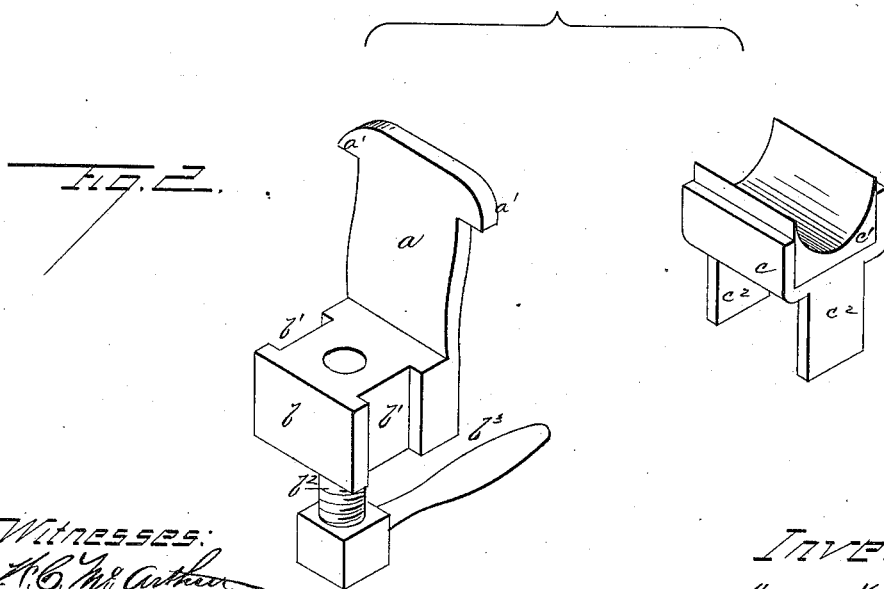
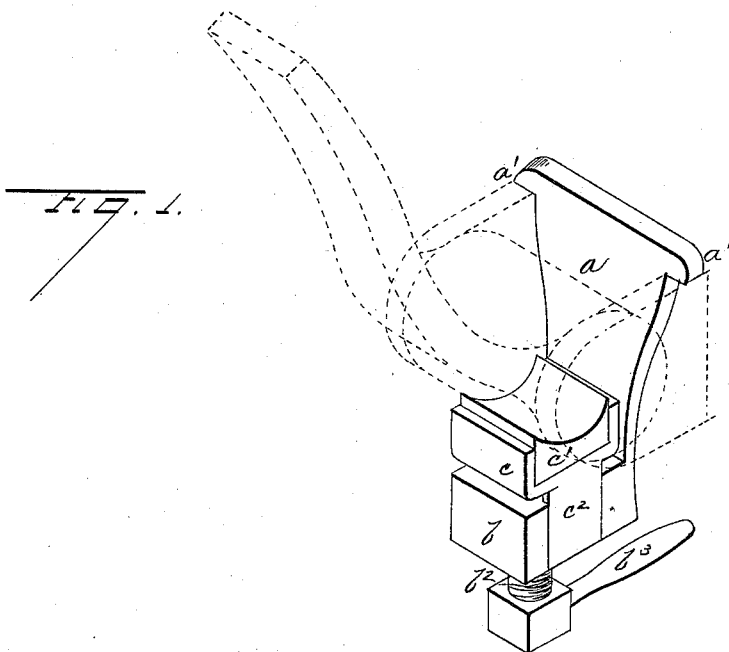


(No Model.)

H. KUGLER.
THILL COUPLING.

No. 344,050.

Patented June 22, 1886.



Witnesses:
H. B. McArthur
W. S. McArthur

Inventor.
Harry Kugler
per *H. Kugler*
Attorney.

UNITED STATES PATENT OFFICE.

HENRY KUGLER, OF CHICAGO, ILLINOIS, ASSIGNOR OF TWO-THIRDS TO
JOHN EBBEN AND HENRY KAACK, OF SAME PLACE.

THILL-COUPLING.

SPECIFICATION forming part of Letters Patent No. 344,050, dated June 22, 1886.

Application filed November 3, 1885. Serial No. 181,778. (No model.)

To all whom it may concern:

Be it known that I, HENRY KUGLER, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Anti-Rattlers for Thill-Couplings, of which the following is a specification, to wit:

This invention relates to anti-rattlers for thill-couplings; and it consists in the peculiar construction and arrangement of the same, substantially as will be hereinafter more fully described and claimed.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe it, referring to the accompanying drawings, in which—

Figure 1 is a perspective view of my invention, illustrating the manner of using it; and Fig. 2 represents the various parts of the device separated to better show them.

a represents a small plate adapted to hang between the ears of a thill-coupling, as is represented by dotted lines in the drawings, and is formed on its upper end with two small lugs or projections, *a'*, which rest on the top of the coupling to suspend the plate in position.

Upon the lower end of the plate *a* is formed or secured a forwardly-projecting lug, *b*, which is formed with a vertical groove, *b'*, in each side, and is also provided with a screw, *b''*, passing up through its center, and provided with a small handle, *b'''*, or equivalent means for turning it.

Upon the top of the projection *b* rests a socket, *c*, in which is held a buffer or bearing-block of rubber or other elastic material, *c'*. This socket has a pair of downwardly-projecting guide-arms *c''*, which move in the groove *b'* and retain the socket and bearing-block in their proper position.

In use the plate *a* is dropped into place, as

indicated in Fig. 1, before the thill is secured, and after the thill is in place the screw *b''* is turned to lift the socket and bearing-block into proper contact with the eye of the thill and thus hold it firm and prevent any possibility of rattling. When the vehicle is not in use, the shafts or pole may be elevated and held in that position by simply tightening the screws to clamp the thills and prevent their turning, thus saving the trouble of propping them up by pieces of board, as is often done.

This anti-rattler is readily applied to any style of coupling without any change or the use of any tools, and when the screw is drawn back the elastic block does not in any way interfere with the detachment or securing of the thills, as will be evident from the drawings.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In an anti-rattler, a suspending-plate adapted to hang upon and between the ears of a thill-coupling, and provided with an adjusting-screw in its lower end, in combination with a socket provided with an elastic bearing-block and formed with guide-arms which clasp the main plate, substantially as and for the purpose set forth.

2. In an anti-rattler, the plate *a*, formed with the lugs *a'* at one end and the vertically-grooved projection *b* at the other, and the adjusting-screw *b''*, in combination with the socket *c*, formed with the guide-arms *c''* and provided with the elastic bearing-block *c'*, substantially as and for the purpose set forth.

In testimony whereof I affix my signature in presence of two witnesses.

HENRY KUGLER.

Witnesses:

W. C. McARTHUR,
W. S. McARTHUR.