

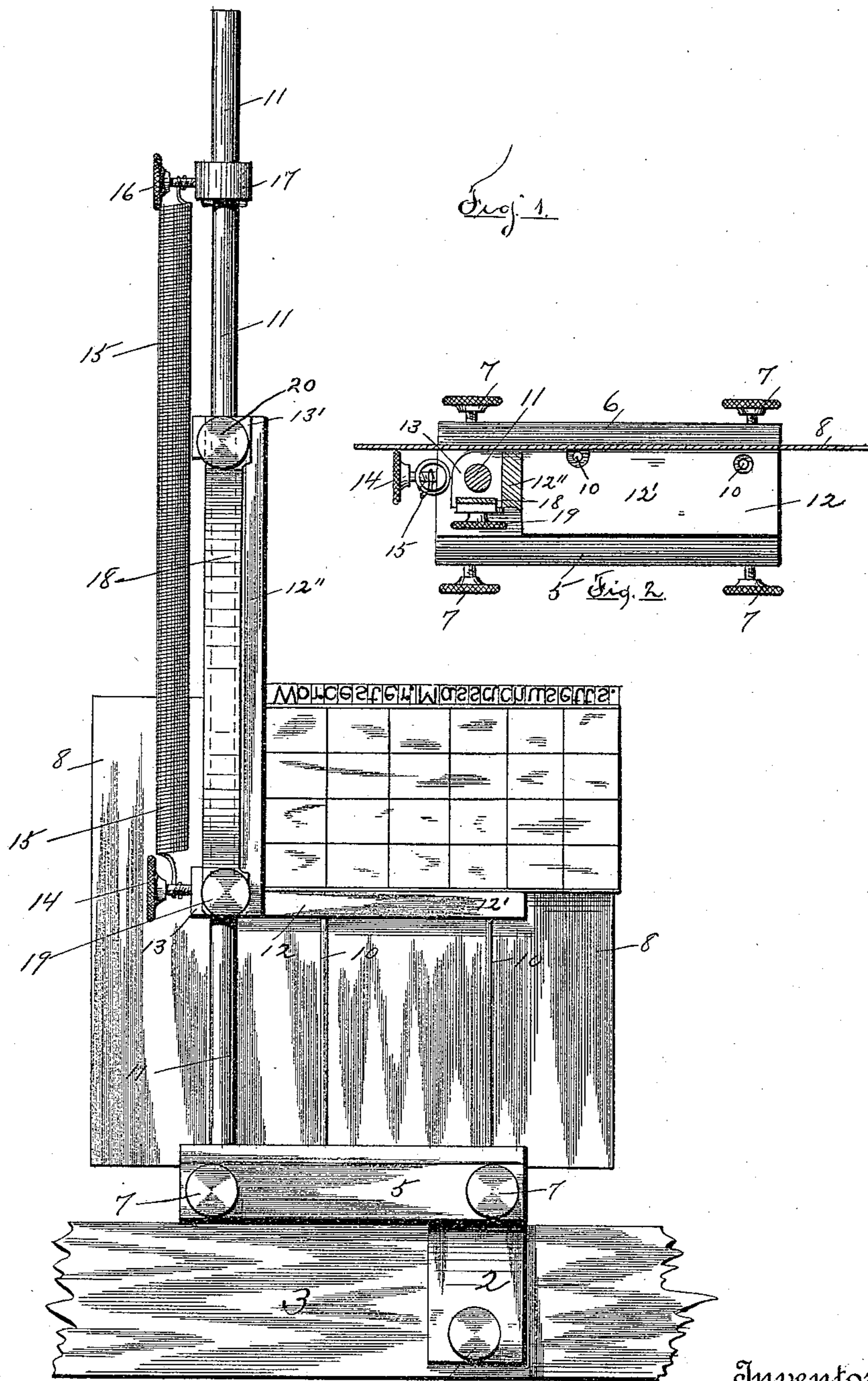
(No Model.)

2 Sheets—Sheet 1.

A. B. ADAMS.  
TYPE DISTRIBUTING HOLDER.

No. 447,124.

Patented Feb. 24, 1891.



