2 Sheets—Sheet 1.

J. R. JACKSON.

PLOW.

No. 190,593. Patented May 8, 1877.

Fig. 1.

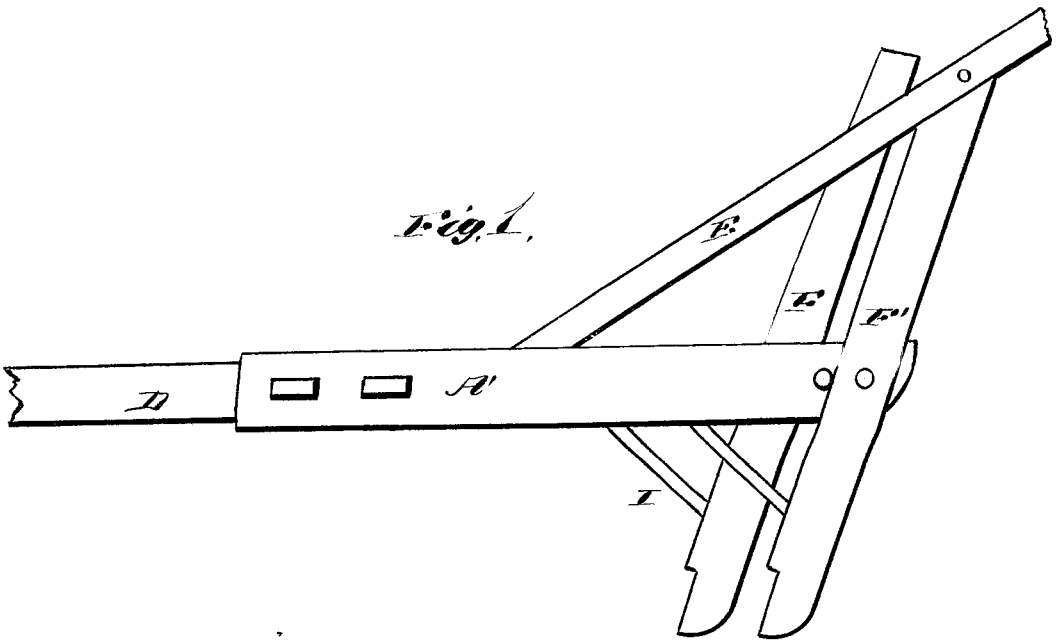
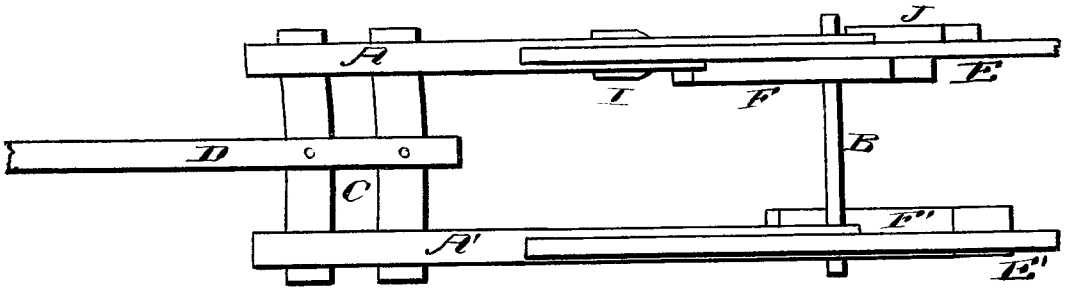


Fig. 2.



WITNESSES

E. H. Bates

George E. Upham

INVENTOR.

James R. Jackson.

Gilmore & Smith & Co.

ATTORNEYS.

UNITED STATES PATENT OFFICE.

JAMES R. JACKSON, OF COLDWATER, MISSISSIPPI.

IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. **190,593**, dated May 8, 1877; application filed March 31, 1877.

To all whom it may concern:

Be it known that I, JAMES R. JACKSON, of Coldwater, in the county of Tate and State of Mississippi, have invented a new and valuable Improvement in Plows; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a side elevation of my plow, and Fig. 2 a plan view thereof. Fig. 3 is also a side elevation, and Fig. 4 a transverse vertical sectional view of the same. Figs. 5 and 6 are detail views.

