

H. J. STUBBS.

Thill-Coupling Attachments.

No. 142,960.

Patented September 16, 1873.

FIG. 1.

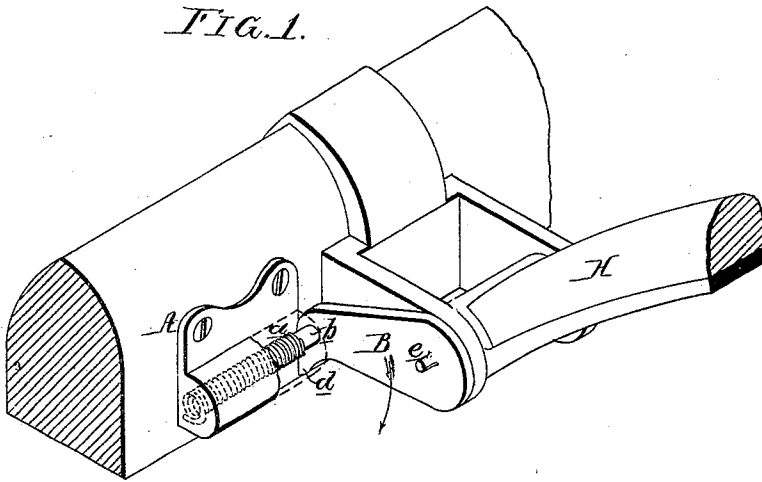
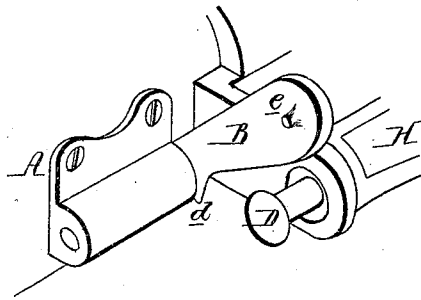


FIG. 2.



Witnesses, Harry Smith
Hubert Howson

Harry J. Stubbs
by his Atty.
Howson and Son

UNITED STATES PATENT OFFICE.

HARRY J. STUBBS, OF KENNETT SQUARE, PENNSYLVANIA.

IMPROVEMENT IN THILL-COUPLING ATTACHMENTS.

Specification forming part of Letters Patent No. **142,960**, dated September 16, 1873; application filed August 21, 1873.

To all whom it may concern:

Be it known that I, HARRY J. STUBBS, of Kennett Square, Chester county, Pennsylvania, have invented an Improved Attachment for Thill-Couplings, of which the following is a specification:

The object of my invention is to retain the pins of thill-couplings in position, and to enable the same to be readily removed and replaced when necessary, and this object I accomplish by the use, in connection with an ordinary thill-coupling, of the attachment illustrated in the perspective views, Figures 1 and 2, of the accompanying drawing, which consists simply of a case or bracket, A, and arm B, the latter being retained in a position directly over the head of the coupling-pin D by a spring, *a*, wound upon the spindle *b*, to which the said arm is connected.

The spring *a* tends to turn the arm in the direction of the arrow, Fig. 1, but this tendency is resisted by a projection, *d*, at the inner end of the arm which bears against the case or axle, and thus acts as a stop to retain the said arm in a position opposite the pin.

By simply raising the retaining-arm, by means of its projection *e*, as shown in Fig. 2, the coupling-pin D is exposed, and may be withdrawn for the purpose of disconnecting the shaft or pole H; and, after reinserting the pin, the arm, when released, will again resume its position over the head of the same and prevent its accidental withdrawal.

The case or bracket A is secured to the axle independently of the clip, and this is the special feature of the invention, the said case and its spring-arm forming a complete attachment, adapted to any ordinary thill-coupling, without requiring any alteration of the latter.

I claim as my invention—

The case A, carrying an arm, B, and operating spring *a*, and adapted to be secured to an axle adjacent to a thill-coupling, as set forth.

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

HARRY J. STUBBS.

Witnesses:

EVAN P. GREEN,
FERD. TODD.