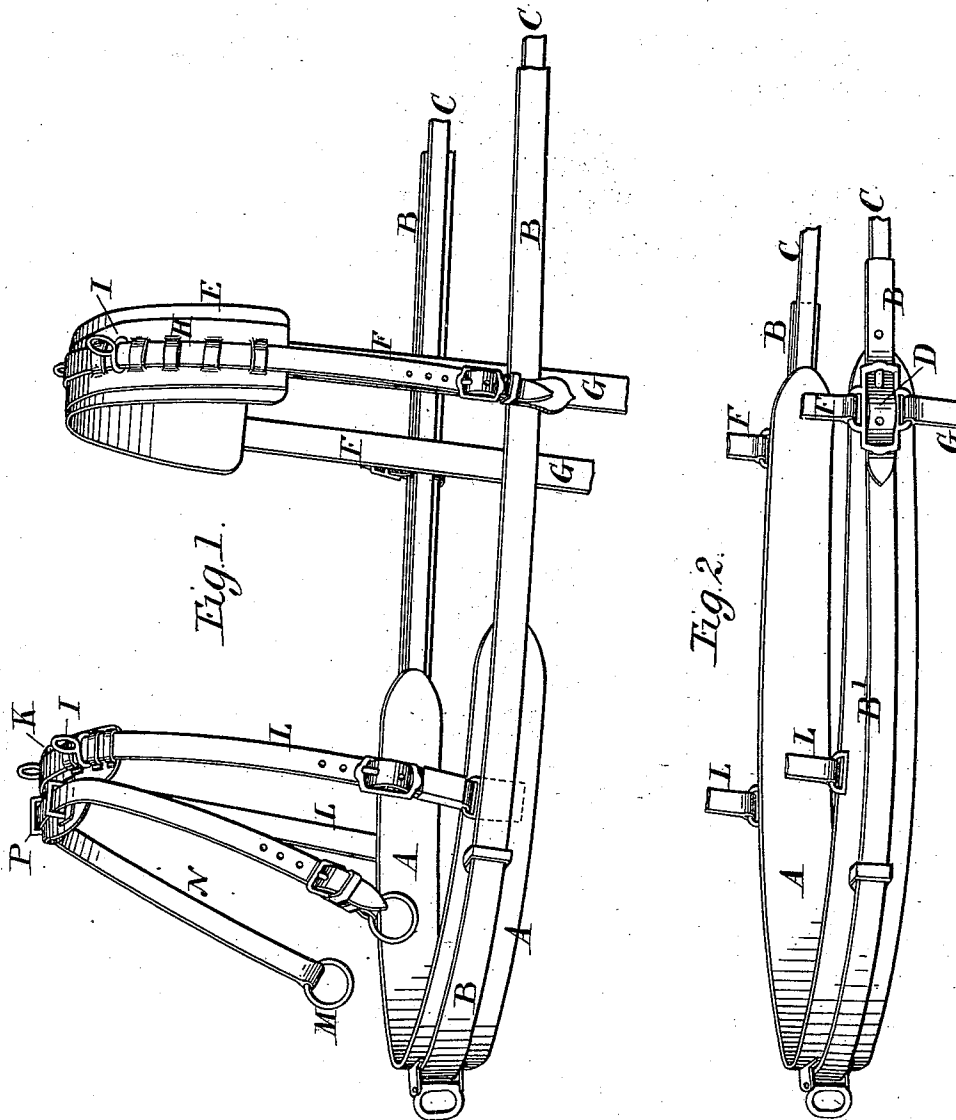


(No Model.)

A. T. RUTTER.
HARNESS.

No. 464,589.

Patented Dec. 8, 1891.



Witnesses:

E. B. Kolton

H. Kuster

Inventor:

Alfred Thomas Rutter

By

Richard R.

his Attorneys.

UNITED STATES PATENT OFFICE.

ALFRED T. RUTTER, OF CAPE TOWN, CAPE OF GOOD HOPE.

HARNESS.

SPECIFICATION forming part of Letters Patent No. 464,589, dated December 8, 1891.

Application filed July 22, 1891. Serial No. 400,305. (No model.) Patented in England February 24, 1891, No. 3,370.

To all whom it may concern:

Be it known that I, ALFRED THOMAS RUTTER, saddler and harness-maker, a subject of the Queen of Great Britain, residing at No. 24 Darling Street, Cape Town, in the Colony of the Cape of Good Hope, have invented a new and useful Improved Breast-Plate, Neck-Plate, and Saddle for Harness, (patented in Great Britain February 24, 1891, No. 3,370,) of which the following is a specification.

My invention relates to the construction of the breast-plate, neck-plate, and saddle for harness, with their attachments, as I shall describe, referring to the accompanying drawings.

Figure 1 is a perspective side view of the front parts of the harness according to my invention. Fig. 2 shows a modification.

A is the breast-plate, which passes round the front of the chest of the horse and is usually connected to the breeching and traces, but which according to my invention is connected to the breeching by straps C, but is not connected to the traces B. These traces in one continuous length, as shown in Fig. 1, pass round the fronts of the breast-plate A, being free to slide along it to and fro, and thus the chest of the animal is saved from the chafing and rubbing to which it is subjected when the traces are rigidly attached to the breast-plate. Instead of making the traces in one piece with the part which passes round the breast-plate, this latter may be a separate piece B', as shown in Fig. 2, having the traces B attached to its ends by buckles D. The saddle E, having straps F, by loops of which the traces B are suspended and which is secured in the ordinary way by girths or belly-

bands G, is made with several loops H, between any pair of which may be set the rings I, which guide the reins. The neck-plate K, over which passes the straps L, suspending the breast-plate A, is also made with several loops, between which the rein-guides I can be set. When a bugle-pole is employed, it is held in rings M at the ends of the bugle-strap N, which passes over the neck-plate K through guide-staples P. In the lower part of each of these staples is a small roller, over which the bugle-strap N passes, so that it moves to and fro with little friction.

Having thus described the nature of this invention and the best means I know for carrying the same into practical effect, I claim—

1. In harness, the combination of a saddle, a breast-plate, a neck-plate from which the breast-plate is suspended, and a pair of traces connected around the front of the breast-plate, but free to slide along it, substantially as and for the purpose set forth.

2. In harness, the combination of a saddle, a breast-plate, a neck-plate from which the breast-plate is suspended, a pair of traces connected around the front of the breast-plate, but free to slide along it, and a bugle-strap passing through staples on the neck-plate over rollers therein, substantially as described.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, this 25th day of February, A. D. 1891.

A. T. RUTTER.

Witnesses:

WM. NIXON,
H. R. ARDEME.