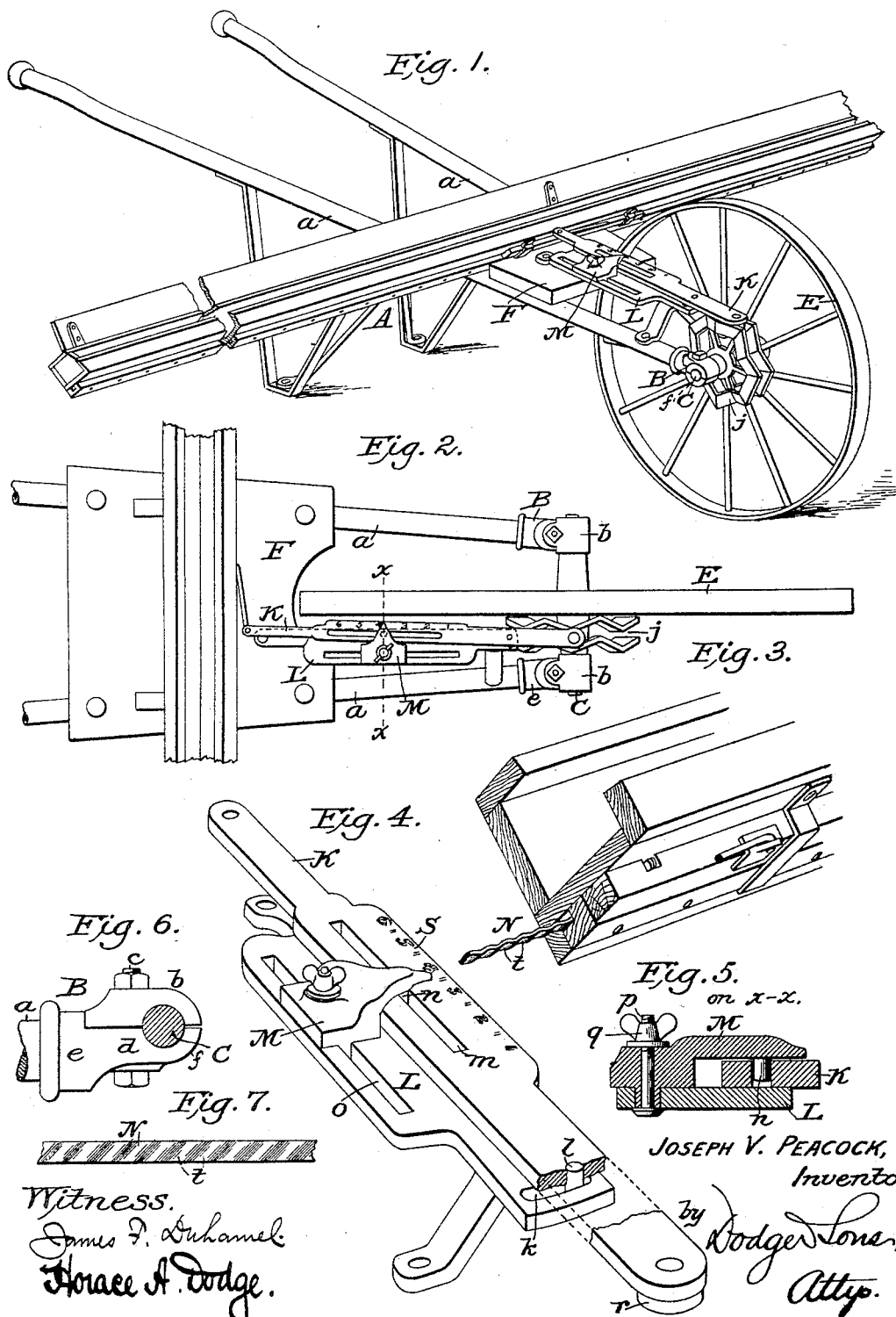


(No Model.)

J. V. PEACOCK.  
SEEDER.

No. 453,732.

Patented June 9, 1891.



Witness.  
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by  
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# UNITED STATES PATENT OFFICE.

JOSEPH V. PEACOCK, OF PHELPS, NEW YORK.

## SEEDER.

SPECIFICATION forming part of Letters Patent No. 453,732, dated June 9, 1891.

Application filed March 14, 1891. Serial No. 385,080. (No model.)

*To all whom it may concern:*

Be it known that I, JOSEPH V. PEACOCK, a citizen of the United States, residing at Phelps, in the county of Ontario and State of New York, have invented certain new and useful Improvements in Seeders, of which the following is a specification.

My invention relates to that class of machines known as "walking-seeders," and is designed primarily as an improvement upon the machine shown in Letters Patent No. 335,779, dated February 9, 1886.

The improvement consists, first, in a novel construction of devices for regulating the feed or discharge; second, in a novel construction of the distributing-slide, and, third, in a novel construction of the axle-clamp.

Figure 1 is a perspective view of my improved seeder; Fig. 2, a top plan view of a portion of the same; Fig. 3, a sectional perspective view of the hopper; Fig. 4, a perspective view of the devices for regulating the feed or discharge; Fig. 5, a transverse sectional view of the same on the line *x x*, Fig. 2; Fig. 6, a side view of the axle-clamp, and Fig. 7 a face view of a piece of the distributing-slide.

