

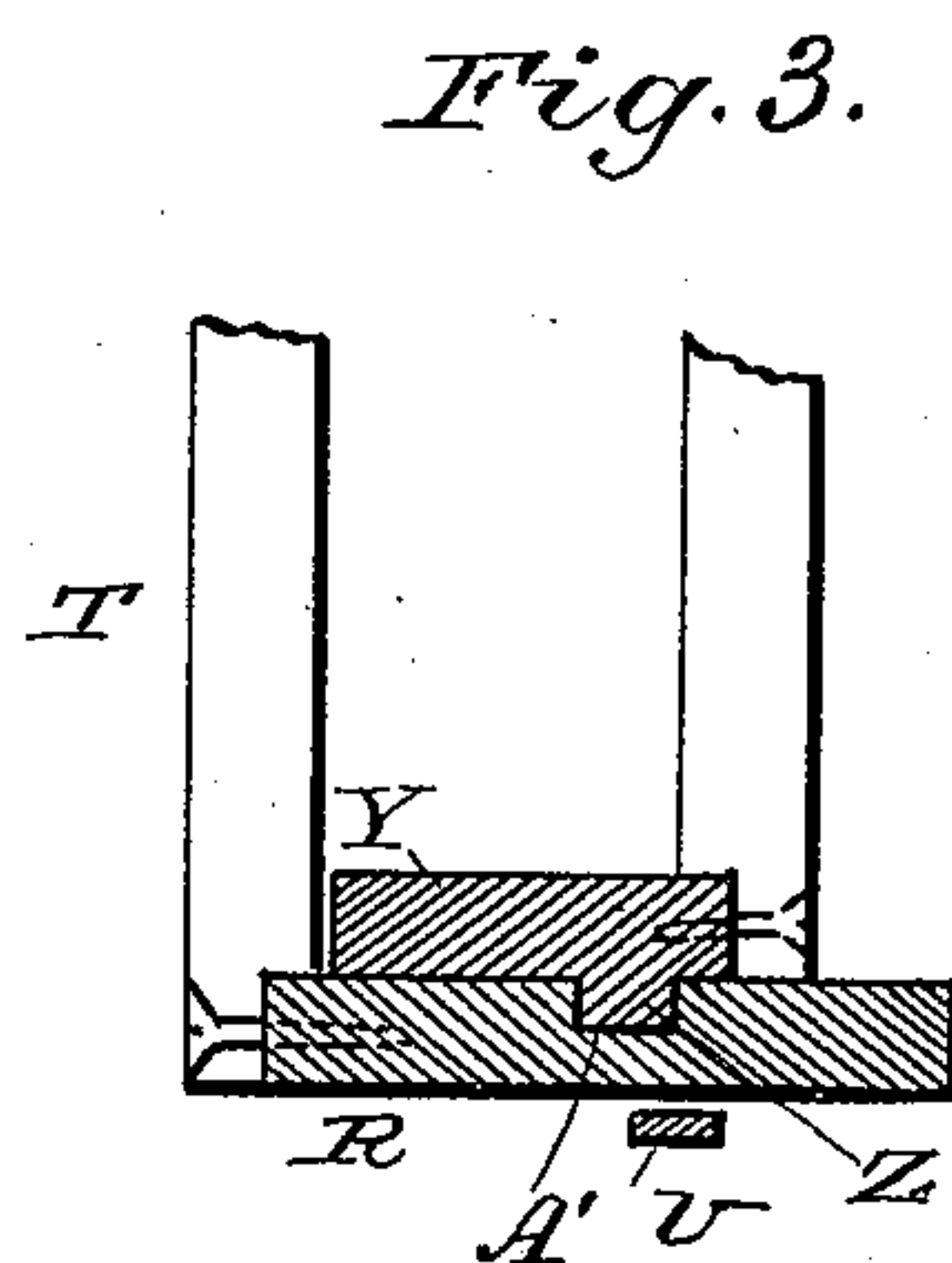
