

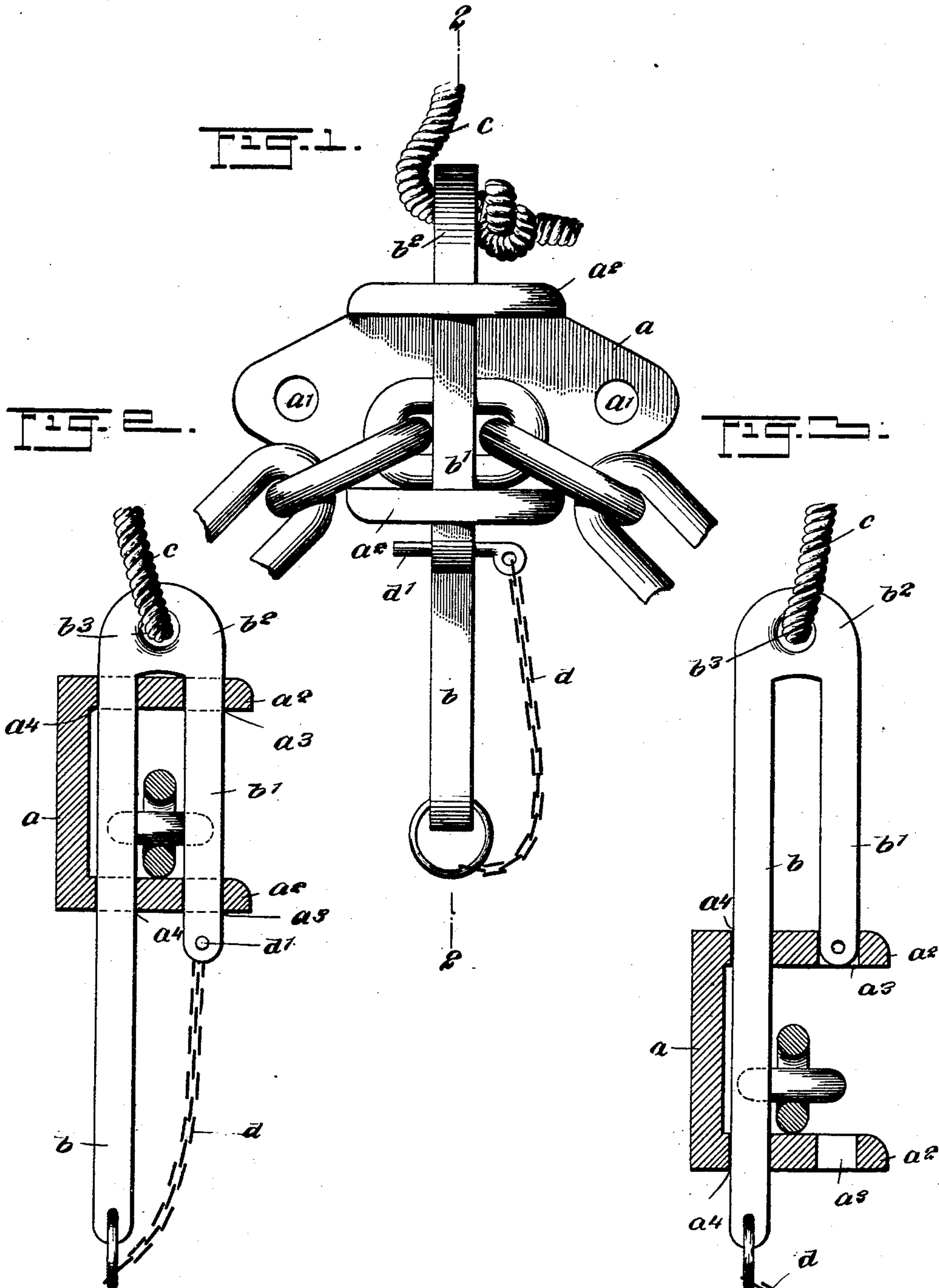
No. 677,188.

