No. 679,595. Patented July 30, 1901.

C. A. BOLLINGER.

PLOW.

(Application filed Dec. 22, 1900.)

(No Model.)

Fig. 1.

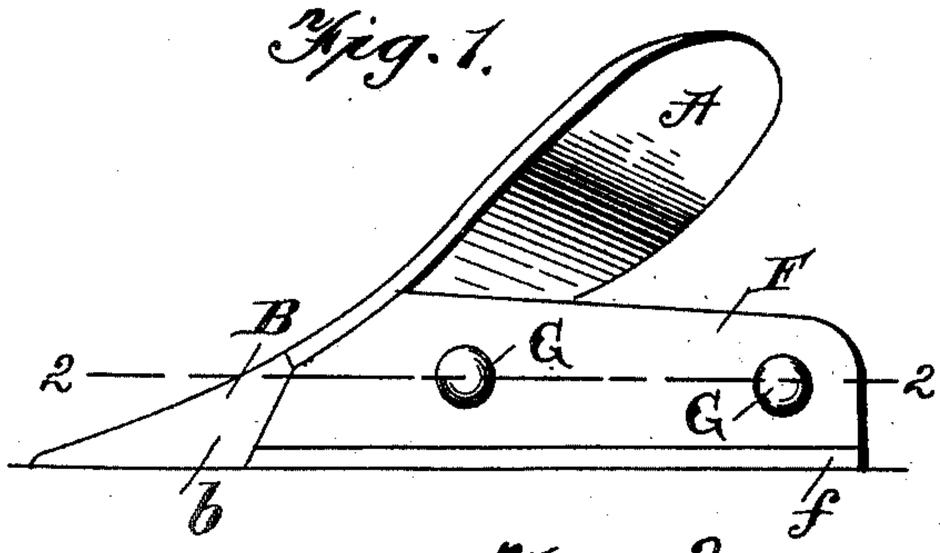


Fig. 2.

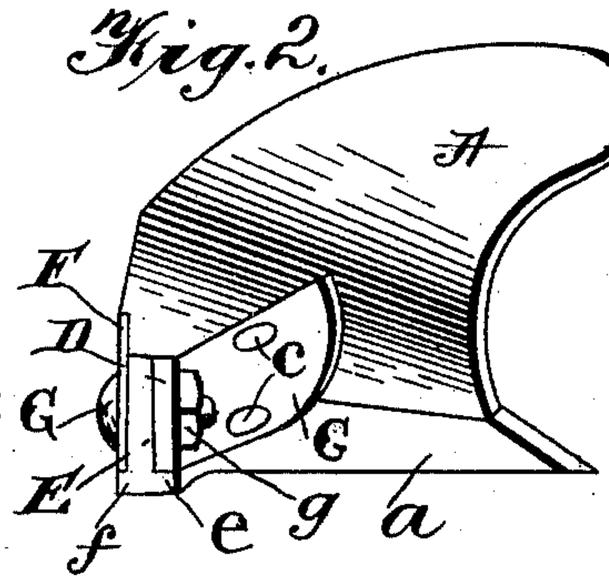


Fig. 3.

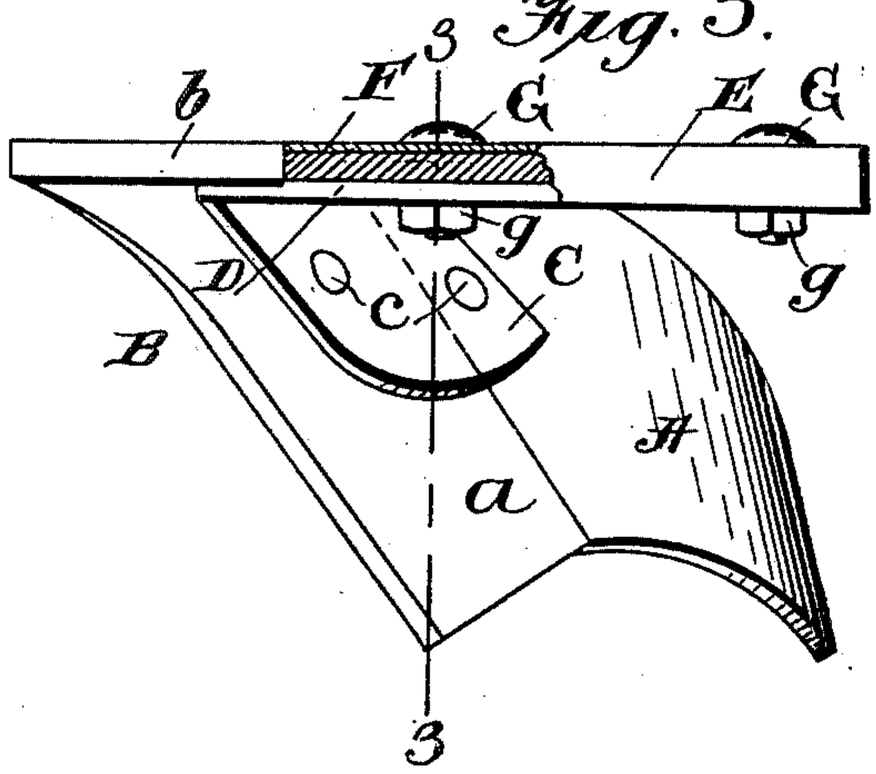


Fig. 4.

