

G. D. CLEAVELAND.
Hold-Backs.

No. 143,964.

Patented Oct. 28, 1873.

FIG. I.

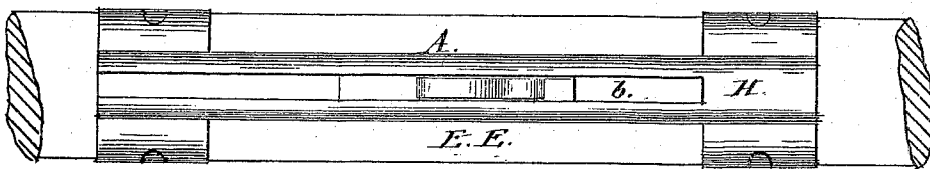
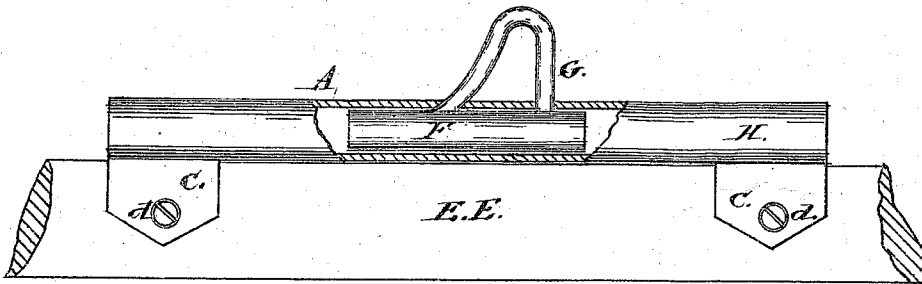


FIG. II.



WITNESSES:

Richard Berner
Franklin Barritt

INVENTOR:

George D. Cleaveland
For *Henry Green*
Wm.

UNITED STATES PATENT OFFICE.

GEORGE D. CLEAVELAND, OF FLINT, INDIANA, ASSIGNOR OF TWO-THIRDS HIS
RIGHT TO HORACE E. DAVIS AND LUCIUS W. HALL, OF SAME PLACE.

IMPROVEMENT IN HOLDBACKS.

Specification forming part of Letters Patent No. **143,964**, dated October 28, 1873; application filed
July 19, 1873.

To all whom it may concern:

Be it known that I, GEORGE D. CLEAVELAND, of Flint, Steuben county, State of Indiana, have invented certain Improvements in Holdbacks on Shafts of Carriages, of which the following is a specification:

The object of my invention is to provide for safety in the use of holdbacks attached to shafts of carriages. My invention consists in constructing a tube with a slot at the top, with the exception of one end of the same, which is solid. This tube is attached to the shaft of a carriage by aid of suitable legs or fastenings. In this tube is inserted a piston, to which the ring or stirrup is attached, through which the straps of the harness go, usually called the holdback-strap.

If an accident should happen, and the poles or shafts should break, the horse will be immediately disengaged from the carriage, as the piston will be drawn out of the tube.

In order to more fully describe my invention, I refer to the accompanying drawing forming a part of this specification.

Figure 1 represents a top view of my improved holdback. Fig. 2 is a side view of the same.

A is a tube; *b*, the slot. H is the solid part of tube A. C C are the legs, fastened by screws *d d* to the shaft or pole E E of a carriage. F is a piston. G is a stirrup or ring fastened to the piston F.

Having thus described my invention, I desire to claim—

The tube A, with slot *b*, piston F, and stirrup or ring G, in combination with the shafts E E, substantially as and for the purpose set forth.

GEORGE D. CLEAVELAND.

Witnesses:

WASHINGTON L. WOOD,
ALOIS M. LOCK.