

S. McKENNA.
PORTABLE PUNCH.

No. 10,681.

Patented Mar. 21, 1854

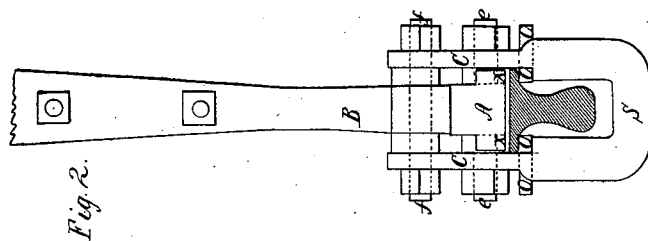


Fig. 2.

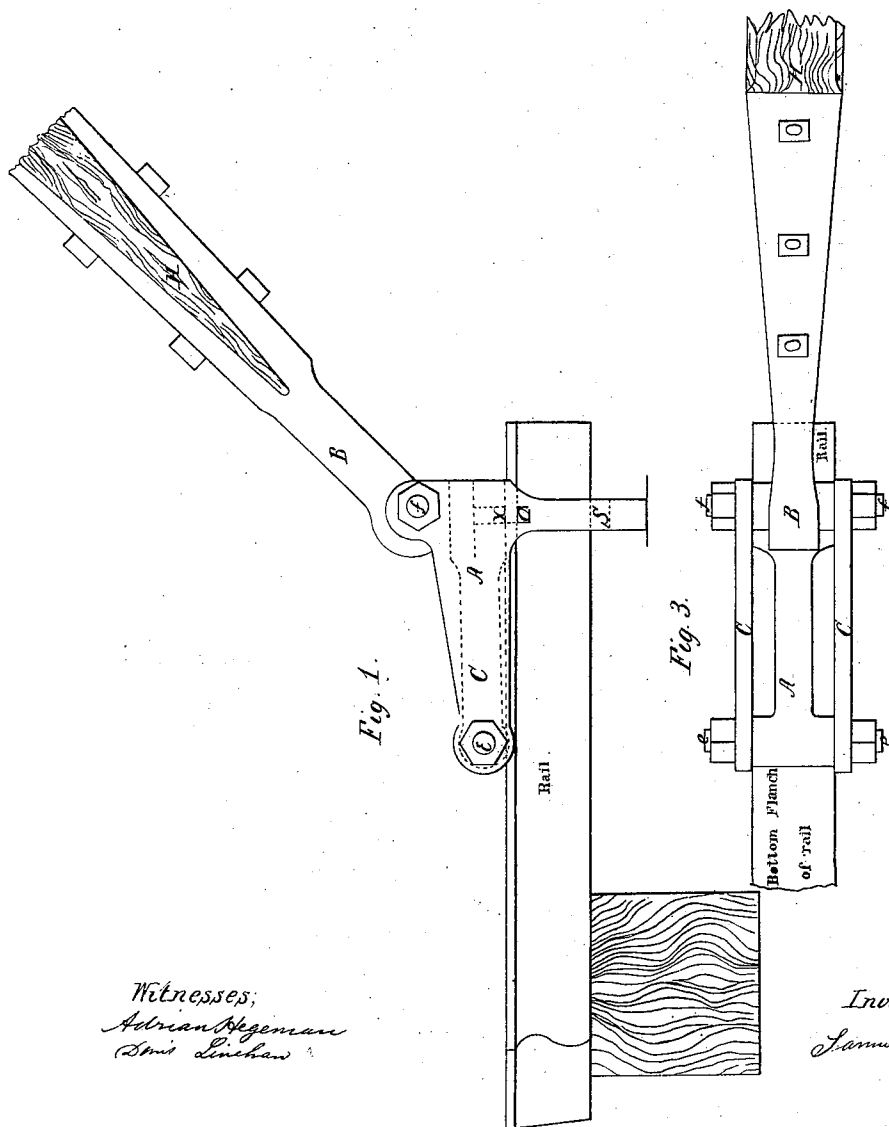


Fig. 1.

Fig. 3.

Witnesses:
Adrian Hegeman
Doris Linshaw

Inventor:
Samuel McKenna

UNITED STATES PATENT OFFICE.

SAMUEL McKENNA, OF CINCINNATI, OHIO.

PORTABLE METAL-PUNCH.

Specification of Letters Patent No. 10,681, dated March 21, 1854.

To all whom it may concern:

Be it known that I, SAMUEL McKENNA, of the city of Cincinnati, county of Hamilton, and State of Ohio, have invented a new and useful Machine, which I call a portable punch for punching the notches required in the lower flanges of wrought iron rails near their extremities to secure them to the chair on which they are laid to form the railroad-track; and I hereby declare that the following is a full, clear, and exact description of its construction and mode of operation, reference being had to the annexed drawings making a part of this specification, in which—

Figure 1 represents the side elevation of the punch placed on the rail for the purpose of operating; Fig. 2, a front elevation, and Fig. 3 a plan of the same, the same letters designating the same parts in all the figures.

A is a tongue of wrought iron, or other metal, turning on the bolt *e e*, bearing the steel dies or cavities, seen in Figures 1 and 2 defined by dotted lines marked X X, and serving to distribute and transmit the pressure brought upon it by the steel or metal eccentric B turning around the axle marked *f f* and maneuvered by the strong wooden lever marked H only partly shown in the drawing.

C C, are jaws of wrought iron, or other suitable metal, embracing the flanges of the rail connected by the stirrup *s* which passes under it, and supporting the punches *o, o, o*, which have a suitable shape and projection to make the required notches or holes to be punched.

To operate the machine, raise the end of the rail a few inches above ground, bottom flange upward, place the punch over the end of it as shown in Figs. 1 and 2 shoving it back until the punches are at the gage mark for the holes or notches, then by the lever, revolve the eccentric.

I do not claim the invention of the punches, the dies, or lever and eccentric as a means of applying pressure; but—

What I claim, and wish to secure by Letters Patent, is—

The arrangement for a portable punch, of the tongue connected jaws, stirrups, punches, dies, lever and eccentric, as hereinbefore described.

SAMUEL McKENNA.

Witnesses:

ADRIAN HEGEMAN,
DENIS LENIHAN.