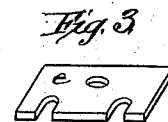
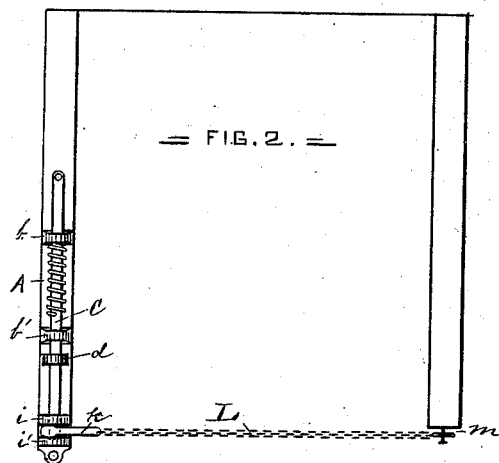
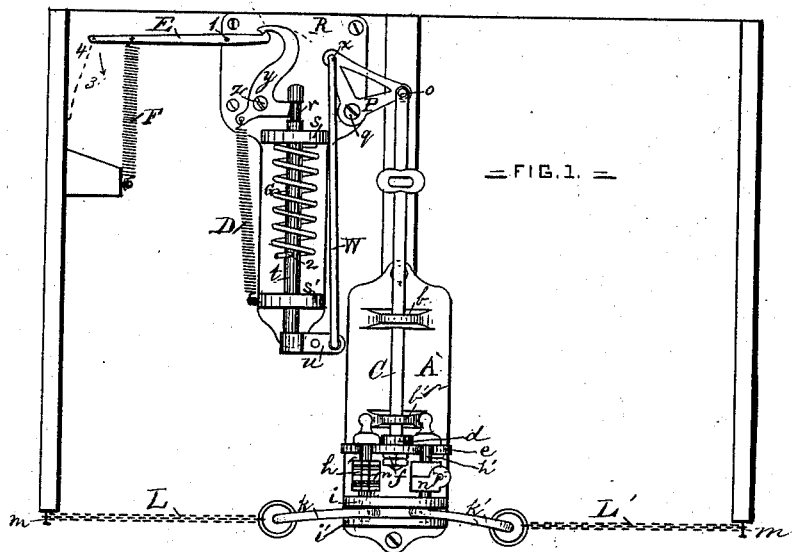


J. T. CONDON.  
 Device for Releasing Horses from Stalls.  
 No. 216,022.                      Patented June 3, 1879.



WITNESSES.

*J. C. Hubbell*  
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# UNITED STATES PATENT OFFICE

JOHN T. CONDON, OF NEW ORLEANS, LOUISIANA.

## IMPROVEMENT IN DEVICES FOR RELEASING HORSES FROM STALLS.

Specification forming part of Letters Patent No. **216,022**, dated June 3, 1879; application filed November 15, 1878.

### *To all whom it may concern:*

Be it known that I, JOHN T. CONDON, a resident of the city of New Orleans, parish of Orleans, and State of Louisiana, have invented a certain new and useful Improvement in Horse-Stable Unhitchers; and I do hereby declare the following to be a full, clear, and correct description of the same, reference being had to the annexed drawings, making a part of this specification.

This invention affords a means for confining horses and other stock in stables or stalls in a manner which will permit of their being released therefrom, either by hand or by electricity, the instant an alarm of fire or other cause may so require.

It consists in stretching a chain across the front of the stall or stable at a height of about three feet from the floor thereof, the said chain to have one of its ends permanently secured to one side of the stall or stable, as the case may be, and its other end provided with an open ring or link, so that it may be secured to the opposite side of the stall or stable by means of a sliding pin, the withdrawal of which will cause that end of the chain to drop, and thus free the animals previously confined thereby.

My invention will, however, be much better understood by referring to the accompanying drawings, whereon it is represented, at Figure 1, as applied to a double stall, and at Fig. 2, to a single one.

A is a metallic frame, the face of which is provided with projecting lugs *b b'*, for the operation therein of a plunger, C, upon which is securely fitted a rubber or other bumper, as shown at *d*.

In the double device, Fig. 1, the plunger is provided with a T-head, which consists of a flat plate, *e*, (seen also in Fig. 3,) that is slipped over one end of the said plunger, and secured against the bumper thereof by means of jam-nuts, as shown at *f*. The aforesaid T-head is provided, on each side of the plunger, with notches to receive the necks of a pair of locking-pins, *h h'*, the ends of which are made to operate in a pair of raised lugs, *i i'*, between which there is ample space for the reception of the links *k k'*, that form the drop ends of

the chains L L', whose opposite ends are permanently fastened to the outer walls of stalls, as shown at *m m'*.

The locking-pins *h h'*, by which, when released, the chains are secured across the front of the stalls, are constructed with knuckle joints *n n'*, in order that they may, when so desired, be disconnected from the T-head of the plunger.

The means employed for operating the device is as follows: The plunger C is connected, as shown at *o*, with one end of a bell-crank, P, which is pivoted at *q* to a plate, R, the latter having raised lugs *s s'*, in which is fitted a sliding trip-lever *t*, that is provided at one end with an arm *u* and at the opposite end with an arm *v*, the former connected by a rod *w* with one portion of the bell-crank, as shown at *x*, and the latter affording a hold for a trigger *y*, by which it is designed to be operated. The aforesaid trigger is pivoted to plate R, as at *z*, and is connected with the arm *s'* by means of an elastic spring, D, which causes it to partially rotate the moment the catch at its upper end is released from the trip-lever E, which is also pivoted to plate R, as shown at *l*, and held in a locked position by an elastic spring, as shown at *h*.

For the purpose of driving forward the operating rod *t* when released by the springing of the trigger, it is encircled by a spring, G, one end of which is permanently secured to the plate R, as at *h*, while the other end has a bearing against the lug *s*, as shown.

To spring the trigger of the device, the end of the trip-lever E is moved in the direction indicated by the arrow-point 3, either by hand or by an electric wire, as shown.

In the single device the operating mechanism is connected with the plunger thereof at *o*, in the same manner as that above indicated for the double apparatus.

The plate A, with its mechanism, may be secured in a vertical position to the front of a partition or wall, or in a horizontal position, as shown in the drawings, while the operating mechanism can be secured to the side of said partition or wall, and thus present little or no obstruction within the stall or stable.

Having described my invention, what I claim

as new, and desire to secure by Letters Patent, is—

1. In combination with the plunger C, provided with bumper *d*, jam-nuts *f*, and T-head *e*, the pins *h h'*, having knuckle-joints *n n'*, whereby they may be folded outward from the T-head, and thus be freed from the operations of the plunger, as set forth.

2. The plate R, combined with the operating mechanism, consisting of the bell-crank P,

connecting-rod W, sliding rod *t*, springs G D F, trigger *y*, and trip-lever E, all arranged and combined with the plunger C, as described, and for the purpose specified.

In testimony whereof I have hereunto signed my name.

JOHN THOS. CONDON.

In presence of—

J. C. HUBBELL,

P. J. FINNEY.