Witnesses  
Walter S. Bowen  
Annie L. Grogan.

Inventor  
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By his Attorney  
John C. Dewey

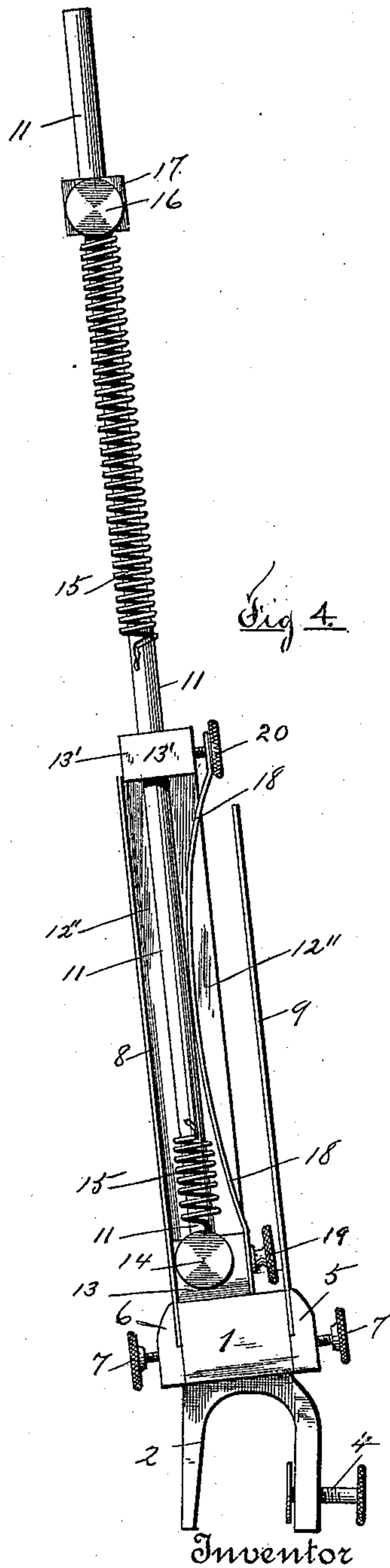
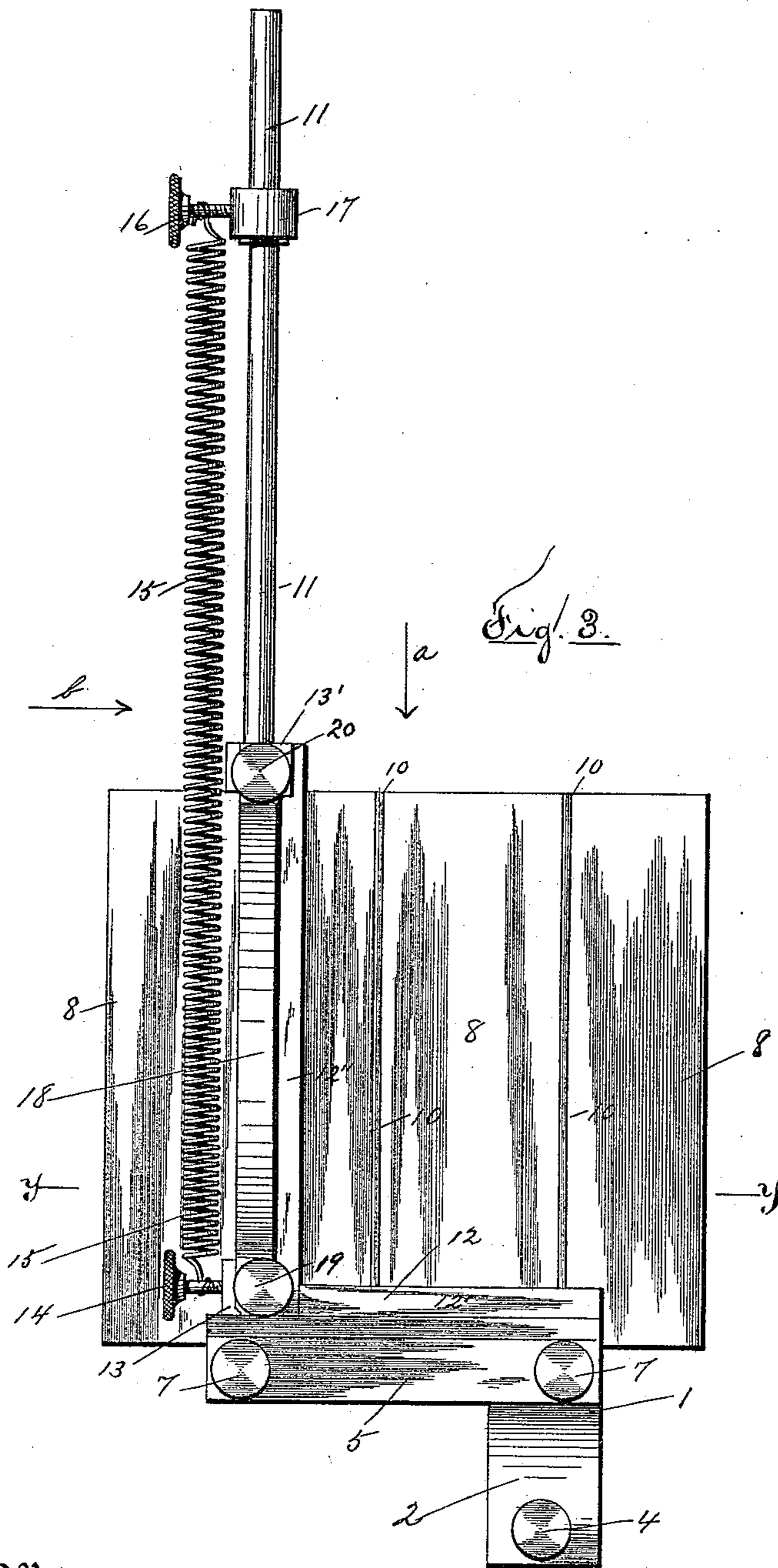
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# UNITED STATES PATENT OFFICE.

