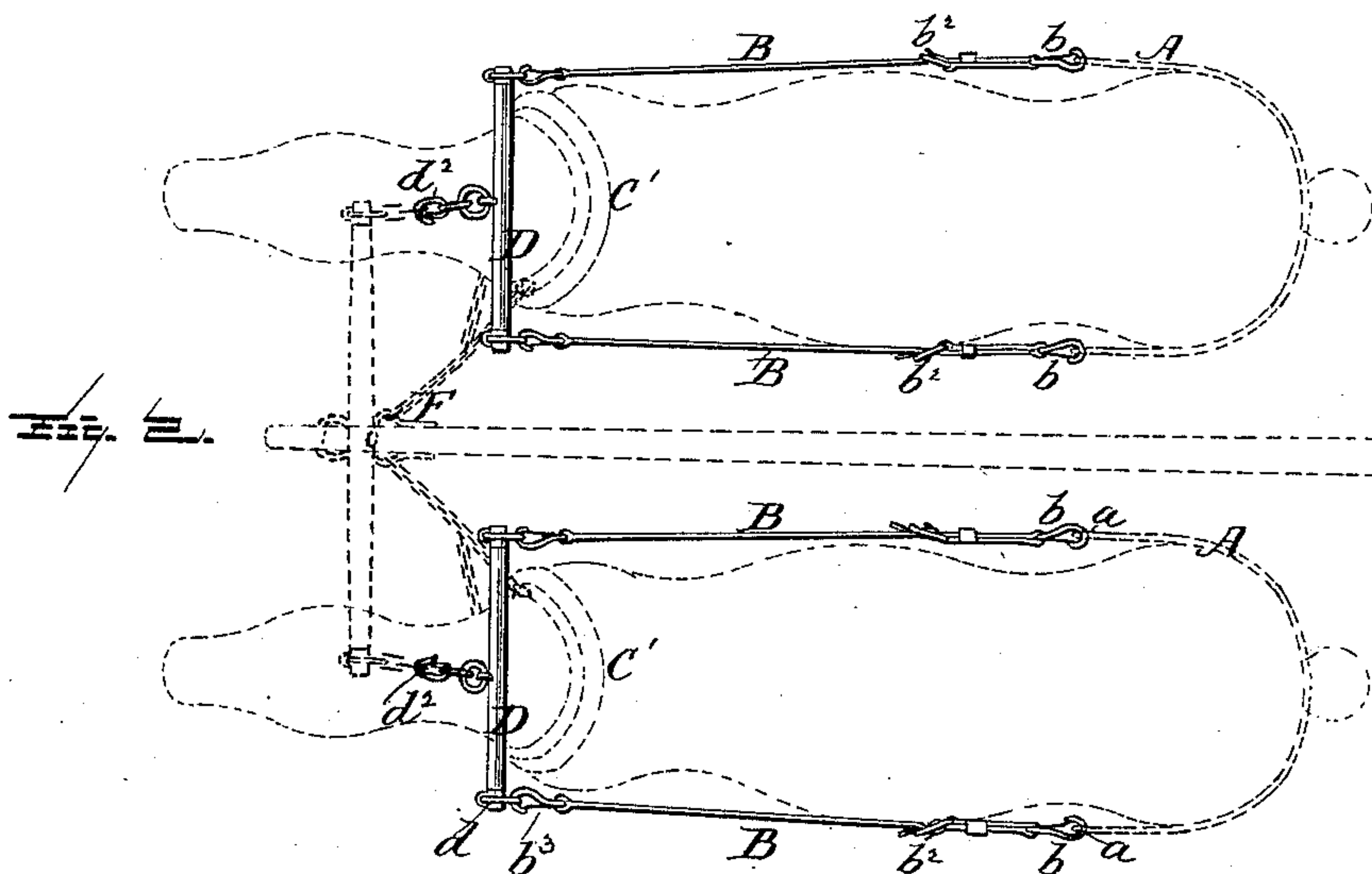
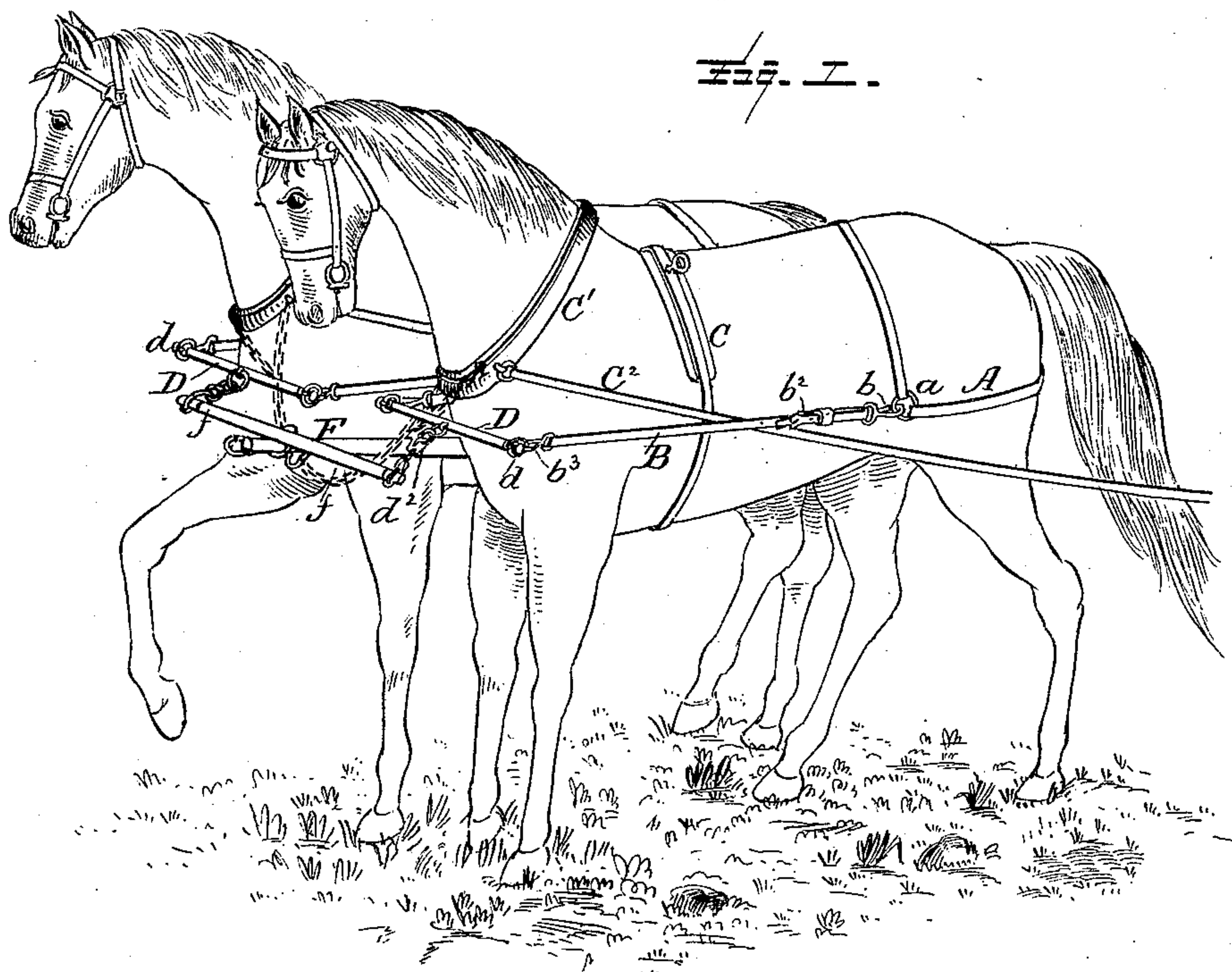


