O. J. GLASOE.

Plow.

No. 164,727. Patented June 22, 1875.

Fig. 1.

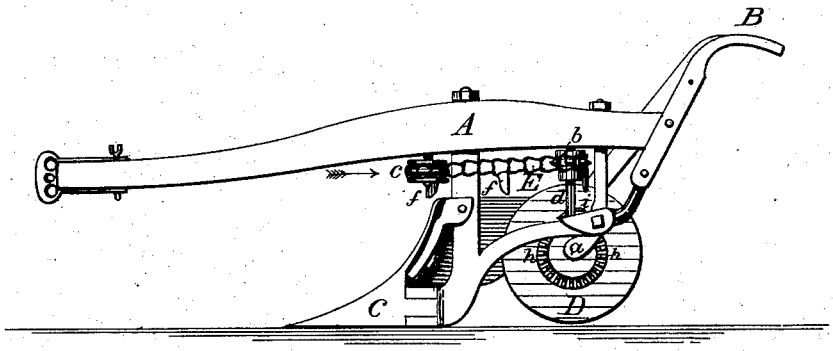
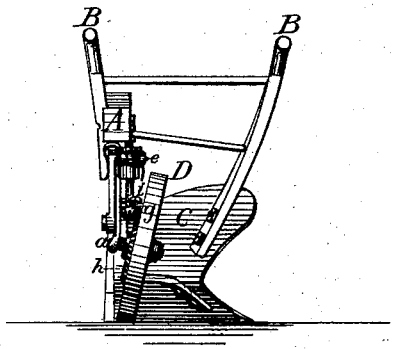


Fig. 2.



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UNITED STATES PATENT OFFICE.

OLE JACOBSON GLASOE, OF LANESBOROUGH, MINNESOTA.

IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. **164,727**, dated June 22, 1875; application filed March 25, 1875.

To all whom it may concern:

Be it known that I, OLE J. GLASOE, of Lanesborough, in the county of Fillmore and State of Minnesota, have invented certain new and useful Improvements in Plows; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings and to the letters of reference marked theron, which form a part of this specification.

My invention consists in the combination, with a plow, of a device for preventing the straw from piling up under the beam, as hereinafter more fully described, and pointed out in the claims.

Figure 1 is a side view of my improved plow, and Fig. 2 is a rear view of the same.

Similar letters of reference indicate corresponding parts in both figures.

A is the beam, B represents the handles, and C is the share. D is a wheel or circular disk, made of iron, steel, or any other suitable material, and pivoted obliquely upon the arm *a*, forming part of the frame of the plow, back of the share, and mold-board. E is an endless chain or band, moving round the flanged pulleys *h* and *e*, and provided with the clearers or cutters *f*. I prefer to have one or both of the pulleys *h e* provided with laterally-projecting teeth, (shown at *e* in Fig. 2,) which engage with the links of which the chain E is composed. The pulley *b* is operated by the vertical shaft *d* and pinion *g*, which latter engages with the teeth or cogs *h*, arranged concentrically upon the wheel D, as shown. It follows that when the wheel D rotates from operating the plow, the pinion *g*, shaft *d*, and pulley *h* will rotate also, and the chain E, with its clearers, will move in the direction indicated by the arrow. As part of the soil may sometimes adhere to the cogs *h* I place a sheet-metal clearer, *i*, over the pinion *g*, which frees the cogs from dirt before they engage with the pinion. A coarse brush or broom may be placed here, and perform a similar function, if found desirable.

By this arrangement the brush and stubble, that are apt to pile up under the beam, thereby greatly impeding progress and causing a great waste of power, are cut and cleared away, and my improved plow, which has in addition the benefit of the rotating land-side, may be operated much easier, and with less expenditure of force, than plows as ordinarily constructed without this improvement.

Having thus described my invention, I claim, and desire to secure by Letters Patent of the United States—

1. In a plow, the endless chain or band E, provided with the clearers *f*, substantially as and for the purpose set forth.

2. The combination of the wheel or disk D, having the concentrically-arranged cogs *h*, with the pinion *g*, shaft *d*, pulleys *b c*, and chain E, having cutters F, substantially as and for the purpose set forth.

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

OLE JACOBSON GLASOE.

Witnesses:

GEO. W. SAWYER,

P. A. MELGARD.