B. F. CHANDLER.

PLOWS.

No. 193,923. Patented Aug. 7. 1877,

Fig. 1.

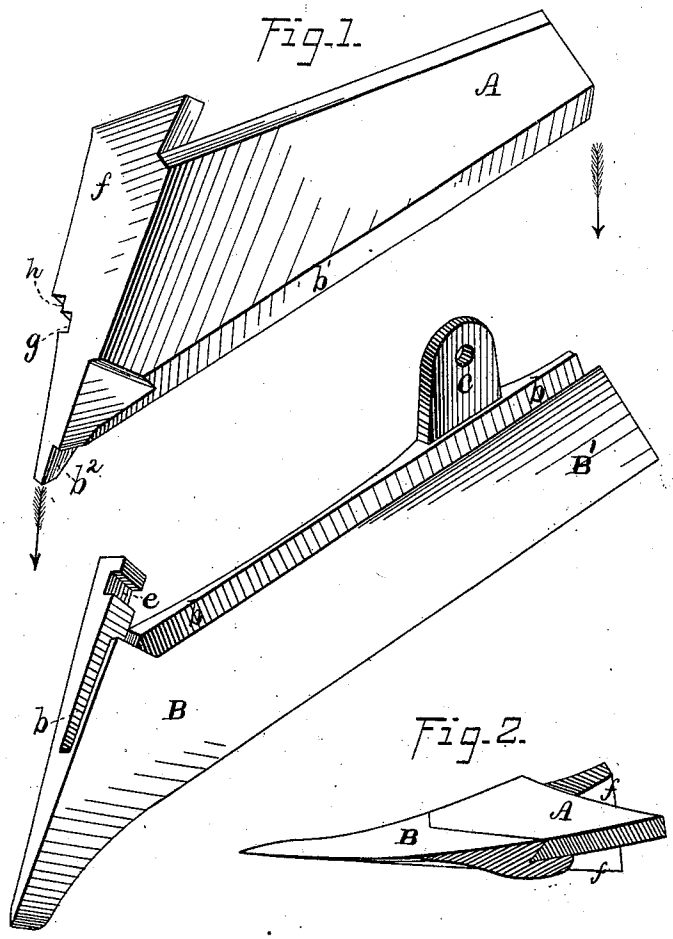
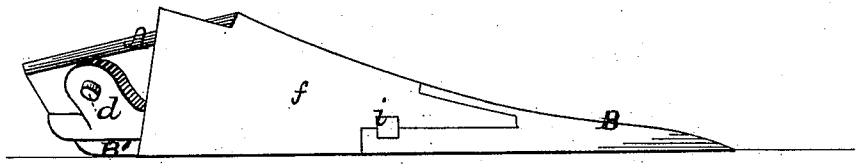


Fig. 2.

Fig. 3.



WITNESSES:

Jas. C. Hutchinson

J. Wm. Miller.

INVENTOR.

B. F. Chandler

Edson Bros.

Attorneys.

N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

BENJAMIN F. CHANDLER, OF THREE LOCUSTS, OHIO.

IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. **193,923**, dated August 7, 1877; application filed April 25, 1877.

To all whom it may concern:

Be it known that I, BENJAMIN F. CHANDLER, of Three Locusts, in the county of Marion and State of Ohio, 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 appertains to make and use the same, reference being had to the acccompanying drawings, and to the letters of reference marked thereon, which form a part of this specification, and in which—

Figure 1 is a view, in perspective, of my improved plow, showing the share and its point separated. Fig. 2 is a horizontal section thereof, and Fig. 3 is side view of the same.

Corresponding parts in the several figures are denoted by like letters.

This invention relates to a certain improvement in plows; and it consists in rendering the point detachable, substantially as hereinafter more fully set forth.

In the annexed drawing, A refers to the share, and B to the point, which is extended, as at B′, to form the blade or cutting-surface of the share. In the rear end of the point B, and extending along its extended portion B′, is a V-shaped slot or groove, *b*, which receives and fits upon the front edge of the share A, the share being beveled or tapered, as at b^1 and b^2, to permit of its insertion therein, as seen in Figs. 2 and 3. One leg of the V-shaped groove *b* is longer than the other, and binds against the share, thus breaking joints with its shorter leg. The extended portion of the point B is cast with a perforated plate or projection, *c*, through which is inserted a tapering pin, *d*, for connecting the said portion B′ with the share. The rear end of the point B is recessed, as at *e*, and the lower or horizontal portion *f* of the share A stepped and recessed, as at *g h*, to allow the two to fit together, as seen in Fig. 3, and also to provide an orifice or aperture for the reception of a bolt, *i*, to unite the point to the share.

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

The point B B′, having the extended V-shaped slot or groove *b*, recess *e*, and perforated projection *c*, in combination with the share A, beveled and tapered, as at b^1 b^2, and recessed and stepped, as at *g h*, substantially as and for the purpose set forth.

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

BENJAMIN F. CHANDLER.

Witnesses:

JOBE CAMPBELL,

J. M'CUNE.