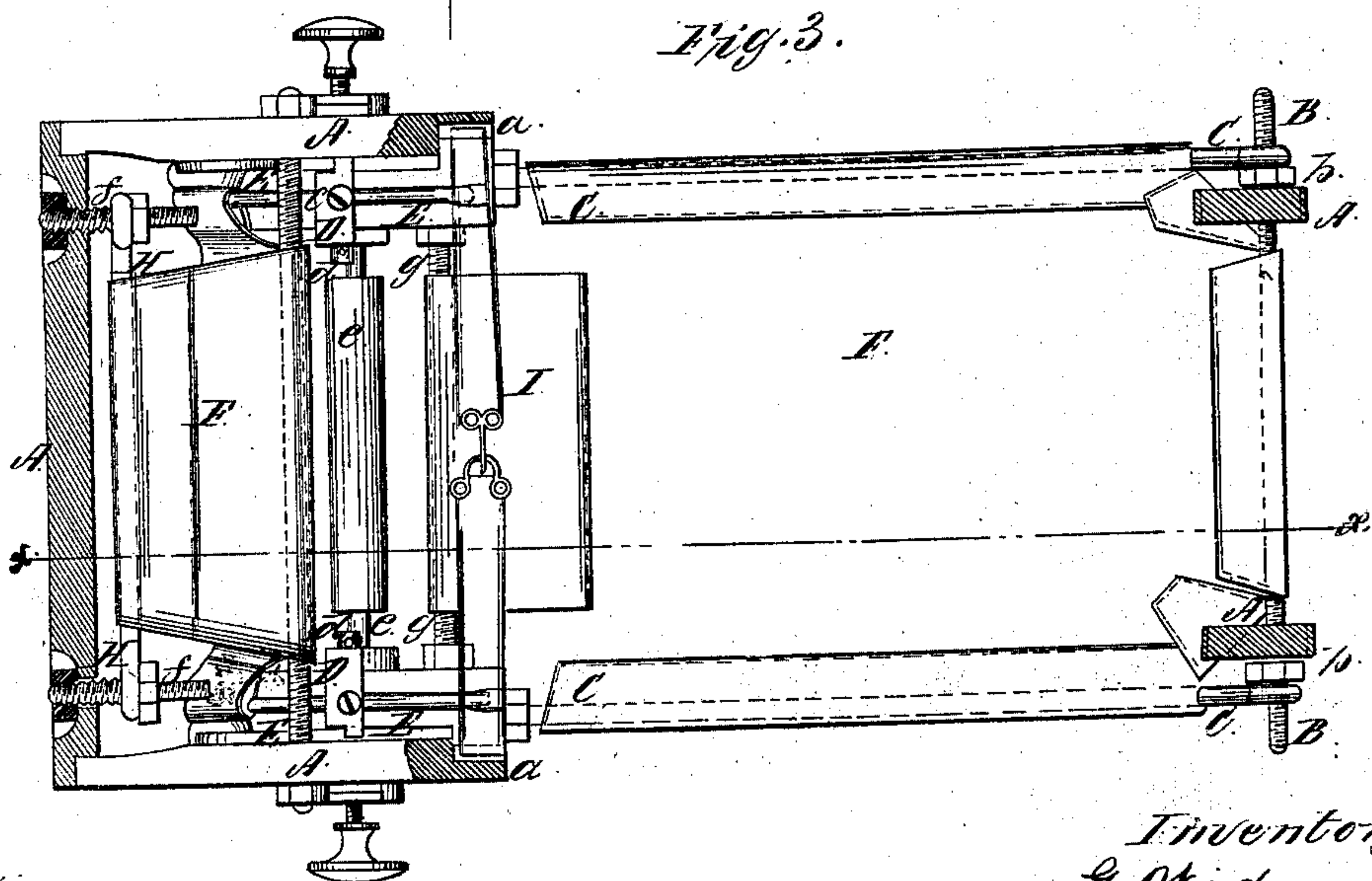
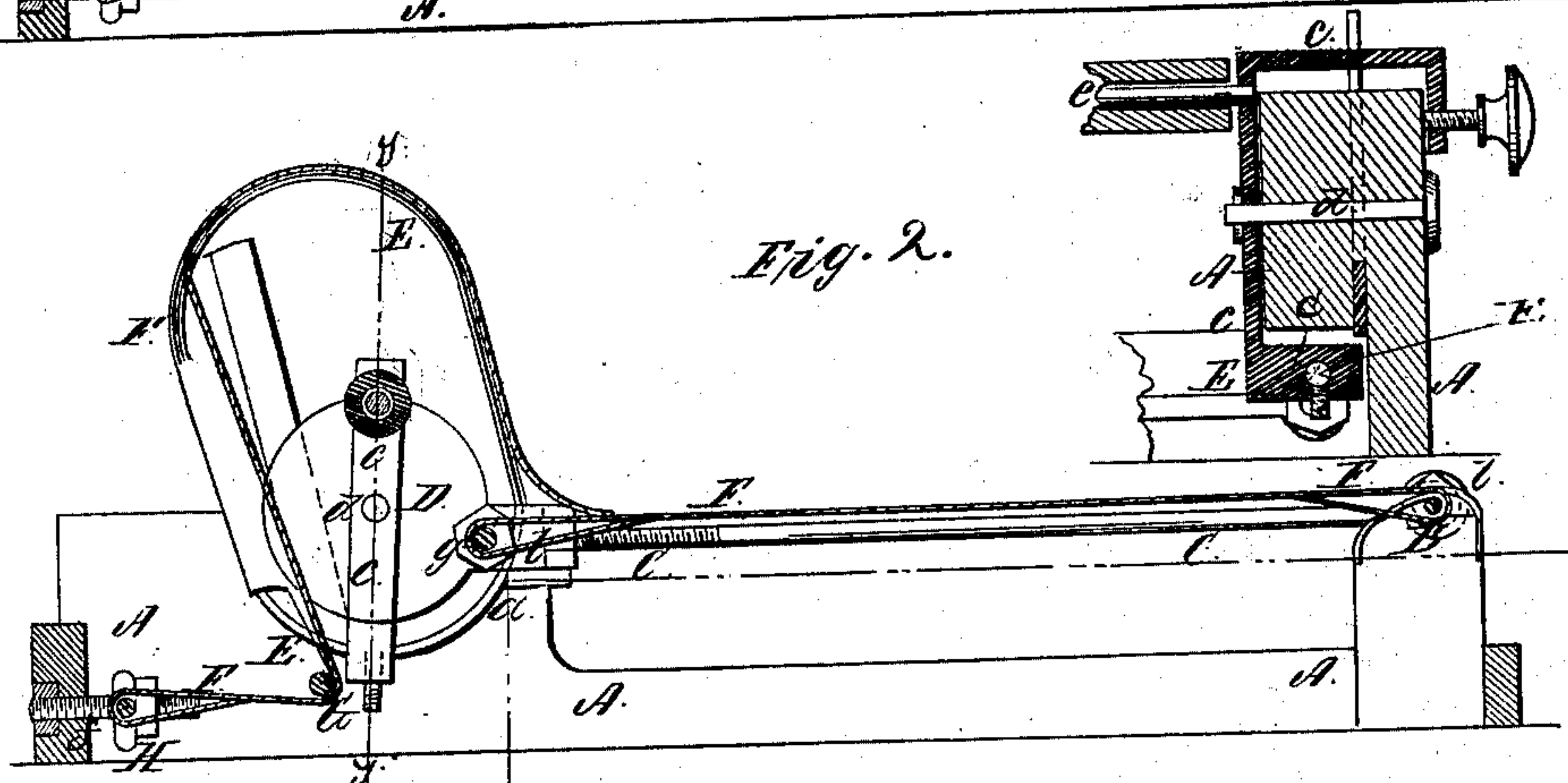
