

(No Model.)

P. J. BAUMGARTNER.

THILL COUPLING.

No. 353,656.

Patented Dec. 7, 1886.

Fig. 1.

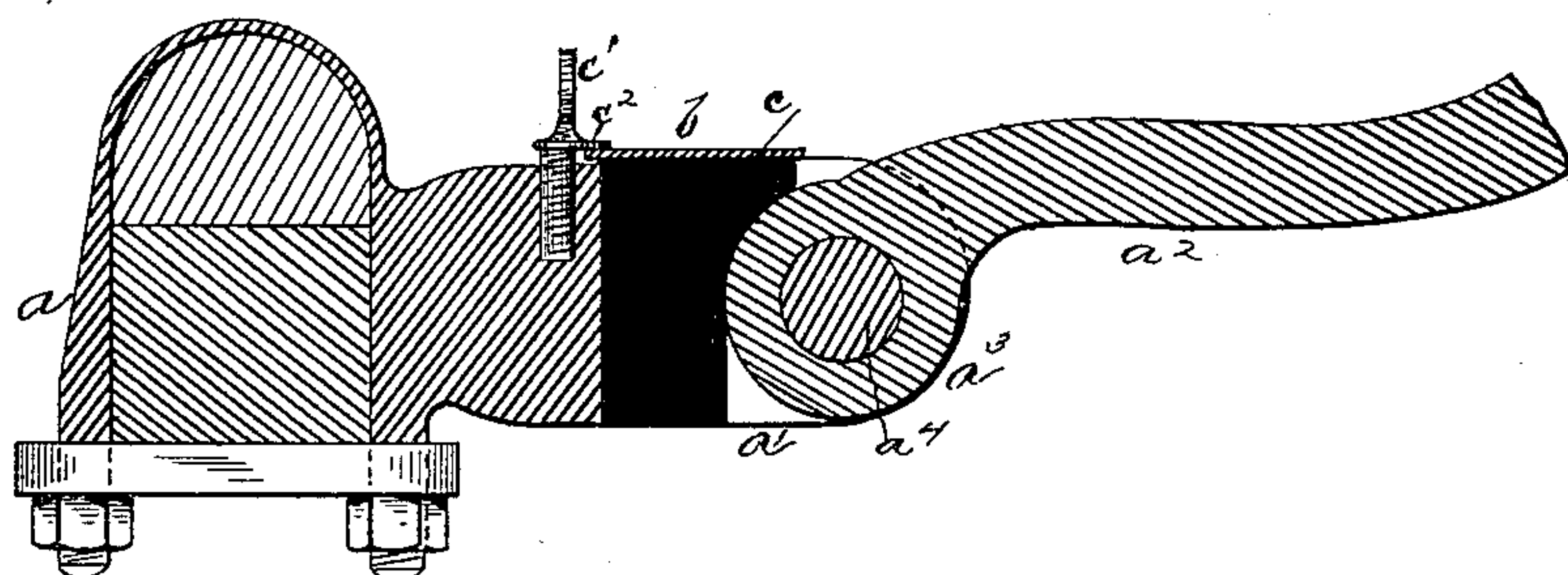


Fig. 2.

