

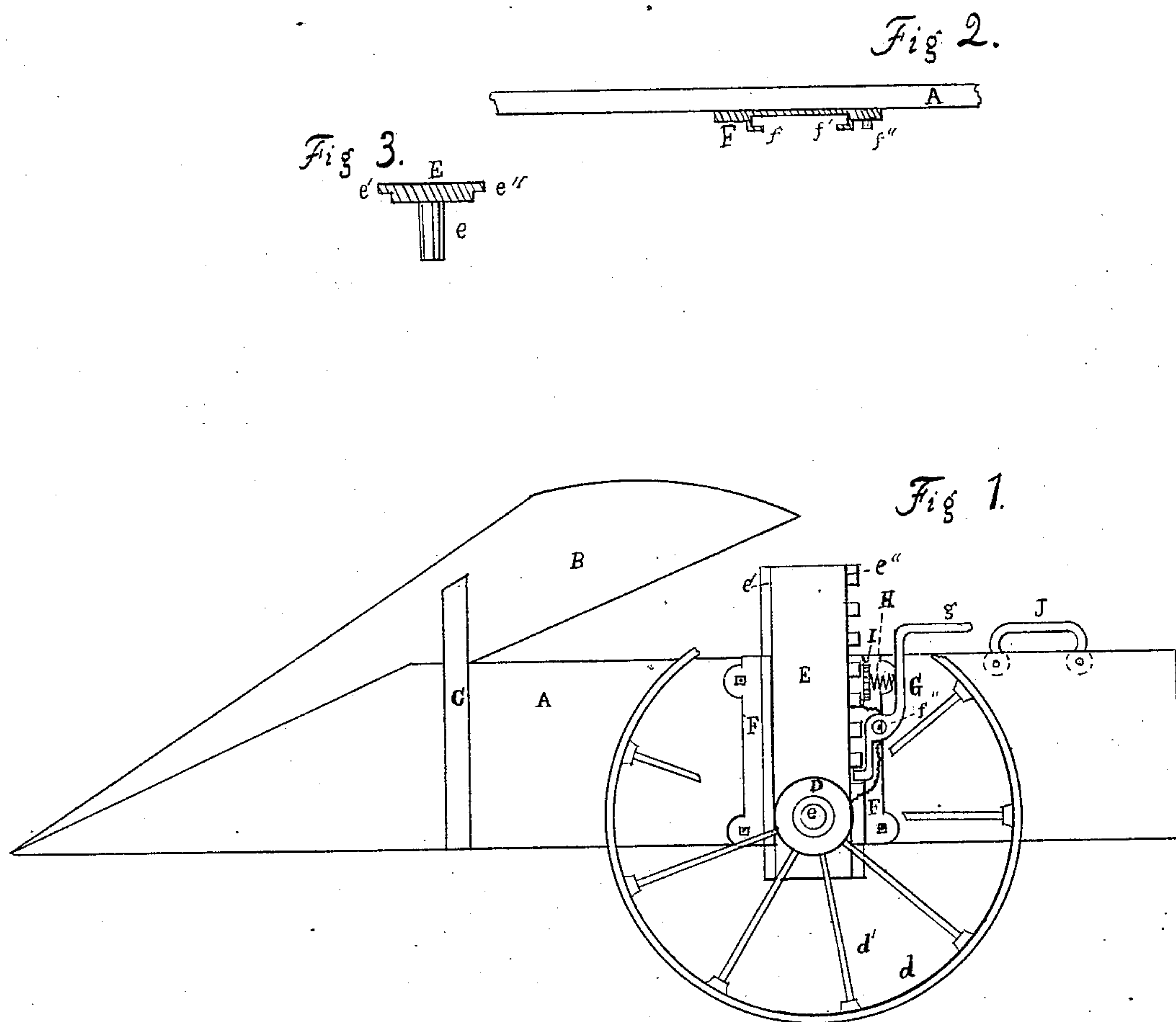
(No Model.)

J. W. WEBSTER.

HARVESTER.

No. 251,147.

Patented Dec. 20, 1881.



Witnesses.

John F. Steward
James

Inventor:

J. H. Webster

UNITED STATES PATENT OFFICE.

JOHN W. WEBSTER, OF CHICAGO, ILLINOIS, ASSIGNOR TO WILLIAM DEERING, OF SAME PLACE.

HARVESTER.

SPECIFICATION forming part of Letters Patent No. 251,147, dated December 20, 1881.

Application filed October 18, 1881. (No model.)

To all whom it may concern :

Be it known that I, JOHN W. WEBSTER, of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Harvesters, of which the following is a specification.

My invention relates to mechanism for permitting vertical adjustment of the grain or platform end of harvesters and its retention in position after such adjustment; and its nature consists in providing the divider with a guide and pawl, such guide being adapted to receive and permit to slide a ratcheted standard on which is journaled the supporting-wheel; in supplying the divider so arranged with one or more handles by which to lift it, one or both of which being adapted to operate a pawl engaging the ratcheted slide journaling the supporting-wheel.

In the drawings, Figure 1 is a side elevation; Fig. 2, a plan view, showing the guides; and Fig. 3, a plan view, showing the slide. A is the divider-board; B, the gathering-board; C, a cleat uniting the two; D, the divider-wheel; *d*, the wheel's rim; *d'*, its spokes; F, a metallic guide for the slide E; G, the pawl, provided with the lifting-handle *g*. H is a coiled spring, located between the lug I and the handle of the pawl to force engagement of the latter. J is a handle for convenience in lifting the divider.

The guide F is provided with a stud, *f''*, upon which the pawl is pivoted. The guide F is permanently secured to the board A. The wheel D is journaled on *e*. The guides *f f'* extend over the flanges *e' e''* and restrain the slide E from movement in any other than a vertical direction.

The guide *f'* is shown broken away in Fig. 1, so as to show the pawl in engagement with the notches in E.

The wheel is shown broken away for clearness. Handle J may be secured to the board A with bolts or rivets, or a slot may be cut

through the board and its upper margin be rounded like a shovel-handle.

In respects not mentioned my divider does not differ from those in common use.

To operate my device, the attendant, approaching the divider, stoops, grasps the two handles, and lifts it to any desired height, the act of lifting disengaging the pawl, and the releasing of the hold upon the handles permitting the pawl to engage the ratchet.

I am aware that dividers have been made with the slide and guide and other forms their equivalent, and that F has been provided with a rack and E with a pinion, to assist in the adjustment relatively, and a pawl to retain such adjustment; that E and F have been connected by a lever to effect and a pawl to retain adjustment. In all cases known to me the pawl has been located on whatever was used as the equivalent of E, and the ratchet on F, so that the hand that was occupied in disengaging the pawl could not be exerted to lift the divider.

What I claim is—

1. The combination of the pawl G, provided with the handle *g*, and located in fixed relation to the divider, and the ratcheted slide E, substantially as and for the purpose specified.

2. The combination of the guide F, fixed to the divider-board, the pawl G, located thereon, and the ratcheted wheel-support E, substantially as described.

3. The combination of the guide F, the pawl located in a fixed relation thereto, and provided with the handle *g*, and the ratcheted slide E, substantially as and for the purpose described.

4. The combination of the guide F, slide E, pawl G, provided with the handle *g*, and the handle J, substantially as and for the purpose described.

JNO. W. WEBSTER.

Witnesses:

C. SCATES,
JOHN F. STEWARD.