

J. X. PEASE.
Car-Couplings.

No. 147,428.

Patented Feb. 10, 1874.

Fig. 1.

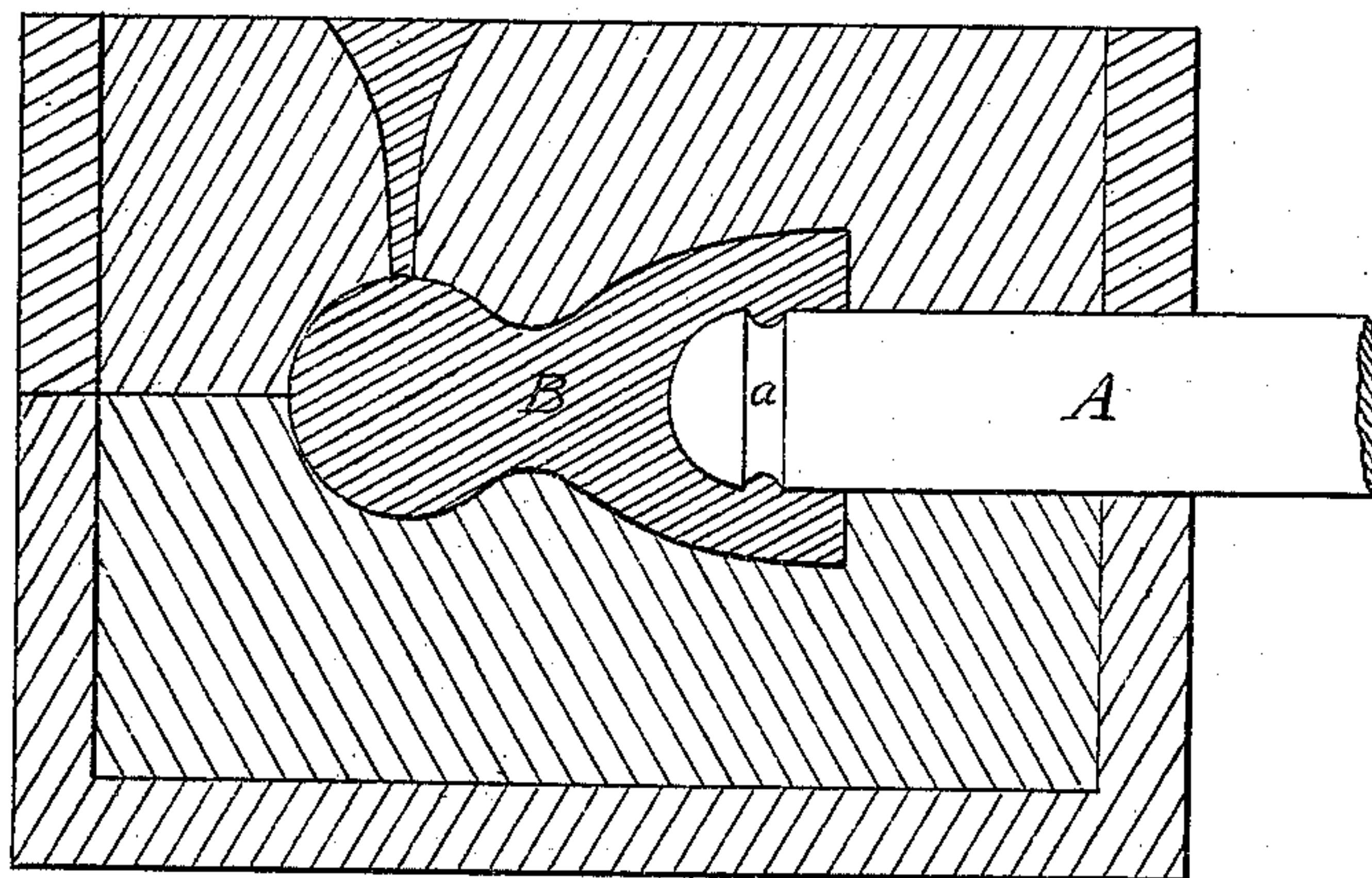


Fig. 2.