Patented June 25, 1901.

M. A. DREES.
CHAIN STOPPER.

(Application filed Mar. 8, 1901.)

(No Model.)



WITNESSES:

Julius H. Smith
A. B. Stevens

INVENTOR

Michael A. Drees

BY

Mum
ATTORNEYS

UNITED STATES PATENT OFFICE.

MICHEAL ALBERT DREES, OF PESHTIGO, WISCONSIN, ASSIGNOR OF ONE-HALF TO WILLIAM ELLIS, OF SAME PLACE.

CHAIN-STOPPER.

SPECIFICATION forming part of Letters Patent No. 677,188, dated June 25, 1901.

Application filed March 8, 1901. Serial No. 50,343. (No model.)

To all whom it may concern:

Be it known that I, MICHEAL ALBERT DREES, a citizen of the United States, and a resident of Peshtigo, in the county of Marinette and State of Wisconsin, have invented a new and Improved Chain-Stopper, of which the following is a full, clear, and exact description.

This invention relates to a device for locking chains; and the object is to provide means for easily and effectively stopping the chain, which device may be readily released without danger to the operator, notwithstanding that the chain may be under great strain at all times.

The invention is useful in connection with all purposes for which chains are employed, as will be fully understood by persons skilled in the art.

This specification is a specific description of one form of the invention, while the claims are definitions of the actual scope thereof.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a plan view of the invention. Fig. 2 is a section on the line 2 2 in Fig. 1, showing the chain stopped; and Fig. 3 is a like view showing the chain released.

The device comprises a body having a base-plate a , with holes a' for fastening the plate to the surface on which the stopper is mounted. This base a has oppositely-arranged side lugs a^2 , each of which is formed with two openings a^3 and a^4 therein. The openings in the lugs a^2 are respectively in transverse alignment with each other—that is to say, the opening a^3 of one lug is in transverse alignment with the opening a^3 of the other lug and the same is true as to the openings a^4 .

Working with the body is a stopper-bar comprising two limbs b and b' , arranged in parallelism and connected rigidly together by a member b^2 at their outer ends. This member is preferably formed integrally with the bars b and b' and provided with an eye b^3 , to which may be connected a cord or the like c for permitting the stopper-bars to be drawn from the position shown in Fig. 2 to that shown in Fig. 3. The limb b of the stopper-bar is of approximately twice the length of limb b' , so that when the stopper-bar is drawn to open position (see Fig. 3) the limb b' will be moved

out of the space between the lugs a^2 . When the stopper-bar is moved to the locked position, (see Fig. 2,) both of the limbs will lie across the space between these lugs. A chain, cord, or other connection d is attached permanently to the limb b of the stopper-bar and is provided with a key d' at its end, which key may be removably placed in an opening in the end of the limb b' to lock the stopper-bar in the position shown in Fig. 2. When the stopper-bar is moved into locked position, the limbs b and b' straddle a link of the chain lying opposite the sides thereof, thus holding the chain fast in the stopper. When the stopper-bar is moved to open position, the chain is free to run over the top of the long limb b of the stopper-bar. By means of the cord or rope c and the chain d the stopper-bar may be moved from one position to the other readily and without danger of the chain striking the operator.

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

1. A chain-stopper, comprising a body with lugs thereon between which a chain is arranged to run, and a stopper-bar slidable through said lugs to engage and hold the chain.

2. A chain-stopper, comprising a body adapted to have a chain run thereon, and a stopper-bar arranged to slide across the chain and engage between two links thereof to lock the same.

3. A chain-stopper, comprising a body adapted to have a chain run thereon, and a stopper-bar slidably mounted in the body and having two limbs arranged to straddle the chain.

4. A chain-stopper, comprising a body arranged to have a chain run thereon, and a stopper-bar comprising two parallel limbs mounted to slide in the body to straddle the chain, one of said limbs being shorter than the other limb, for the purpose specified.

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

MICHEAL ALBERT DREES.

Witnesses:

A. G. FOWLER,
T. FLYNN.