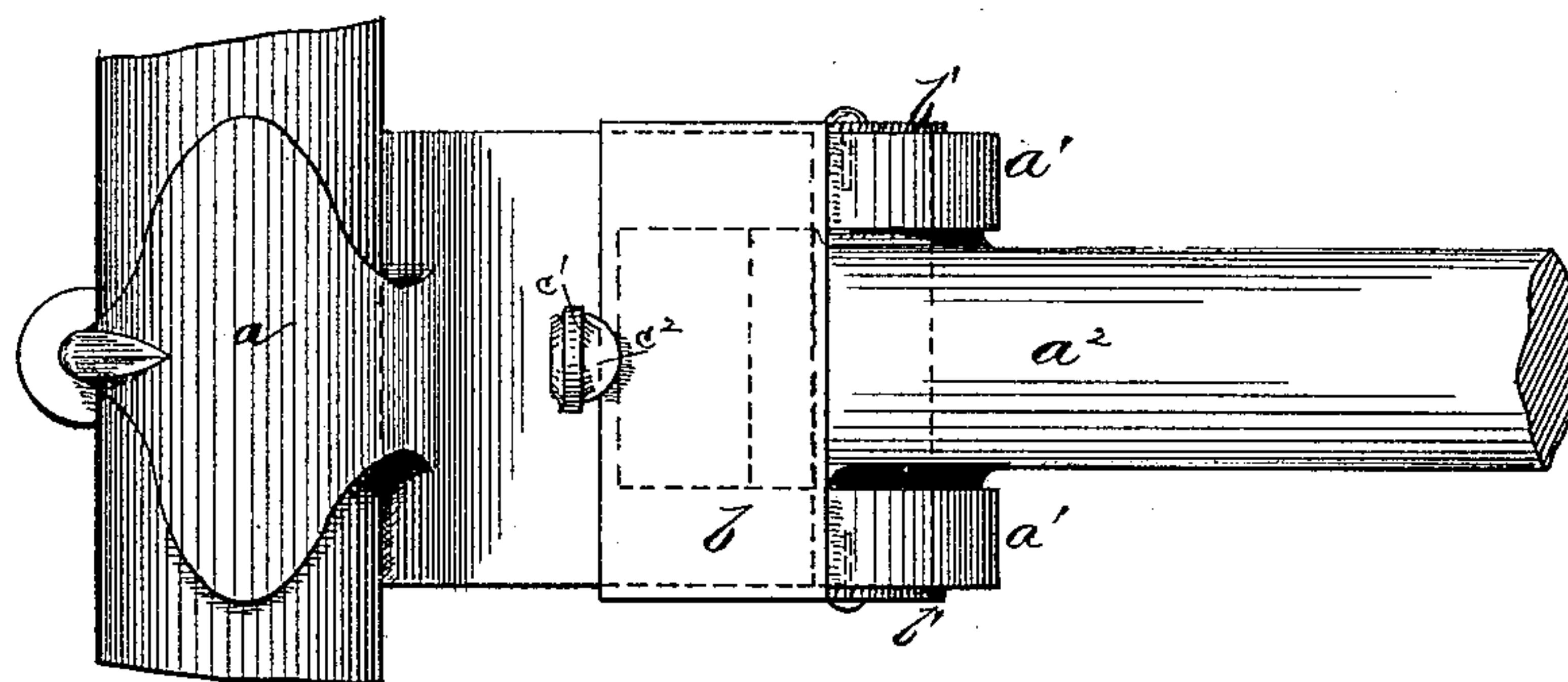
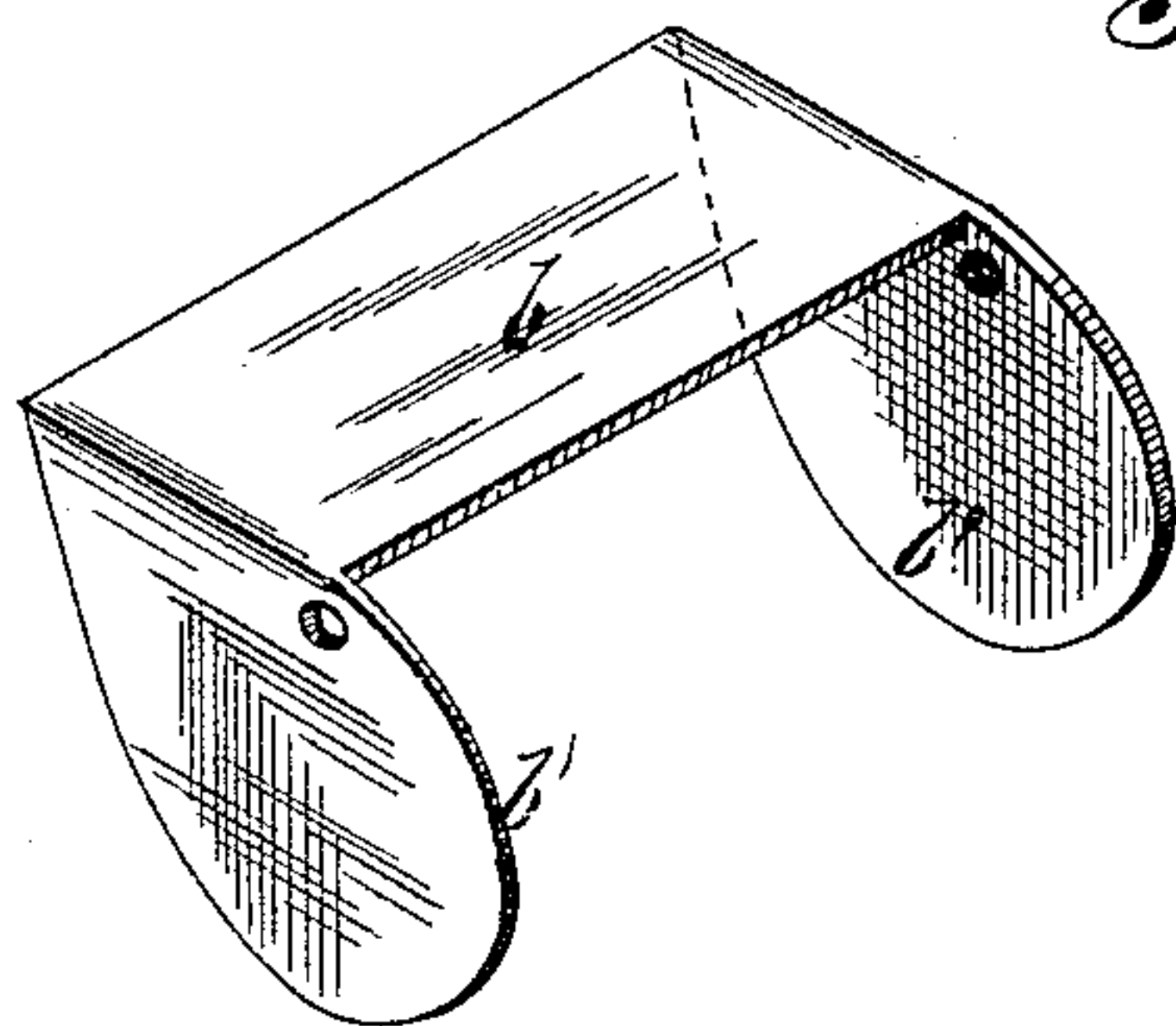


