

No. 843,977.

PATENTED FEB. 12, 1907.

J. TRAUM.
CHAIN CASTING MOLD.
APPLICATION FILED JULY 30, 1906.

Fig. 1.

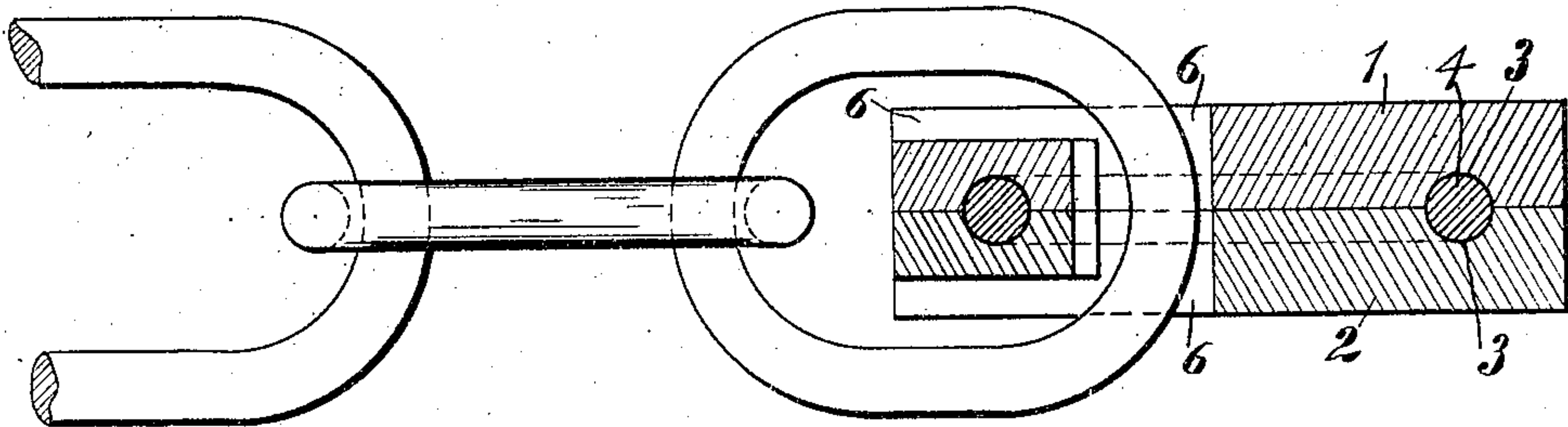


Fig. 2.

