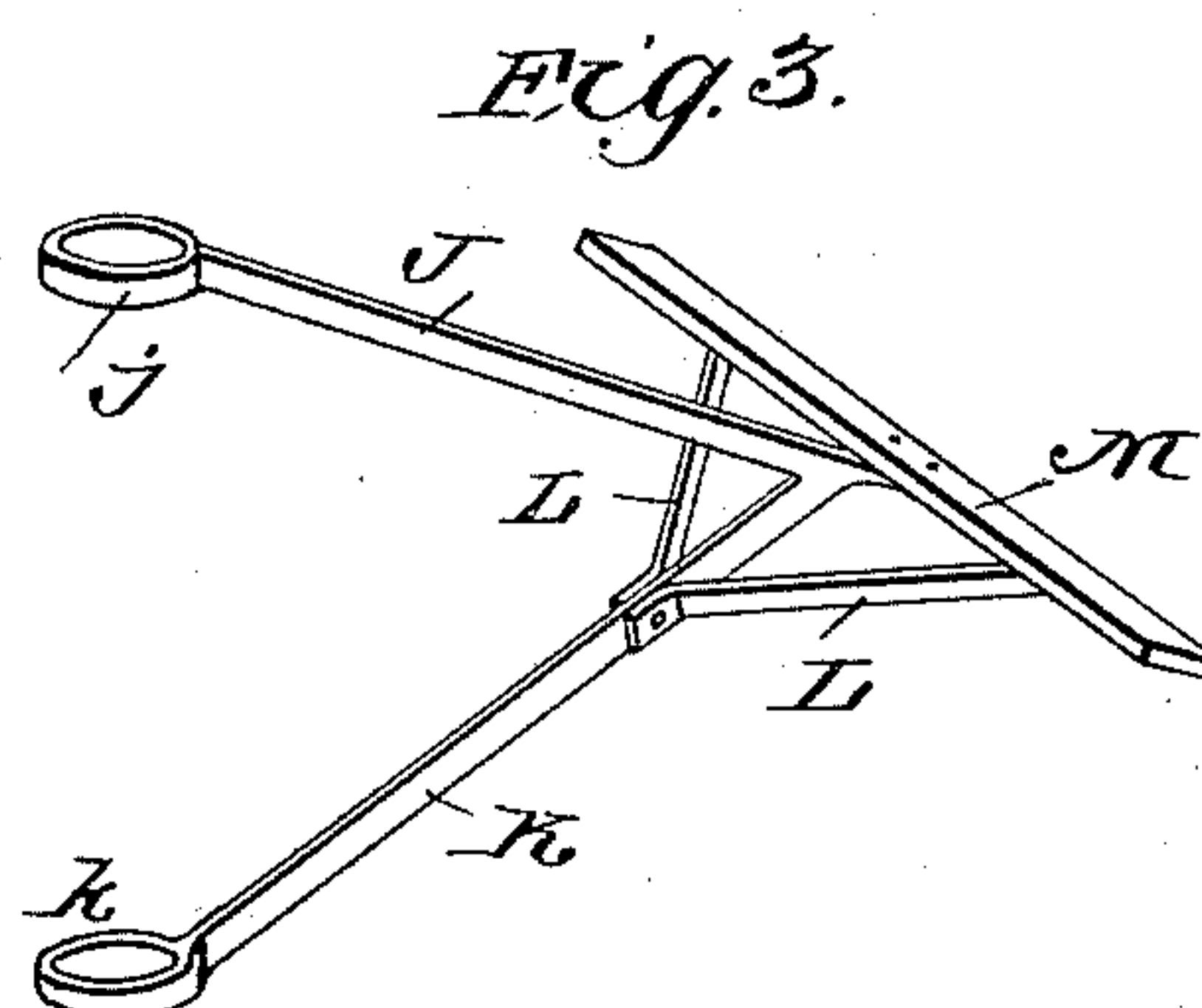
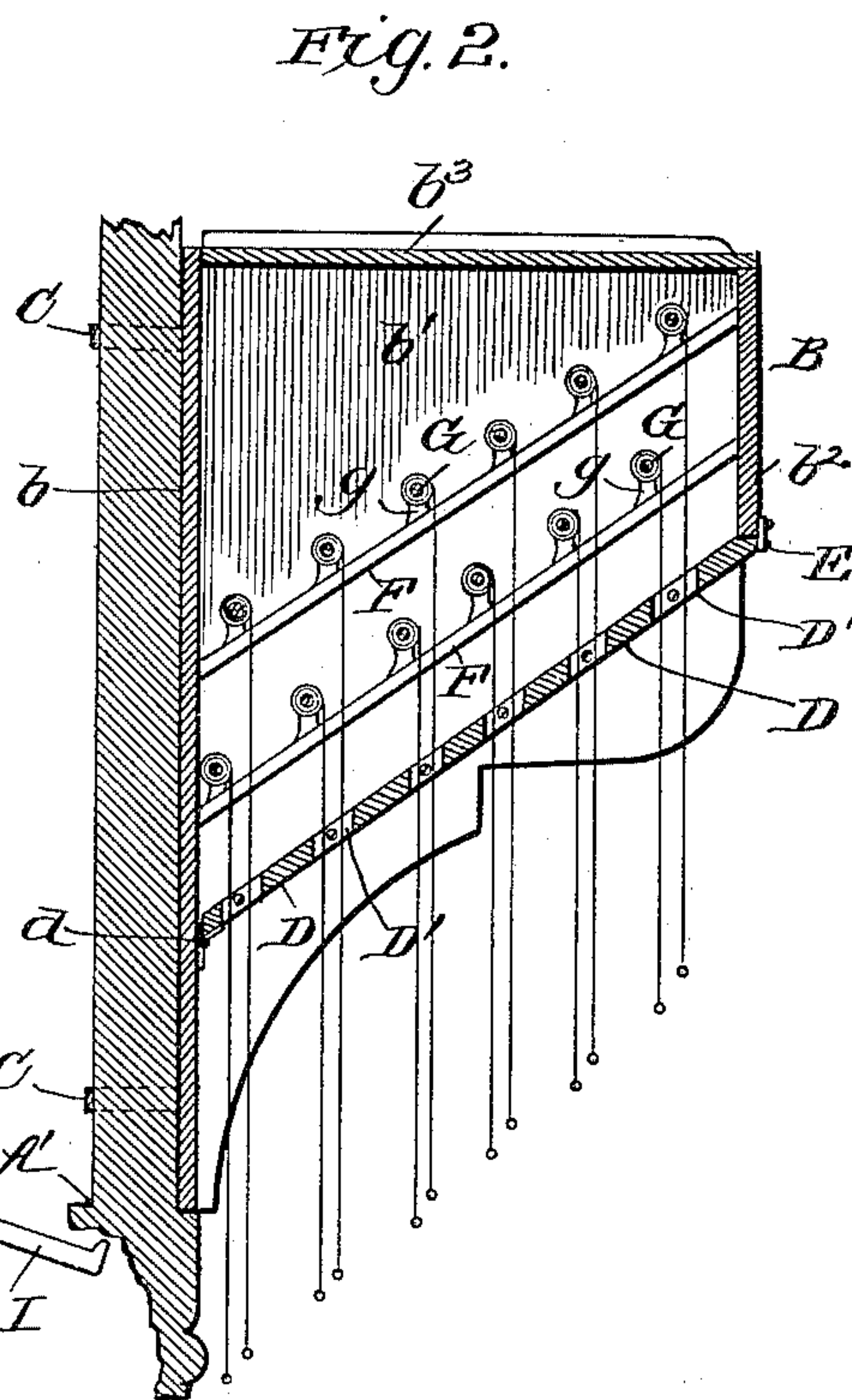
