

No. 881,908.

PATENTED MAR. 17, 1908.

E. DEMAREST.
CLEAT FOR CABLE CHAIN CONVEYERS.

APPLICATION FILED DEC. 16, 1907.

Fig. 1.

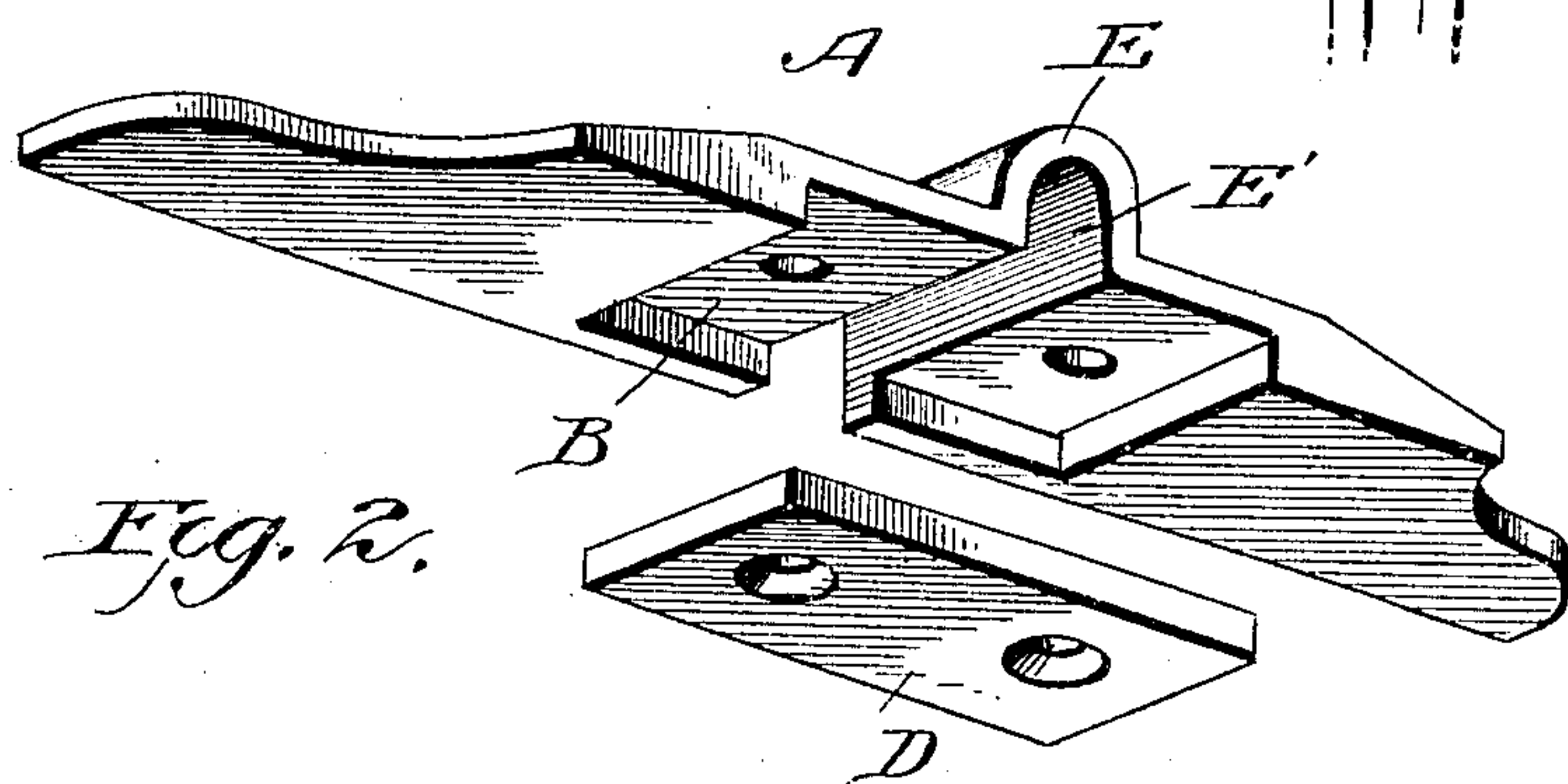
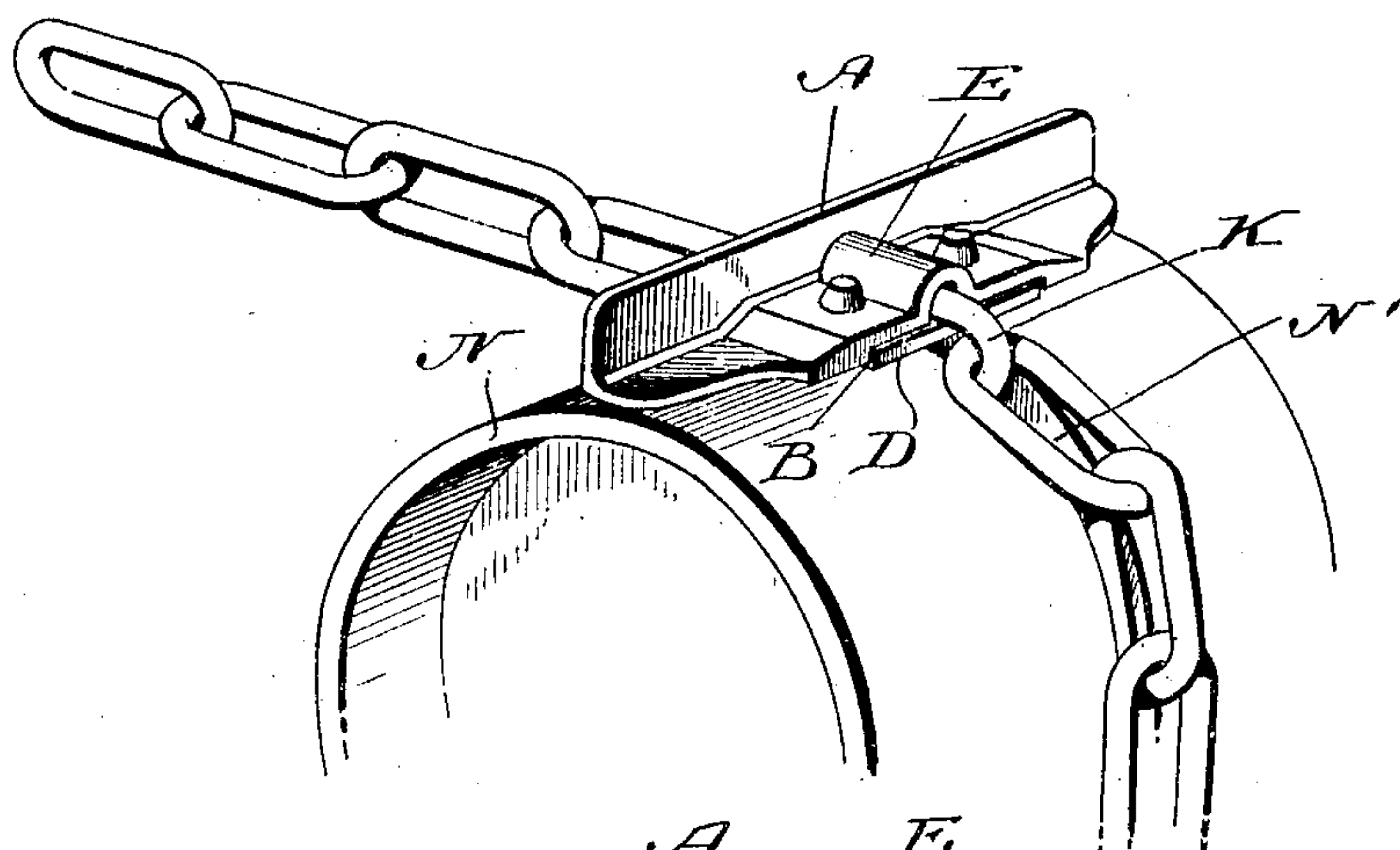


Fig. 2.