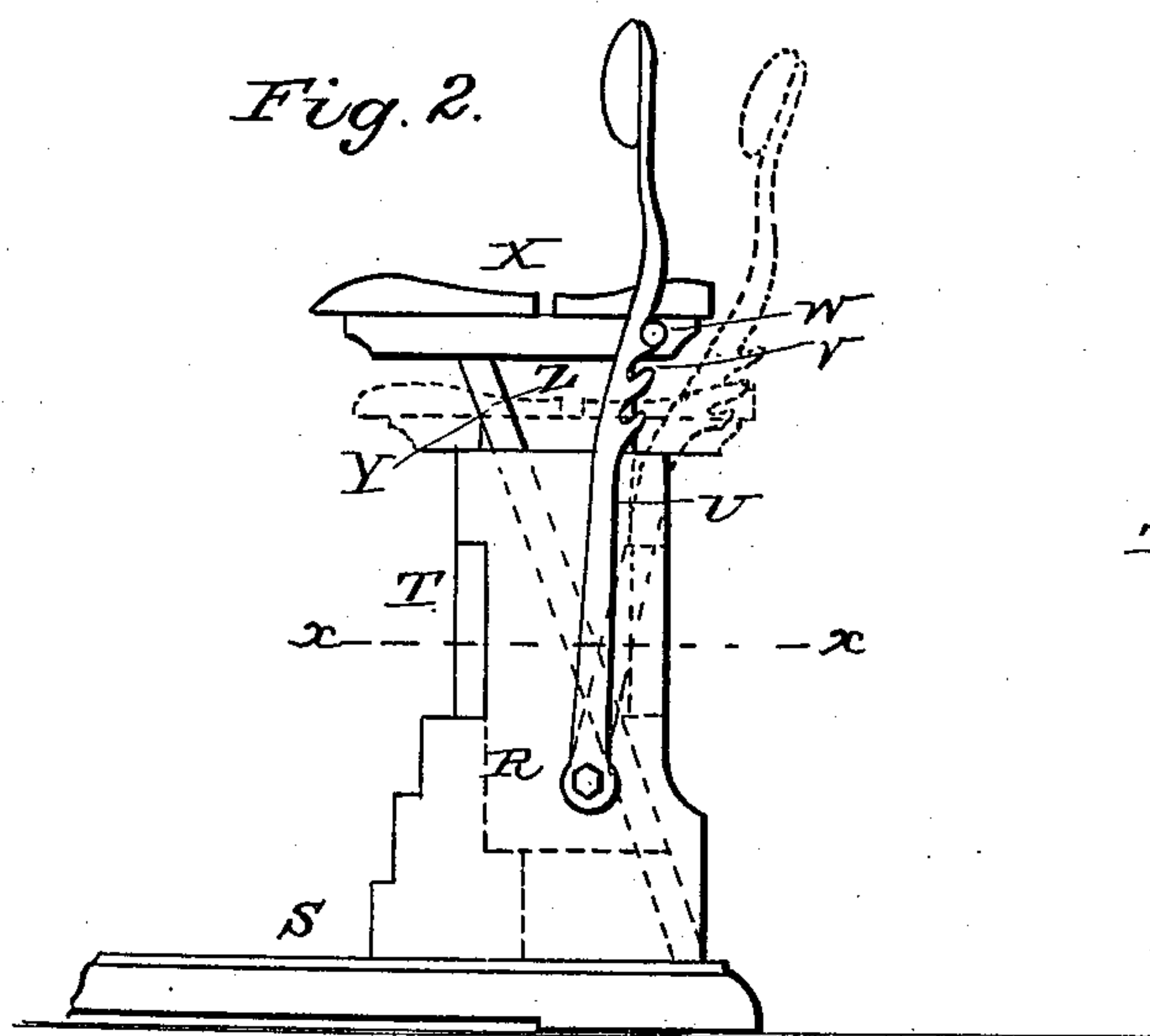