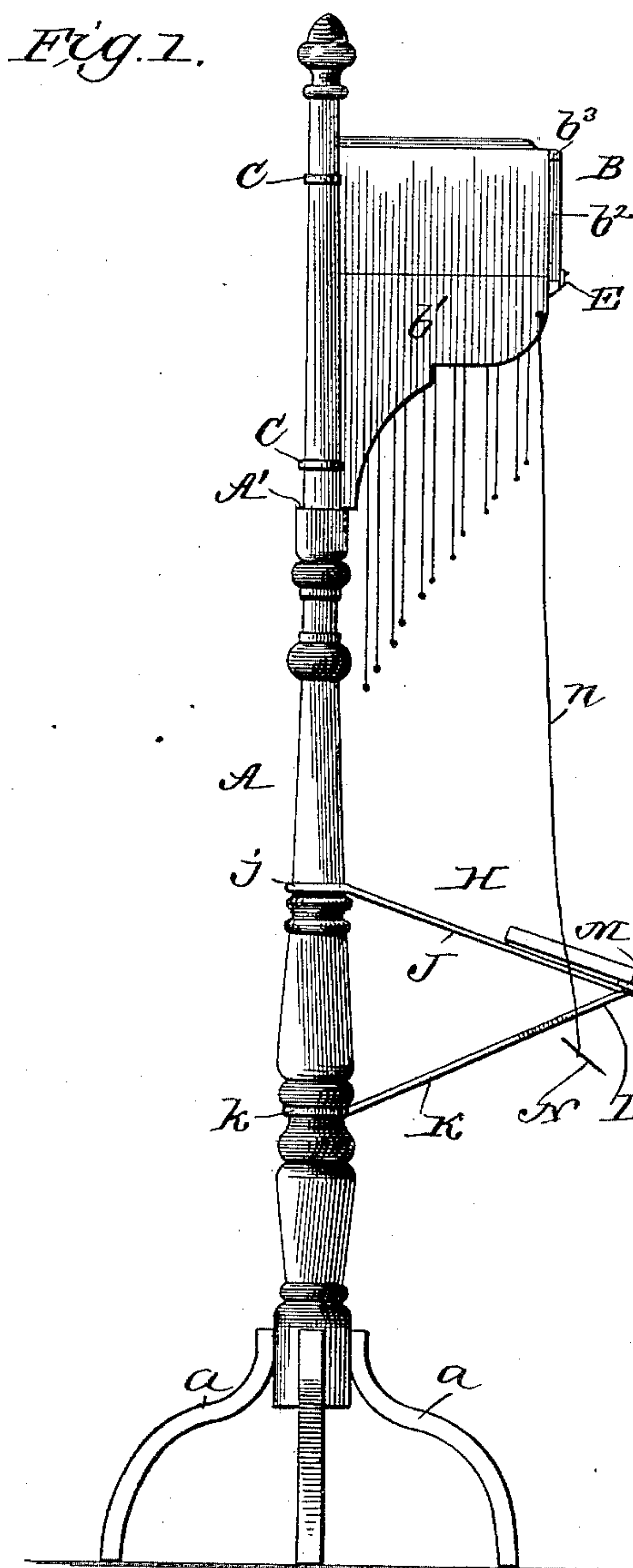
(No Model.)

