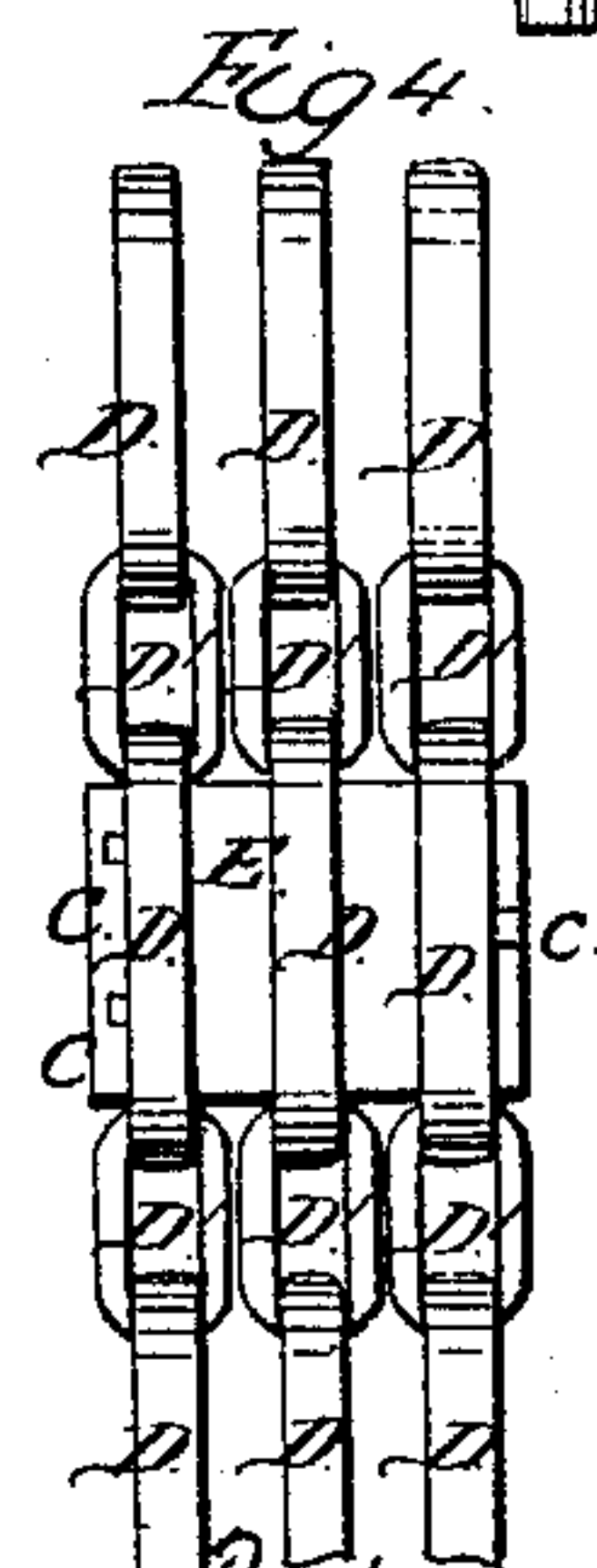
