

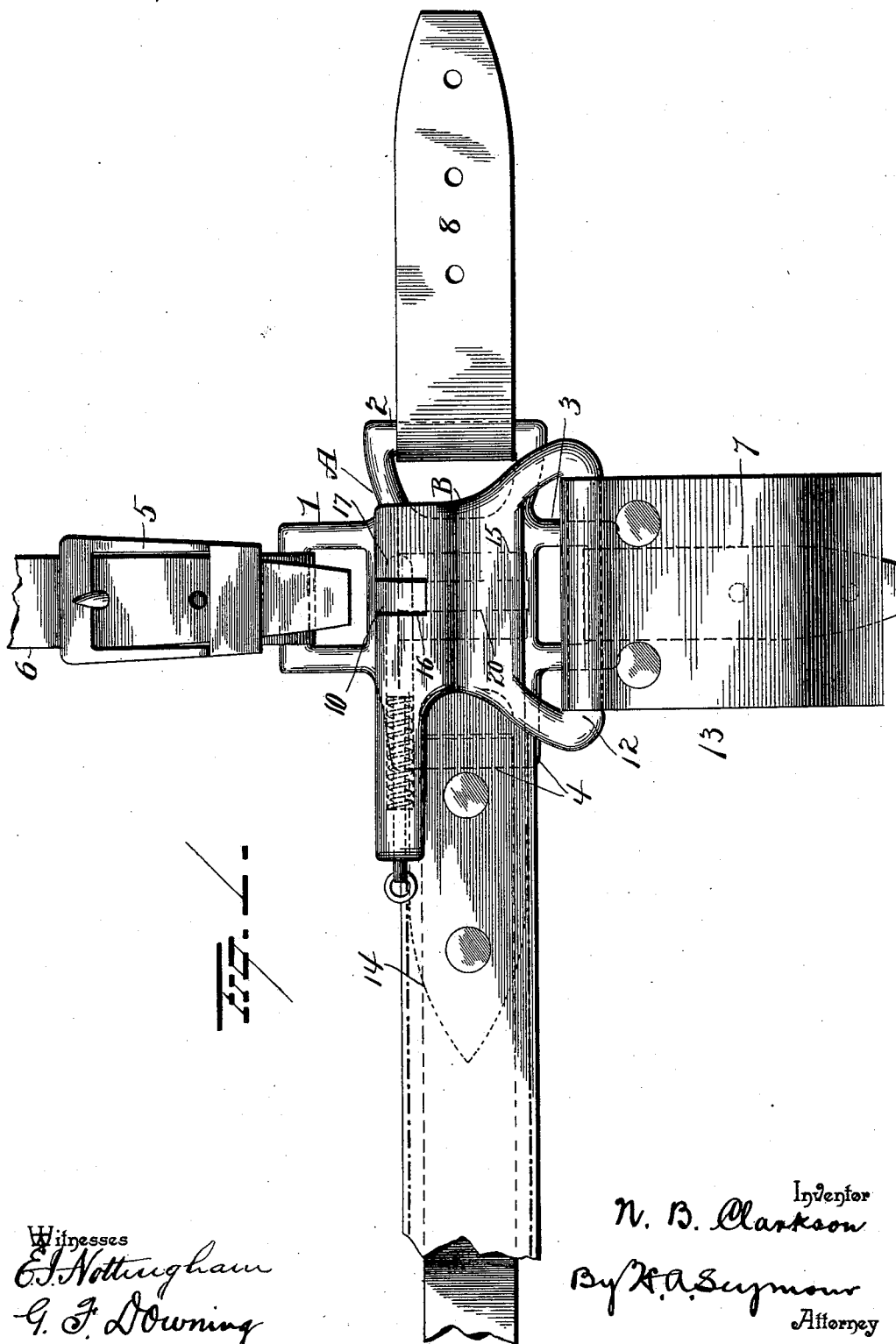
(No Model.)

