

## Thill-Coupling Attachments.

Patented September 16, 1873.

Harry J. Stubbs  
By his Atty.  
Howson and Son

# UNITED STATES PATENT OFFICE.

HARRY J. STUBBS, OF KENNETT SQUARE, PENNSYLVANIA.

## IMPROVEMENT IN THILL-COUPPLING 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the retaining-arm, by means of its projection *e*, as shown in Fig. 2, the coupling-pin D is exposed, and may be withdrawn for the purpose of disconnecting the shaft or pole H; and, after reinserting the pin, the arm, when released, will again resume its position over the head of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.