C. WHEELER, Jr. & H. J. CASE.

Harvester-Seat.

No. 163,287. Patented May 11, 1875.

Fig. 1.

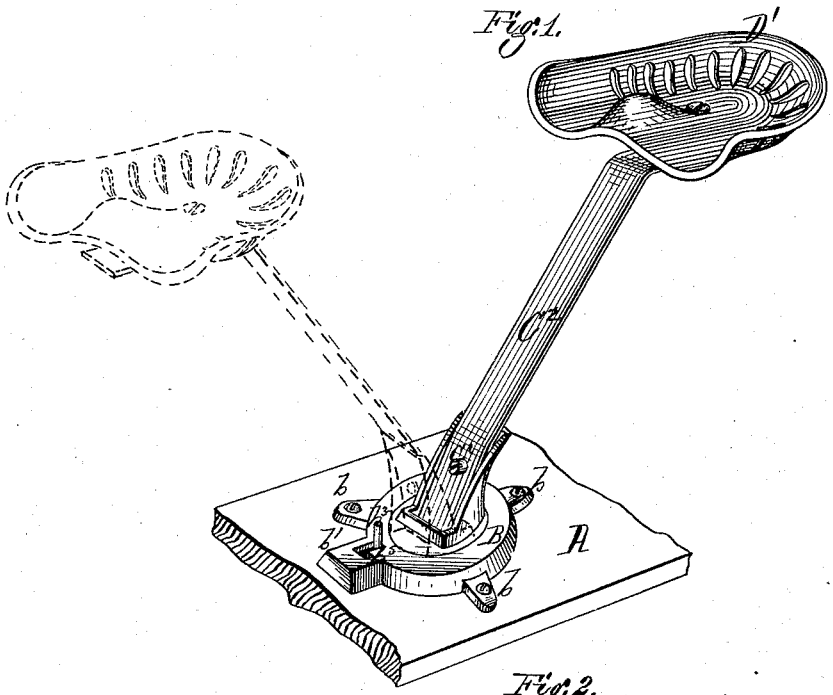

Fig. 2.

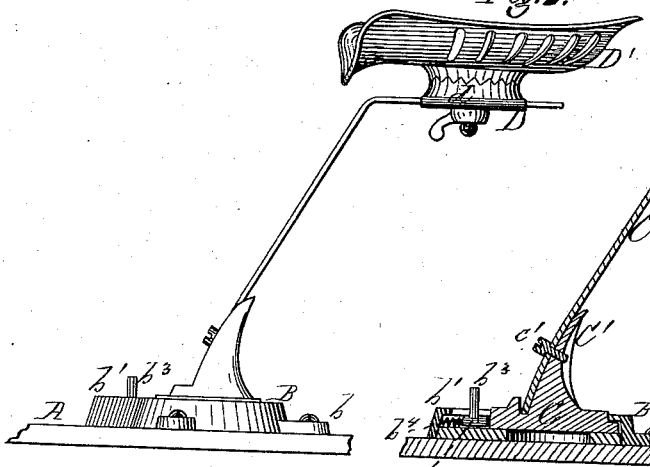

Fig. 3.

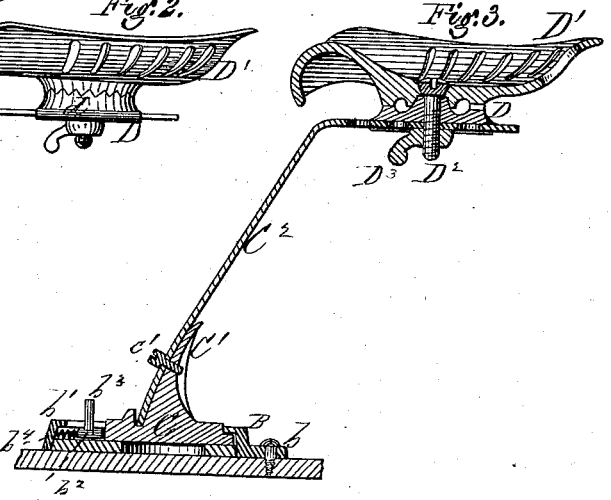

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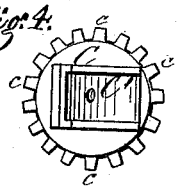
Fig. 4.



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UNITED STATES PATENT OFFICE.