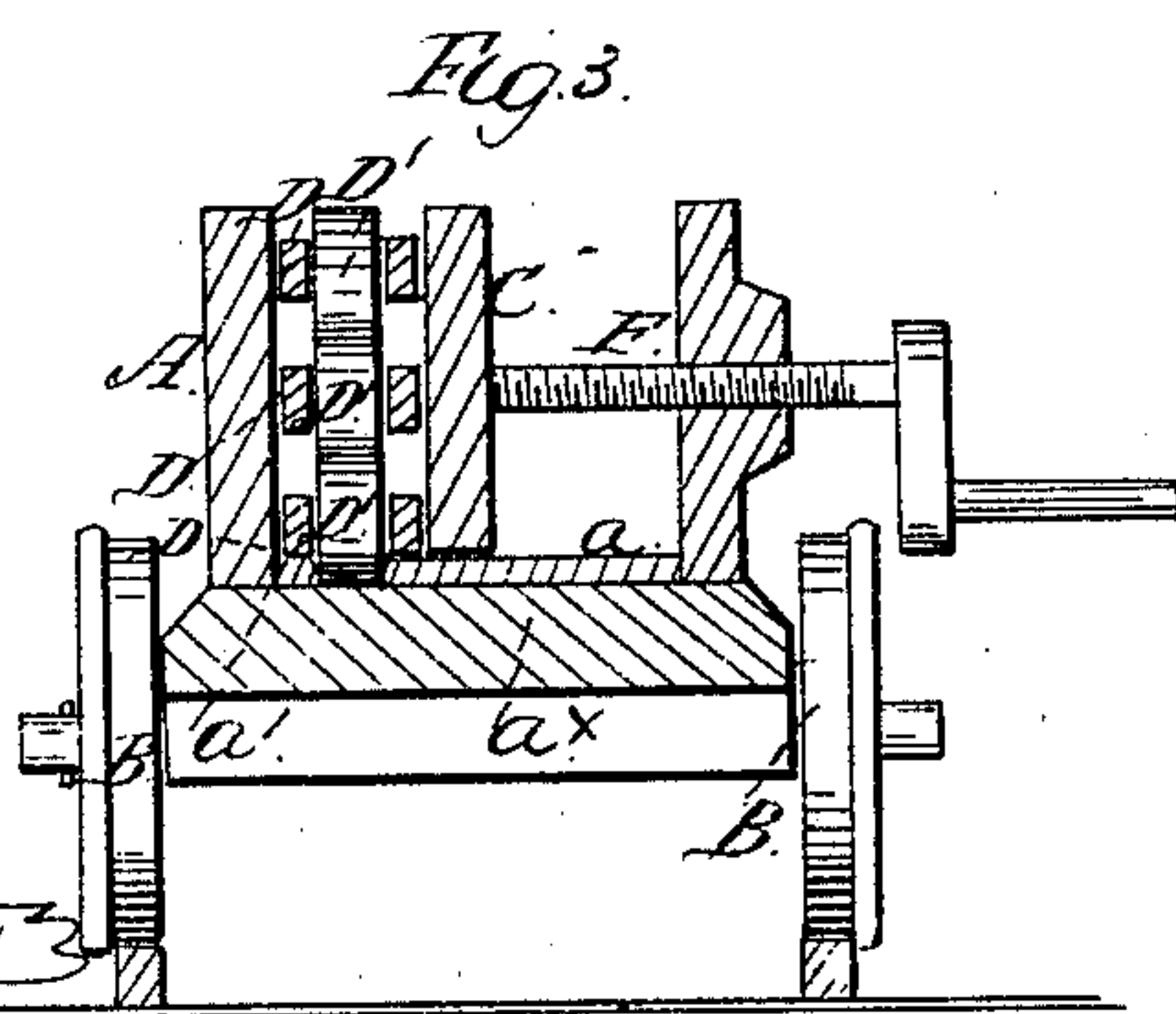
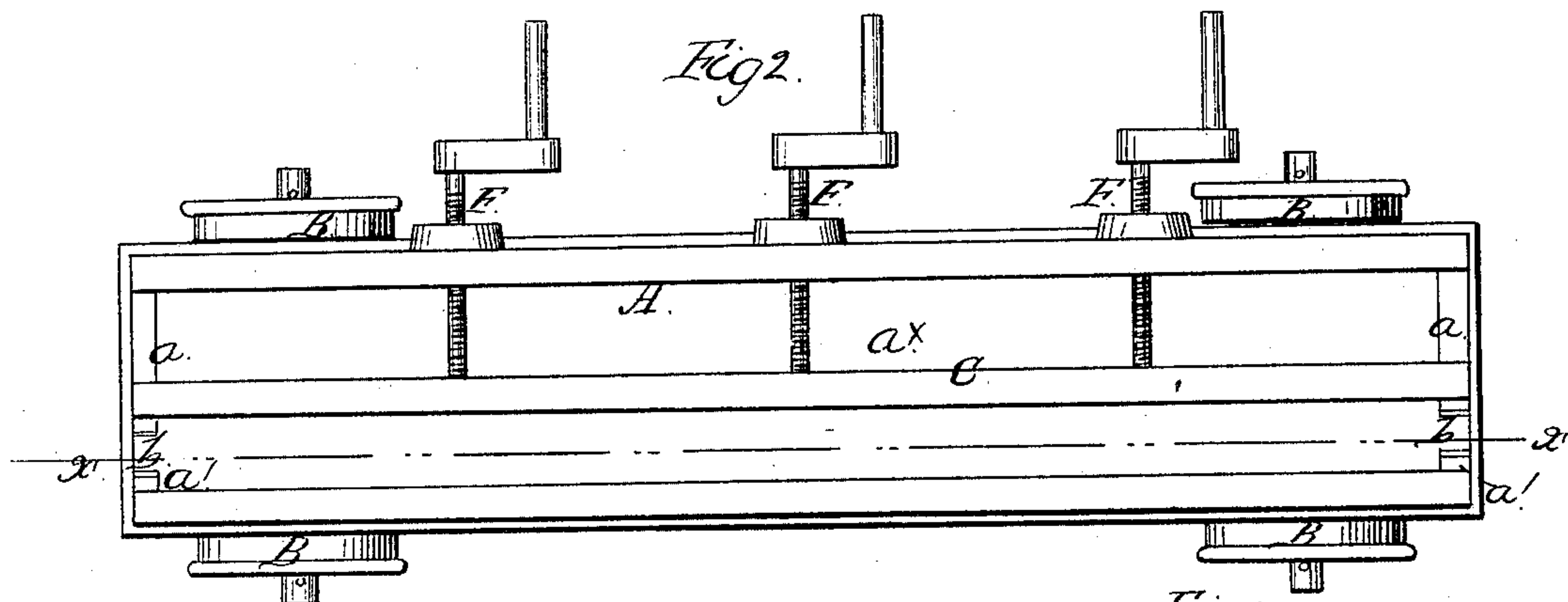
