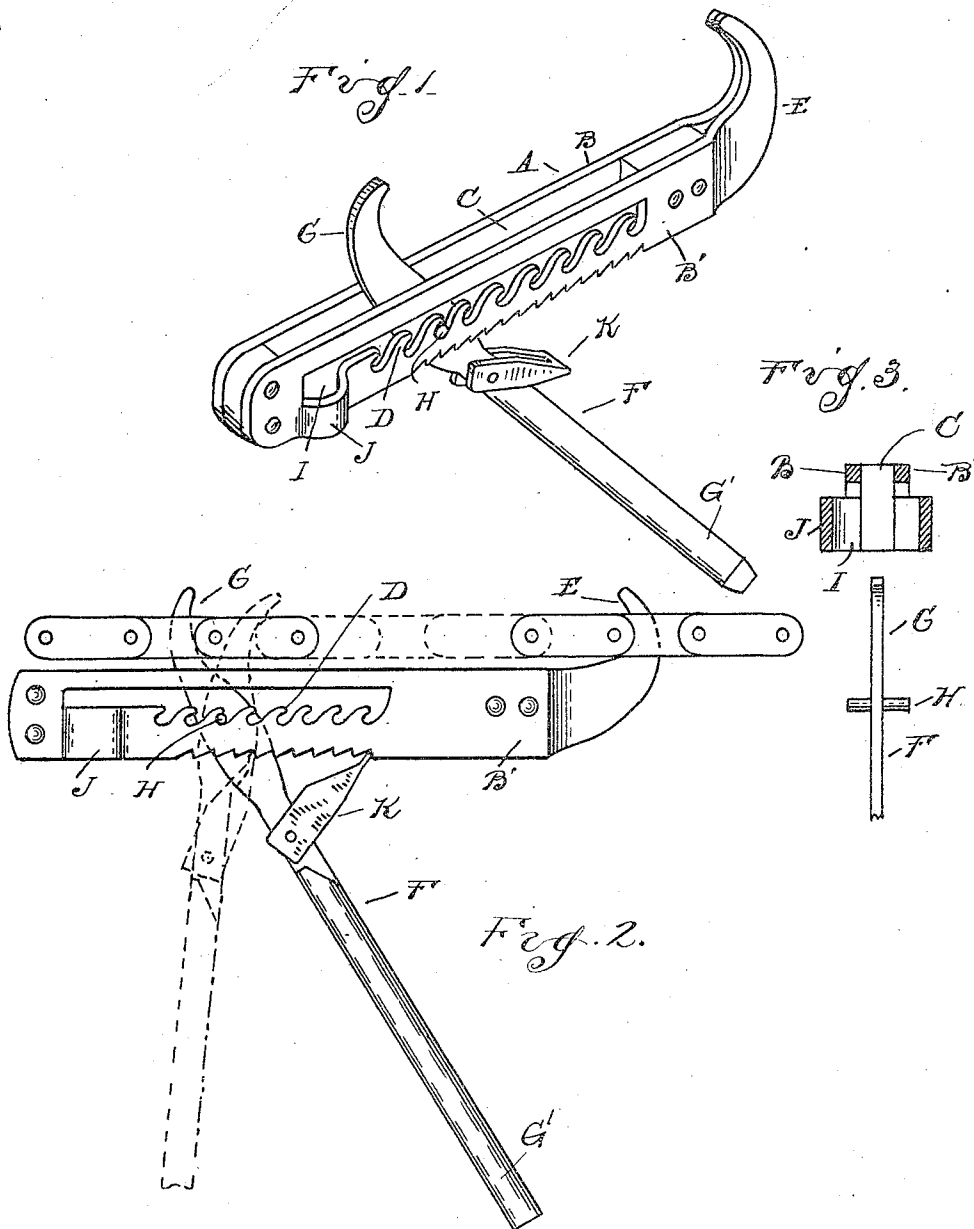


H. T. C. MEYER.  
CHAIN ENGAGING TOOL.  
APPLICATION FILED APR. 17, 1914.

1,140,757.

Patented May 25, 1915.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

HENRY T. C. MEYER, OF DETROIT, MICHIGAN.

## CHAIN-ENGAGING TOOL.

1,140,757.

Specification of Letters Patent.

Patented May 25, 1915.

Application filed April 17, 1914. Serial No. 838,451.

