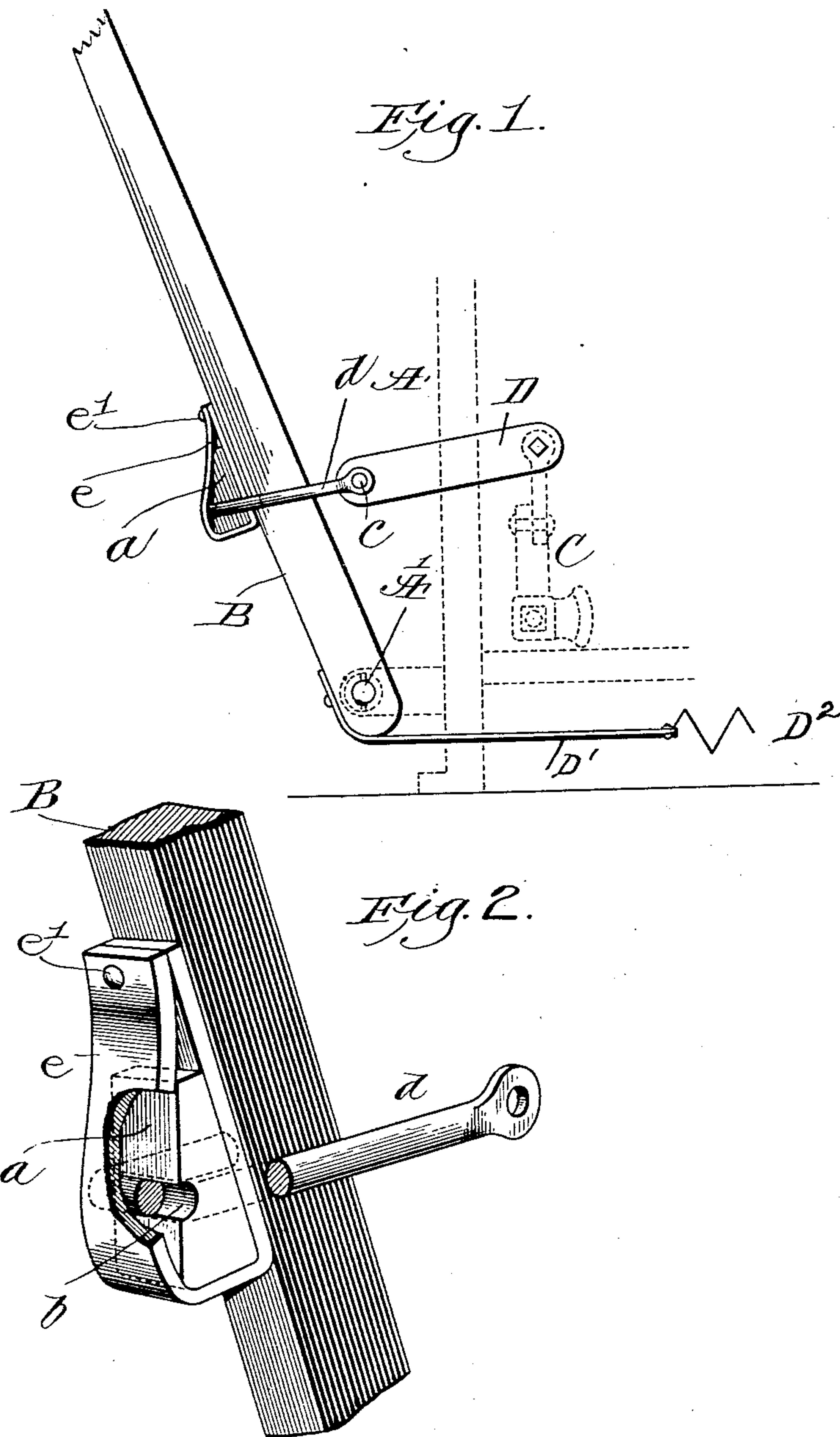


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J. THOMPSON.  
LUG STRAP CONNECTION FOR LOOMS.  
APPLICATION FILED MAR. 9, 1903.

NO MODEL.



Witnesses  
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# UNITED STATES PATENT OFFICE.

JAMES THOMPSON, OF BOSTON, MASSACHUSETTS.

## LUG-STRAP CONNECTION FOR LOOMS.

SPECIFICATION forming part of Letters Patent No. 751,819, dated February 9, 1904.

Application filed March 9, 1903. Serial No. 146,828. (No model.)

*To all whom it may concern:*

Be it known that I, JAMES THOMPSON, a citizen of the United States, residing at Boston, in the county of Suffolk and State of Massachusetts, have invented an Improvement in Lug-Strap Connections for Looms, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

In accordance with my invention the picker-stick has attached to it a loop-strap, inside of which is located a non-metallic lay-block having a groove in which is entered the bent end of a metallic finger bent to embrace said block, the finger being detachable from the block without unseating the picker-stick.

Figure 1 shows part of a picker-stick and part of the loom side and usual actuating means, together with my improvements; and Fig. 2 is an enlarged detail showing the loop-strap and finger partially broken out.

The loom-frame A, partially shown by dotted lines, and the stud A', constituting the pivot for the picker-stick B, the rocker-arm C, having jointed loosely to it the wooden link D and the strap D', and spring D<sup>2</sup> to move the picker-stick into the outer end of the picker-slot of the lay, (not shown,) are and may be all as usual.

In accordance with my invention I take a non-metallic block *a*, preferably of wood and of wedge shape, and provide it with a groove *b*. I attach loosely to the wooden link by a pin *c* one end of a metallic finger *d*, the opposite end *d'* of which is bent to enter the groove *b* and embrace the block, as shown, the free end of the finger extending, preferably, a little beyond the outer edge of the picker-stick when the block is in place, as shown in the drawings, and within the loop-

strap *e*, shown as fastened by a screw or nail *e'* to the picker-stick. In this construction the bent end of the finger will be made to engage the block, the loop-strap will be bent around the block and bent end of the finger, and then the loop-strap will be placed against the picker-stick and secured thereto. The end of the finger by overlapping the side of the picker-stick prevents any tendency of the block and finger to be moved in the direction of the thickness of the picker-stick. By making the block of wood instead of metal the strains due to momentum are reduced to the minimum, and the necessity of oiling the finger where it contacts with the block is obviated. The loop-strap acts as a cushion to sustain the block at the edge of the picker-stick, and also the strap acts to sustain the lower end and outer side of the block, so that it may yield in a measure, thus obviating shocks when running at high speed.

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

The combination of a picker-stick, a loop-strap secured thereto, a wooden block having an open groove in one of its faces and embraced by said loop-strap, a metallic finger or rod bent at its end to engage and rest in the open groove of the block with its free end extending partially around the picker-stick, the loop-strap where it embraces the block serving to confine the bent end of the finger in the groove of the block.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JAMES THOMPSON.

Witnesses:

GEO. W. GREGORY,  
EDITH M. STODDARD.