

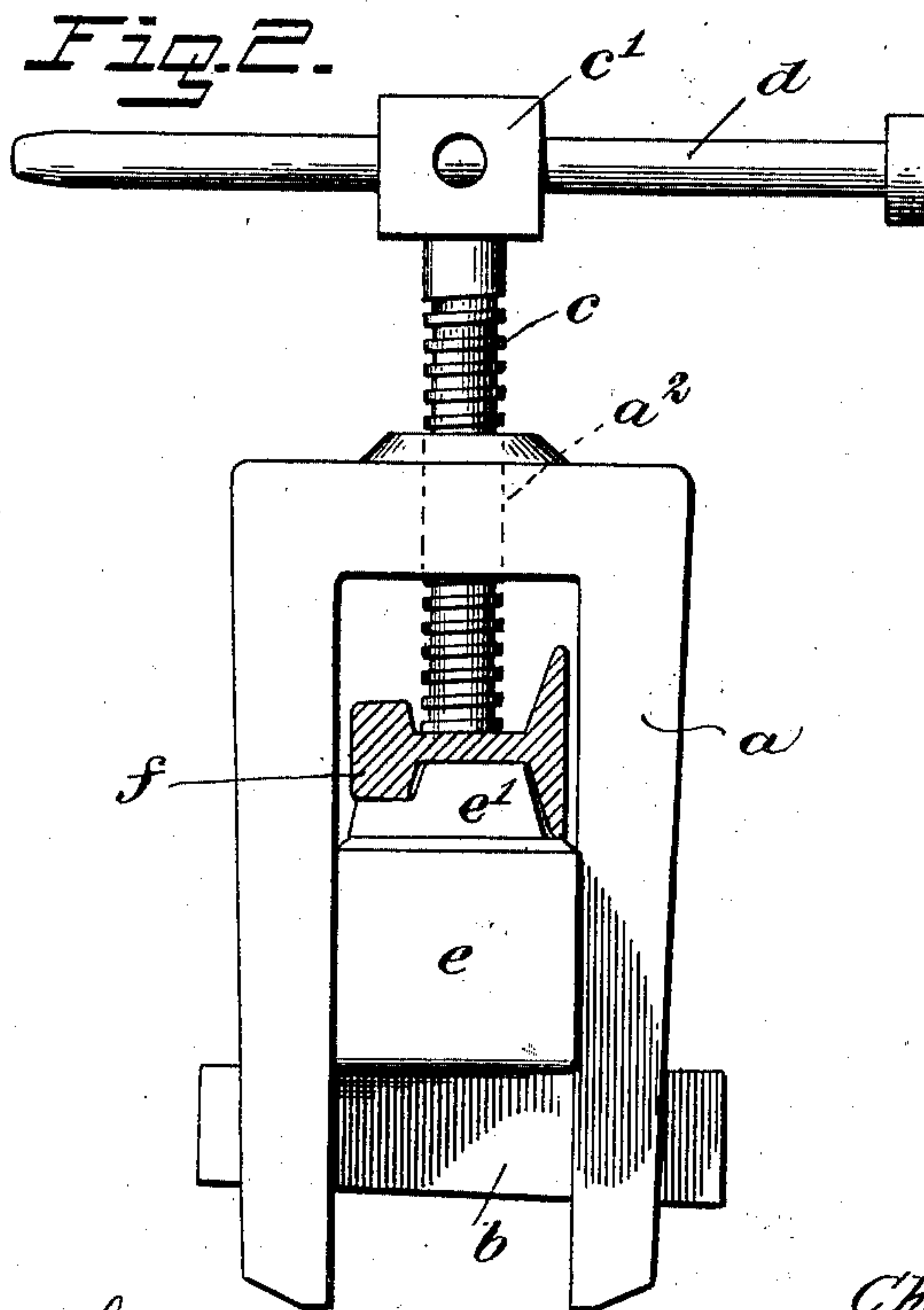
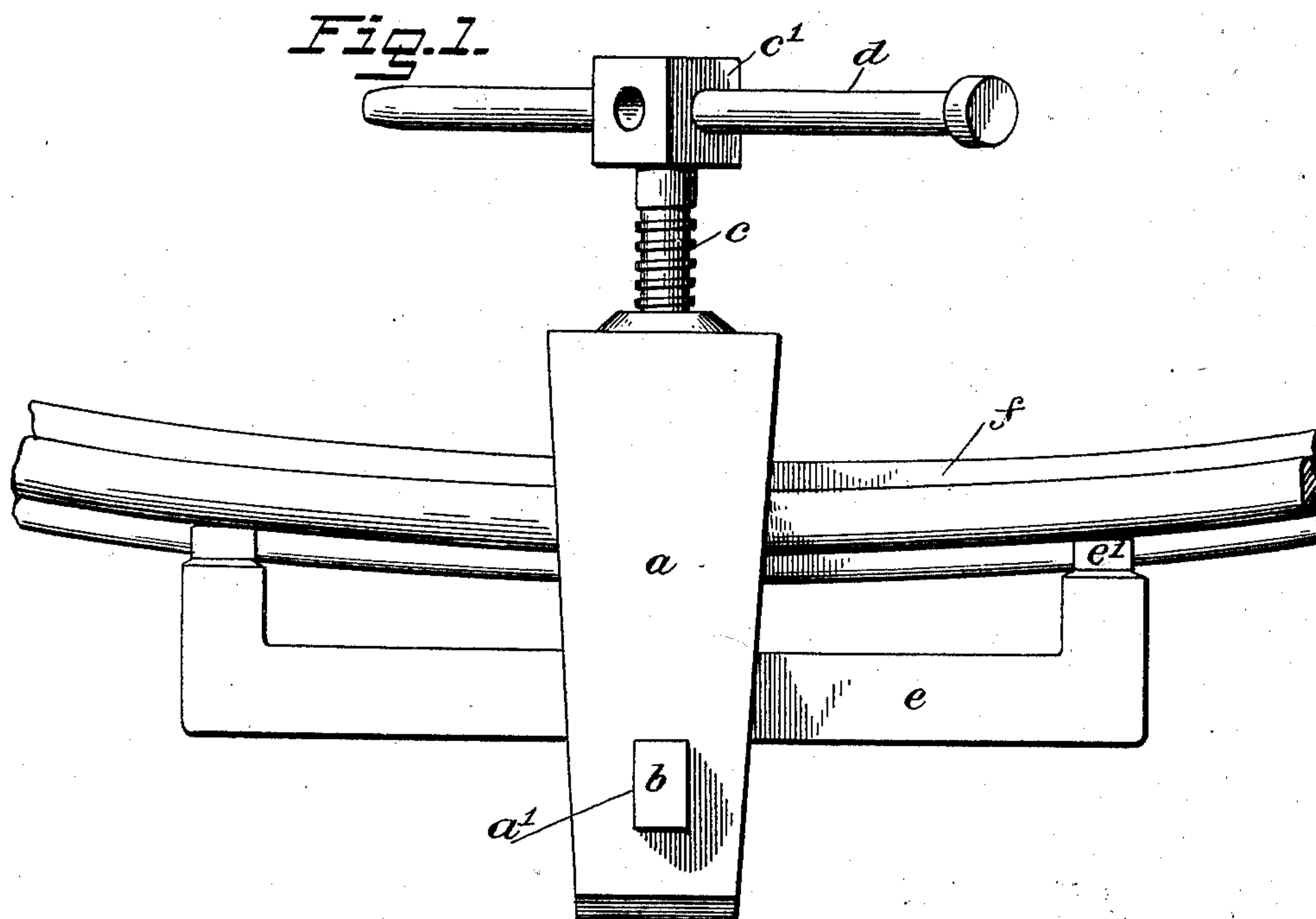
No. 719,760.