2 Sheets—Sheet 1.

W. R. GARNER.
EXHIBITOR.

No. 461,869.

Patented Oct. 27, 1891.



WITNESSES:

Jos. A. Ryan
 P. B. Turpin

INVENTOR:

W. R. Garner.

BY *Memo*

ATTORNEYS

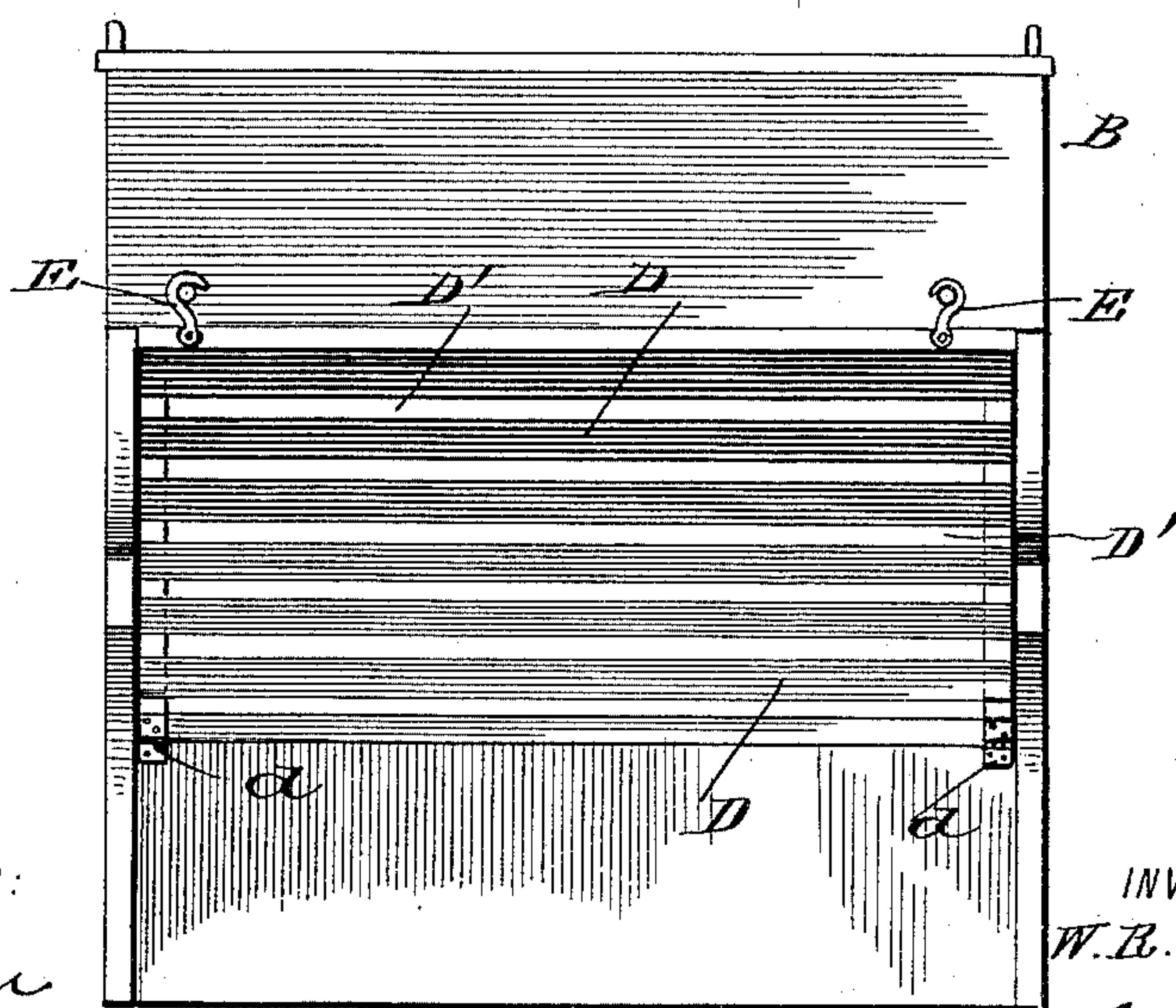
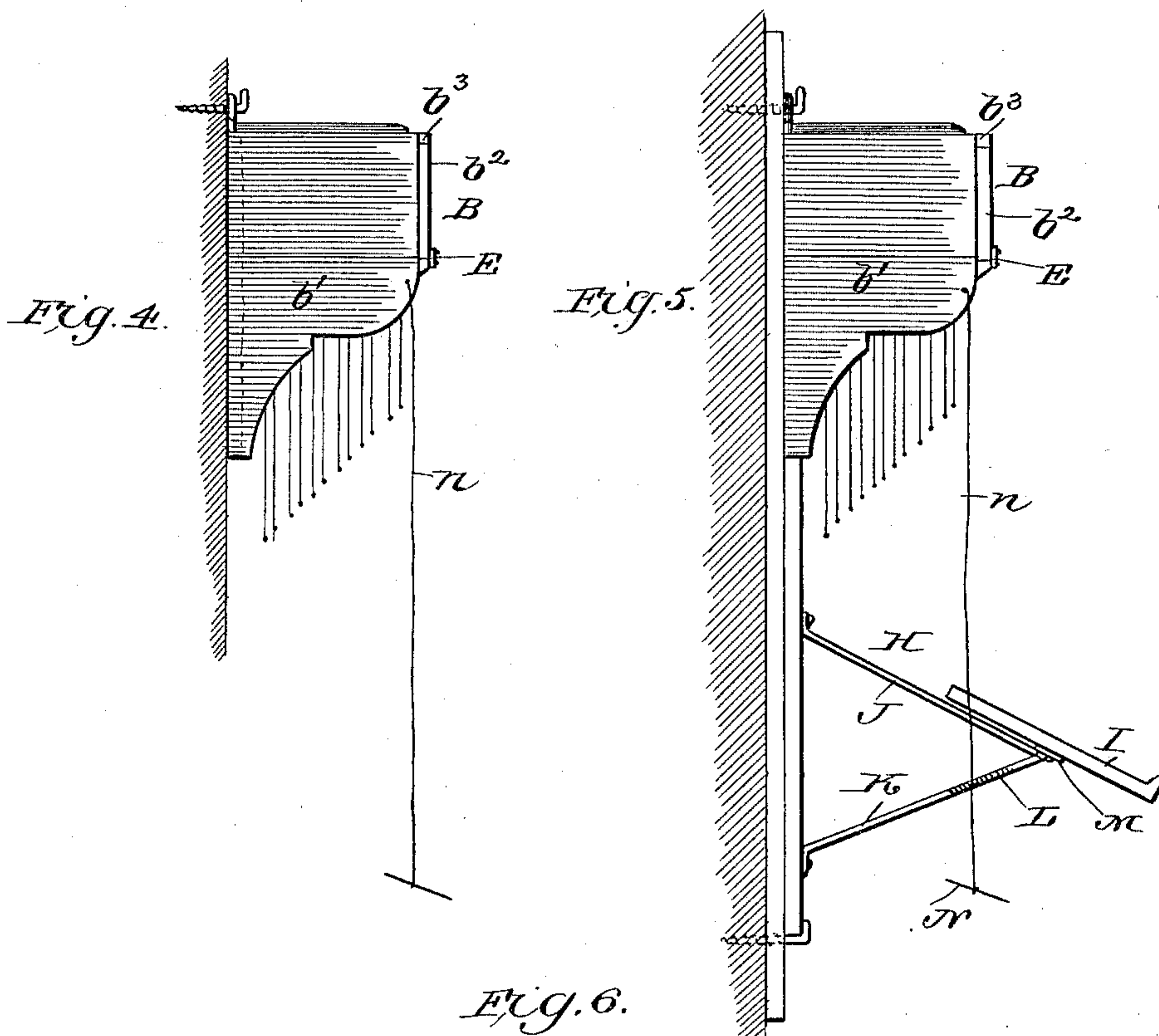
(No Model.)