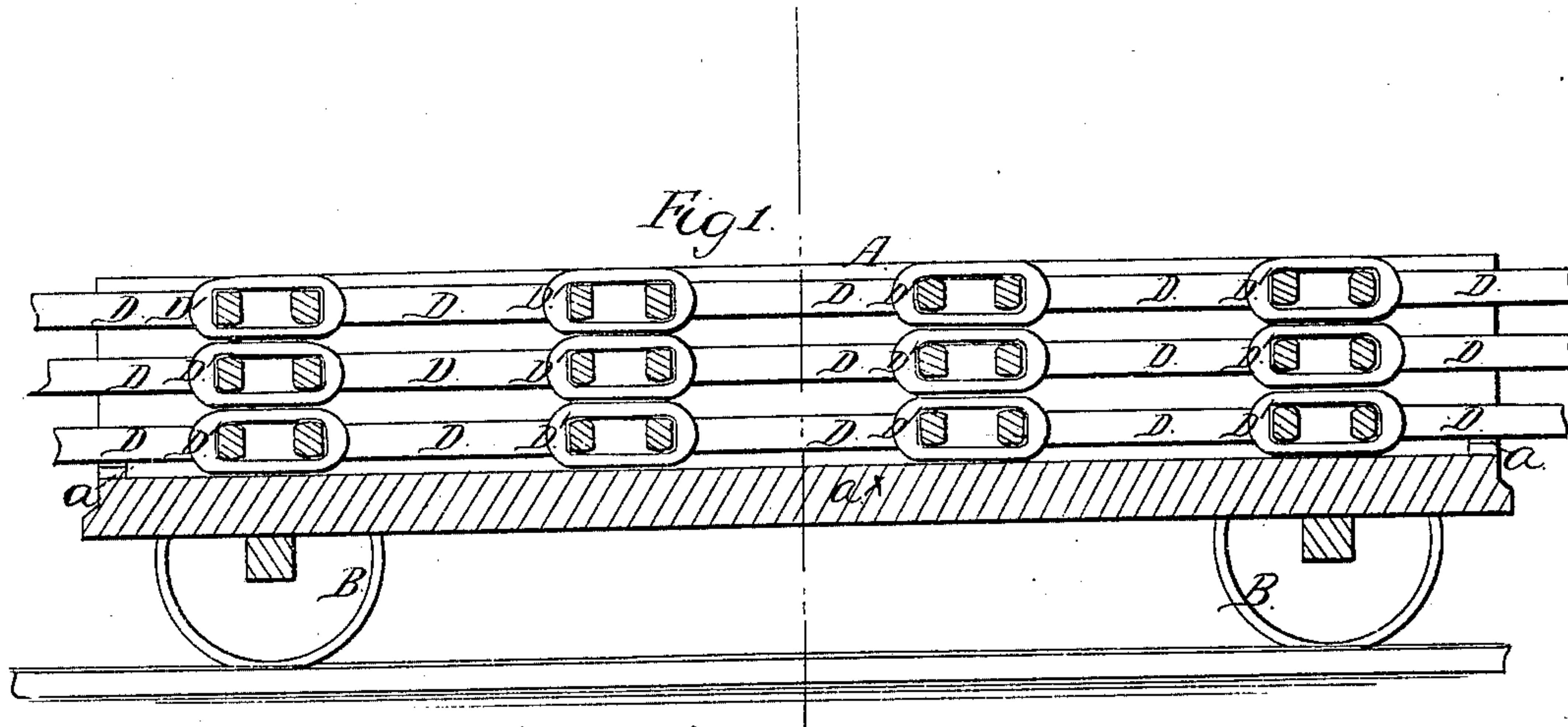


