

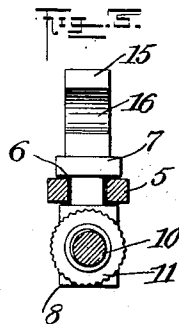
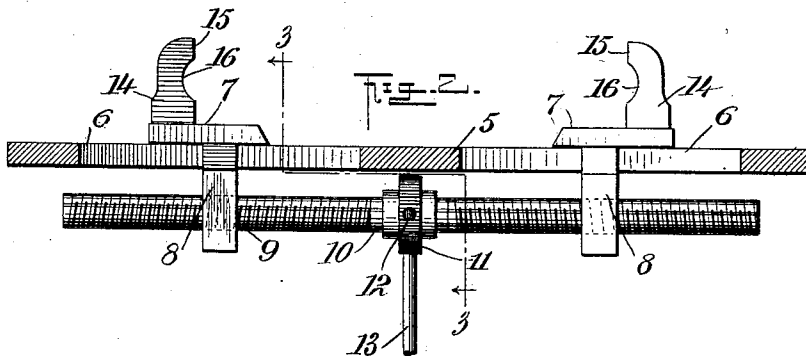
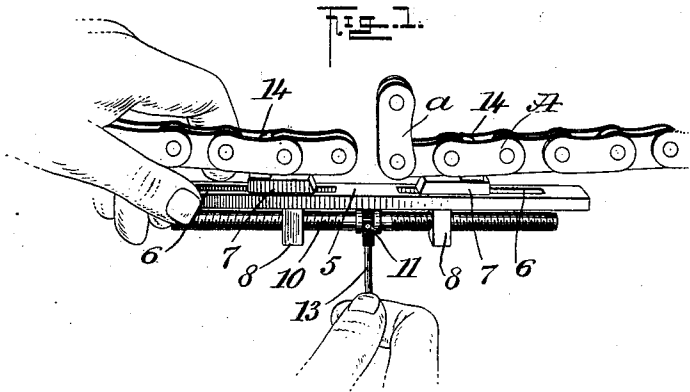
No. 762,060.

PATENTED JUNE 7, 1904.

H. HUHNS.
CHAIN CLAMP.

APPLICATION FILED NOV. 10, 1903.

NO MODEL.



WITNESSES:

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HERMANN HUHN, OF MACON, GEORGIA.

CHAIN-CLAMP.

SPECIFICATION forming part of Letters Patent No. 762,060, dated June 7, 1904.

Application filed November 10, 1903. Serial No. 180,567. (No model.)

To all whom it may concern:

Be it known that I, HERMANN HUHN, a citizen of the United States, and a resident of Macon, in the county of Bibb and State of Georgia, have invented a new and Improved Chain-Clamp, of which the following is a full, clear, and exact description.

My invention appertains to chain-clamps, and has particular application to a novel device so constructed and arranged that screws, bolts, detachable links, rivets, master-links, and the like can be removed from any part of a chain by applying the clamp to the chain in the manner hereinafter described, this action relieving the pressure of the weight of the chain from the parts that are to be detached, so that the separation or removal of a portion of the chain may be quickly and easily attained.

A main advantage incident to my invention and one which I have especially in view as an object is that one or more links may be removed without displacing or taking the chain from the mechanism of which it forms a part or letting the chain hang from the sprocket to the ground, thus obviating the possibility of dirt, sand, or the like clogging or injuring the chain and sprockets.

Another object of my invention is to provide a clamp which may be adjusted to suit any chain and which may be employed without altering or disturbing the chain adjustment, thereby effecting a great saving in time and labor.

A still further object of my invention is the provision of a clamp with which damaged links may be removed from a detachable chain and new ones substituted therefor without affecting the remainder of the chain.

With these objects and others of a similar nature in view my invention consists in the construction, combination, and arrangement of parts, as is described in this specification, delineated in the accompanying drawings, and set forth in the appended claims.

Reference 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 figures.

Figure 1 is a perspective view illustrating

the manner of employing my improved chain-clamp. Fig. 2 is a longitudinal sectional view taken through the clamp, the threaded adjusting-rod, however, being shown in side elevation; and Fig. 3 is a sectional view taken on the line 3 3 of Fig. 2.

Referring now to the accompanying drawings, 5 designates the body portion of the clamp, which in the present instance is in the nature of a relatively long bar or strip having formed therein longitudinally-extending slots 6 6. Mounted to slide upon the body portion are blocks 7 7, each block having a depending arm 8, which extends through the slot over which the block slides, each of said arms being formed with a horizontally-extending threaded bore 9, designed to permit the passage of and receive the adjacent part of a threaded screw-rod 10. This rod, it will be observed, is designed to be rotated or turned through the medium of a thumb-wheel 11, said wheel having sockets 12 formed therein, so that a spindle or pin 13 may be inserted to turn such shaft.

The portion of the rod on one side of the thumb-wheel is formed with right-hand screw-threads, while that upon the opposite side is formed with left-hand screw-threads, so that when the rod is turned the blocks 7 7 may be moved toward or from the center of the body portion, as desired.

Each block is provided with an upwardly-extending lug 14, the top portions 15 of the lugs being curved or turned toward each other, as is clearly shown in Fig. 2, while the sides of the lugs facing the center of the body portion 5 are formed with a cut-away curved portion 16, designed to form a bearing for the end of the chain-link, as will be seen by reference to Fig. 1. By referring to said figure the construction and manner of employing my improved clamp will be readily apparent.

The links of a chain, as at A, are hooked or secured over the lugs with the link it is desired to remove—for instance, a link *a* in Fig. 1, lying intermediate the lugs. The screw-rod is then rotated to bring the blocks toward the center of the body portion, thus removing the weight from the link it is desired to take out, so that the pintles or bolts holding

the link may be quickly removed, the lugs in the meantime sustaining the chain and holding the ends from dropping upon the ground.

After the substitution of the links has taken place the chain may be lifted from the lugs and the clamp removed.

This device will be found extremely convenient and useful for taking links from the chains of automobiles or similar machines, as it may be carried around by the operator of the machine, occupying, as it does, but little space, so that the substitution of links may take place without taking the machine to a repair-shop.

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

1. A device of the class described, comprising a body portion, blocks sliding upon said body portion, lugs carried by said blocks and adapted to enter links of a chain, and means for moving the blocks toward and from each other.

2. A device of the class described, comprising a body portion having a plurality of slots therein, blocks sliding along the slotted sections of the body portion, a lug projecting from the upper face of each block and adapted to enter a link of a chain, a depending arm carried by each of said blocks and extending through a slot of the body portion, and means

for moving the arms and blocks toward and from each other, substantially as set forth.

3. A device of the class described, comprising a body portion having slots formed therein, blocks sliding along the body portion over the slots, an arm carried by each of said blocks and extending through the adjacent slot, each of said arms having a bore therein, a screw-rod supported in the bored portion of the arm and designed to be rotated to move the arms and blocks toward and from each other, and a chain-retaining lug carried by each of said blocks, substantially as set forth.

4. A device of the class described, comprising a bar having a plurality of longitudinally-arranged slots therein, blocks slidable along said bar over the slots, arms carried by said blocks and extending through the slots, a rod connected with said arms and designed to be rotated to move the arms and blocks relatively to each other, and link-retaining means carried by said blocks, substantially as set forth.

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

HERMANN HUHN.

Witnesses:

CHRISTIAN HUHN,
CHARLES K. BOOTH.