(No Model.)

T. LOVETT & E. H. PURCELL.
HARNESS.

No. 437,159.

Patented Sept. 23, 1890.



Witnesses:
L. C. Hills.
C. C. Schiller, Jr.

Inventors:
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UNITED STATES PATENT OFFICE.

TAZEWELL LOVETT AND EPPA HUNTON PURCELL, OF ROUND HILL,
VIRGINIA; SAID PURCELL ASSIGNOR TO SAID LOVETT.

HARNESS.

SPECIFICATION forming part of Letters Patent No. 437,159, dated September 23, 1890.

Application filed July 17, 1890. Serial No. 359,092. (No model.)

To all whom it may concern:

Be it known that we, TAZEWELL LOVETT and EPPA HUNTON PURCELL, citizens of the United States, residing at Round Hill, in the
5 county of Loudoun, State of Virginia, have invented certain new and useful Improvements in Harness, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention relates to the construction of harness, and more especially to the location and arrangement of the backing-straps and their connections with the pole of a vehicle.

15 Heretofore the backing-straps of double harness have been connected with the collars and the latter with the pole. Consequently when backing a team a large amount of the pressure exerted by the team is brought up-
20 on their necks and causes the latter to be bruised and galled and incapacitates the team from work.

The object of our invention is to obviate these defects, and this object we attain by
25 the construction illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of a team of horses provided with backing-straps constructed and arranged in accordance with our
30 invention. Fig. 2 is a top view representation of the team, showing the location of the backing-straps and their relation with the pole of a vehicle.

In said drawings, A represents the breeching of a harness of ordinary construction, but preferably provided with rings *a* at the intersection of the horizontal and the top strap of said breeching. The back strap C, collar C', and traces C² may be connected together
40 in the usual manner. The attachment forming the main part of our invention consists of

two strong leather straps B and a neck-yoke D for each horse. The rear ends of said straps are looped, and carry mounted in said loop a snap-hook *b* for prompt engagement with the
45 rings *a* of the breeching. Said rear ends of the straps B are adjustably secured to the body of the straps by buckles *b*², so that the length of the straps can be adjusted to horses of any size. To the front end of each strap
50 B is secured a snap-hook *b*³, by which the straps can be quickly attached to the rings *d*, that are secured to the neck-yoke D near the ends thereof. Said neck-yoke can be connected to the pole F by means of the chain *f*
55 and the intermediate snap-hook *d*²; or a pole-yoke may be secured to the end of a pole in any well-known manner, and the ends of said pole-yoke connected by means of strong
60 straps or chains with the intermediate snap-hook *d*².

By either one of the above-stated means the neck of the horse is relieved of all pressure when backing a loaded vehicle.

Having now fully described our invention,
65 we claim—

In combination with a harness-breeching, a neck-yoke D in front of the harness-collar and unconnected to said collar, and two parallel and longitudinally-adjustable straps B,
70 having one end secured to the neck-yoke and the other end to the breeching, and means, as described, to secure the neck-yoke to the pole of a vehicle, substantially as described.

In testimony whereof we affix our signatures
75 in presence of two witnesses.

TAZEWELL LOVETT.

EPPA HUNTON PURCELL.

Witnesses:

CHESTER C. GAVER,
C. T. GAVER.