ASA B. ADAMS, OF WORCESTER, MASSACHUSETTS.

## TYPE-DISTRIBUTING HOLDER.

SPECIFICATION forming part of Letters Patent No. 447,124, dated February 24, 1891.

Application filed September 24, 1890. Serial No. 366,022. (No model.)

*To all whom it may concern:*

Be it known that I, ASA B. ADAMS, a citizen of the United States, residing at Worcester, in the county of Worcester and State of Massachusetts, have invented certain new and useful Improvements in Type-Distributing Holders; and I do hereby declare that the following is a full, clear, and exact description thereof, which, in connection with the drawings making a part of this specification, will enable others skilled in the art to which my invention belongs to make and use the same.

My invention relates to a type-distributing holder or to a device adapted to hold a handful of type and to be used in distributing-type after the same has been used and removed from the forms.

It will be understood by those skilled in the art that in the ordinary practice of distributing type by printers a handful of type is held in the left hand of the printer, and with the right hand the top line of the type and each succeeding line is removed and distributed until all the type is distributed. By this method the left hand, which holds the type, becomes stiff and cramped and the type act injuriously on the hand.

The object of my invention is to do away entirely with the holding of the type in the hand, and to substitute a simple and effective device for holding a handful of type which shall operate to move or feed up the type as the top line of type is removed, so that each line of type will always be in sight and in position to be taken by the right hand of the printer to be distributed.

My invention consists in certain novel features of construction and operation of a type-distributing holder, as will be hereinafter fully described.

Referring to the drawings, Figure 1 is a front view of my type-distributing holder secured in place with a line of type in position ready to be taken by the right hand of the user to be distributed. Fig. 2 is a cross-section on line *xx*, Fig. 3, looking in the direction of the arrow *a*, Fig. 3. Fig. 3 is a front view, corresponding to Fig. 1, with the type removed and the carriage and parts connected therewith shown in their lowest position; and Fig. 4 is a side view looking in the

direction of arrow *b*, Fig. 2, the coil-spring being partially broken away and a supplemental slide secured at the front side of the type-holder.

