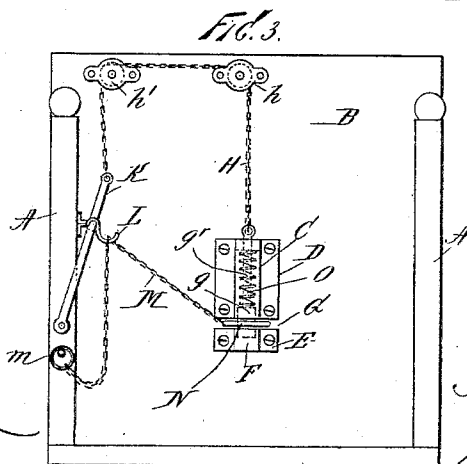
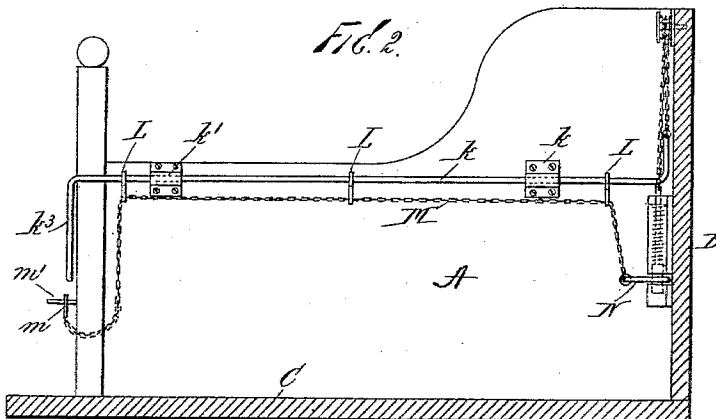
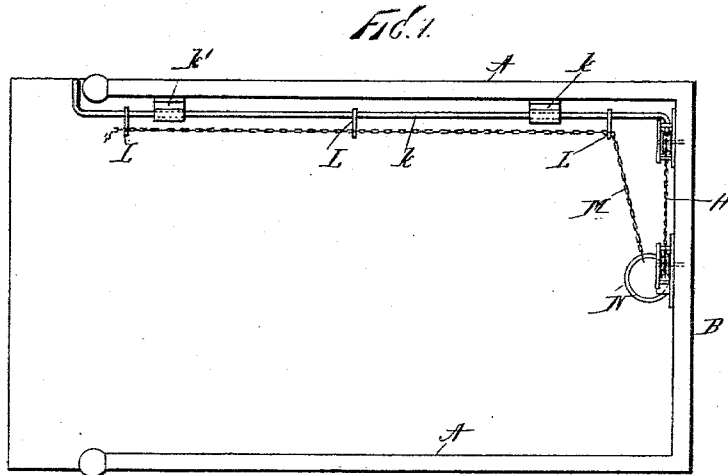


(No Model.)

S. L. WILSON.
RELEASING DEVICE FOR HORSES.

No. 565,062.

Patented Aug. 4, 1896.



WITNESSES:

Wm. Buckler,
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INVENTOR

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UNITED STATES PATENT OFFICE.

SAMUEL L. WILSON, OF NEW YORK, N. Y.

RELEASING DEVICE FOR HORSES.

SPECIFICATION forming part of Letters Patent No. 565,062, dated August 4, 1896.

Application filed August 20, 1895. Serial No. 559,907. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL LAWSON WILSON, a citizen of the United States, and a resident of New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Hitching and Releasing Devices for Horses, of which the following is a specification, reference being had to the accompanying drawings, forming a part thereof, in which similar letters of reference indicate corresponding parts.

This invention relates to hitching and releasing devices for horses, cattle, and other animals, and is designed to be used in stalls in which animals are kept in stables, barns, or any similar structures. It is a well-known fact that it is sometimes very difficult to get a horse out of a burning building, and by reason of this fact the horse is frequently lost, and one of the objects of this invention is to obviate this difficulty and provide means by which the animal may be released and taken out of the burning structure; and with this and other objects in view the invention consists in the construction, combination, and arrangement of parts hereinafter described and claimed.

The invention is fully disclosed in the following specification, of which the accompanying drawings form a part, in which—

Figure 1 is a plan view of a stall provided with my improvement; Fig. 2, a longitudinal vertical section thereof, and Fig. 3 a rear end view thereof.

