(No Model.)

O. SWISHER.

DEVICE FOR LEVELING SEPARATORS.

No. 564,544. Patented July 21, 1896.

Fig. 1

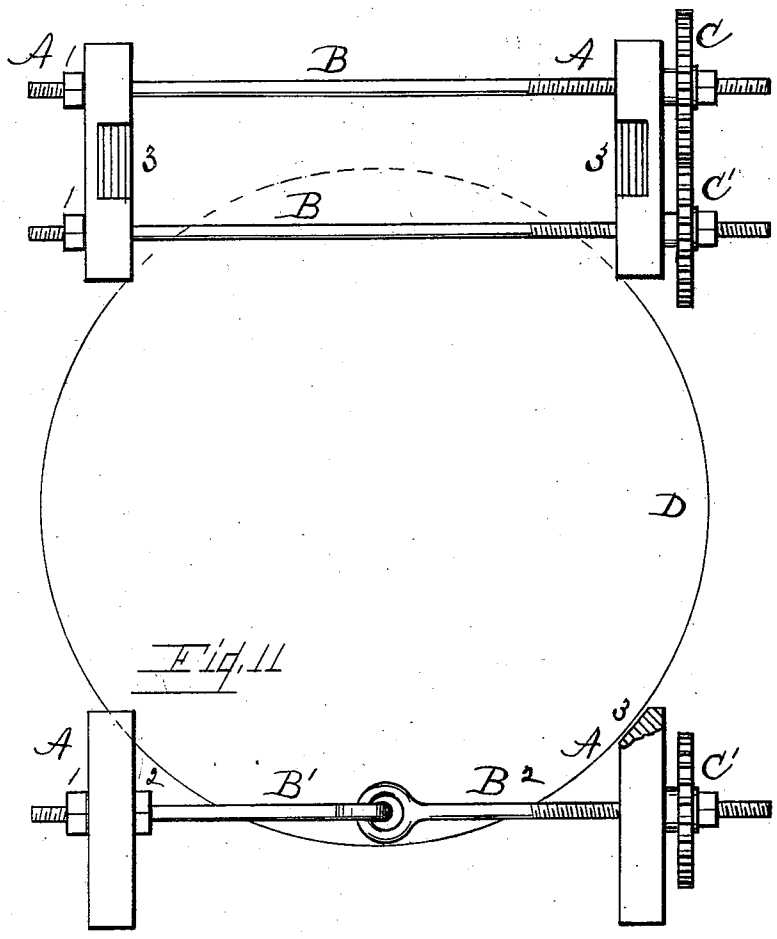

Fig. 11

Witnesses
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UNITED STATES PATENT OFFICE.

ORANGE SWISHER, OF WEST BALTIMORE, OHIO, ASSIGNOR OF ONE-HALF TO AMOS C. VANLUE, OF SAME PLACE.

DEVICE FOR LEVELING SEPARATORS.

SPECIFICATION forming part of Letters Patent No. 564,544, dated July 21, 1896.

Application filed April 27, 1896. Serial No. 589,213. (No model.)

To all whom it may concern:

Be it known that I, ORANGE SWISHER, a citizen of the United States, residing at West Baltimore, in the county of Montgomery and State of Ohio, have invented a certain new and useful Improvement in Devices for Leveling Separators; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to improvements in a device for leveling separators, the features of which will be fully hereinafter described and claimed.

The object of my invention is to elevate parts of separators, with a view to leveling the same, by means of blocks placed against the periphery of the ground-wheel and by tie-rods connecting the same and geared to move simultaneously, and thereby elevate the ground-wheels as is found necessary. The object is accomplished by the device illustrated in the accompanying drawings, in which—

Figure 1 is a plan of the device. Fig. 2 is a side view showing a jointed tie-rod.

Like letters and numerals designate like parts in the two views.

A A are two blocks of wood chamfered at 3 3 to form bearings for a ground-wheel. Each has two holes bored transversely through for the reception of the tie-rods B B. Nuts 1 1 are attached to the left end of these tie-rods, but solid heads might be substituted to hold the ends of the rods. The upper tie-rod is provided on its right end with a left-handed thread and the lower one with a right-handed screw-thread.

C C′ are nuts with threads adapted to their respective tie-rods. Each is provided with a collar which bears against the block. They have engaging cogs and a square projection adapted for engagement with a wrench. When one is turned, the other moves simultaneously.

At Fig. 2 the tie-rod is shown of two parts B' B^2, looped together, and the tie-rods may be linked near their centers. The circular solid and dotted line D, Fig. 2, shows the position of the ground-wheel as held in the device.

It is apparent that if the nuts C C′ are turned up the blocks are made to approach and the wheel is elevated, thus carrying up a depressed portion of a separator. In this manner the machine is readily leveled and all parts held at an equal altitude.

Having fully described my invention, what I claim, and desire to secure by Letters Patent, is—

In a device for leveling separators, the combination of the sustaining-blocks, the parallel tie-rods held in orifices of said blocks, the nuts C C′ provided with screw-threads to engage said rods and geared together by cogs to move simultaneously, substantially as described.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

ORANGE SWISHER.

Witnesses:

B. PICKERING,

E. J. FINKE.