Fig. 3.



Witnesses:

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UNITED STATES PATENT OFFICE.

PETER JOHN BAUMGARTNER, OF BERNE, INDIANA.

THILL-COUPLING.

SPECIFICATION forming part of Letters Patent No. 353,656, dated December 7, 1886.

Application filed April 8, 1886. Serial No. 198,240. (No model.)

To all whom it may concern:

Be it known that I, PETER JOHN BAUMGARTNER, a citizen of the United States, residing at Berne, in the county of Adams and State of Indiana, have invented certain new and useful Improvements in Thill-Couplings, of which the following is a specification, to wit:

This invention relates to thill-couplings; and it consists in certain peculiarities of the construction and arrangement of the same, substantially as will be hereinafter more fully set forth and claimed.

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

Figure 1 is a central longitudinal section of the device. Fig. 2 is a top plan view of the same, and Fig. 3 is a detail view of the pivoted keeper.

a represents a clip such as ordinarily used in similar devices to clasp the axle, and is provided with a pair of ears, a' , between which is held the eye a^2 of the thill a^3 by a pin, a^4 , which is passed through the ears and thill in the usual and well-known way. This pin is a plain one without head or screw, and is not a bolt, as ordinarily used, as I prefer this construction, though a bolt may be used, when preferred, as hereinafter explained.

Upon the sides of the coupling-ears is pivoted a \square -shaped keeper, b , the ends of which are extended below the pivotal point to form ears b' , which, when the device is in use, cover the ends of the pin a^4 , and effectually prevent its getting out of place. The top or main

body of this keeper lies across the upper side of the ears a' , and retains in place a block of rubber, c , which prevents any rattling of the coupling, and this keeper is confined in place by a thumb-screw, c' , formed with a flange or projection, c^2 , on one side, as seen in Figs. 1 and 2, and it will be thus seen that a half-turn of this screw will confine or release the keeper at any time.

In practice the keeper may be used without the extended wings, simply to confine the anti-rattler c in place and permit of its ready removal, and an ordinary bolt used through the thill; or the keeper may be used with its extended wings to retain the plain pin shown, and the rubber block omitted, if desired; but I prefer to use both in the manner herein represented, as forming a more simple and complete device, not liable at any time to shake loose, and very quickly and easily removed without the use of wrenches or other tools.

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

In a thill-coupling, the combination of the clip a , with ears a' , the thill a^3 , and coupling-pin a^4 , with the keeper b , formed with extended wings b' , the rubber c , and the screw c' , formed with projection c^2 , all constructed and arranged to operate substantially as and for the purpose set forth.

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

PETER JOHN BAUMGARTNER.

Witnesses:

SAMUEL SIMISON,
JOHN F. LACHOT.