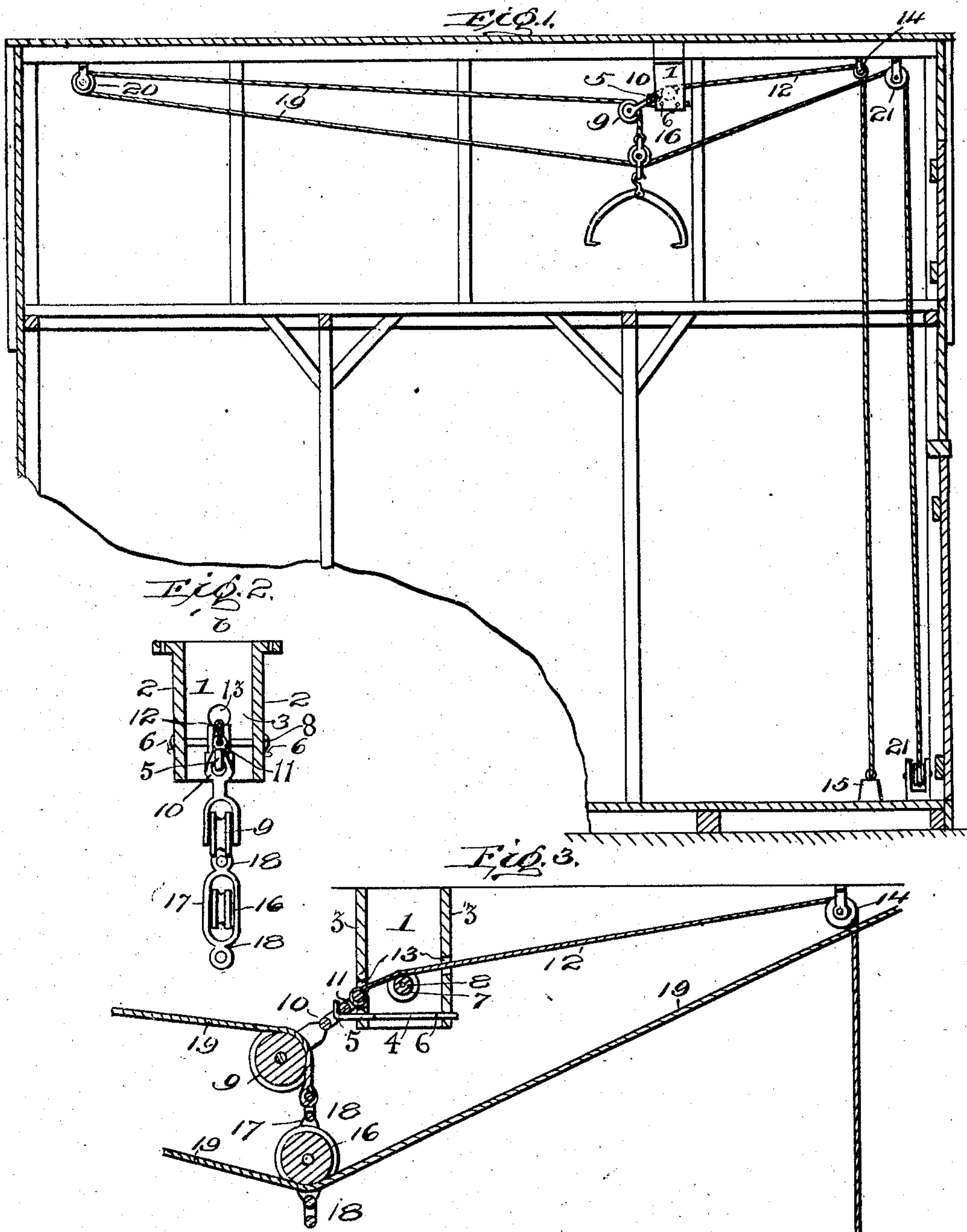


No. 806,356.

PATENTED DEC. 5, 1905.

C. E. & D. McDERMOTT.
CARRIER.

APPLICATION FILED APR. 3, 1905.



Witnesses

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UNITED STATES PATENT OFFICE.

CHARLES E. McDERMOTT AND DARWIN McDERMOTT, OF SEVILLE, OHIO.

CARRIER.

No. 806,356.

Specification of Letters Patent.

Patented Dec. 5, 1905.

Application filed April 3, 1905. Serial No. 253,552.

To all whom it may concern:

Be it known that we, CHARLES E. McDERMOTT and DARWIN McDERMOTT, citizens of the United States, residing at Seville, in the county of Medina and State of Ohio, have invented new and useful Improvements in Carriers, of which the following is a specification.

Our invention relates to improvements in carriers for use in connection with hay-forks, slings, &c., for elevating and delivering such crops as hay, wheat, oats, &c., in barns and similar places of storage.

The object of our invention is to produce a generally improved device of this class which will be exceedingly simple in construction, cheap of manufacture, and efficient in use and which will be better adapted to its intended purposes than any other device of the same class with which we are acquainted.