In the accompanying drawings, 1 is the base-block or frame of the holder, preferably made of metal with the forked arm 2 extending down from one end thereof and made integral therewith. The forked arm 2 is adapted to extend over the edge 3 of the case and be clamped thereto by a thumb-screw 4, or otherwise, thus holding the base-block 1 firmly on the upper edge of the case, as shown in Fig. 1.

Upon the front and back edge of the base-block 1 are the movable vise-jaws or plates 5 and 6, held in place and adapted to be tightened and loosened by thumb-screws 7 to secure and hold in position the back adjustable slide 8 and the supplemental front adjustable slide 9 when the same is used. The slide 8 extends up at the rear of the base-block 1 and forms an adjustable back or support against which the type rest. By means of the vise-plate 6 the slide 8 may be adjusted and removed when desired for any purpose.

Two small rods 10 extend up from the rear part of the base-block 1 in front of the slide 8 and serve to hold the type away from said slide, so that they will not press and bear against the same and lessen the friction thereon. In one end of the base-block 1 is secured the lower end of the rod 11, which extends up at right angles to said base-block. On the rod 11 moves up and down the movable carriage 12, consisting of the angle-piece having the base portion 12', on which the type rest, and the upright portion 12'', having the projections 13 and 13', provided with holes through which the rod 11 extends. The lower projection 13 is provided with a thumb-screw 14, which bears at its inner end against the rod 11, and serves to secure the carriage 12 at the lower end of the rod 11, resting on the base-block 1, as shown in Figs. 1 and 2, or at any desired elevation on said rod 11. One end of a coil-spring 15 is secured to the thumb-screw 14 and the other end is secured to a thumb-screw 16 in a collar 17, movable up or down on the upper part of the rod 11, and secured thereon by the thumb-screw 16. The purpose of the coiled spring 15 is to counter-balance the weight of the type placed on the

carriage 12 and to cause said carriage to be gradually moved upward as the top line of the type is removed to be distributed.

In order to regulate the action of the coiled spring 15 for lines of type of different length, I provide a friction device to bear on the rod 11, and which in this instance consists of a flat spring 18, attached at its lower end on the lower projection 13 of the carriage 12 by a thumb-screw 19 and at its upper end by a thumb-screw 20. Said thumb-screws 19 and 20 are adapted to screw in and out in the projections 13 and 13'. (See Fig. 3.) The friction of said spring 18 on the rod 11 is increased or diminished by turning in or out the thumb-screws 19 and 20.

In case of small type or to prevent the type being accidentally knocked off of the carriage 12, I may employ a supplemental front adjustable slide 9, secured in the front part of the base-block 1, and extending up in front of the type, as shown in Fig. 4.

From the above description, in connection with the drawings, the operation of my type-distributing holder will be readily understood by those skilled in the art, and is as follows: The base-block 1 is secured to the edge of the case or a partition in the case by means of the clamp 2 and thumb-screw 4. The movable carriage 12 is lowered to its lowest position, resting on the base-block 1, as shown in Figs. 1 and 2, and the thumb-screw 14 tightened to hold the carriage 12 in place against the action of the coiled spring 15. A handful of type is then placed on the base portion 12' of the movable carriage 12, and rests against the back slide 8 and is held out from

the same, so as to move freely, by the rods 10. If desired, the supplemental front slide 9 is secured in front of the type. The thumb-screw 14 is loosened and the spring 15 acts to cause the carriage 12 to move up gradually as the top lines of type are removed, so that the top line preparatory to being removed will be in the position shown in Fig. 1. The action of the coiled spring 15 is regulated by the friction-spring 18 to adjust the action of said spring 15 to the weight of the type by thumb-screws 19 and 20, which are turned in to increase the friction of the spring 18 on the rod 11, and turned out to diminish the friction.

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

1. As a new article of manufacture, a type-distributing holder consisting of the stationary frame part and the movable carriage for the type, and means for regulating the motion of said carriage, substantially as set forth.

2. In a type-distributing holder, the combination, with the stationary frame, of the movable carriage for the type and means for raising said carriage for the purpose stated, substantially as set forth.

3. In a type-distributing holder, the combination, with the stationary frame, of a spring-actuated carriage on which the type are carried and raised to be distributed, substantially as set forth.

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Witnesses:

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