P. Kendrick.
Making Chains.

N^o 82,124.

Patented Sept. 15, 1868.



Witnesses.
W. C. Ashkettle
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United States Patent Office.

PETER KENDRICK, OF TRENTON, NEW JERSEY.

Letters Patent No. 82,124, dated September 15, 1868.

IMPROVEMENT IN DEVICE FOR BLOCKING CHAINS.

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, PETER KENDRICK, of Trenton, in the county of Mercer, and State of New Jersey, have invented a new and improved Device for Blocking Chains; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

This invention relates to a new and improved device for facilitating the driving of wooden blocks in chains, such as are used for mining purposes.

In the accompanying sheet of drawings—

Figure 1 is a side sectional view of my invention, taken in the line $x\ x$, fig. 2.

Figure 2, a plan or top view of the same.

Figure 3, a transverse vertical section of the same, taken in the line $y\ y$, fig. 1.

Figure 4, a view of a portion of a chain, showing a wooden block driven through one set of long links.

Similar letters of reference indicate corresponding parts.

A represents a cast-iron box, of rectangular form, and mounted on four wheels, B, which are fitted on suitable ways or guides.

This box is cast quite heavy, so that it will be fully capable of sustaining the jars and concussions to which it is subjected in driving the wooden blocks through the links of the chain.

The box A is open at both ends and at the top, and within the box there is placed an upright partition, C, which is movable or adjustable.

On each end of the bottom, a^x , of the box A there are two transverse strips, $a\ a'$, which are in line with each other, a space, b , being between them, as shown clearly in fig. 2.

The chain to be blocked is composed of two different-sized links, D D', the former, D, being considerably longer than the latter, D', three lengths of links D D' being placed side by side to form one chain, and connected by wooden blocks, E, as shown in fig. 4.

After the links of the several lengths of the chain have been welded together, the chain is adjusted edge-wise in the box A, the latter containing seven or more links, according to its size, and these links are clamped firmly in position by the partition C, which is acted upon by screws F, as shown clearly in figs. 2 and 3.

The small links D' of the lower length of links within the box rest upon the bottom, a^x , of the box A, but the small links beyond the ends of the box A having no support, the strips $a\ a'$ serve that purpose, as the long links D rest upon said blocks, (see fig. 1.)

By this means, the portion of the chain within the box A may be adjusted in proper position with the greatest facility, as the portions of the chain at the ends of the box are properly sustained.

When a portion of a chain is clamped in the box A, a wooden block, E, is driven, by hand, through each set of links D within the box, the partition C is relaxed or unscrewed, and the box A moved along, and another portion of the chain clamped in it, and the long links blocked, as before.

The blocks E are prevented from slipping out from the links D by means of nails, c , driven into the ends of the block at the outer sides of the end-links, as shown in fig. 4.

I claim as new, and desire to secure by Letters Patent—

The box A, provided with the movable partition C and screws F, in combination with the strips, $a\ a'$, at the ends of the bottom, a^x , of the box, for supporting the long links D at the ends of the box, substantially as and for the purpose specified.

*PETER KENDRICK.

Witnesses:

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