*To all whom it may concern:*

Be it known that I, HENRY T. C. MEYER, a citizen of the United States of America, residing at Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Chain-Engaging Tools, of which the following is a specification, reference being had therein to the accompanying drawings.

It is the object of the invention to obtain a tool for facilitating the joining of the links of sprocket chains, and the invention comprises the construction as hereinafter set forth.

In the drawings: Figure 1 is a perspective view of the tool; Fig. 2 is a side elevation showing the sprocket chain in engagement therewith; and Fig. 3 is a cross section showing the two parts of the tool detached.

A is a longitudinally slotted member, having the parallel side bars B and B', which bars are also slotted at C and provided with a series of ratchet teeth D along one side of the slot.

E is a hooked jaw member at one end of the member A.

F is a bar insertible in the slot between the bars B and B' and having a hooked jaw G and a handle portion G', the hooked jaw and handle portion being on opposite sides of the bars.

H is a cross pin upon the bar F, which is engageable with the slot C through entrance slots I formed by outwardly-bent U-shaped portions J of the bars B and B'. The arrangement is such that the bar F may be inserted in the slot and the pin H passed through the entrance slots I into the slot C, where it may be adjusted longitudinally into engagement with any one of the ratchet teeth D.

In use, where it is desired to draw the ends of a sprocket chain together so as to attach the links thereof, the jaw E is first engaged with the link at one end of the chain, and the bar F is then adjusted along the slots C to position the pin H, so that the jaw G may be engaged with a link at the opposite end of the chain. By then moving the rod F with the pin H as a fulcrum, the ends of the link may be forced toward each other until in position for engagement of the attaching link. To hold the tool after the chain is tightened, a locking device is preferably provided, such as the bail-link K pivotally secured to the rod

or lever F, and adapted to be turned up into the position shown in dotted lines in Fig. 2, where it will act as a stop to prevent movement of the lever.

What I claim as my invention is:—

1. A chain engaging tool, comprising a member having a hooked jaw at one end and spaced side bars longitudinally slotted and provided with notched bearings on one side of the slot, a bar insertible between said spaced side bars having a jaw at its end, and a cross pin engageable with said slots and adjustable into the various notched bearings.

2. A chain engaging tool, comprising a member having a jaw at one end and spaced side bars longitudinally slotted and provided with notched bearings on one side of the slot, a bar having a jaw at the end thereof insertible between said spaced side bars and provided with a cross pin, and outwardly-bent portions of said side bars forming an entrance slot for said cross pin to engage the same with said longitudinal slots to permit of adjustment of said pin into engagement with the various notched bearings.

3. A chain engaging tool, comprising a member having a hooked jaw at one end and spaced parallel side bars longitudinally slotted and provided with notched bearings along one side of the slot, said bars being also provided with laterally deflected portions forming entrance slots into said longitudinal slots, a bar having a hooked jaw at one end insertible between said spaced bars, and a cross pin on said bar insertible through said entrance slot into said longitudinal slot and engageable with the various notched bearings.

4. A chain engaging tool, comprising a member having a hooked jaw at one end and spaced parallel side bars, each having a longitudinal slot notched on one side, a portion of said bar on one side of said slot at one end being laterally deflected to form an entrance slot, a bar having a hooked jaw at its end insertible between said spaced bars, and a cross pin on said bar insertible through said entrance slot into said longitudinal slot and engageable with the notched bearings thereof.

5. A chain engaging tool, comprising a member having a hooked jaw at one end and spaced parallel side bars longitudinally slotted and provided with a series of notched bearings on one side of the slot, a member insertible between said bars, having a hooked

jaw at its end, a cross pin on said member engageable with said slots and adjustable into the various notched bearings to form a fulcrum for the rocking of said bar, and a  
5 stop member secured to said bar adjustable to hold the same in locked position.

6. A chain engaging tool, comprising a member having a hooked jaw at one end and spaced side bars longitudinally slotted  
10 and provided with notched bearings extending longitudinally thereof, a bar between said spaced side bars having a jaw portion

adjacent one end and a handle portion adjacent the opposite end, and a means adjacent said jaw portion for pivotally engaging said bar with said notched bearings, the handle and jaw portions being on opposite sides of the hooked jaw member. 15

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

HENRY T. C. MEYER.

Witnesses:

JAMES P. BARRY,

HENRIETTA E. BOWMAN.