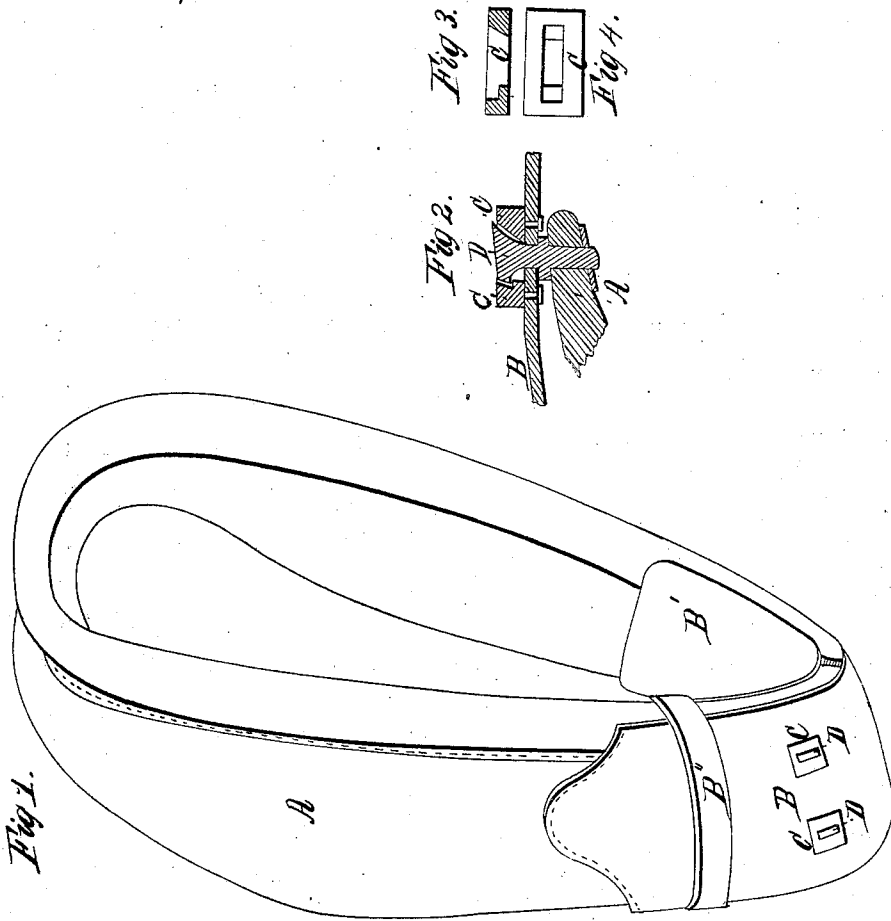


J. A. Powell,

Horse-Collar Fastener.

N^o 59,647.

Patented Nov. 13, 1866.



Witnesses.

E. Hansen
Lawrence Murphy

Inventor.
J. A. Powell
by
D. P. Colley & Co
Attys.

UNITED STATES PATENT OFFICE.

ISAAC A. POWELL, OF MORRISON, ILLINOIS.

IMPROVEMENT IN HORSE-COLLARS.

Specification forming part of Letters Patent No. 59,647, dated November 13, 1866.

To all whom it may concern:

Be it known that I, I. A. POWELL, of Morrison, in the county of Whiteside and State of Illinois, have invented a new and useful Mode of Fastening Horse-Collars; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making part of this specification, in which—

Figure 1 is a perspective view. Fig. 2 is a section of the portion of the collar when it is fastened. Fig. 3 is a section and plan of the lock-plate.

The same letters are employed in representing identical parts in the different figures.

A is a horse-collar of ordinary construction, which is represented as turned upside down in the drawings.

The collar is open at the top, and has attached to the end on one side an exterior flap, B, and interior flap, B'. The loop B'' is attached to the latter and secures the opposite end of the collar and the loose part of the exterior flap, B. This part of the collar is all of ordinary construction, and in the common collar the two ends are fastened together by straps or buckles.

My improvement consists in an improved lock or clasp for securing the ends in place when the collar is in use.

D is the lock, passing through one end of the collar, where it is secured to an inner plate on the inside of the collar. The other end projects on the outside. The form of this lock is shown in Fig. 2.

The upper part of the head is inclined at about the same angle as the slope of the collar at the point of attachment, with which it is nearly or quite parallel.

The rear of the head is sloped at an angle of about forty-five degrees, and the front is formed with an abruptly angular hook.

The lock-plate C is attached to the exterior flap, B. It is formed with a central longitudinal slot, the length of which, at the under side, is just sufficient to permit the head of the lock D to pass through. The ends of this slot are slightly rounded, and on the upper side toward the front the slot is lengthened, so as to form a shelf, as shown in Fig. 3.

When the collar is to be fastened the head of the lock is passed through the slot in the lock-plate, and the flap secured under the loop B''. The outward pressure of the horse's neck, drawing the angular hook of the head into the angular shelf formed in the plate, prevents the escape of the lock, and from the peculiar form of the parts it will be impossible to open the collar without drawing upon and at the same time raising up the flap, which can only be done by hand.

What I claim as my invention, and desire to secure by Letters Patent, is—

A horse-collar when constructed with the lock D and plate C, for securing the same, when said parts are respectively constructed, attached, and combined substantially as set forth.

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

ISAAC A. POWELL.

Witnesses:

JAMES T. POWELL,
OMAR G. ROBERTS.