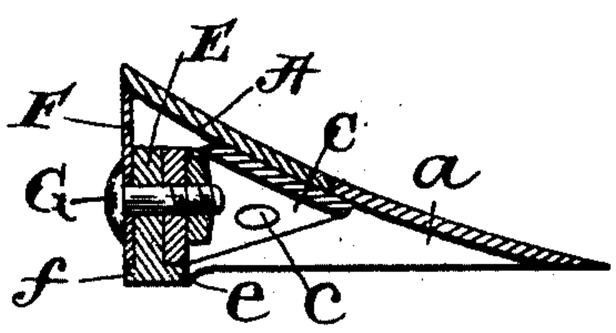


Fig. 5.

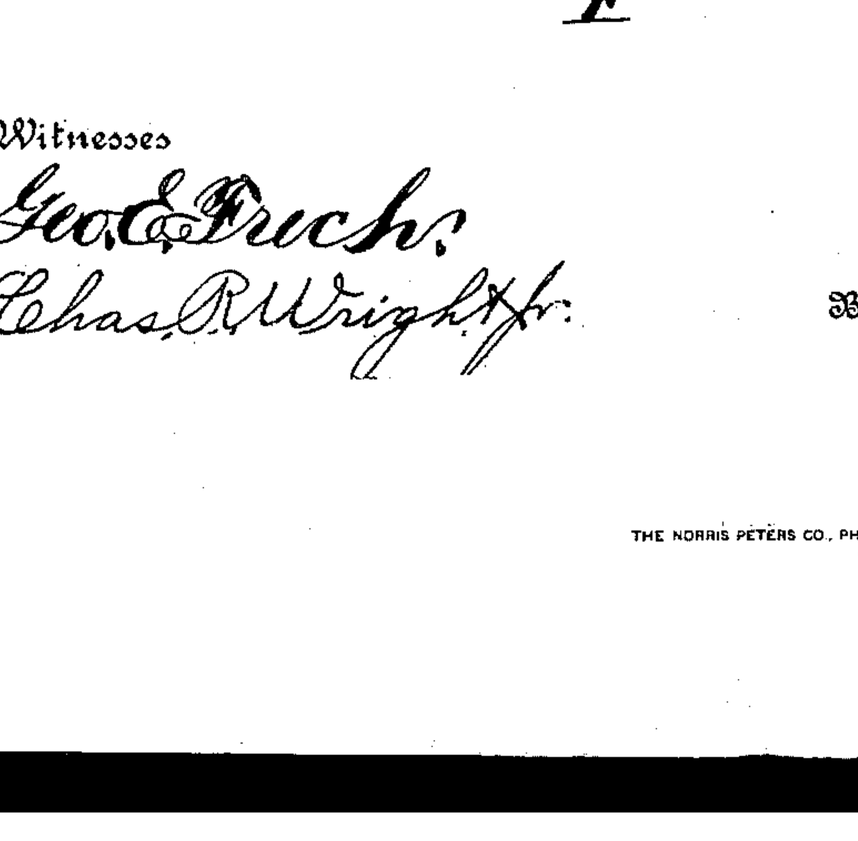
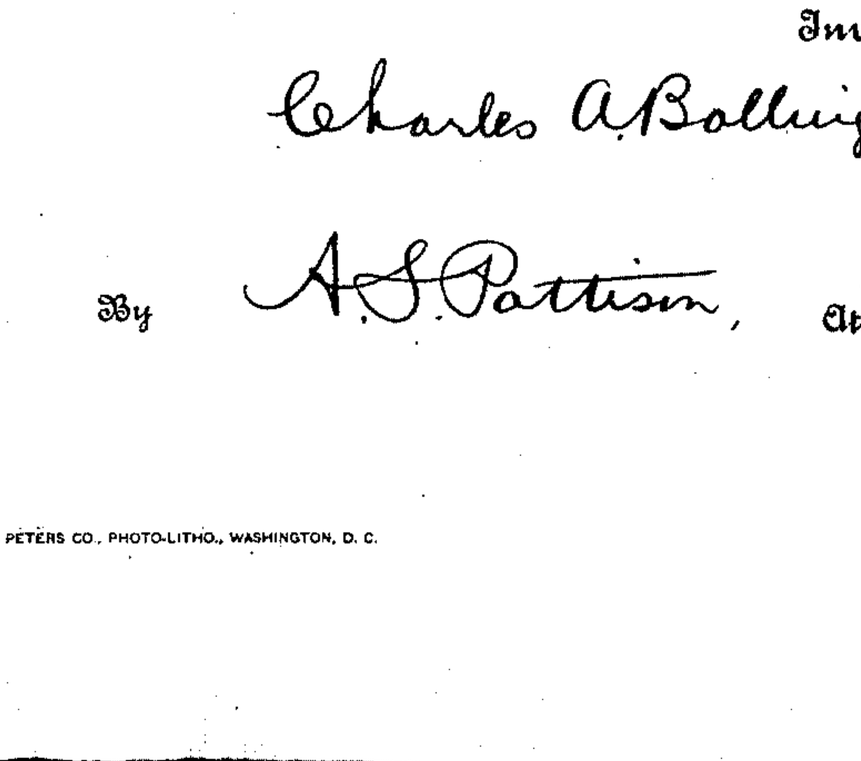