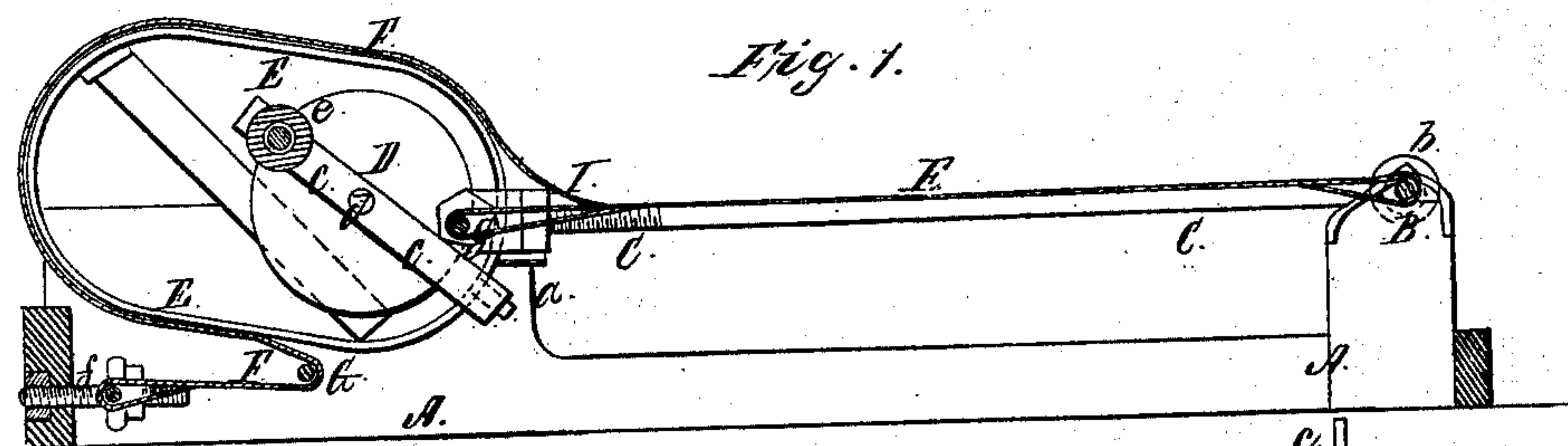


