

P. KENDRICK.

Methods of Fastening Blocks in Triple Chains.

No. 142,110.

Patented August 26, 1873.

Fig. 2.

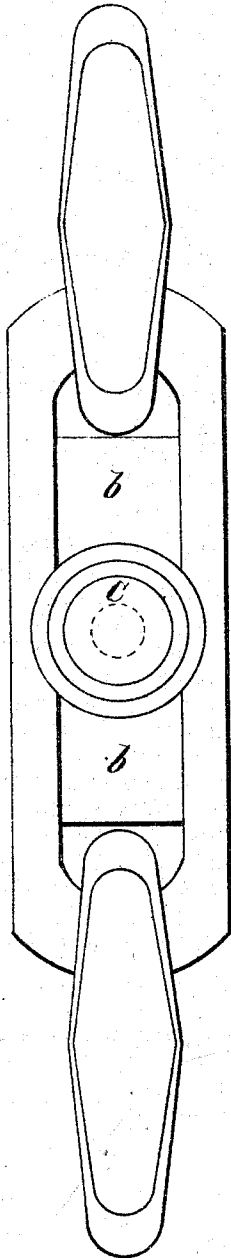
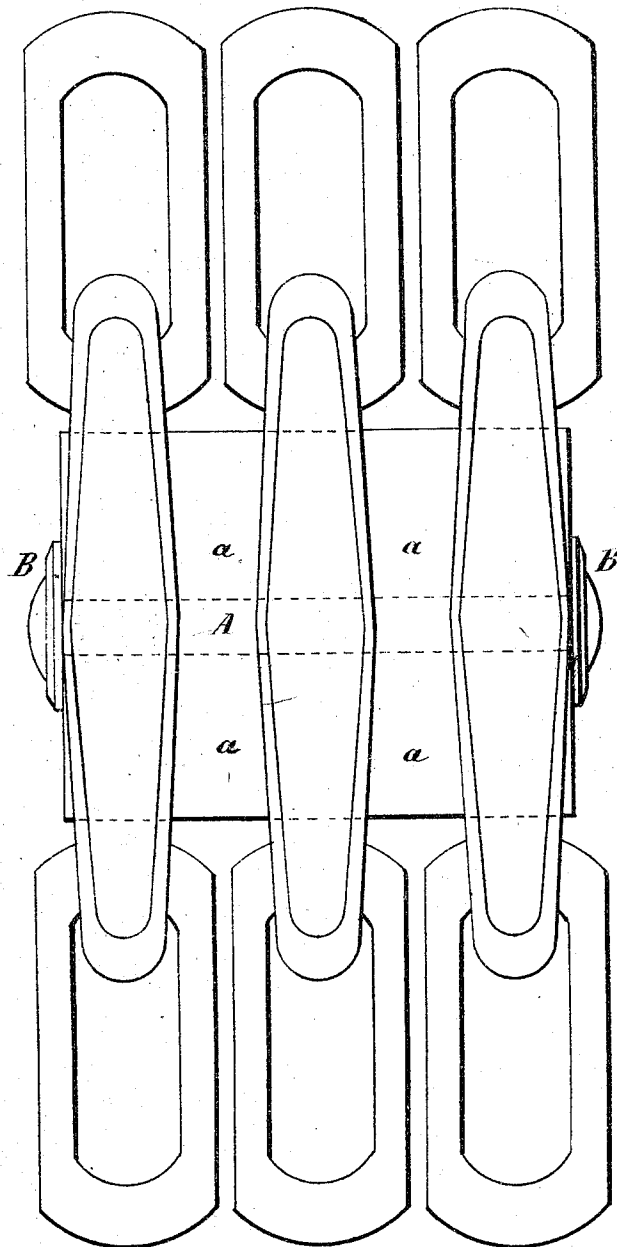


Fig. 1.



Witnesses

George F. Buttumst
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PETER KENDRICK, OF TRENTON, NEW JERSEY.

IMPROVEMENT IN THE METHODS OF FASTENING BLOCKS IN TRIPLE CHAINS.

Specification forming part of Letters Patent No. **142,110**, dated August 26, 1873; application filed May 29, 1873.

To all whom it may concern:

Be it known that I, PETER KENDRICK, of the city of Trenton, county of Mercer, State of New Jersey, have invented a new and Improved Method of Fastening Blocks in Triple Chain, of which the following is a specification:

Triple chain is manufactured and used principally for coal mines; and consists of a series of thin chains of long and short links placed parallel to each other, and kept in position by a block of wood being driven through the long links and fastened by means of ordinary stubs or wrought-iron nails driven in outer edge of said block.

Great difficulty is experienced in the use of this chain from the fact that, by constant working and shrinkage of these wood blocks, the stubs or wrought-iron nails become loosened and drop out, by which means there is nothing to prevent the blocks from working out, thus rendering the chain useless until repaired, occasioning no little loss of time and expense. I propose to surmount this difficulty, and claim, as an improvement, my invention, which consists of an ordinary iron or other metal bolt with washers, said bolt to pass through the block and riveted over the washers, as represented in the accompanying drawing.

Figure 1 represents a full view of a section

of the chain; *a a a* represent the block of wood inserted in the chain, and the dotted parallel lines *A A* through the center of the figure represent the bolt through the block, which is riveted over washers *B B*. Fig. 2 represents a side-view section of the chain *b b*, being the end of the block, and *C* the washer, riveted on the end of the bolt, showing the manner in which the block is held in place.

It will be evident, from the foregoing description and accompanying drawing, that, by the application of my invention to this chain, it is impossible for the block to work out, as the bolt and washers fasten it effectually, and the chain will work much easier, as by using the stubs or iron-nails the block of wood is required to be well seasoned, and made larger to be driven in perfectly tight, which has a tendency to make the chain too stiff.

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

An iron or other metal bolt to pass through the block, and riveted over washers on the ends to secure said block, substantially as specified.

PETER KENDRICK.

Witnesses:

GEORGE F. BUTTERWORTH,
EDWARD S. PULLEN.