

(No Model.)

R. M. HART.

ANIMAL HITCHING AND RELEASING DEVICE.

No.262,764.

Patented Aug. 15, 1882.

Fig 1.

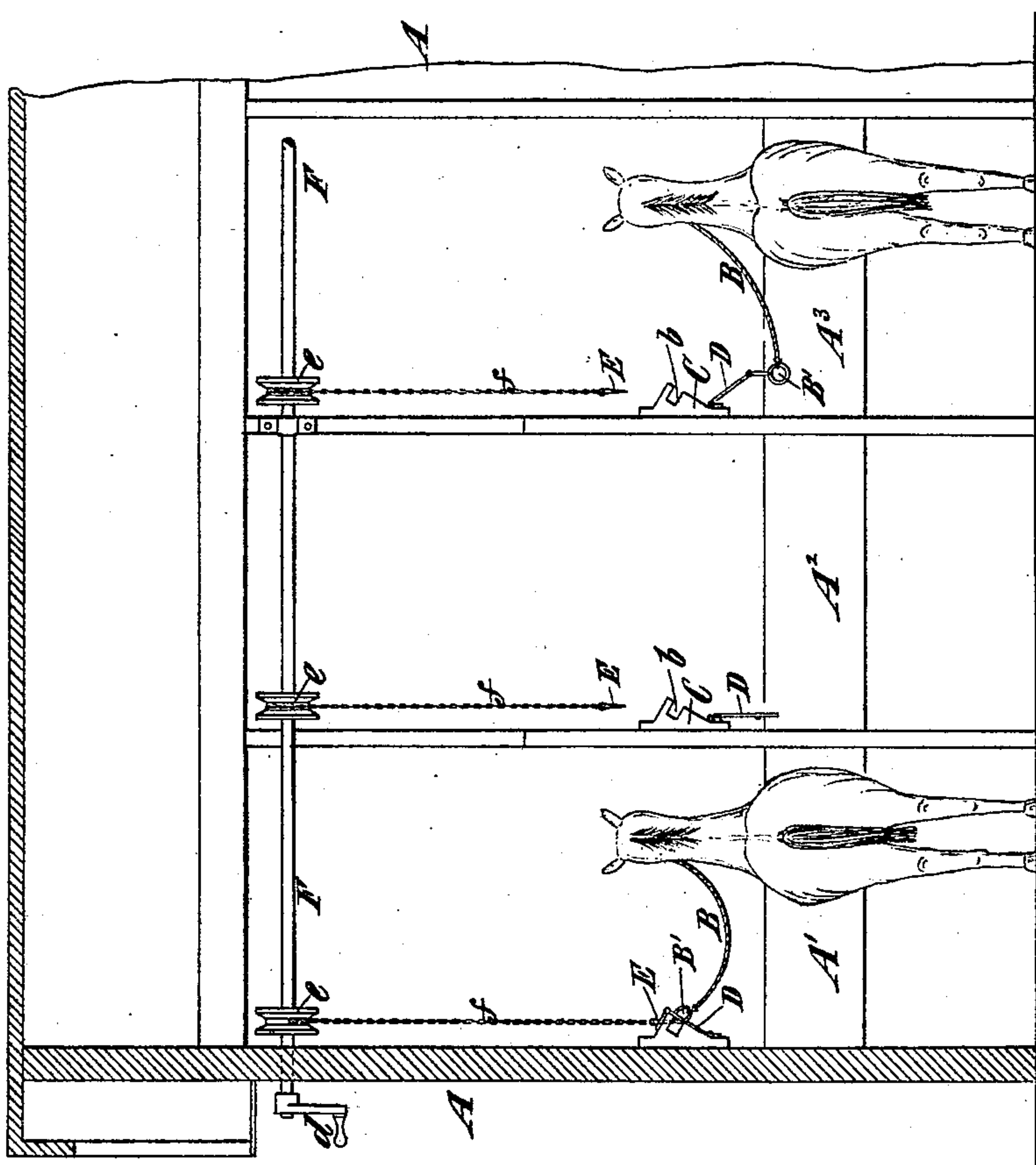
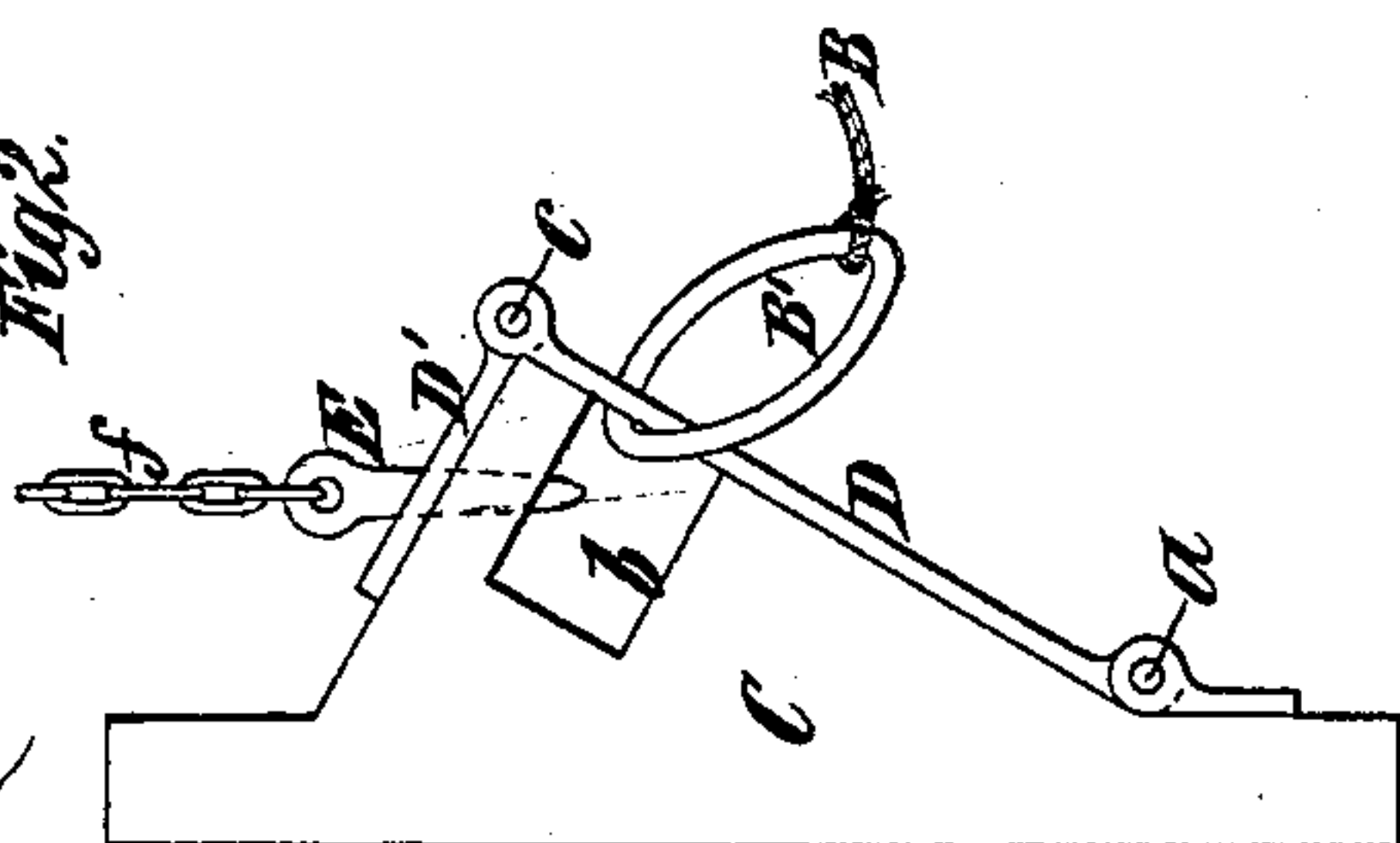


Fig 2.