*A. Widmer,*  
*Invalid Bedstead,*  
*N<sup>o</sup> 77,856. Patented May 12, 1868.*



*Witnesses:*  
*Dr. C. Ashkettle*  
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# United States Patent Office.

GODFREY WIDMER, OF NEW YORK, N. Y.

*Letters Patent No. 77,856, dated May 12, 1868.*

## IMPROVED ADJUSTABLE COUCH.

*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, GODFREY WIDMER, of the city, county, and State of New York, have invented a new and improved Adjustable Couch; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 represents a longitudinal vertical section of my improved couch, the plane of section being indicated by the line *x x*, fig. 3.

Figure 2 is a similar view of the same, showing the head-rest in a different position.

Figure 3 is an inverted plan view of the same.

Figure 4 is a detail vertical transverse section of the same, taken on the plane of the line *y y*, fig. 2.

Similar letters of reference indicate corresponding parts.

This invention relates to a new couch, which is provided with an adjustable head-rest, so that it can be adapted to any desired position of the body.

The invention consists of a longitudinally and transversely-adjustable frame, upon which a sheet of canvas or other fabric is stretched, and of a frame, swinging within a fixed frame, and projecting above the same, so as to elevate the canvas, and to form the head-rest of the couch.

The swinging frame is eccentric, so that by turning it, the head-rest will be raised more or less.

This invention is particularly adapted to be used during the summer season, and in southern climates, as the stretched sheet of canvas forms an elastic and strong bottom, under which, owing to the absence of supporting springs or laths, a current of fresh air can freely pass.

A, in the drawing, represents a rectangular or other frame, made of wood or other suitable material, of suitable dimensions. In the foot-end of the same is arranged, through slots, a cross-bar or rod, B, on the ends of which screw-threads are arranged, as shown.

C C are longitudinal rods or bars, screwed, at the upper end, into uprights *a a* of the frame, and fitted with their lower ends, on which eyes are arranged, over the ends of the rod B, respectively, as is clearly shown in fig. 3.

By means of nuts *b b*, on the rod B, the rods C can be adjusted any suitable distance apart, and by screwing the rods C more or less into the uprights *a*, the bar B can be moved in the slots in which it rests.

In the frame A is, near the head-end of the same, pivoted a turning-frame, D, which consists of two arms or plates, *c c*, pivoted to the opposite sides of the frame A, by means of pins *d d*, that are in line with each other. The arms *c* are connected with each other by means of a bar, *e*, and carry each an eccentric or oval wire ring, E, as is clearly shown in the drawings.

F is the canvas or other sheet, which forms the bottom of my couch. The sides of this sheet, as well as its ends, are hemmed, and the sides are fitted around the rods C, and partly around the rings E, as shown in figs. 1 and 2, while the lower end is fastened around the bar B, and the upper end, beyond the rings E, is passed under a fixed rod, G, and fastened to a bar, H, which is, by means of screws *f f*, adjustable towards and connected with the upper cross-bar of the frame A.

By means of the screws *f* the canvas can be stretched lengthwise, and by means of the nuts *b*, transversely.

By being fastened to the rings E, the canvas is raised at the head of the frame, so as to form the head-rest of the couch; and by turning the said rings around the axles *d*, the head-rest can be raised or lowered at will, as is clearly indicated in figs. 1 and 2; the latter figure showing the head-rest as high, and the former as low as it can be set.

To hold the canvas down in front of the head-rest, a strap, I, is fastened to its under side, and secured to a cross-bar, *g*, of the frame A, as shown.

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

1. A couch, consisting of a canvas or other sheet, F, which is fitted over an adjustable frame, B C H, so that it can be stretched in either direction, as set forth.
2. The eccentric-rings E E, when arranged as described, so that they serve to elevate the sheet F, to form the head-rest of the couch, when said rings are adjustable around a common axis, as set forth.
3. The strap I, arranged on the under side of the sheet F, in front of the head-rest, substantially as and for the purpose herein shown and described.

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Witnesses:

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