CYRENUS WHEELER, JR., AND HENRY J. CASE, OF AUBURN, NEW YORK; SAID CASE ASSIGNOR TO SAID WHEELER, JR.

IMPROVEMENT IN HARVESTER-SEATS.

Specification forming part of Letters Patent No. **163,287**, dated May 11, 1875; application filed April 1, 1875.

To all whom it may concern:

Be it known that we, CYRENUS WHEELER, Jr., and HENRY J. CASE, both of Auburn, county of Cayuga, State of New York, have invented a new and useful Improvement in Seats for Harvesters, of which the following is a full, clear, and exact description, reference being had to the accompanying drawing, making part of this specification, in which—

Figure 1 is a perspective view of our improved harvester-seat, showing the seat in full line in one position and in dotted lines in another. Fig. 2 is a side view of the same. Fig. 3 is a section through the seat and seat-standard; and Fig. 4 is a plan or top view of the notched disk, to which the seat-standard is connected.

The invention relates to a novel means for adjusting the seats of harvesting-machines, whereby the same can be turned to any desired position or angle on the frame, while at the same time its support shall always remain stationary upon the frame when in use; and consists in connecting the seat-spring to a notched disk or plate, which is held by, but free to turn in, a hollow disk or plate secured to the frame, and in the combination, with said notched disk or plate, of a spring bolt or pin for holding the notched disk at any desired point of adjustment, as hereinafter described.

In the accompanying drawings, A represents a section of the frame, upon which is mounted the socket-plate B, in which the foot-plate of the seat spring or support is mounted, and in which it is free to turn. The socket-plate B is made in the form of an inverted cup, and is provided with a circular opening in its top, and has formed upon its outer rim or edge lugs or ears *b*, by which it is secured to the frame. This plate is also provided with an extension or projection, b^1, in which is placed a pin or bolt, b^2, the handle of which, b^3, passes up through an L-shaped slot cut in said protion b^1, and behind said bolt is placed a spring, b^4, as shown in Fig. 3; this bolt, when the plate B is placed over the foot-plate hereinafter described, springing into notches formed therein for holding said plate at any desired point. The foot-plate C is of a diameter to fit the circular opening in the plate B; but has formed upon its lower portion a series of teeth or projections, *c*, which are inclosed by the socket-plate B. This foot-plate has also formed with or otherwise connected with it a curved standard, C^1, to which the seat-spring C^2 is connected by means of a screw, c^1, the lower end of said spring fitting into a groove or recess formed in the face of the plate C. The spring or seat support is extended up to the usual height, at an angle of about forty-five degrees, to the seat-plank, where it is turned or bent at an angle, bringing it parallel with the face of said plank, and upon this extension of the spring the seat is connected. D is a rose-plate, which is provided upon its lower face and at two sides with overhanging lips *d*, which clasp the edge of the spring, and to this plate the seat D^1 is connected, being provided upon its lever-face with notches matching those in plate D, and both being connected with the spring by a through-bolt, D^2, and thumb-nut D^3. The extension of the seat-spring is provided with a series of perforations, by means of which the seat can be set at any desired point in its length.

The seat, as represented in full lines, Fig. 1, is in the position which it generally occupies on a mower, and when it is desired to change the position of the seat when the machine is converted into a reaper, or from any other cause, the bolt b^2 is drawn back, and the handle caught in the slot b^5, which leaves the disk C free to turn in the disk B. When the disk *c* is turned to the desired angle, the bolt is released, when it springs into one of the series of notches formed between the teeth in the disk *c*, which firmly hold the seat-support in that position.

If it is also desired to change the angle of the seat to its support, the nut D^3 is loosened, and plates D and D^1 drawn apart, when the seat can be turned to the position shown in dotted lines, Fig. 1, when the nut D^3 is tight-

ened, drawing the plates D D^1 together, and firmly locking them in the desired relation to each other.

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

The notched or toothed disk, forming the pivotal support for the seat-standard, in combination with the socket-plate B and the spring locking pin or bolt, substantially as and for the purpose set forth.

In testimony whereof we have hereunto set our hands this 23d day of March, A. D. 1875.

CYRENUS WHEELER, JR.
HENRY J. CASE.

Witnesses to signature of C. WHEELER, Jr.:
ALEXANDER MAHON,
JOHN G. CENTER.
Witnesses to signature of H. J. CASE:
WM. A. BAKER,
CHAS. L. WHEATON, Jr.