A indicates the frame of the machine, and *a a* the side bars thereof, formed of wrought-iron pipe. These bars converge or approach each other toward the forward end of the machine, as shown in Fig. 2, being separated a distance of about twenty-four inches at the rear end and about six inches at the forward end.

Each bar *a* screws into or is otherwise secured to a thimble B at its forward end, which thimble is of the form shown in Figs. 1, 2, and 6—that is to say, consisting of a body portion *d* at right angles to the line of travel of the machine, and a neck *e*, joining the body at an angle corresponding to the inclination or divergence of the side bar *a*. The main body of each thimble is provided with a concave seat or recess *f*, of a size and shape to receive one end of a short rod or piece of pipe or tubing C, which forms the axle, which axle is held in place by a removable cap *b*, having a concave seat or recess on its under face and bolted by means of a bolt *c* to the main body of the thimble. The wheel is of course provided with laterally-extending hubs, which

bear at their ends against the inner faces of the thimbles B and maintain the said bars at the proper distance apart.

The side bars *a* are connected in rear of wheel E by a board or platform F, substantially as in the patent hereinbefore referred to, and the driving-wheel is provided with a cam *j*, as also shown in said patent.

K indicates the vibratory lever, through which motion is imparted to the slide of the seeding mechanism, said lever having at its forward end a roller *r* to enter the groove in the cam-wheel, as clearly shown in Figs. 1, 2, and 4. This lever K lies flatly upon the upper face of a plate or bracket L, secured to the frame-work of the machine, and is adapted to swing laterally with reference to said plate or bracket, the movement of the lever being limited by means of a slot *k*, formed in the plate or bracket to receive a pin or stud *l*, projecting downward from the lever, as clearly shown in Fig. 4. Upon reference to this figure it will also be observed that the lever K is slotted longitudinally, as at *m*, to receive a pin or stud *n*, projecting downwardly from the under side of a block M, adjustable with reference to the support or bracket L. The bracket is also slotted longitudinally, as at *o*, to receive a portion of the block M, which latter is provided with a bolt *p* and thumb-screw *q*, by means of which the block may be clamped in its various adjusted positions. It will thus be seen that by varying the position of the block M and its stud relatively to the lever the movement or throw of the inner end of the lever may be varied, as desired, and to insure a regularity and certainty in the adjustment of the block, and consequently of the movement of the lever, I provide the latter with a scale or index, (indicated by the letter S in Fig. 4,) the numbers forming the scale indicating the quantity of seed per acre sown under the different adjustments.

In machines of this general character, in which twisted wire has been used as the distributing-slide, great difficulty has been encountered in keeping the wire in such shape as to act efficiently throughout the entire length of the hopper, which latter is usually from ten to fifteen feet in length.

While the wire would lie flatly in the bottom of the hopper in some parts, it would not

assume its proper position in other parts, and consequently the machine would sow irregularly and unevenly. I overcome these objections by making the distributor-slide of a narrow flat strip of metal. (Represented by N, Figs. 3 and 7.) This strip of metal is provided with a series of indentations *t*, extending diagonally across its flat face, the indentations in one face alternating with the indentations on the other face, so as to form a slightly-corrugated strip. Such a distributor-slide as this is found in practice to retain its form, thereby insuring a uniform and regular distribution of the seed throughout the entire length of the hopper, which, as will be readily seen, is a matter of considerable importance.

All parts of the machine which have not been specifically referred and described in detail may be constructed like the corresponding parts in the patent hereinbefore referred to.

It will be noticed that in adjusting or varying the throw of the lever it is only necessary to loosen the thumb-nut, thereby obviating the use and removal of any detachable parts as have heretofore been used.

The corrugations or indentations in the slide N are shown as extending diagonally across the face of the strip; but it is to be understood that the exact angle or inclination shown is not essential. Indeed, they might extend across the strip at right angles to its length.

Having thus described my invention, what I claim is—

1. In a seeder, the combination, with the side bars *a a*, of the thimbles B, each provided with a removable cap *b*, adapted to clamp the axle in place.

2. In a seeding-machine substantially such as shown and described, a seed-discharging slide composed of a flat strip of metal having transverse corrugations.

3. In a seeder, the combination, with the distributing-slide and cam, of the vibratory lever K, the plate or support L, the adjustable block M, provided with a pivot *n* for the lever, and means for clamping the block in position.

4. In a seeder, the combination, with the distributing-slide and cam, of the vibratory lever K, slotted, as at *m*, and provided with a pin or stud *l*, the plate or bracket L, provided with the slots *k* and *o*, the former adapted to receive the pin *l*, a block M, adjustable within the slot *o* and provided with a pin *n* to project into the slot *m*, and means for clamping the block in its adjusted positions.

In witness whereof I hereunto set my hand in the presence of two witnesses.

JOSEPH V. PEACOCK.

Witnesses:

J. A. HOWLAND,  
D. R. SMITH.