2 Sheets—Sheet 1.

N. B. CLARKSON.
DEVICE FOR DETACHING HARNESS.

No. 594,859.

Patented Dec. 7, 1897.



Witnesses
E. J. Nottingham
G. F. Downing

N. B. Clarkson Inventor
By K. A. Seymour Attorney

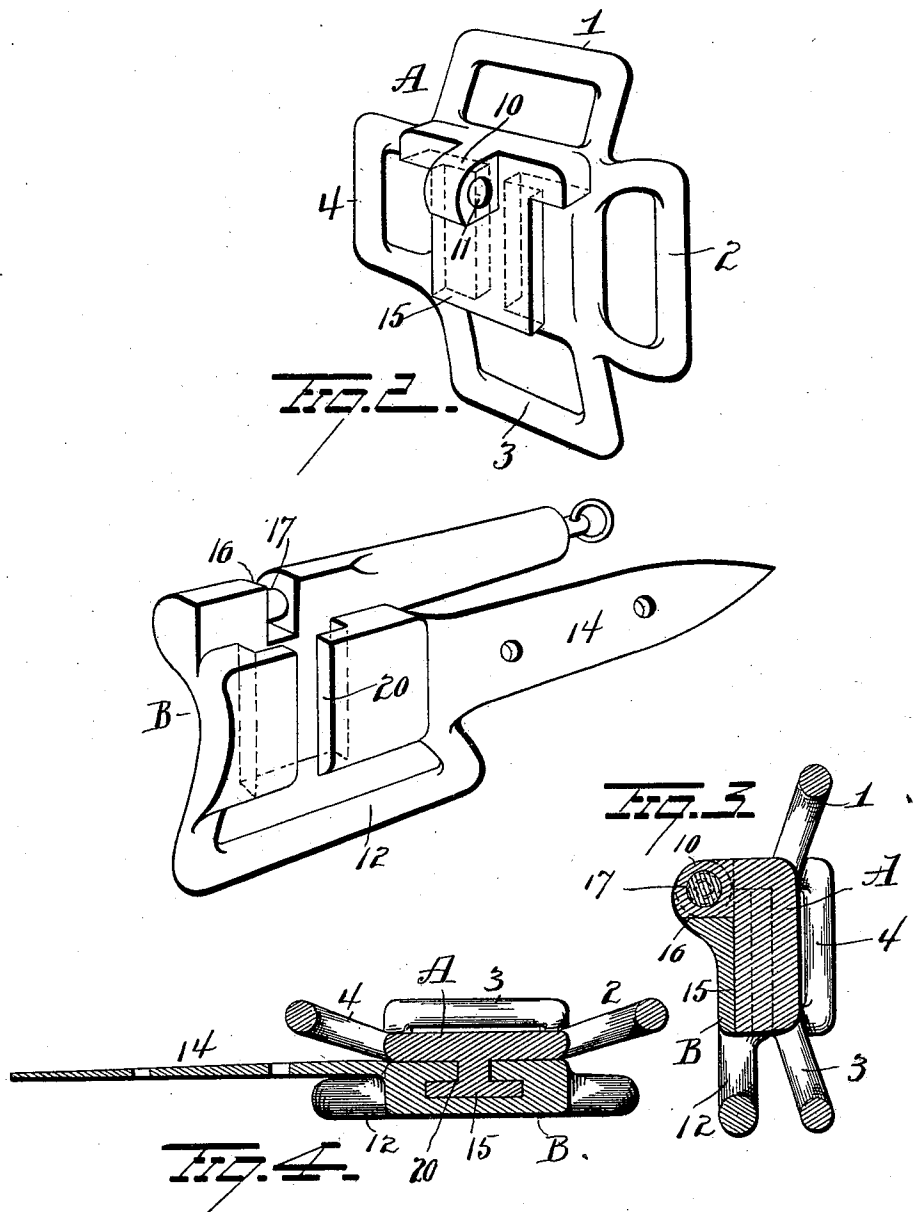
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By H. A. Seymour
Attorney

UNITED STATES PATENT OFFICE.