2 Sheets—Sheet 2.

W. R. GARNER.
EXHIBITOR.

No. 461,869.

Patented Oct. 27, 1891.



WITNESSES:

Jos. A. Ryan
P. B. Surpin

INVENTOR:

W. R. Garner.

BY

Wm. L.

ATTORNEYS

UNITED STATES PATENT OFFICE.

WILLIAM R. GARNER, OF GALVESTON, TEXAS, ASSIGNOR OF TWO-THIRDS TO
JAMES T. TENGELSEN AND JOHN CASTBERG, OF SAME PLACE.

EXHIBITOR.

SPECIFICATION forming part of Letters Patent No. 461,869, dated October 27, 1891.

Application filed December 2, 1890. Serial No. 373,380. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM R. GARNER, of Galveston, in the county of Galveston and State of Texas, have invented a new and useful Improvement in Calculating-Stands, of which the following is a specification.

This invention is an improved stand intended especially for supporting a number of calculating-tables; and the invention consists in certain novel constructions and combinations of parts, as will be hereinafter described, and pointed out in the claims.

In the drawings, Figure 1 is a side view of a stand constructed according to my invention. Fig. 2 is a vertical section of the sheet-holder. Fig. 3 is a detail view of the frame for supporting the desk. Figs. 4 and 5 show slightly different constructions of stand from Fig. 1, and Fig. 6 is a front view of the sheet-holder.

The improved apparatus comprises the sheet-holder, a support to which such sheet-holder is secured, and a desk held to such support and arranged below the sheet-holder.

