

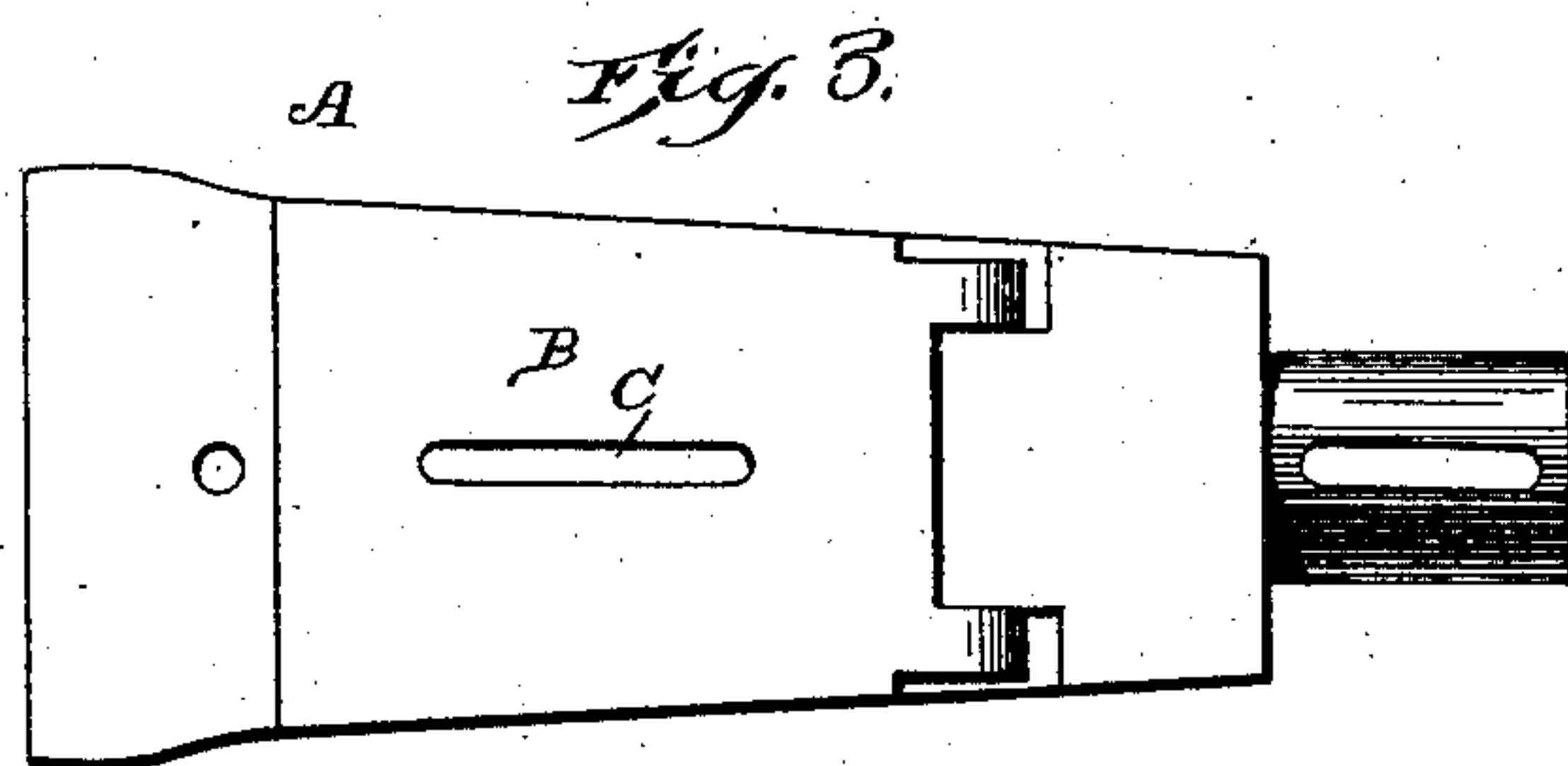
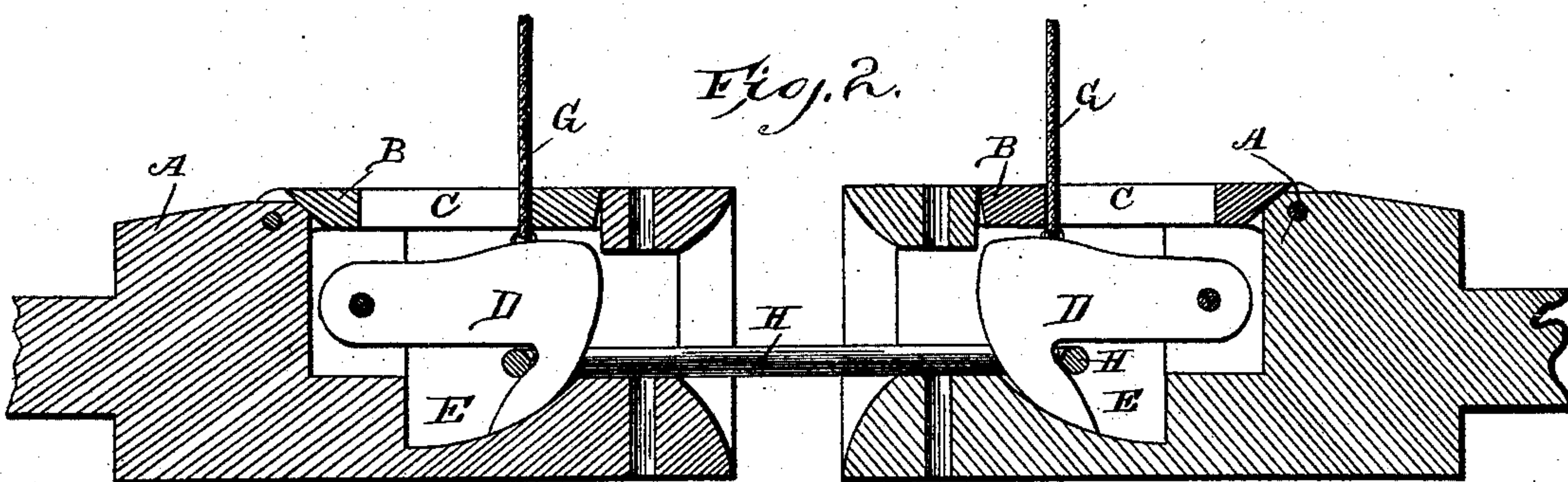