NATHANIEL B. CLARKSON, OF CLINTON, SOUTH CAROLINA, ASSIGNOR OF
ONE-HALF TO AUGUSTUS B. BLAKELY, OF SAME PLACE.

DEVICE FOR DETACHING HARNESS.

SPECIFICATION forming part of Letters Patent No. 594,859, dated December 7, 1897.

Application filed March 16, 1897. Serial No. 627,843. (No model.)

To all whom it may concern:

Be it known that I, NATHANIEL B. CLARKSON, of Clinton, in the county of Laurens and State of South Carolina, have invented certain new and useful Improvements in Devices for Attaching and Detaching Draft-Animals from Vehicles; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to an improvement in attaching and detaching devices for draft-animals from vehicles or other objects to which they may be harnessed; and the object is to provide means for the quick operation of the parts, the invention consisting in certain novel features of construction and combinations of parts, which will be hereinafter described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a view in perspective of my improvement. Fig. 2 shows the parts detached and separated, and Figs. 3 and 4 are sectional views.

The connection is composed of two sections A and B, detachably connected together, one section, A, being connected with the saddle or belly-band of the harness and the other with the tug or vehicle.

A indicates the section of the coupling or connection which is attached to the saddle, belly-band, or some part of the harness. This section A is provided with four loops 1, 2, 3, and 4, by which its secure attachment to the harness is effected. The upper loop 1 preferably has a buckle 5 connected with it, by which the connection is buckled to the saddle-strap 6. The opposite loop 3 carries the belly-band 7. Loop 2 affords a means for the attachment of the collar-strap 8 and loop 4 opposite for the breeching. Thus it will be seen that this section A forms a connection between these several parts or straps of the harness, it being curved slightly to conform to the shape of the draft-animal's body, it being adapted to rest thereagainst. This section A is provided with a vertically-disposed rib 15, T-shaped in horizontal cross-section. At the upper end an outwardly-projecting

lug 10 is formed, and this lug has a hole 11 therein.

Section B has an integral depending bar 12, to which the thill-loop 13 is secured, and a rearwardly-extending bar or loop 14, to which the tug or trace is secured. The inner face of this section B of the connection has a vertical guide-groove 20 formed therein to receive the rib 15 of section A and a recess 16 to receive lug 10. A spring-actuated slide-pin 17 in the upper end of this section B is adapted to slide across the notch or recess 16. To couple or connect these sections, the pin 17 is drawn rearwardly and section A is slid upward as far as it will go with the T-shaped rib 15 in the groove 20. Then the pin is released and the pin springs forward through the hole 11. To release the parts, the pin is simply drawn back and the weight of the thills will disconnect the parts, or the weight of the belly-band, if in a double harness, will accomplish the same thing. In this way the time consumed in harnessing or unharnessing is trifling. It will be understood, of course, that the connection can be used with single or double harness, heavy or light, plow-gear, and whatnot; also, it may be stated that by merely reversing the parts a little the slide-pin could be brought inside or next to the horse.

It is evident that other slight changes might be made in the form and arrangement of the several parts described without departing from the spirit and scope of my invention, and hence I do not wish to limit myself to the exact construction herein set forth; but,

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

1. An attaching and detaching device consisting of two sections, one having a T-shaped rib and outwardly-projecting perforated lug, and the other having a groove and a recess to receive the rib and lug, and a slide-pin which locks these parts together.

2. The combination with a section constructed and adapted to be attached to a harness, said section provided with a vertically-disposed T-rib, and an outwardly-projecting

perforated lug, of a section connected with the tugs or traces, and provided with a groove to receive the rib and a recess to receive the lug, and a spring-actuated pin adapted to
5 have sliding connection with one section and enter the hole in the lug whereby to lock the sections detachably together.

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

NATHANIEL B. CLARKSON.

Witnesses:

A. B. BLAKELY,
H. COPELAND.