

UNITED STATES PATENT OFFICE.

JUSTIN A. DUNHAM, OF COLDWATER, MICHIGAN, ASSIGNOR OF ONE-HALF TO CHARLES M. WILLIAMS, OF COLDWATER, MICHIGAN.

STOCK-RELEASER.

No. 859,874.

Specification of Letters Patent.

Patented July 9, 1907.

Application filed January 31, 1907. Serial No. 355,112.

To all whom it may concern:

Be it known that I, JUSTIN A. DUNHAM, a citizen of the United States, residing at Coldwater, in the county of Branch and State of Michigan, have invented a new and useful Stock-Releaser, of which the following is a specification.

This invention has relation to stock releasers and it consists in the novel construction and arrangement of its parts as hereinafter shown and described.

10 The object of the invention is to provide a simple and an effective means for releasing stock from a series of stalls or stanchions simultaneously in order that the stock may be freed whereby they may escape or be driven from a burning stable or structure.

15 The releaser consists primarily of a tube or a number of sections of tubing extending transversely across the stalls in the vicinity of the manger. A rod is arranged to move longitudinally through or within the tube and is provided with a lever for actuating the same. At 20 points between the sides of the stall the said tube is provided with clamp lugs and adjacent said lugs with elongated side openings. The rod is provided with a cross-pin which lies at its ends in said openings. A collar is adjustably attached to the said tube and a coil 25 spring is interposed between said collar and a finger which surrounds the tube and is located behind said cross-pin. Said finger is provided with an end which is adapted to operate in opposite openings provided in the clamp lugs and which forms a means for retaining 30 a halter ring between the said lugs.

In the accompanying drawing:—Figure 1 is a side elevation of the release, and Fig. 2 is a top plan view of the same partly in section. Fig. 3 is an end view, and Fig. 4 is a transverse sectional view cut on the line 35 4—4 of Fig. 1.

The releaser comprises the tube 1 which extends transversely of a stall or a series of stalls and is mounted adjacent the mangers thereof and held in position by means of the clips 2, 2. At points between the sides of 40 the stall the clamp lugs 3, 3 are mounted upon the said tube 1. The said lugs are spaced apart and are provided with the oppositely disposed openings 4. In the vicinity of the said lugs the tube 1 is provided with the longitudinal perforations 5. The collar 6 surrounds the 45 tube 1 and is adjustably secured thereto. The rod 7 passes through the tube 1 and is connected at one end with the actuating lever 8 fulcrumed to a suitable support. The spring actuated pawl 9 is attached at one end to the tube 1 and is adapted to engage the edge of 50 the lever 8 when the same is moved away from the tube 1 for the purpose of holding the said lever in such position. The pin 10 passes transversely the rod 7 and lies at its end portions in the perforations 5 of the tube 1. The finger 11 is provided with an end portion which 55 normally lies within the openings 4 of the clamp lugs 3

and with a circular portion 12 which surrounds the tube 1 and bears against the side of the pin 10. The coil spring 13 is interposed between the circular portion 12 of the finger 11 and the adjustable collar 14 attached to the periphery of the tube 1. The tension of the 60 spring 13 is such as to have a tendency to maintain the end of the finger 11 within the openings 4 of the lugs 3. The halter ring 15 is inserted between the lugs 3, 3 and the end of the finger 11 is passed through the said ring. By reason of the fact that the circular portion 12 of the 65 finger 11 is not positively connected with the rod 7 the said finger may be moved back against the tension of the spring 13 without moving the said rod in order to pass the said finger through the ring 13. However, when the lever 8 is swung the said rod 7 is moved longi- 70 tudinally and all of the fingers 11 are moved back simultaneously against the tension of the springs 13 and the rings 11 being deprived of support will fall from between the lugs 3, 3. When the said lever 8 is swung as 75 above described the pawl 9 engages the edge thereof and holds the lever and rod 7 in its shifted position.

Having described my invention what I claim as new and desire to secure by Letters Patent is:—

1. A stock release comprising a tube, a rod passing through the tube, a lever suitably fulcrumed and being 80 pivotally connected with said rod, said tube having elongated perforations, lugs located upon the tube and being spaced apart and having opposite openings, a pin passing through the rod and lying in the perforations of the tube, a finger having a circular portion which surrounds the 85 tube and bears against said finger and an end which enters the openings of said lugs, a collar located upon the tube and a coil spring interposed between said collar and the circular portion of said finger.

2. A stock release comprising a tube having elongated 90 perforations, a rod mounted for longitudinal movement within the tube, means for moving said rod, spaced lugs located upon the tube and having opposite openings, a pin carried by the rod and being located in the perforations of 95 the tube, a finger having a circular portion which surrounds the tube and bears against said pin and having an end which enters the openings of said lugs, a collar surrounding said tube and being capable of adjustment thereon and a coil spring interposed between said collar and 100 said finger.

3. A stock release comprising a tube having elongated 105 perforations, a rod located in said tube, a lever suitably fulcrumed and being pivotally connected with said rod, a pawl attached to the tube and adapted to engage said lever, spaced lugs located upon the tube, a pin carried by 110 said rod and entering the perforations of the tube, a finger having a portion which surrounds the tube and a portion which passes through said lugs, a collar adjustably located upon the tube and a coil spring interposed between said collar and said finger.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

JUSTIN A. DUNHAM.

Two witnesses:

MILDRED J. BOYD,
CLARA E. HIESRODT.