

H. W. CHASE.

CAR-COUPLING.

No. 171,504.

Patented Dec. 28, 1875.

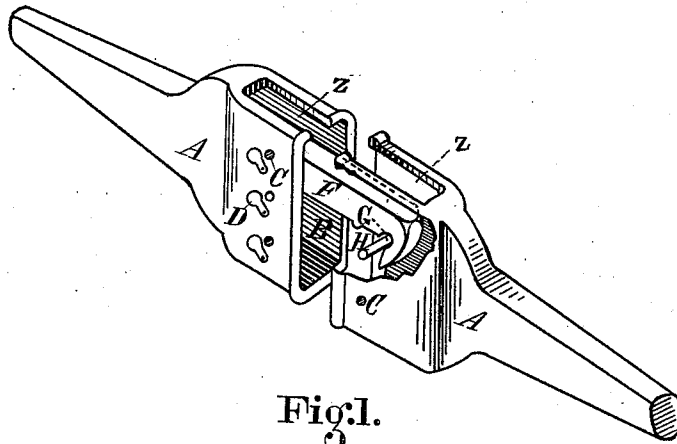


Fig. 1.

Witnesses:
H. E. Metcalf
R. L. Walker

Inventor:
Henry W. Chase,
Per C. A. Shaw,
Atty.

UNITED STATES PATENT OFFICE.

HENRY W. CHASE, OF SUMNER, MAINE.

IMPROVEMENT IN CAR-COUPPLINGS.

Specification forming part of Letters Patent No. **171,504**, dated December 28, 1875; application filed October 7, 1875.

To all whom it may concern:

Be it known that I, HENRY W. CHASE, of Sumner, in the county of Oxford, State of Maine, have invented a certain new and useful Improvement in Car-Couplers, of which the following is a description sufficiently full, clear, and exact to enable any person skilled in the art or science to which my invention appertains to make and use the same, reference being had to the accompanying drawing, forming a part of this specification, in which—

Figure 1 is an isometrical perspective view.

My invention relates to that class of car-couplers which work automatically, or are self-coupling; and consists in a novel construction and arrangement of the parts, as hereinafter more fully set forth and claimed, by which a simpler, cheaper, and more effective device of this character is produced than is now in ordinary use.

The nature and operation of my invention will be readily obvious to all conversant with such matters, from the following description:

In the drawing, A A represent draw-bars having the hollow heads B, and provided with elongated slots *z z* upon their upper sides. These bars have a series of holes, C, arranged vertically near their contiguous ends for receiving the pins or draw-bolts, H, which are

inserted laterally in the heads, and kept in position by the buttons D. A rod, F, provided with hooks G upon either end, is inserted in the heads B, and may be raised or lowered or removed to uncouple the cars through the slots *z z*, when the draw-bar heads join or prevent access to it in any other manner.

It will be obvious that, by means of the pins H and series of holes C, the hooked coupling-rod F may be raised or lowered, at either end, as occasion requires, to connect cars of varying heights.

I am aware that a draw-head has been constructed with a single pin and hook, as shown in patent to Dowling & Perry, November 7, 1871; but this is not my invention.

Having thus explained my invention, what I claim is—

The improved car-coupler described, consisting of the coupling-rod F, provided with the hooks G and the draw-bars A A, provided with the heads B, the series of holes C, buttons D, pins H, and elongated slots *z z*, all constructed and arranged to operate substantially as set forth and specified.

HENRY W. CHASE. [L. S.]

Witnesses:

HIRAM S. COBURN,
GILBERT TILTON.