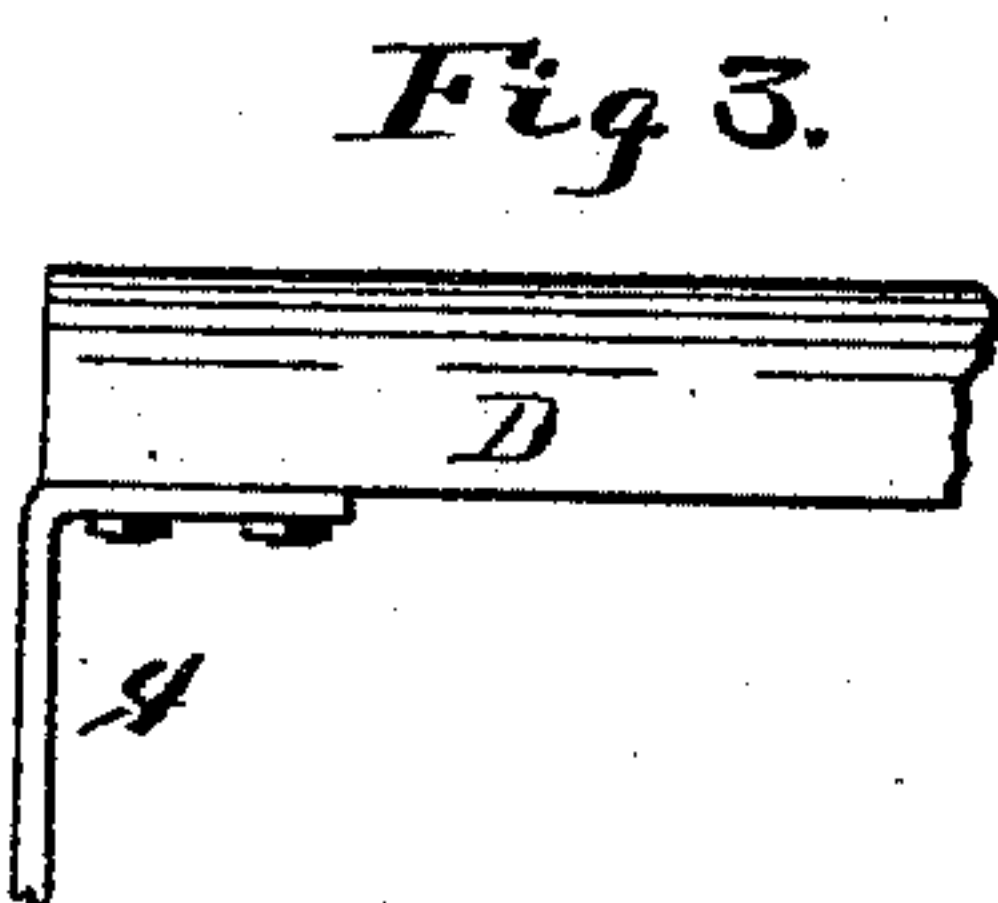
