

J. McLAUCHLIN & T. J. ROGERS.
CONVEYER CHAIN.
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964,302.

Patented July 12, 1910.

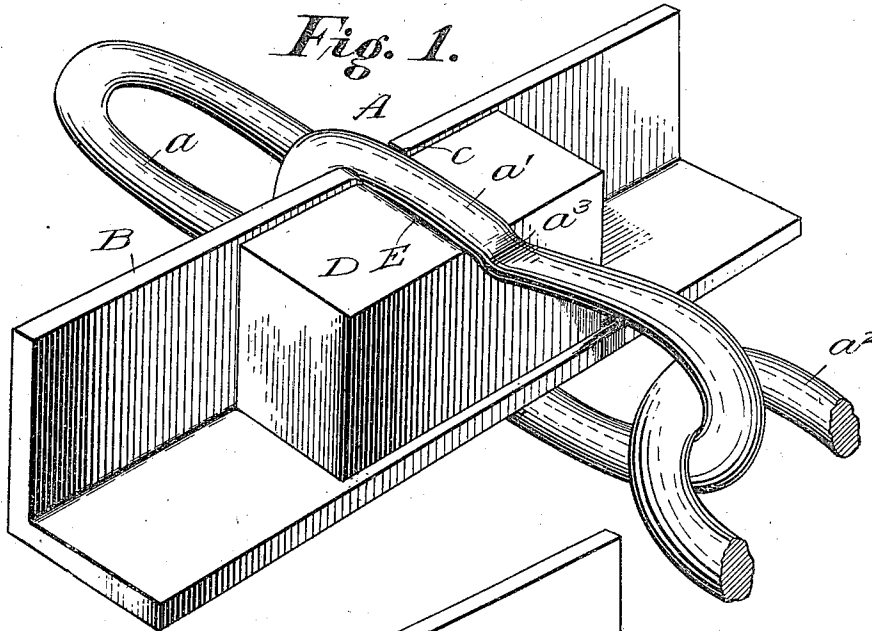


Fig. 2.

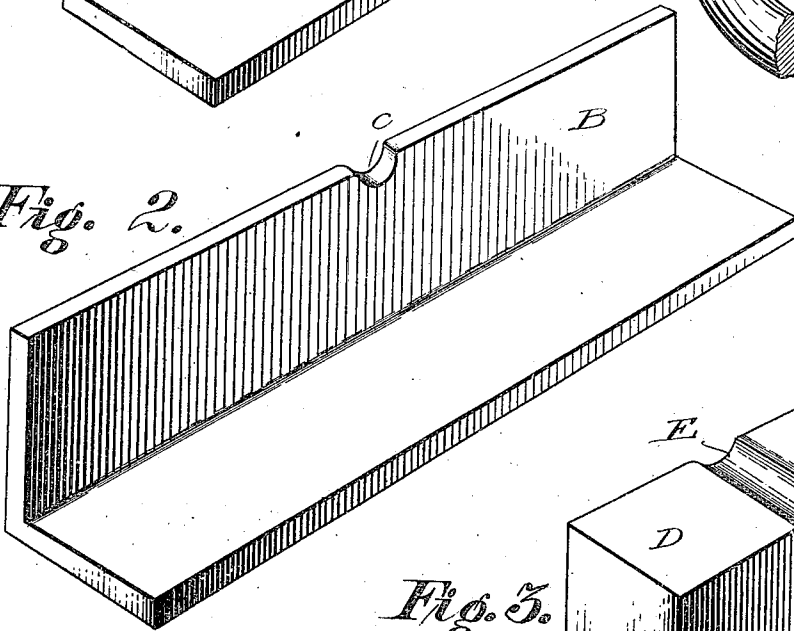
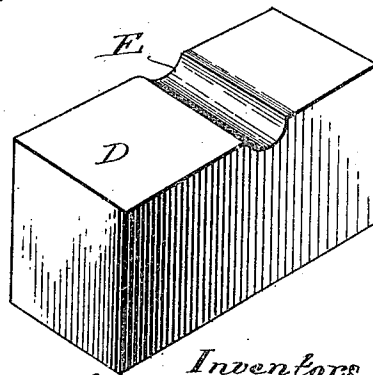


Fig. 3.



Witnesses:

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UNITED STATES PATENT OFFICE.

JESSE McLAUCHLIN AND THOMAS J. ROGERS, OF BONIFAY, FLORIDA.

CONVEYER-CHAIN.

964,302.

Specification of Letters Patent.

Patented July 12, 1910.

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To all whom it may concern:

Be it known that we, JESSE McLAUCHLIN and THOMAS J. ROGERS, citizens of the United States, residing at Bonifay, in the county of Holmes and State of Florida, have invented certain new and useful Improvements in Conveyer-Chains, of which the following is a specification.

Our invention has relation to improvements in flights for conveyer chains, and it has for its object and unites in its construction simplicity, durability and effectiveness of operation being especially adapted for the purposes intended and for analogous purposes.

With these and other objects in view the invention consists in the novel construction and combination of parts as will be hereinafter more in detail described and the asserted novelty specifically claimed.

We have fully and clearly illustrated our invention in the accompanying drawings in which:

Figure 1 represents a perspective view of our invention, the several parts being assembled for operation. Figs. 2 and 3 represent similar views of the flight and block thereof detached from the chain.

Similar letters of reference indicate corresponding parts in the several figures.

Referring by letters to the annexed drawing: A designates a section of an endless chain composed of links a , a' , a^2 , the central link a' having an offset a^3 formed upon the upper surface thereof midway its length for a purpose which will be hereinafter explained.

B designates a flight formed of one piece of metal and right angular in its form, the vertical portion of the right angle having a semi-circular recess formed upon the upper edge thereof and midway its length within which one end of the link a' is seated as clearly shown in Figs. 1 and 2 of the drawing.

D designates a metallic block disposed upon the upper surface of the flight B midway its length, both of which the flight and block being passed partially through and held by and within the link a' by means of the offset a^3 in the link a' and semi-circular

recess c in the edge of the vertical portion of the right angular cleat. This metallic block is provided with a groove E corresponding in form to the recess c in the flight. A portion of the link a' bears on and holds the block securely on the flight. The block is inserted ahead of the flight and slipped back upon the front side of the flight and the top of the link bent down ahead of said block in the recess or notch which holds it permanently in place. The flight of course will necessarily vary in size to suit corresponding sizes of the chains employed. Any number of these flights may be detachably secured to the chain and at predetermined distances apart, but in this example only one is shown. If occasion arises for the flights to be repaired or new substituted for the old ones this can be readily and conveniently done without the inconvenience of using tools of any description which would involve more trouble and extra expense.

The flights are inserted or detached from the chain by driving an iron wedge ahead of the block straightening the link of the chain up which will enable one to take the block sidewise until it is off of the bottom of the angle iron, then out endwise which leaves the flight free so that it can be turned cornerwise and taken out as simply as it went into the link of the chain.

Having thus described our invention what we claim and desire to secure by Letters Patent, is;—

A conveyer flight involving the combination of a single chain, one of the links having an offset portion therein, a section of angle iron, having a recess in one flange thereof intermediate its ends, and a notched block lying in the angle of the flight—said flight and block being clamped between the two sides of the offset links.

In testimony whereof we affix our signatures in presence of two witnesses.

JESSE McLAUCHLIN.
THOMAS J. ROGERS.

Witnesses:

WALTER L. SESSOMS,
EDWARD R. BROWN.