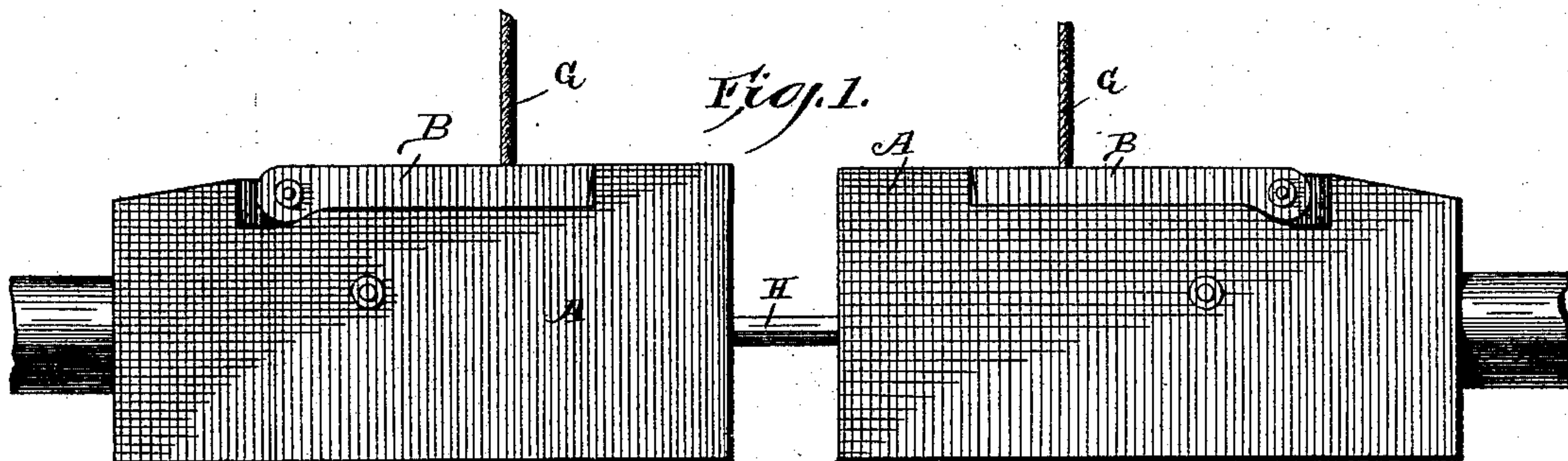
(No Model.)