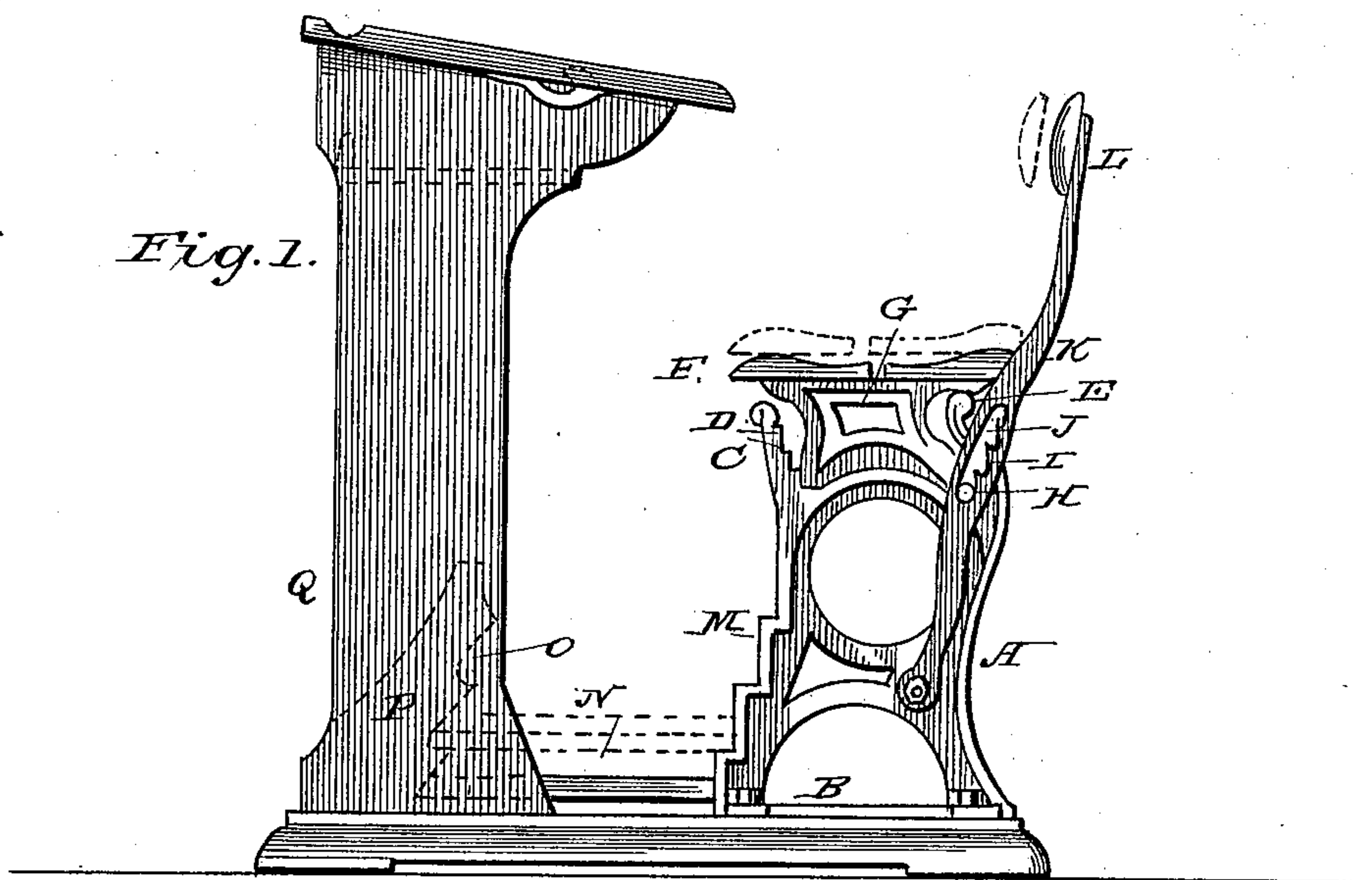
(No Model.)