Fig. 3.

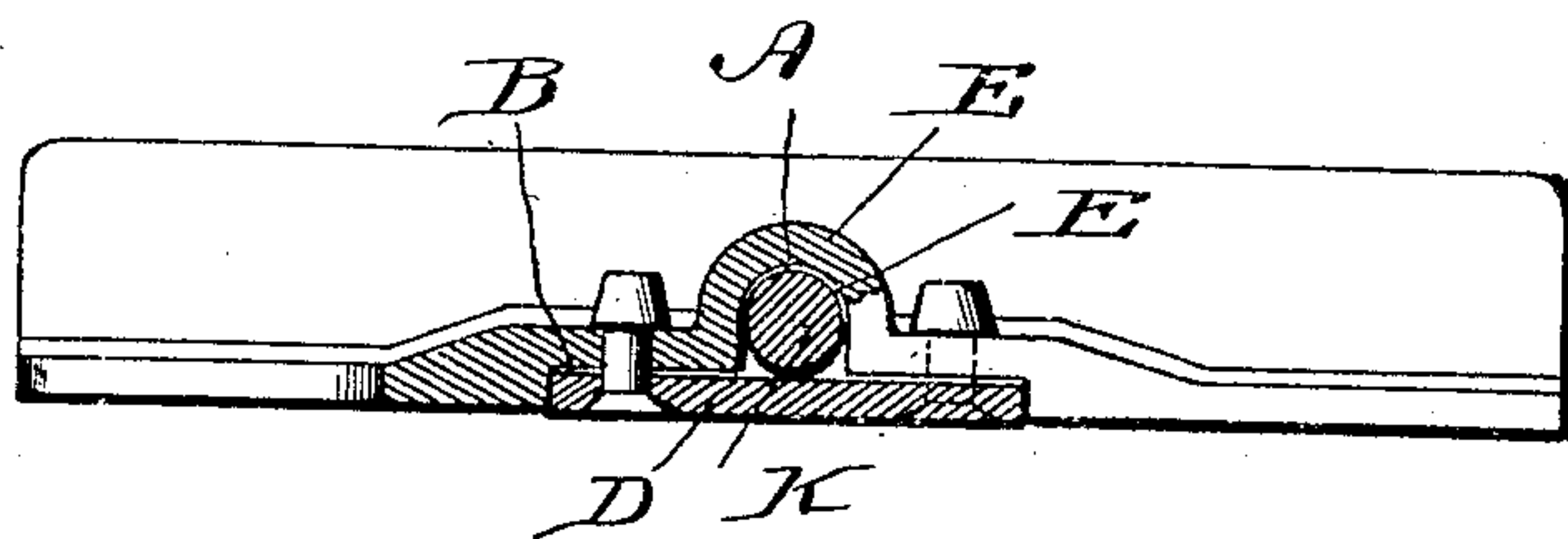
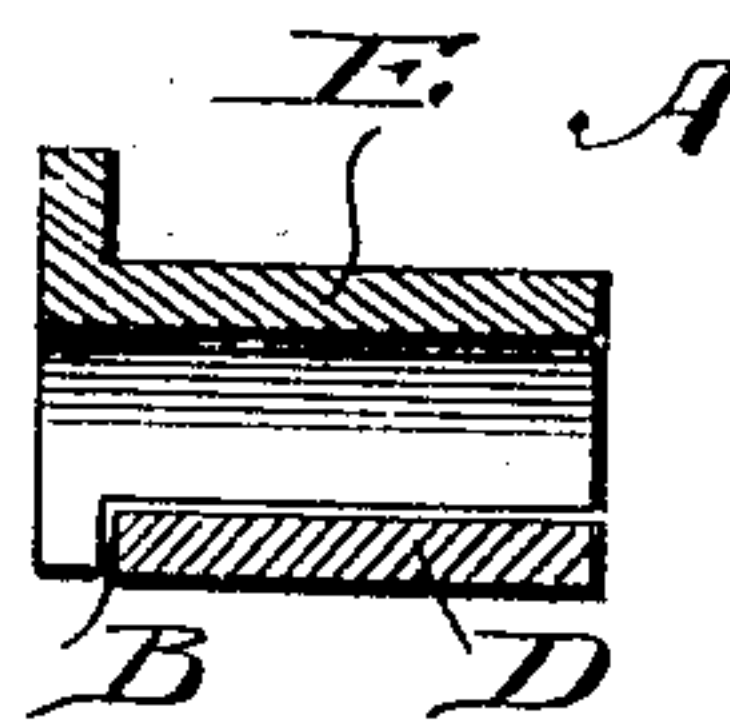


Fig. 4.



