

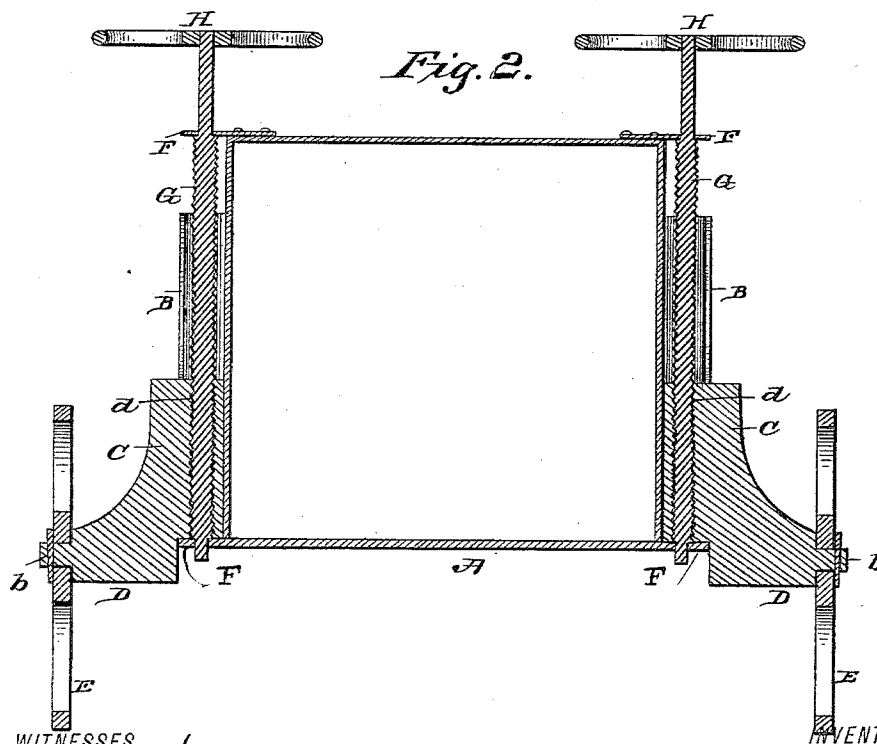
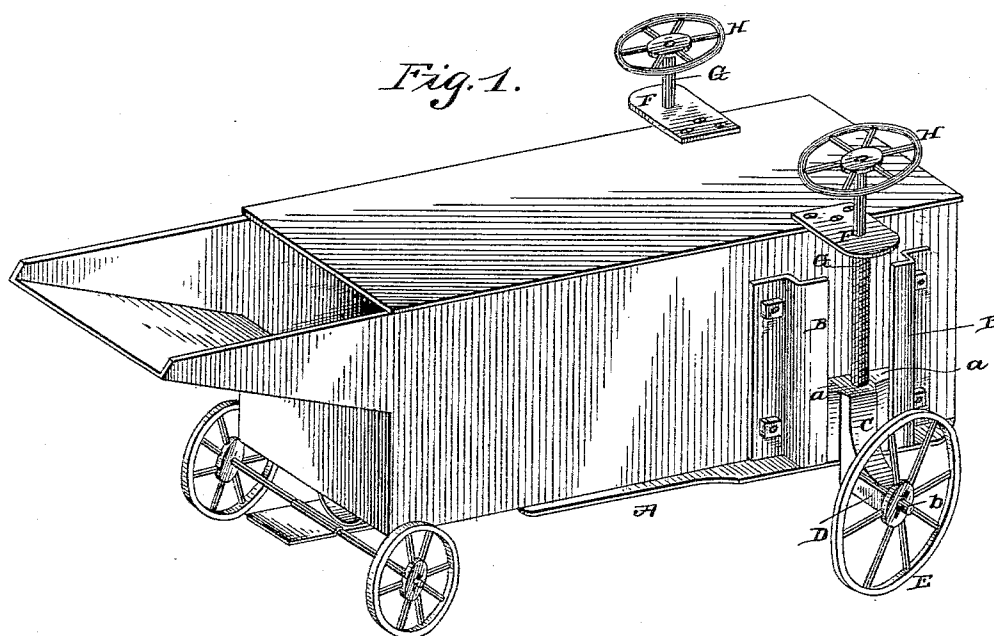
(No Model.)

J. H. BURGESS & J. BURGESS, Jr.

LEVELING ATTACHMENT FOR SEPARATORS.

