

F. YOCH.
RAIL BENDING AND STRAIGHTENING DEVICE.
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975,192.

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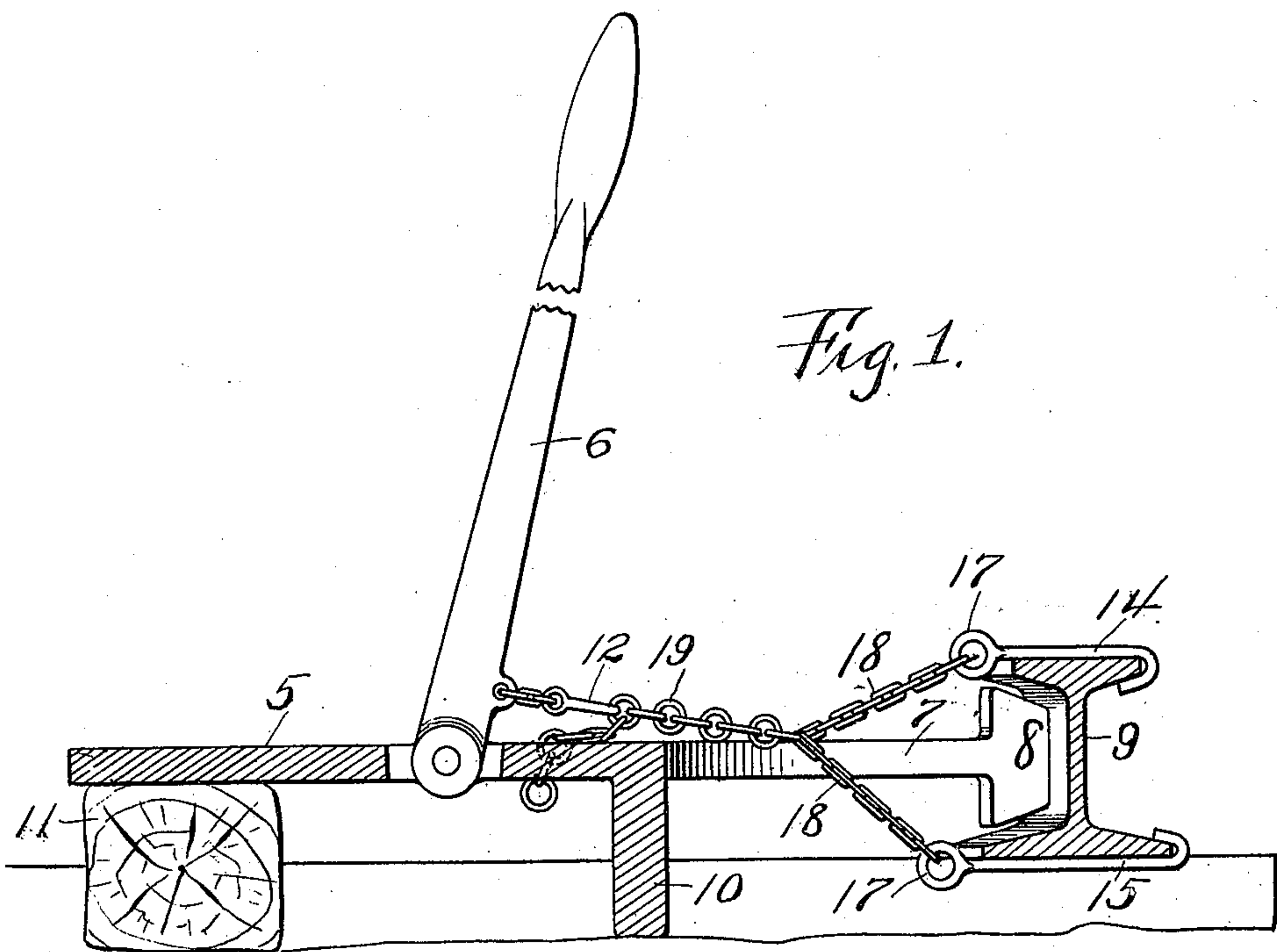


Fig. 1.