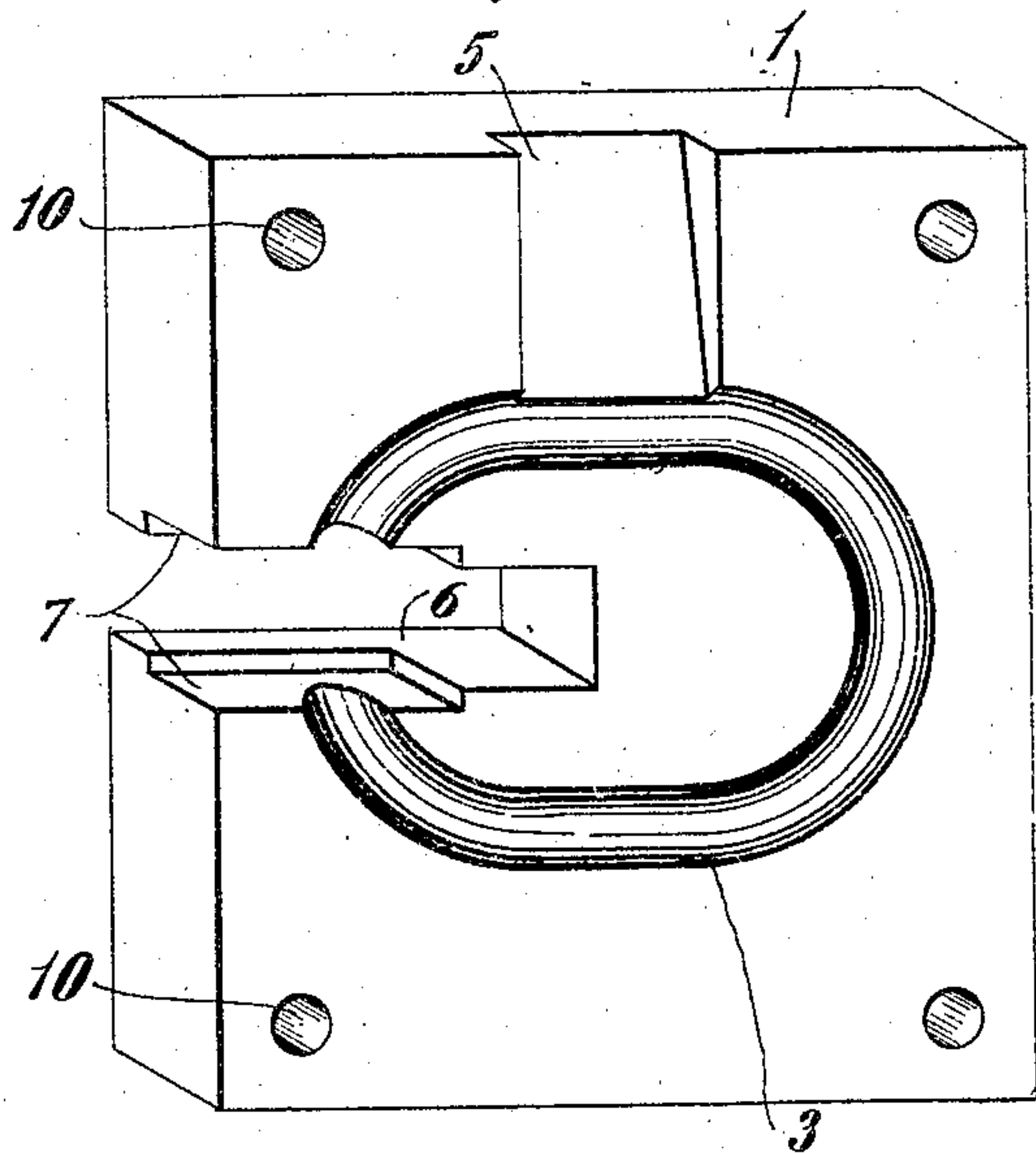
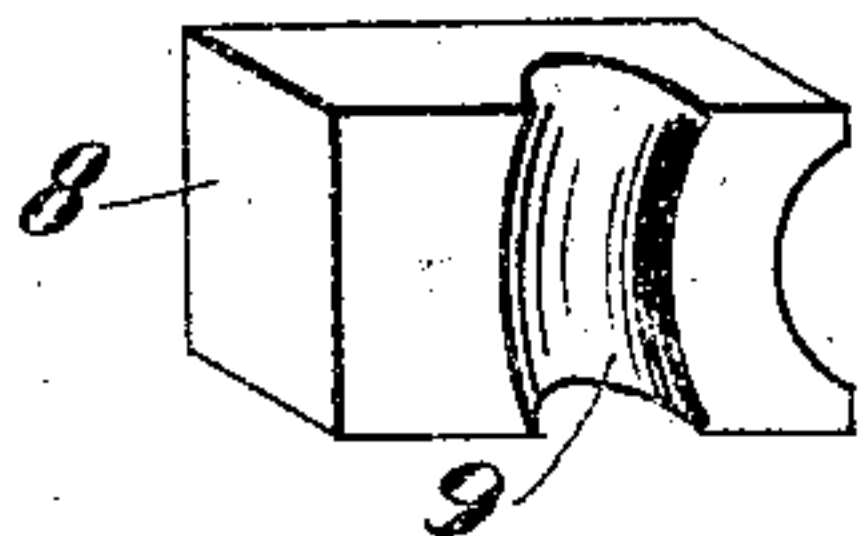


Fig. 3.



Witnesses:
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UNITED STATES PATENT OFFICE.

JOHN TRAUM, OF WALHONDING, OHIO.