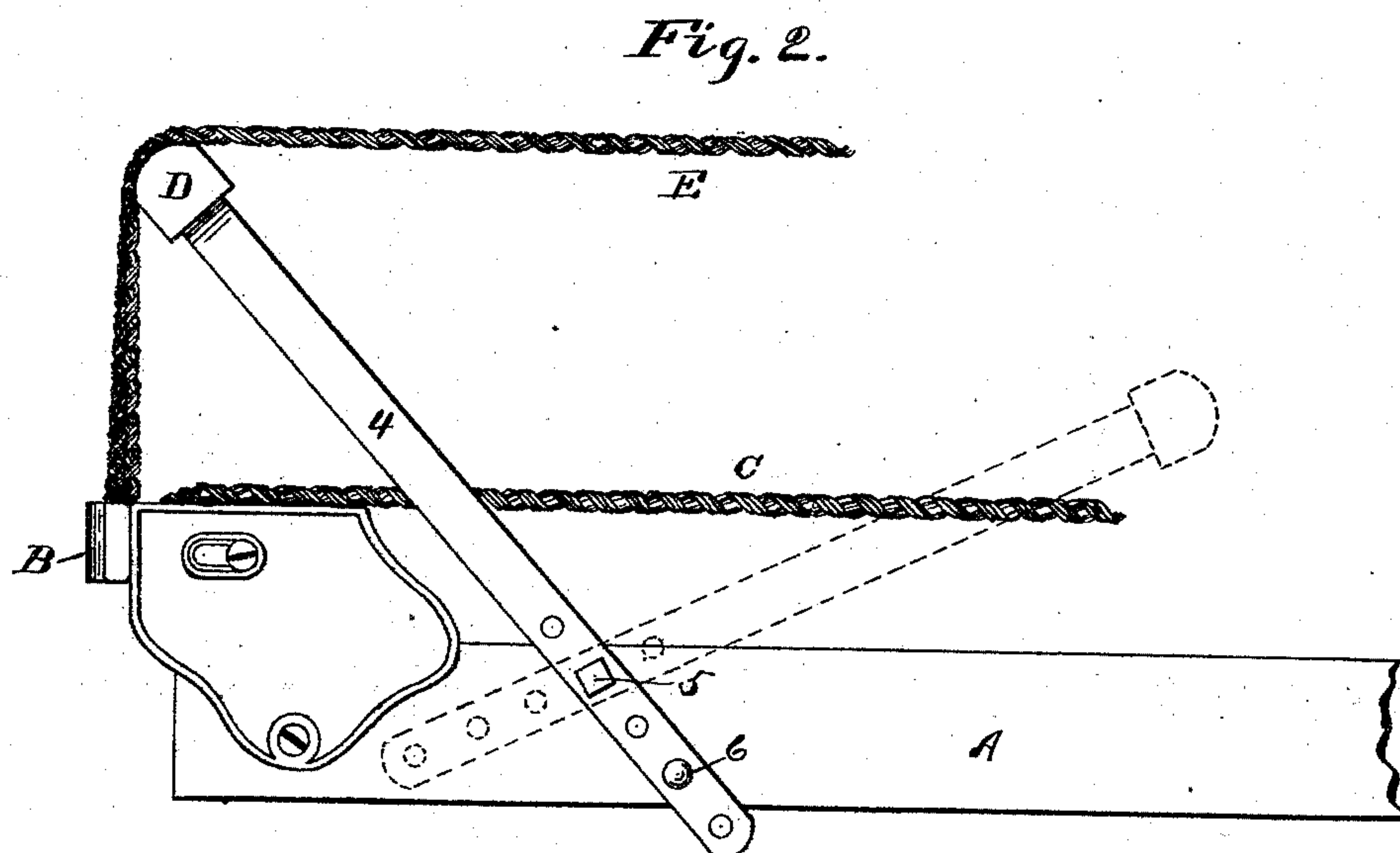