Witnesses:

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ANIMAL HITCHING AND RELEASING DEVICE.

SPECIFICATION forming part of Letters Patent No. 262,764, dated August 15, 1882.

Application filed May 13, 1882. (No model.)

To all whom it may concern:

Be it known that I, ROBERT M. HART, of the city and county of New York, in the State of New York, have invented certain new and useful Improvements in Devices for Hitching Horses and other Stock, of which the following is a specification.

My invention relates to devices which are employed for fastening the tie or halter straps or ropes of horses or other stock in their stalls or stables, and which are adapted to be operated to release all the horses or cattle simultaneously and quickly in case of fire in the stable.

The invention consists in a fastening device comprising a novel combination of parts, hereinafter described and claimed, and in the combination, with a number of such fastening devices, of a shaft or rod adapted to be operated from the outside of a stable or building, and connected with the fastening devices so as to release them all simultaneously.

In the accompanying drawings, Figure 1 represents a vertical section of a portion of a stable provided with my improved fastening devices, and Fig. 2 represents a view of the fastening device upon a larger scale.

Similar letters of reference refer to corresponding parts in both figures.

A designates the stable, and A' A² A³ three stalls therein. B designates the halter straps, chains, or ropes, whereby the horses are secured, and which are provided at their ends with rings B'.

The fastening device is composed principally of two parts—a stock-piece or block, C, which is adapted to be secured to the wall of the stall in any suitable manner, and a hinged hasp-piece, D, which consists of a short bar or plate hinged at *a* to the stock-piece C, and over which the halter-ring B' may be slipped. The front face of the block or stock-piece C is inclined, so that the hinged hasp D may be swung up against it, and in the face of the block or stock-piece is a notch, *b*, which receives the ring B' when the latter is held on the hasp. The top of the block or stock-piece C is also inclined, and the hinged hasp-piece D is provided with a lip or flap, D', hinged to its upper end at *c*, and adapted to be turned down on the inclined top of the block or stock-piece. The lip D' may be considered as part of the hasp. In the top of the block or stock-piece and in the lip or flap D' are coincident

holes, and E designates a pin or key adapted to fit therein, as shown in Fig. 2, and so prevent the hasp from falling down. So long as the pin or key E remains in place the horse is securely held; but the instant that the pin or key is withdrawn the hasp D swings down or falls and the ring B' slides off it, thus freeing the horse.

The hasp in the stall A² is down, and that in the stall A³ is represented as in the act of falling, and the ring B' is just slipping off.

In order to provide for releasing all the horses simultaneously in case of fire, I provide a shaft, F, extending outside of the stable A, and provided with a crank, *d*, for turning it. Upon the shaft F are drums E, and chains or cords *f* depend from these drums, and have the pins or keys E attached to them, so that by turning the shaft all the pins or keys may be withdrawn simultaneously.

The pin or key in the stall A' is represented as in place to lock the hasp; but the pins in the outer stalls are withdrawn, and I have therefore shown the shaft F as broken off to show these two positions.

In lieu of the shaft F, a rod might be employed, and connections between the rod and pins or keys to effect the withdrawal of the latter when the rod is shifted longitudinally.

If more than one shaft is employed, one only need be extended outside the building, and the other shafts may be geared therewith, so as to be turned thereby.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The fastening device consisting of the stock-piece C, the hinged hasp D D', and the removable pin or key E, all substantially as specified.

2. The fastening device composed of the stock-piece C, inclined at the top and provided with the notch *b*, the hinged hasp-piece D, provided with the hinged lip or flap D', and the removable key or pin E, substantially as specified.

3. The combination of the rings B', the notched stock-pieces C, hasp-pieces D, lips or flaps D', pins or keys E, cords or chains *f*, and shaft F, all substantially as specified.

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Witnesses:

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