PATENTED FEB. 3, 1903.

C. A. DAVIS.  
RAIL BENDER.

APPLICATION FILED AUG. 20, 1902.

NO MODEL.



WITNESSES:

*James F. Duhamel*

*Isaac B. Owens.*

INVENTOR

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BY *Munn & Co.*

ATTORNEYS.

# UNITED STATES PATENT OFFICE.

CHARLES ALBERT DAVIS, OF ROCKVALE, COLORADO.

## RAIL-BENDER.

SPECIFICATION forming part of Letters Patent No. 719,760, dated February 3, 1903.

Application filed August 20, 1902. Serial No. 120,308. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES ALBERT DAVIS, a citizen of the United States, and a resident of Rockvale, in the county of Fremont and State of Colorado, have invented a new and Improved Rail-Bender, of which the following is a full, clear, and exact description.

This invention relates to an apparatus for bending metallic bars, particularly railway-rails, and by its means railway-rails may be straightened, or, if straight, they may be bent to form curves therein, adapting the rails to curved tracks.

The invention involves various novel features of construction, which will be fully described hereinafter.

This specification is an exact description of one example of my invention, while the claims define 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 both the views.

Figure 1 is a side elevation of the invention, and Fig. 2 is an end elevation thereof, both views showing the invention in use.

The apparatus comprises a fork having a U-shaped main portion *a*, the lower end of which is open, as shown, and each side near its lower end is formed with openings *a'*, which are laterally alined to receive a key *b*, which extends across between the arms of the body *a*. In the upper or opposite end of the body *a* is formed a longitudinally-disposed internally-threaded opening *a*<sup>2</sup>, and in this opening works a screw *c*, the head *c'* of which is orificed to receive loosely a bar *d*, forming a handle.

*e* indicates a U-shaped bridge adapted to be set in between the side parts of the body *a* and to bear at its middle on the key *b*, as illustrated.

*e'* indicates seats in the bridge *e* for the rail. (See Fig. 2.)

In using the invention the parts are assembled as shown in the drawings, and the rail, which is indicated at *f* in the drawings, is projected through the body *a* and rested on the upwardly-disposed end parts of the

bridge *e*. The screw *c* is then operated to move down and bear on the rail at a point intermediate the ends of the bridge *e*. It is clear that by increasing the pressure on the screw the rail will be bent downward between the upwardly-projected ends of the bridge. The key *b* being removably placed in the body *a* enables the apparatus to be adjusted to a rail without necessitating handling the rail itself.

Various changes in the form and details of my invention may be resorted to at will without departing from the spirit of my invention. Hence I consider myself entitled to all forms of the invention as may lie within the intent of my claims.

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

1. The combination of a U-shaped body portion, a pressure-exerting device working in the closed end thereof, a key forming a stop device removably held in the open end thereof, and a bridge adapted to extend through the body and bear on said stop device, for the purpose specified.

2. The combination of a U-shaped body portion, a pressure-exerting device working in the closed end thereof, a key forming a stop device removably held in the open end thereof, and a bridge adapted to extend through the body and bear on said stop device, for the purpose specified, said bridge being U-shaped and having its ends projecting above the pressure device.

3. The combination of a U-shaped body, a pressure-screw working in the closed end thereof, a key removably fitted in the open end of the body, and a U-shaped bridge adapted to extend through the body and having its ends disposed toward said screw.

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

CHARLES ALBERT DAVIS.

Witnesses:

THEODORE CHAMPION,  
JOSEPH PERINO.