J. PEDERSEN.

ADJUSTABLE SCHOOL SEAT AND SETTEE.

No. 321,242.

Patented June 30, 1885.



WITNESSES:

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JOHANNES PEDERSEN, OF COPENHAGEN, DENMARK.

ADJUSTABLE SCHOOL SEAT AND SETTEE.

SPECIFICATION forming part of Letters Patent No. 321,242, dated June 30, 1885.

Application filed September 27, 1884. (No model.)

To all whom it may concern:

Be it known that I, JOHANNES PEDERSEN, residing at No. 3 Hallinsgade, in the city of Copenhagen and Kingdom of Denmark, have
5 invented certain new and useful Improvements in Adjustable School Seats or Settees; and I do hereby declare that the following is a full, clear, and exact description of the invention,
10 which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a side view of a school-seat embodying my improvements. Fig. 2 is a side
15 view illustrating a modification in the construction of the same, and Fig. 3 is a horizontal sectional view taken on the line *xx* in Fig. 2.

The same letters refer to the same parts in
20 all the figures.

This invention relates to adjustable school seats or settees; and it has for its object to provide a device in which the seat and back, as
25 well as the foot-rest, shall be adjustable to suit the size or height of the scholars.

With these ends in view the invention consists in the improved construction and arrangement of parts, which will be hereinafter fully
30 described, and particularly pointed out in the claims.

In the drawings hereto annexed, Fig. 1 illustrates a school-seat embodying my improvements, and the frame of which is constructed
35 mainly of iron. The sides A, which are suitably secured to a base, B, are constructed with brackets C, projecting forwardly from their upper corners and having a series of steps, D, upon their inner or rear sides. The rear
40 corners of the sides A are likewise constructed with forwardly-extending guide arms or brackets E.

The seat F, which may be of a length to accommodate one or more scholars, may be constructed of wooden slats secured upon metallic frames
45 G, the lower front corners of which are adapted to rest upon the steps D of the uprights A, while their lower rear corners are provided with laterally-extending studs or lugs H, adapted to rest in notches I in the rear side of a slot,
50 J, formed in a lever, K, which is pivoted to the outer side of each of the uprights A, the said

studs or lugs bearing against the forwardly-projecting guide-arms E and preventing the seat from sliding backward off the steps D. The back L is secured to the upper ends of the
55 levers K, which are thereby connected and braced.

The front sides or edges of the uprights A are provided with steps M M, adapted to support the inner ends or edges of the foot
60 boards or rests N N, the front or outer edges of which are supported in a series of notches, O, formed in brackets P, attached to the desk-standards Q.

It will be seen that by the construction above
65 described the seat of the bench or settee may be easily raised or lowered at will, and the back be simultaneously thrown in a rearward or forward direction, as the case may be. Thus in order to raise the seat it is only nec-
70 essary to move the lugs H into a notch, I, above the one in which they were previously located, and to raise the front ends of the frames G to a correspondingly higher step. The seat will
75 then be retained securely in position until its rear edge is again raised for the purpose of placing it at a different height. The method of adjusting the foot-board is obvious, when
reference is had to the drawings.

In Figs. 2 and 3 I have shown a modifica-
80 tion, which mainly consists in applying my improved principle of construction to a school-desk made mainly of wood, with such changes of construction only as are necessitated by the
85 change of material.

R R designate the side pieces or uprights, which are secured to the base S, and connected by a transverse brace, T, in front. The
90 outer sides of the said uprights have pivoted levers U, with notches V, to receive the pins or studs W at the ends of the seats. The latter, which are designated by X, are provided
95 with downwardly-extending brackets Y, the outer sides of which have inclined flanges Z, fitting in the corresponding grooves, A', formed in the inner sides of the uprights R. The
brackets Y are connected by braces B'. Adjustable foot-boards are provided, as in the
100 construction above referred to, and the method of adjustment is substantially the same.

From the foregoing description, taken in connection with the drawings hereto annexed,

the operation and advantages of this invention will be readily understood.

The construction is simple and effective, and it will be seen that the movement of the seat
5 in an upward direction causes the movement of the back in a forward direction, while the foot-board may be adjusted so as to suit the position of the back and the seat.

I am aware that it is not new, broadly, to
10 have the seat adjustable vertically and forwardly simultaneously, and I am also aware that it is not new to have a foot rest or board which may rest upon one set of a series of steps, and I do not therefore wish to make any
15 broad claims for this construction; but

What I claim as my improvement, and desire to secure by Letters Patent of the United States, is as follows:

1. In a school-seat, the combination, with a
20 seat adjustable vertically and forwardly at the same time, as shown and described, and provided with laterally-projecting lugs, of a back having its side pieces pivoted at their lower ends to rock in a vertical plane and provided

with a series of steps engaged by the lugs up- 25
on the seat, whereby the back may be swung forward to support the seat as the latter is raised and brought forward, substantially in the manner and for the purpose shown and described. 30

2. In a school-seat, the combination of the side uprights having brackets provided with steps, as described, and with forwardly and upwardly extending guide arms or brackets at the upper rear corners, the back levers 35
having notched slots, and the seat-frames adapted to rest in the stepped brackets and having studs adjustable in the slotted and notched levers, substantially as and for the purpose shown and set forth. 40

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in presence of two witnesses.

JOHANNES PEDERSEN.

Witnesses:

J. H. V. ERICKSEN,
A. OLSEN.