CHAIN-CASTING MOLD.

No. 843,977.

Specification of Letters Patent.

Patented Feb. 12, 1907.

Application filed July 30, 1906. Serial No. 328,303.

To all whom it may concern:

Be it known that I, JOHN TRAUM, a citizen of the United States, residing at Walhonding, in the county of Coshocton and State of Ohio, have invented certain new and useful Improvements in Chain-Casting Molds, of which the following is a specification.

My invention relates to improvements in chain-casting molds for casting chains or cables; and the paramount object of the invention is to produce a generally improved device of this class which will be exceedingly simple in construction, cheap of manufacture, efficient in use, and much better adapted to its intended purposes than any other device of the same class with which I am acquainted.

With these ends in view the invention consists in the novel construction, arrangement, and combination of parts hereinafter described, illustrated in the accompanying drawings, and particularly pointed out in the appended claim.

Referring to the drawings forming a part of this specification, Figure 1 is a longitudinal sectional view of the improved mold, the parts being in proper position for receiving the molten metal and illustrating the manner in which the link is cast in the completed link of a chain; Fig. 2, a perspective view of the inner or mold side of one of the main mold-blocks; Fig. 3, a perspective view of a detachable auxiliary mold-block fitting in and forming a part of one of the main mold-blocks.

Similar numerals of reference designate like parts throughout all the figures of the drawings.

The improved mold is preferably made up of two main mold-blocks 1 and 2, provided on their inner or meeting sides with a groove or recess 3 of a shape or configuration conforming to the form of the link 4 to be cast.

An inclined notch or recess 5 is formed in one side of the meeting edge of one or both of the main blocks and forms a gate-opening leading to the groove or recess 3 for the chain-link when the parts are in proper position, as shown in Fig. 1 of the drawings.

Link openings or recesses 6 are formed on one side of the main mold-blocks, and ways 7 are offset from the sides of said link-openings 6 and are adapted to receive and form seats for auxiliary blocks 8, adapted to fit therein.

The auxiliary blocks 8 are each provided with grooves or recesses 9, and when fitted in position said grooves or recesses register with and form a continuation of the grooves or recesses 3 of the main blocks. It will also be observed that said auxiliary blocks 8 fill the intervening spaces between the ways 7, forming a part and continuation of the main blocks and leaving, behind and about, the link opening or recess 6, as shown in Fig. 1 of the drawings.

Pin-openings 10 are formed in the meeting side of one of the blocks and are designed to receive pins formed on the adjacent side of the other or companion block.

The operation of the invention is as follows: The parts are placed in proper position, as shown in Fig. 1, and held tightly together by any suitable and convenient holding device—for instance, by being held in a frame, cradle, or holder—and forced together by wedges, screws, or other means. The molten metal enters through the gate-opening, filling the mold, and after the link has cooled sufficiently the two main blocks are opened and the link taken out. The auxiliary blocks 8 are then removed and one side of the link placed within the link-openings 6 and the blocks 8 replaced in position within the link, after which the main blocks are placed in position and the operation repeated, as before, until the desired length of chain has been formed.

From the foregoing description, taken in connection with the accompanying drawings, the advantages of my invention will be readily understood.

Having thus described my invention without having attempted to set forth all the forms in which it may be made or all the modes of its use, I declare that what I claim, and desire to secure by Letters Patent, is—

A chain-casting mold, consisting of a pair of mold-blocks inclosing a link-forming groove, a transverse link-opening notch or recess formed in the sides thereof and terminating within said link-forming groove near the center of said mold-blocks, a longitudinally-extending way offset from said link-opening notch or recess and extending from the outer edges of said blocks to a point intermediate the termination of said notch or recess and said link-forming groove, and

auxiliary companion blocks slidably mounted in said longitudinally-extending slot and inclosing a groove forming a part of said link-forming groove, said blocks being adapted to
5 be inserted in and removed from said way when the main blocks are in their closed position.

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

JOHN TRAUM.

Witnesses:

CHARLES B. HUNT;
MARY M. HUNT.