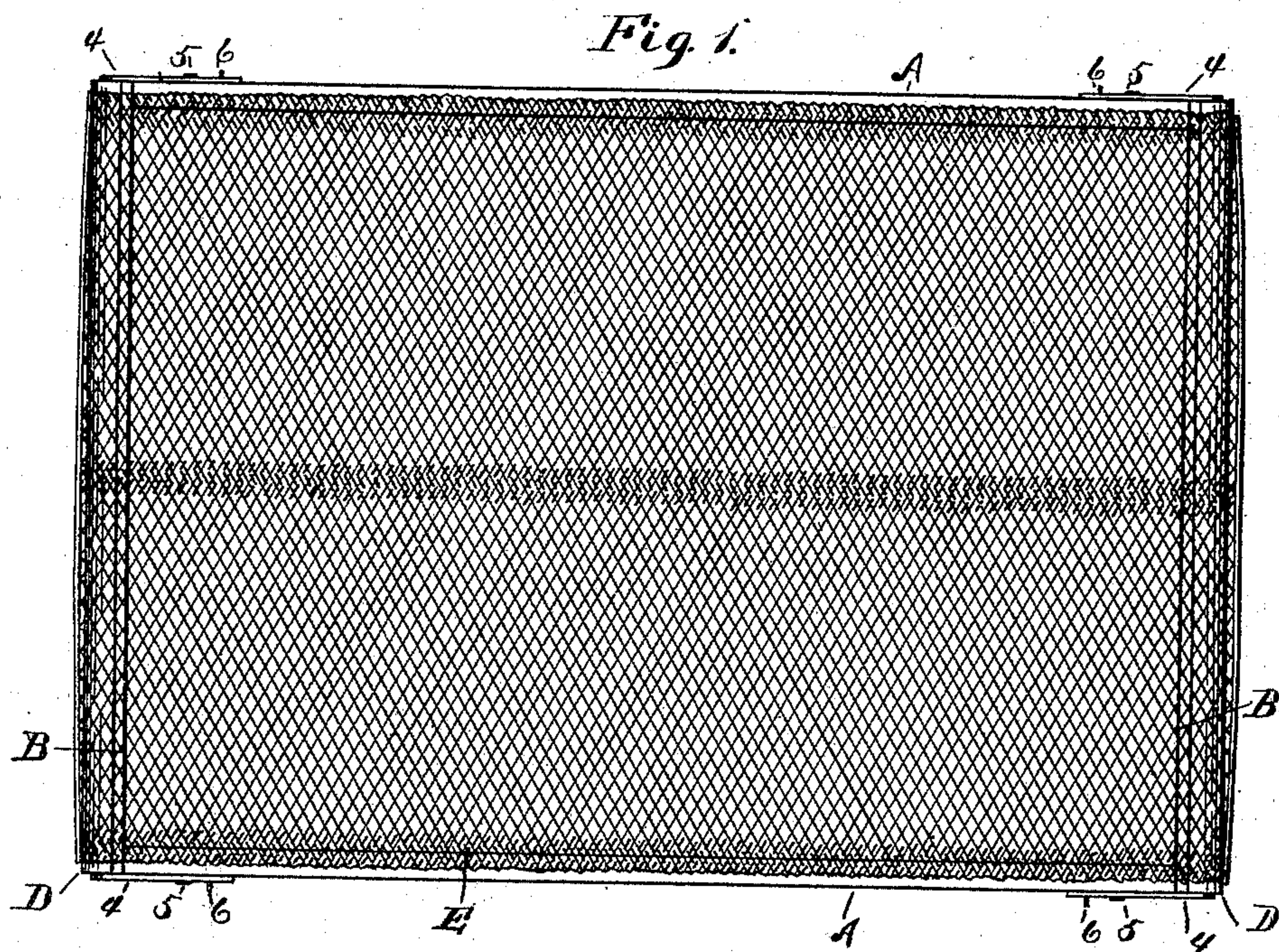