This invention relates to double-beam plows and consists in certain devices whereby the same are adapted to run with both plows parallel or with one plow ahead of the other, as will be hereinafter more fully set forth.

In the accompanying drawings, A and A′, respectively, designate the two side beams of my double-shovel plow, which are connected behind by an iron bar or rod, B, and in front by cross-bars C, that also serve for the attachment of a draft-tongue, D. E E′ are the handles attached, respectively, to said beams A and A′ and to standards F and F′. Standard F′ is fixed upon the rear end of side beam A′, but standard F is attached to side beam A by means of a detachable screw, G, and to handle E by a detachable pin or rod, H. Said handle E is provided with two perforations, *e e′*, one being some distance in front of and below the other. Said standard F is likewise provided with a perforation, *f*, at its upper end, and with a lower perforation, *f′*. Said beam A is also provided with two perforations, *a a′*, the former being at the rear end of said beam and the latter in front of it. Said beam A is further provided with two perforations, a^2 a^3, one before the other, for the attachment of a bifurcated brace-bar, I. By means of the said perforations, bolt, screw, and brace, the standard F may be attached either at the rear of beam A, so as to be parallel with standard F′, or diagonally in front of the same, as shown in Fig. 1. In the latter case, the handle E is supported by an upright piece J; but in the former case each standard supports its handle.

When the standards are parallel, the machine is adapted to straddle and cultivate rows of corn. When one is obliquely in advance of the other, they may be used for breaking land, and similar purposes.

What I claim as new, and desire to secure by Letters Patent, is—

The combination, with beam A′, handle E′, and fixed standard F′, of beam A, having perforations a a^1 a^2 a^3, brace I, standard F, having perforations *f f′*, and handle E, having perforations *e e′*, substantially as and for the purpose set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

JAMES R. JACKSON.

Witnesses:

W. C. LYONS,

J. R. TURLEY.

D. JANSSEN.

PORTABLE WINDLASS.

No. 190,594. Patented May 8, 1877.

Fig. 1.

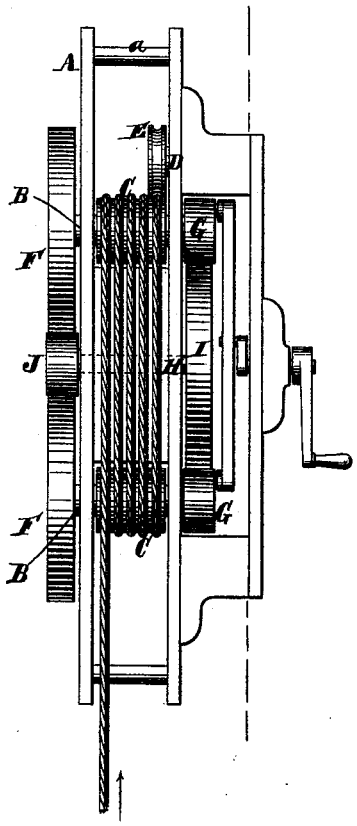
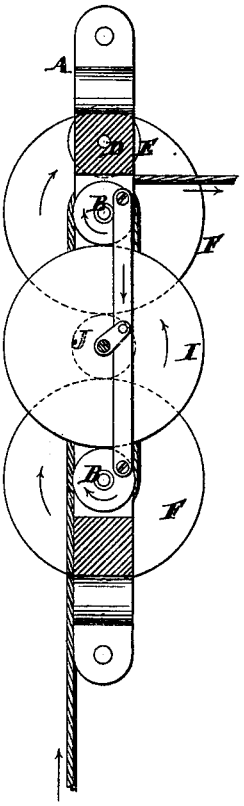


Fig. 2.



Witnesses.

Otto Hufeland.

Chas. Wahlers.

Inventor.

Diedrich Janssen

by

Van Santvoord & Hauff

his attorneys.