With these ends in view the invention consists in the novel construction, arrangement, and combination of parts hereinafter described, illustrated in the accompanying drawings, and particularly pointed out in the appended claims.

Referring now to the drawings, Figure 1 is a side elevation of our improved device, showing the hook, rope, pulleys, &c., in proper position for use. Fig. 2 is a front sectional view of the stationary block with pulleys in the position they occupy just before one of the pulleys is disengaged to carry the hook back into the mow of the barn. Fig. 3 is a side sectional view of the same.

The invention consists, essentially, of a stationary block 1 of wood or metal fastened in the apex of the roof in any suitable manner. It is made up of the sides and ends 2 and 3, respectively, in the lower portion of which ends 3 there is mounted a hooked member consisting of a shank 4 and the hook 5, bent up at right angles to shank 4. The shank 4 of the hooked member is secured in position by means of the pins 6, which pass through the sides 2 and abut against the ends 3, as shown.

7 designates a pulley secured within the block 1 by means of a pin 8.

9 designates a pulley provided with a stationary eye 10, adapted to take over the hook 5, and a second or auxiliary eye 11, to which is secured the end of a small cord 12, passing through openings 13, formed in the ends 3 of the stationary block 1, over small pulley 7 and over a second small pulley 14 and having upon its suspended end a weight 15, which

returns the pulley 9 to its initial position upon the hook 5 when the same has been disengaged therefrom and moved toward the rear pulley, as hereinafter explained. 16 designates a second pulley provided with a frame 17, having upon its ends the fixed eyes 18. The lower eye is secured to the hook or sling and the upper eye is secured to the end of the main rope 19. The main rope 19 passes up and over the pulley 9 and thence back and over a third pulley 20, is thence returned under pulley 16, and thence over a fourth pulley 21, and down over pulley 22, secured near the floor, and out to the team for drawing the load to be discharged.

It will be observed that as the load is first elevated the pulley 16 will be elevated in a vertical direction until the upper eye 18 comes into engagement with the pulley 9, when said pulley will be elevated, (the rear of eye 10 taking against the end 3 of the stationary block 1,) raising the eye 10 off of the hook 5 and carrying the pulley toward the pulley 20 to the place where it is desired to deposit the load. When the load has been released, the weight 15, attached to the small cord 12, will return the pulley 9 to its initial position upon the hook 5.

Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principles or sacrificing any of the advantages of this invention.

Having thus described our invention, without having attempted to set forth all the forms in which it may be made or all the modes of its use, we declare that what we claim, and desire to secure by Letters Patent, is—

1. A carrier comprising a stationary block, a hooked member carried by said block, a pulley provided with a stationary eye adapted to take over said hooked member, a cord fastened to said pulley and provided with a weight adapted to normally retain said pulley upon said hooked member, a second pulley suspended from a rope passing over said first-mentioned pulley and adapted to engage the same when elevated, and a rope fastened to said second pulley and passing over said first pulley, thence over a third pulley, thence back and beneath said second pulley and over a fourth pulley substantially as described.

2. In a carrier, the combination with a stationary block and a hooked member secured thereto and a pulley mounted within said block; of a pulley provided with an eye adapt-

ed to take over said hooked member, a cord fastened to said eye and adapted to normally retain the same upon said hooked member, a second pulley mounted immediately beneath
5 said first-mentioned pulley and adapted to engage said pulley and lift same off said hooked member when a load is elevated, and a main rope secured to said second pulley and passing over said first-mentioned pulley.
10 3. A carrier, comprising a stationary block, a pulley mounted therein, a hooked member secured to said block, a pulley provided with an eye adapted to take over said hooked member, an auxiliary eye secured to said pulley
15 near said first-mentioned eye, a cord fastened to said auxiliary eye and passing over the pulley mounted with said stationary block, a second pulley mounted beneath said pulley provided with an eye and adapted to engage
20 said pulley and lift same off said hooked member when a load is elevated, and a main rope fastened to said second pulley and passing over said pulley provided with an eye, thence over a third pulley, thence back and beneath
25 said second pulley and over a fourth pulley substantially as described.

4. A carrier comprising a stationary block, a hooked member secured to said block, a pulley mounted within said block, a pulley provided with an eye adapted to take over
30 said hooked member, a second or auxiliary eye formed at the rear of said eye of said pulley, a cord secured to said auxiliary eye and provided with a weight adapted to normally return and retain said eye of said pulley upon said hooked member, a second pulley suspended beneath said pulley provided
35 with an eye and adapted to engage the same when elevated, and a rope fastened to said second pulley and passing over said pulley
40 provided with an eye, thence over a third pulley, thence back and beneath said second pulley and over a fourth pulley substantially as described.

In testimony whereof we have affixed our
45 signatures in presence of two subscribing witnesses.

CHARLES E. McDERMOTT.
DARWIN McDERMOTT.

Witnesses:

W. E. HAINES,
NINA P. NICHOLS.