A. S. BAILEY.

CAR COUPLING.

No. 372,286.

Patented Nov. 1, 1887.



Witnesses
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UNITED STATES PATENT OFFICE.

ALEXANDER STEPHEN BAILEY, OF SENEY, GEORGIA.

CAR-COUPLING.

SPECIFICATION forming part of Letters Patent No. 372,286, dated November 1, 1887.

Application filed September 14, 1887. Serial No. 249,706. (No model.)

To all whom it may concern:

Be it known that I, ALEXANDER STEPHEN BAILEY, a citizen of the United States, residing at Seney, in the county of Polk and State of Georgia, have invented new and useful Improvements in Car-Couplings, of which the following is a specification.

My invention relates to improvements in car-couplings; and it consists in a certain novel construction and arrangement of parts fully set forth hereinafter, and specifically pointed out in the claim.

In the drawings, Figure 1 is a side view of two couplers constructed according to my invention. Fig. 2 is a longitudinal section of the same. Fig. 3 is a top plan view of one of the draw-heads.

Referring by letter to the drawings, A designates the draw-head, having the ordinary flared mouth, and the upper side of the said head is left open and provided with a pivoted lid or door, B, having a longitudinal slot, C, therein. Within the draw-head is pivoted the coupling-hook D, under the lid B, and having a downwardly-beveled front end. The lower end of the said hook is adapted, when in its lowered or engaging position, to rest in a slot or socket, E, in the lower side of the draw-head opening.

G designates an uncoupling cord or chain attached at the lower end to the coupling-hook near the front end and passing up through the slot C in the lid or door B, whence it is conveyed over a pulley or through any suitable guide, so that the other end of the said cord or chain will be within reach of the train-hands.

The coupling-link is represented by the letter H.

The operation of the device will be obvious from the above. As two cars provided with my improved couplers approach each other to couple, the front end of the coupling-link, which is borne by one of the draw-heads, enters the flared mouth of the other draw-head, bears against the beveled front end of the hook therein, and raises the same. As the hook is directly under the pivoted lid or door B, and

is in contact with the under side thereof, as the hook rises it also raises the front end of the said lid or door, and when the coupling-link has passed sufficiently into the draw-head the hook will drop, engaging at the end in the slot in the lower side of the draw-head opening, and the lid B will also drop.

The object in providing the upper side of the draw-head with a pivoted or hinged lid is as follows: The hook must be of sufficient size to be strong enough to withstand the strain imposed upon it, and it is of advantage to have the draw-head as small as possible. Therefore there must be an opening in the upper side of the draw-head to allow the hook to operate, and, as to leave the said opening open at all times would allow dirt to enter the draw-head and interfere with the action of the hook, the said opening is provided with a lid which will be operated by the hook, rising when it rises and closing the opening at all other times. A further object of the said lid or door is to render the hook heavier to form a surer coupling.

Having thus described my invention, I claim—

In a car-coupling, the combination of the draw-head A, having an opening in the upper side, coupling-hook pivoted within the draw-head and having a beveled front end and adapted to engage at the end in a slot or socket in the lower side of the draw-head, the pivoted or hinged door or lid B over the opening in the upper side of the draw-head, having a slot, C, therein, the said lid being adapted to be raised by the hook when a coupling is formed and to close the said opening in the lowered position, and the cord or chain connected to the end of the hook and passing through the slot C, as and for the purpose specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

ALEXANDER STEPHEN BAILEY.

Witnesses:

W. J. BRIDGES,
HENRY BOX.