No. 318,865.

Patented May 26, 1885.



WITNESSES

C. M. Washieell
E. G. Siggers

INVENTORS

J. H. & J. Burgess Jr.
By his Attorneys
C. A. Snow & Co.

UNITED STATES PATENT OFFICE.

JORDAN H. BURGESS AND JOSEPH BURGESS, JR., OF LEESBURG, ASSIGNORS
OF ONE-THIRD TO E. H. MILLER, OF GREENFIELD, OHIO.

LEVELING ATTACHMENT FOR SEPARATORS.

SPECIFICATION forming part of Letters Patent No. 313,865, dated May 26, 1885.

Application filed February 20, 1885. (No model.)

To all whom it may concern:

Be it known that we, JORDAN H. BURGESS and JOSEPH BURGESS, Jr., citizens of the United States, residing at Leesburg, in the county of Highland and State of Ohio, have invented a new and useful Improvement in Leveling Attachments for Separators, of which the following is a specification, reference being had to the accompanying drawings.

Our invention relates to devices for vertically adjusting grain-separators; and it has for its object to provide devices of the character mentioned which shall be simple in their construction, effective, and easily operated, and that will be strong and durable.

With these ends in view, the invention consists in the combination, with a separator or like machine, of vertically-movable slides carrying the wheels.

The invention further consists in the details of construction and combinations of parts, hereinafter fully described, and pointed out in the claims.

In the drawings, Figure 1 is a perspective view of a separator constructed in accordance with our invention. Fig. 2 is a transverse vertical section of the same, taken through the rear carrying-wheels.

In the accompanying drawings, in which like letters of reference indicate corresponding parts in both the figures, A represents the separator, upon the sides of which are arranged, near the rear end thereof, vertical guides B, which extend from the top to the bottom of the separator. Said guides are preferably cast and secured to the sides of the separator in any suitable manner, and a sufficient distance apart to allow slides C to readily move therein. The slides C are provided with flanges *a*, which fit the guides, and at their lower ends with outwardly-projecting extensions D, having stub-axes *b*, upon which the carrying-wheels E are mounted. At the upper and lower ends of the separator, on each side thereof, are provided outwardly-extending wings or flanges F, in which are mounted threaded rods G. The said rods G pass through vertical openings or passages *d*, formed in the slides C, and their lower ends, which are reduced, work in holes or openings

in the lower flanges F. The upper ends of the threaded rods are also reduced, and said reduced ends extend through and beyond the upper wings or flanges F, and are provided at their upper ends with hand-wheels H, whereby they may be readily and easily turned.

The operation is as follows: When it is necessary to raise the rear end of the separator to bring it on a level with the forward end thereof, the hand-wheels are turned from the top of the same, which causes the said rear end of the separator to be raised. If the rear end of the separator is higher than the forward end, said rear end may be readily lowered by a reverse turning of the hand-wheels to that employed for raising the separator. It will also be seen that one side of the separator may be raised and lowered independent of the other, so that if the wheels are on uneven ground the machine may be brought to a level by simply operating one of the screw-rods. By this arrangement the digging of holes in the ground or supporting one side of the separator upon blocks, so that it will be level, is obviated.

The devices before described are simple in their construction, may be readily and easily applied to separators now in use, are effective in their operation, and strong and durable.

Having fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. The combination, with a separator, of vertically-adjustable slides having carrying-wheels mounted on axles thereof, substantially as set forth.

2. The combination, with a separator having guides secured to its sides near the rear end thereof, of slides located therein and carrying wheels, and means, substantially as described, for raising and lowering the separator, substantially as set forth.

3. The combination, with a separator having guides secured to its sides, of slides located therein, said slides having extensions provided with stub-axes, carrying-wheels, and means, substantially as described, for raising and lowering the separator, substantially as set forth.

4. The combination, with a separator hav-

ing guides secured to its sides near the rear
end thereof, slides located therein, and hav-
ing extensions formed with stub-axles, carry-
ing-wheels, ears or lugs at the top and bottom
5 of the separator, and screw-rods having re-
duced ends, said screw-rods working in thread-
ed openings or passages in the slides, substan-
tially as set forth.

In testimony that we claim the foregoing as
our own we have hereto affixed our signatures in
presence of two witnesses.

JORDAN H. BURGESS.
JOSEPH BURGESS, JR.

Witnesses:

J. T. GUTHRIE,
J. HILLIARD.