Witnesses:
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UNITED STATES PATENT OFFICE.

ERNEST DEMAREST, OF PATTERSON, LOUISIANA.

CLEAT FOR CABLE-CHAIN CONVEYERS.

No. 881,908.

Specification of Letters Patent.

Patented March 17, 1908.

Application filed December 16, 1907. Serial No. 406,763.

To all whom it may concern:

Be it known that I, ERNEST DEMAREST, a citizen of the United States, residing at Patterson, in St. Mary parish and State of Louisiana, have invented certain new and useful Improvements in Cleats for Cable-Chain Conveyers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

This invention relates to new and useful improvements in cleats for cable chain conveyers and comprises a simple and efficient device of this nature which may be easily applied to and removed from the links of a conveyer chain, making it possible to add to or lessen the number of cleats upon the conveyer without the requirement of skilled labor.

The invention comprises various details of construction and combinations and arrangements of parts which will be hereinafter fully described and then specifically defined in the appended claims.

My invention is illustrated in the accompanying drawings, in which:—

Figure 1 is a perspective view of a portion of a conveyer chain, showing one of my improved cleats fastened to the chain. Fig. 2 is an enlarged detail view of one of the cleats. Fig. 3 is a sectional view longitudinally through the same, and Fig. 4 is a detail view of the rear face of the cleat.

Reference now being had to the details of the drawings by letter, A designates a cleat adapted to be fastened to a conveyer chain, and made of any suitable material, and is preferably right angled in cross section, and suitably reinforced by portions thereof, where the strain comes to the greatest extent upon the cleat by being thickened. One face of the cleat has a recess B formed therein for the reception of the retaining plate D, which latter is held preferably by means of rivets passing through registering apertures in said plate and the wall of said recess. Rising from the rear face of the recessed portion

of the cleat is a projection E which is grooved as at E' for the reception of a link K of a conveyer chain, said groove extending through the upright portion of the plate as shown clearly in the drawings. N designates a conveyer pulley over which the conveyer passes, said pulley being provided preferably with a circumferential groove N' to receive and engage the links of the conveyer as it travels about the pulley.

By the provision of a cleat as shown and described, a simple and efficient means is afforded whereby the same may be readily applied to or detached from any of the links of a conveyer chain to increase the carrying capacity of the same, and affording means whereby cleats may be replaced when broken or for other purposes.

What I claim to be new is:—

1. A cleat for cable chain conveyers comprising, in combination with the links of a chain, a cleat having a groove formed transversely to the cleat in one face thereof for the reception of a link of the conveyer chain, the under face of the cleat being recessed, a plate seated in said recess and adapted to retain the link in place in said groove, as set forth.

2. A cleat for cable chain conveyers comprising a piece of material which is right angled in cross section, one of the faces of the cleat having a transverse groove formed therein for the reception of a link of the conveyer chain and recessed, a plate seated in said recess and flush with the face of the cleat, and means for holding said plate in place, as set forth.

3. In combination with a cable chain conveyer, a cleat right angled in cross-section, said cleat having a reinforced portion which is recessed upon one face thereof, said recess opening into a groove which extends through the right angled face of the cleat, a link mounted in said groove, a plate seated in said recess, and means for holding the plate to said cleat to retain the link of the chain in said groove, as set forth.

In testimony whereof I hereunto affix my signature in the presence of two witnesses.

ERNEST DEMAREST.

Witnesses:

A. C. HANDLEY,
T. E. MCGUFFEE.