In the construction shown in Fig. 1 the support A is an upright post having suitable legs or feet *a* and provided with an upward-facing shoulder A'. The sheet-holder B has a case provided with a back board *b*, arranged at its lower edge to bear upon the shoulder A' and provided with rings C C, encircling the upright A and holding the support B thereto, the said support resting upon the shoulder A' and being free to turn upon the post, as will be readily understood. The holder B also has side boards *b'*, a front *b²*, a top *b³*, and a bottom cover D, the latter being hinged at *d*, so it may be opened and closed, and being provided with a fastening or fastenings E, by which it may be secured closed. This bottom D also has slots D' for the passage of the sheets presently described. Within the holder B and secured to the inner sides of the side boards *b'* I provide bars or cleats F, two on each side and arranged one above the other and inclining upward from their inner to their outer ends. The brackets *g* for rollers G are secured to these cleats F, the rollers of the upper and lower series being arranged alternately, so that the sheets from

the upper rollers will pass down between the lower rollers, as shown. These rollers G are of the ordinary curtain-spring-roller type, and need no detailed description herein.

The bottom cover, as shown, has slots for the passage of the sheets, so that the latter may be conveniently drawn down through the bottom cover, when desired. At the same time the said cover may be conveniently opened to permit access to the rollers or for any other purpose desired.

The sheets contain made-up calculations, which may be the price for freighting the various quantities of stuff at different rates per hundred pounds, and prices on various commodities per pound, and may be used for any other commercial or other calculations per hundred pounds and per pound which may be frequently needed in the particular business for which the calculators are intended.

The desk H is supported below the sheet-holder and comprises the desk-board I, the upper supporting-bar J, the lower supporting-bar K, and the brace-bars L. The bars J and K are secured at one end to the desk-board I and have at their opposite ends rings *j* *k*, the axis of which are in alignment, and said rings being journaled upon the upright post, so that the desk may, like the sheet-holder, be adjusted rotarily upon the post. It will also be noticed that the adjustment of the sheet-holder is independent of that of the desk, so that the said parts may be readily adjusted to any desired relation, as will be readily understood. The braces L are secured at one end to the lower supporting-bar K and extend thence upward and outward and connect at their upper ends with the desk-board, as shown. By preference a bar M is provided, which is secured to the under side of the desk-board, and to which bar are secured the outer ends of bars J K and the upper ends of the bars L L, such bar M serving as a connection between such ends of the said bars, as shown.

A pencil or stylus N is connected by a cord with the sheet-holder and will be found useful in pointing and following the lines of the sheets in the holder.

Manifestly instead of supporting the holder

and desk upon a post, as shown in Fig. 1, the sheet-holder may have its back board secured against a wall, as shown in Fig. 4, or the sheet-holder and desk may both be secured to a back board, and the latter be supported by hooks against the wall, as shown in Fig. 5.

Having thus described my invention, what I claim as new is—

1. In an apparatus substantially as described, the combination of the support, the sheet-holder having its casing secured to said support, the desk-board arranged below said sheet-holder, and the supporting-bars J and K, said bars being arranged one above the other and secured at their outer ends to the desk-board and at their opposite or inner ends to the support, all substantially as and for the purposes set forth.

2. In an apparatus substantially as described, the improved sheet-holder consisting of the casing having an open bottom, the rollers journaled in said casing, the sheets depending from said rollers and the bottom piece having slots through which said sheets pass, such bottom piece being hinged at one edge, whereby it may be opened to permit access to the rollers, and latch devices for securing the said bottom closed, substantially as and for the purposes set forth.

3. In an apparatus substantially as described, the combination of the post, the sheet-

holder projecting to one side only of the post and journaled at its inner edge to the post, whereby it may be revolved thereon, and the desk projecting to one side only of the post and journaled at its inner edge thereto, said desk being arranged below the sheet-holder and adapted to be revolved independent of the said holder, whereby the said desk and holder may be adjusted one below the other on the same side of the post or on diametrically-opposite sides of the post, all substantially as and for the purposes set forth.

4. The improved apparatus herein described, consisting of the post having an upwardly-facing shoulder A', the sheet-holder having its casing supported at its lower rear edge upon said shoulder and its back board fitted against the post above said shoulder, the ring secured to said casing and encircling the post above the shoulder A', and the desk composed of the board and the bars J K, secured at their outer ends to the desk-board and provided at their opposite or inner ends with rings encircling the post below the shoulder A', all substantially as and for the purposes set forth.

WILLIAM R. GARNER.

Witnesses:

J. CASTLEMAN,

A. L. WESTGARD.