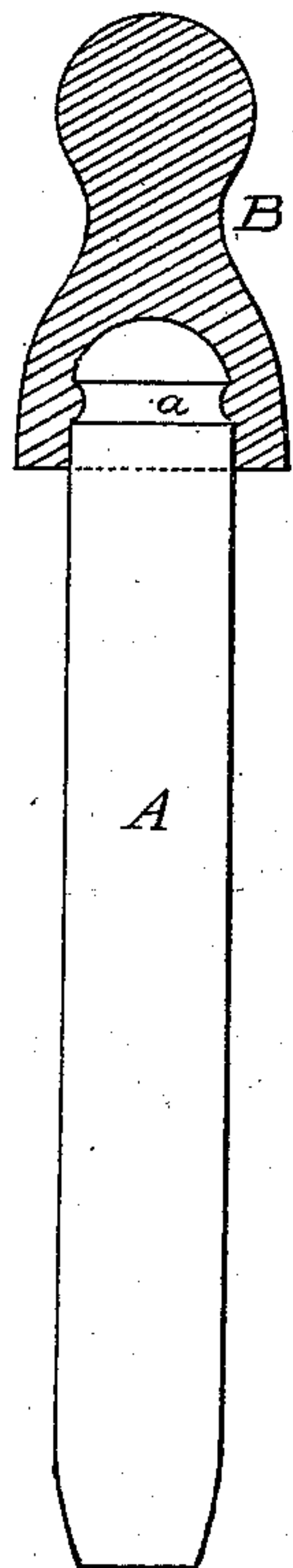
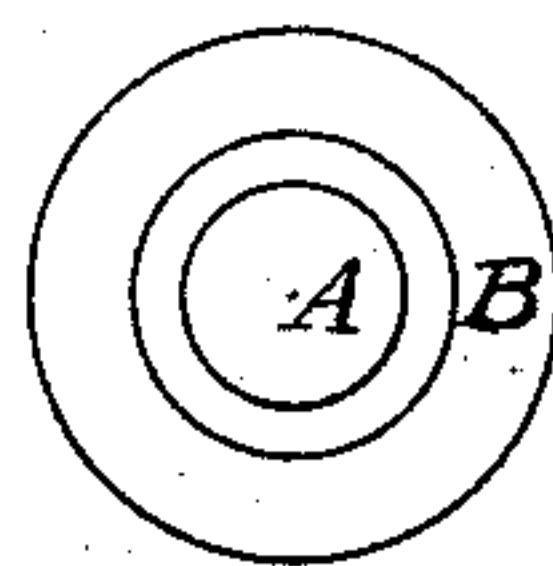


Fig. 3.



WITNESSES

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By

INVENTOR

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UNITED STATES PATENT OFFICE.

JONATHAN X. PEASE, OF IRWIN'S STATION, PENNSYLVANIA, ASSIGNOR OF
ONE-HALF HIS RIGHT TO CHARLES H. CARUTHERS.

IMPROVEMENT IN CAR-COUPPLINGS.

Specification forming part of Letters Patent No. **147,428**, dated February 10, 1874; application filed
December 13, 1873.

To all whom it may concern:

Be it known that I, JONATHAN X. PEASE, of Irwin's Station, in the county of Westmoreland and State of Pennsylvania, have invented a new and valuable Improvement in Coupling-Pins; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of a view of my coupling-pin. Fig. 2 is a view of my coupling-pin as applied. Fig. 3 is a detail view.

This invention has relation to link-pins for the couplings of railroad-cars; and it consists in a wrought-iron coupling-pin having a cast-iron head. My object is not only to facilitate and cheapen the manufacture of these pins, but also to construct them in such manner that, in the event of a pin becoming bent from any cause, the head thereof can be readily cracked and removed from its shank, and the latter straightened and again used by casting another head on it, as will be hereinafter fully explained.

In the annexed drawings, A represents the shank of the improved coupling-pin, which is made of wrought-iron, and which may have an

annular groove, *a*, around its head portion. B represents the head of the pin, which is of cast-iron. Fig. 2 shows a practical mode of casting the head B on the wrought-iron shank A, and consists in molding the head with two-part patterns in a sand-flask, leaving the pin-shank in the flask. When the pattern-sections have been removed from the sand and the sections of the flask have been put together, the metal poured through the sprue-hole will fill up the mold for the head and leave shank A headed, as shown in Figs. 1 and 2.

Such a head can be readily broken and removed from the shank in case the latter becomes bent, so that the bent shank can be easily straightened and again used by casting another head on it.

What I claim as new, and desire to secure by Letters Patent, is—

A wrought-metal coupling-pin, A, having a cast-metal head, B, as and for the purpose set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

JONATHAN X. PEASE.

Witnesses:

S. C. REMSBERG,
ROBT. W. WRIGHT.