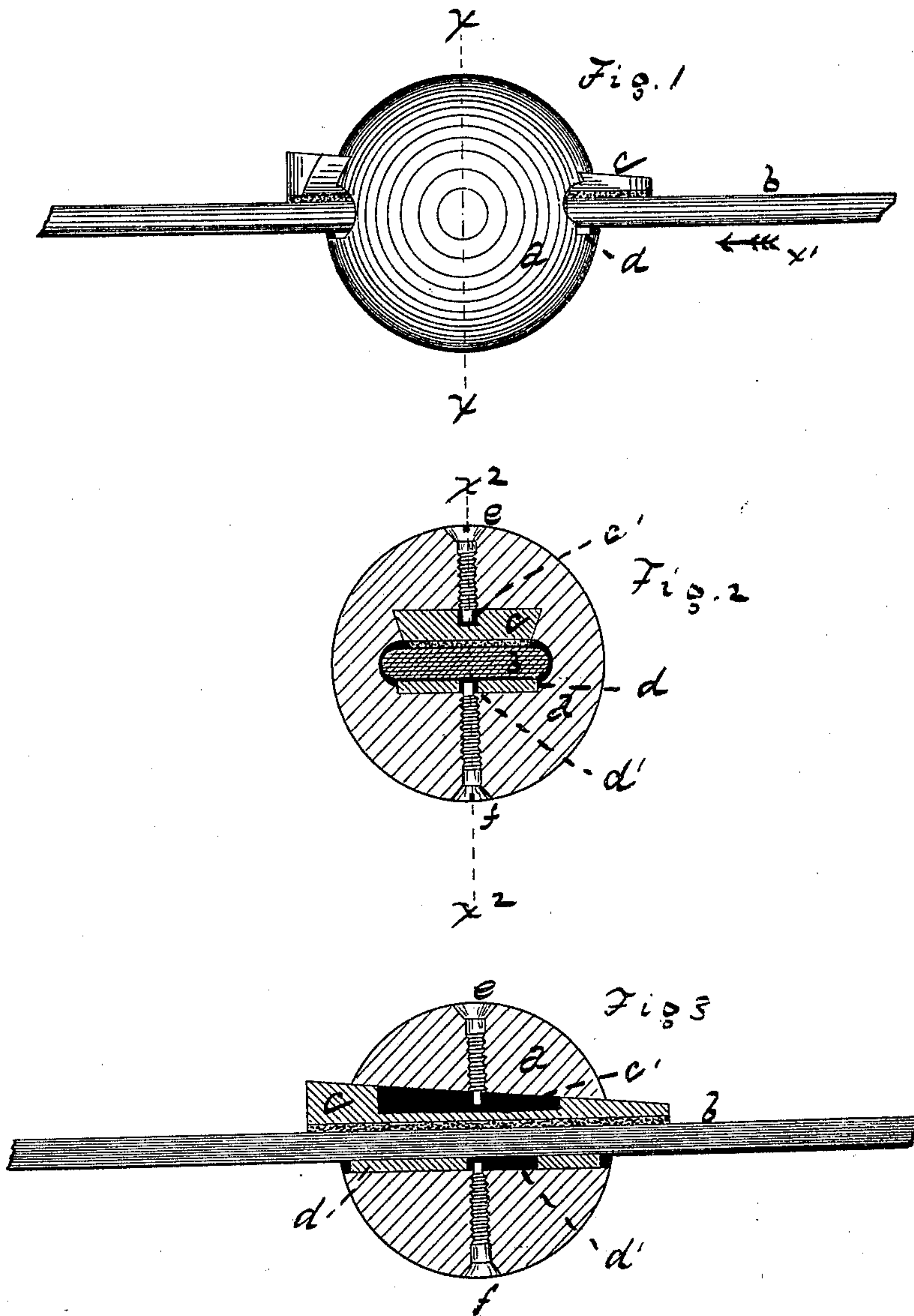


L. BAILEY.  
SAFETY-REIN HOLD.

No. 170,930.

Patented Dec. 14, 1875.



Witnesses.

Edmund Goodman  
Geo. E. Nolan

Inventor

Leonard Bailey  
By W. E. Simonds Atty

# UNITED STATES PATENT OFFICE.

LEONARD BAILEY, OF NEW BRITAIN, CONNECTICUT.

## IMPROVEMENT IN SAFETY REIN-HOLDS.

Specification forming part of Letters Patent No. **170,930**, dated December 14, 1875; application filed January 8, 1875.

*To all whom it may concern:*

Be it known that I, LEONARD BAILEY, of New Britain, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements pertaining to a Safety Rein-Hold, of which the following is a specification, reference being had to the accompanying drawings, where—

Figure 1 is a side view of my rein-hold applied to a rein. Fig. 2 is a view of the same in central vertical cross-section, on the plane indicated by the dotted line  $x x$ . Fig. 3 is a view of the same in central vertical longitudinal section, on plane  $x^2$ .

This is a device to be applied to, and adjustable upon, the two reins of a horse's harness, enabling the driver to get a firm grasp. The ball  $a$  is, by preference, spherical, though the form is not essential, mortised centrally for the passage of the rein  $b$ , and containing therein the wedge  $c$  and the sliding plate  $d$ . The wedge has some back-and-forth play, limited and defined by the pin  $e$  running into the slot  $c'$ , and plate  $d$  has a similar play, limited and defined by the pin  $f$  running into the slot  $d'$ . The whole device (one upon each

rein) is slipped upon and over the end of the rein, with the thicker end of the wedge to the rear. When the device is at the right point on the rein a slight movement of the ball  $a$  in the direction indicated by the arrow  $x^1$  wedges the device tightly upon the rein, and no amount of backward pull that the driver can exert will move the ball still farther backward upon the rein until the ball is again moved forward upon the rein. A slight movement forward upon the ball  $a$  loosens the device upon the rein for any other desired adjustment. The plate  $d$  assists the wedging and unwedging of the rein, and prevents its abrasion; but the device will work well without it. I prefer that the material of the ball  $a$  be wood or rubber, but this is not essential.

I claim as my invention.

The combination of the ball  $a$ , wedge  $c$ , and plate  $d$ , all substantially as shown and described.

LEONARD BAILEY.

Witnesses:

WM. E. SIMONDS,  
GEORGE E. NOLAN.