(No Model.)

A. W. DAY.  
BED BOTTOM.

No. 500,865.

Patented July 4, 1893.



Witnesses,  
Edward W. Bush,  
Hiram L. Loomis.

Inventor,  
Arthur W. Day,  
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Atty.



# UNITED STATES PATENT OFFICE.

ARTHUR W. DAY, OF NEW BRITAIN, CONNECTICUT.

## BED-BOTTOM.

SPECIFICATION forming part of Letters Patent No. 500,865, dated July 4, 1893.

Application filed April 3, 1893. Serial No. 468,845. (No model.)

*To all whom it may concern:*

Be it known that I, ARTHUR W. DAY, a citizen of the United States, residing at New Britain, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Bed-Bottoms, of which the following is a specification.

My invention relates to improvements in bed bottoms, and the objects of my improvement are convenience of adjustment and general efficiency in use.

In the accompanying drawings, Figure 1 is a plan view of my bed bottom. Fig. 2 is a side elevation on an enlarged scale of a portion of said bed bottom, and Fig. 3 is a front view of a portion of one of the adjustable end rails and its supporting arm.

A, A designate the side rails of the frame and B, B the end rails, the same being properly secured together, with the end rails elevated above the upper edge of the side rails and having stretched thereon any suitable fabric, as for example, the woven wire fabric C, the same being of any ordinary construction. In addition to this ordinary frame and fabric, I employ a pair of adjustable end rails D, one at each end of the bed, and these I support upon arms 4 provided with a series of holes, said arms being pivoted to the side rails A of the bed by means of a screw or bolt 5, and locked in their adjusted position by means of a pin 6 passing through one of said holes in the arms 4 and into a hole in the side rails. I arrange a second fabric E, preferably of woven wire over these adjustable end rails, said fabric being secured by each of its ends to the end rails B of the bed bottom frame. This upper fabric E is stretched to give it the proper tension by first securing the end rails with the bolt 5 only, so that said rails may be swung inwardly toward the middle of the bed as indicated by broken lines in Fig. 2. The adjustable end rails are then swung on their bolts or pivots from the position shown in broken lines to that shown in full lines in Fig. 2 and when both of them are thus brought into place, the upper fabric will be stretched. If the fabric as thus held by the adjustable end rails is not sufficiently taut or if it is too tight, the adjustable end rails can be swung back and the arms of said rails secured to the side rails by passing the

pivotal bolt through a different hole. When the adjustable ends are set in position as shown by full lines in Fig. 2, they will stay in place with a certain degree of security, but I prefer to lock them in place by means of the pin 6, or if desired another screw or bolt in place or said pin. The preferred construction of the bed bottom provided with this upper and lower fabric is to have the lower fabric C on the frame of the bed bottom made quite stiff and tight, while the upper fabric E is made easy or soft. This will give a soft and easy bed until the upper fabric is depressed far enough to come in contact with the lower fabric and the two fabrics together form a stiffer and firmer support that will not sag too much.

While I believe that the best mode of construction for my bed bottom is that which I have described, it is evident that the means for stretching the fabric E will operate the same whether or not the lower fabric is present. It is also evident that the combination of the two fabrics separated a distance from each other will be the same even if the upper fabric is supported by a non-adjustable support. I prefer, however, to employ the adjustable swinging rails not only for convenience of adjustment but for the purpose of turning said end rails down into a more compact form during transportation or for storage.

It should be noted that both fabrics are elevated considerably above the side rails A and that the adjustable upper end rails D when the upper fabric is stretched thereon are directly over the lower end rails B so that substantially the full length of the bed is utilized. By elevating both fabrics above the side rails the lower fabric may be depressed to the usual extent while the combined fabrics have an increased range of depression according to the elevation of the upper fabric over the lower one.

I claim as my invention—

1. The herein described bed bottom consisting essentially of a frame having side rails A, lower end rails B elevated above the same, the upper end rails D secured directly over said lower end rails, a lower fabric C, stretched lengthwise of the bed bottom and secured by its ends to said elevated lower end rails, and



an upper fabric E secured by its ends to said elevated lower end rails and stretched lengthwise of the bed over said upper end rails, substantially as described and for the purpose specified.

2. In a bed bottom the combination of the side rails A the lower end rails B secured thereto, the arms 4 pivoted to said side rails, the upper adjustable end rails D secured to said arms, and the fabric E secured by its ends to said lower end rails B and passing lengthwise of the bed over said adjustable end rails, substantially as described and for the purpose specified.

3. In a bed bottom, the combination of the side rails A the lower end rails B secured thereto, the upper adjustable end rails D, the fabric E secured by its ends to said lower end rails B and passing over said upper adjustable

end rails, the arms 4 for supporting said upper adjustable end rails, and devices for pivotally connecting to, and longitudinally adjusting said arms on said side rails, substantially as described and for the purpose specified.

4. The herein described bed bottom consisting of the frame having stretched thereon a lower fabric, the upper fabric with its ends secured to the main end rails of the frame and the adjustable end rails D pivoted by the arms 4 to the side rails of the frame, substantially as described and for the purpose specified.

ARTHUR W. DAY.

Witnesses:

JAMES CAIRD,  
JAMES SHEPARD.