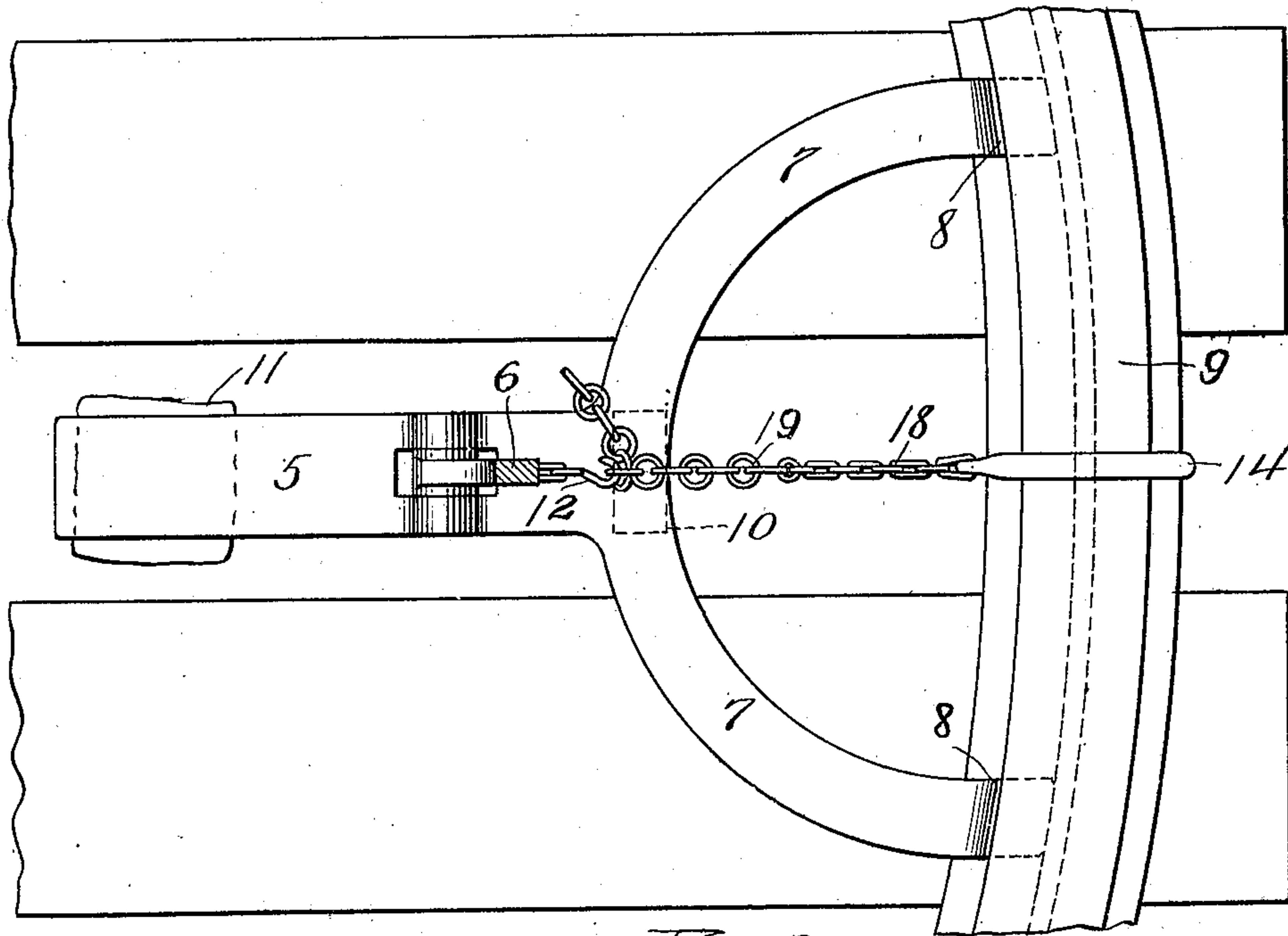


Fig. 2.

WITNESSES

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FRANK YOCH, OF CLAYTONIA, PENNSYLVANIA.

RAIL BENDING AND STRAIGHTENING DEVICE.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, FRANK YOCH, a citizen of the United States of America, residing at Claytonia, in the county of Butler and State of Pennsylvania, have invented certain new and useful Improvements in Rail Bending and Straightening Devices, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to certain new and useful improvements in rail bending and straightening devices, and has for its main object to provide a device which can be readily applied in position on a railway track and employed for bending or straightening a rail or the rails thereof.

The invention consists in the novel construction, combination and arrangement of parts as will be hereinafter more specifically described, and then specifically claimed, and in describing the invention in detail, reference is had to the accompanying drawing showing a preferred embodiment of my invention, and wherein like numerals of reference will be employed for indicating like parts throughout the different views, in which:—

Figure 1, is a longitudinal sectional view of the device attached to a rail, the latter being shown in cross section, and Fig. 2, is a top plan view of the device attached to a rail, the lever being in section.

To put my invention into practice, I provide a bar or plate 5, in which, intermediate the ends thereof is pivoted a lever 6, the bar or plate constituting a supporting frame for the lever. Said bar at its one end has two integral branches or arms 7 forming a yoke, and which, at their outer ends are provided with heads 8 which are so shaped on their upper and lower faces as to permit their ready entry between the head and base flange of a rail 9, and engage with the flange of said rail as shown in the drawings. Depending from the bar 5 at the inner end of the latter, is a leg 10, which supports the device at this point, and, when the device is in use, a block as 11 is placed under the outer end of the bar 5.

Connected to the lever 6, at a point slightly above the bar 5, is a hook 12 and clamps or hooks 14, 15 are employed for

engaging the tread and base flange of the rail 9; these clamps or hooks 14, 15 are each provided at the inner end with an eye 17, and attached to these eyes are branches 18, of a chain 19, having one of its links connected with the hook 12.

The operation of the device will be readily apparent to those skilled in the art. The device is placed in position for use, in the manner shown in the drawing, and it will be evident that when the lever is moved toward the outer end of the bar 5, that the portion of the rail lying between the heads 8 of the yoke, and engaged by the clamps 14, 15 will be drawn toward the lever. It is preferable to make the clamp 15 longer than the clamp 14, so as to effect a perfect grip with the base flange of the rail, and it will be evident that these clamps may be of a form so as to fit neatly with the head and base of the rail respectively, and it will also be evident that various changes may be made in the details of construction without departing from the general spirit of the invention.

Having fully described my invention, what I claim is:

1. A rail bending device comprising a bar having a supporting foot at its inner end, a yoke carried by the inner end of said bar and having the arms thereof provided at their free ends with heads, a lever pivoted in said bar at a point back of the supporting foot and carrying a hook at a point above the bar, a pair of rail-engaging clamps, and a chain connected with said hook of the lever and having branches connected with said rail-engaging clamps.

2. In a rail bending device, a supporting-bar terminating at one end in a yoke the arms of which are provided at their free ends with heads, a lever pivoted to the bar intermediate the ends of the latter, a pair of rail-engaging clamps, and a chain connected with the lever and having branches connected to said clamps.

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

FRANK YOCH.

Witnesses:

KARL H. BUTLER,
MAX H. SROLOVITZ.