In the practice of my invention I provide a stall having the sides A and the front end B, and the stall may also be provided with a bottom C, if desired. Secured centrally of the front B, on the inner side thereof, is a plate D, having a central tubular portion or bearing C, and beneath the plate D is a similar but smaller plate E, having a similar central tubular bearing F. A narrow space G is provided between the plates D and E, and within the tubular bearing C in the plate D and adapted to move therein, and also to enter the tubular bearing F in the plate E, is a bolt *g*, provided with a vertical rod *g'*, to the upper end of which is secured a chain or cord H, which passes over a pulley *h*, mounted at the top of the head B of the stall and from

which the chain passes over a pulley *h'* at the side thereof, and from which said chain passes downward and is connected with a vertical arm K of a rod *k*, which is revolvably mounted in bearings *k'*, secured to the side of the stall, and which extends outwardly to and past the rear end thereof, and is provided with a downwardly-extending arm *k*³.

Secured to the rod *k* are a plurality of hooks L, which in the normal position of the rod extend inwardly, as shown in Fig. 3, and are adapted to support a chain or cord M, one end of which is provided with a ring *m*, which is designed to be supported by a pin *m'*, secured to the outer end of one side of the stall, and to the inner end of said chain or cord is secured a ring N, which is held in position between the plates D and E by the bolt *g*, as clearly shown in Figs. 2 and 3.

Mounted on the rod *g'* of the bolt *g* is a spiral spring O, which has a bearing at the upper end of the plate D and is adapted to hold the bolt *g* in the position shown in Fig. 3.

In practice the halter-strap, by which the horse or other animal is secured, is connected with or tied to the ring N, and, as will be readily understood, this ring, in the normal position of the parts described, affords a safe and secure fastening attachment, being held in place by the bolt *g*. In case of a fire, when it becomes necessary to remove the animal as expeditiously as possible, it is only necessary to raise the downwardly-projecting arm *k*³ of the rod *k*, when the bolt *g* will be withdrawn by the chain or cord H, as will be readily understood, and the ring N released, when, by taking hold of the outer end of the chain or cord *m*, the animal may be taken from the stall or led therefrom; and in this operation, after the ring N has been released, the arm *k*³ of the rod *k* is turned downwardly and outwardly, as shown in Fig. 2, when the chain or cord M will be released from the hooks L.

It will thus be seen that I accomplish the object of my invention by means of a device which is simple in construction and operation and one which is well adapted to accomplish the object for which it is intended.

It is evident that changes in and modifications of the construction shown and described may be made without departing from the spirit of my invention or sacrificing its

advantages, and I therefore reserve the right to make all such alterations therein as fairly come within the scope of the invention.

Having fully described my invention, I
5 claim and desire to secure by Letters Patent—

In a hitching device of the character described the combination with a stall having sides and a front end, of the plate secured
10 upon said front, and consisting of a central tubular portion or bearing and having openings near the corners thereof to receive attaching-screws to secure the same in position, a similar plate E, below said plate and hav-
15 ing a central tubular bearing, a vertically-movable bolt secured in the tubular bearing of the first-mentioned plate and adapted to be projected into the bearing on the plate E, and provided with a vertical rod, in the up-
20 per end of which is formed an eye or loop, a spring upon said rod adapted to force the same downwardly, a pulley above said plate and a second pulley adjacent to the first-men-
25 tioned pulley near one side of the stall, a chain passing over said pulley and connected with the eye of said rod a horizontal rod pro-

vided with an upwardly and downwardly turned end journaled in bearings secured upon a side of the stall, the upwardly-directed end of said rod being connected with a chain 30 with the free end of said chain, the downward end of said rod extending near the back portion of the stall, whereby the same may be operated to raise the bolt, a series of hooks secured to the horizontal rod adapted 35 to support a chain one end of which is provided with a ring adapted to be engaged by the bolt between the plates in the outside end of said chain being provided with a ring, whereby when the bolt is raised the first-men- 40 tioned ring may be withdrawn and the horse led from the rear of the stall, substantially as described.

In testimony that I claim the foregoing as my invention I have signed my name, in pres- 45 ence of the subscribing witnesses, this 17th day of August, 1895.

SAMUEL L. WILSON.

Witnesses:

C. GERST,
E. VAN DEURSEN.