Fig. 6.



Inventor

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Witnesses

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Chas. R. Wright, Jr.

By A. S. Pattison, Attorney

UNITED STATES PATENT OFFICE.

CHARLES A. BOLLINGER, OF PLEASANT VALLEY, NORTH DAKOTA.

PLOW.

SPECIFICATION forming part of Letters Patent No. 679,595, dated July 30, 1901.

Application filed December 22, 1900. Serial No. 40,791. (No model.)

To all whom it may concern:

Be it known that I, CHARLES A. BOLLINGER, a citizen of the United States, residing at Pleasant Valley, in the county of Rolette and State of North Dakota, have invented new and useful Improvements in Plows, of which the following is a specification.

My invention relates to improvements in plows, and pertains more particularly to that class of plows having a detachable landside.

One object of my invention is to provide a plow in which the landside and the footpiece are made in separate pieces and detachably secured together, so that either a new foot or a new landside may be inserted, as desired.

Another object of my invention is to provide a simple, cheap, and durable landside and foot which can be readily attached to a plow provided with the ordinary moldboard and share.

Another object of my invention is to provide a footpiece which will prevent the lower horizontal face of the rearwardly-extending supporting-bar and the landside from wearing, whereby either a new foot or landside may be attached and still have a smooth unbroken horizontal lower face.

In the accompanying drawings, Figure 1 is a side view of my device. Fig. 2 is an end view. Fig. 3 is a bottom plan view. Fig. 4 is a cross-sectional view taken on line 3 3 of Fig. 3. Fig. 5 is a longitudinal sectional view taken on line 2 2 of Fig. 1. Fig. 6 is a detached perspective view of the supporting-plate.

Referring now to the drawings, A represents the ordinary moldboard, attached to the plowshare B in any desired manner, said plowshare being of the ordinary type, with the long rearwardly-extending portion *a* adjacent the moldboard and the short rearwardly-extending portion *b*. An enlarged curved plate C, adapted to fit the curvature of the moldboard and plowshare, is secured thereto by means of bolts or rivets *c*, one being on either side of the joint between the moldboard and the share, or, in other words, one bolt passing through the share and the other through the moldboard, whereby it serves as means for securely holding the two parts together, the said plate having at its forward end a rearwardly-extending vertically-arranged supporting plate or bar D, the outer face being on a line with the inner face of the short rearwardly-extending portion *b* of the share, said plate D having two or more bolt-openings therein for the purpose of securing the foot and the landside. A foot E is arranged adjacent the said plate and of the same length and also having openings to register with the openings in the plate. The lower face of said foot is provided on both sides with laterally-extending flanges *e* and *f*, the inner flange *e* being of a width equal to the thickness of the vertically-arranged supporting-plate D, so that the lower face thereof will not come in contact with the ground. The outer flange *f* is not so wide as the inner one, and the combined width of the flange and the vertical portion of the foot is just equal to the width of the short portion *b* of the share, so that the outer edge of the flange *f* will be flush with the outer face of the short portion of the share. A thin landside F rests on the flange *f* of the foot and is of a thickness equal to the said flange, so that the outer face thereof will be flush with the outer face of the short portion of the share, thereby forming a flat unbroken vertical surface. The said landside is provided with bolt-openings registering with the openings in the foot, and bolts G pass therethrough and are securely clamped to the rearwardly-extending plate D by means of nuts *g*.

By the above construction it will be readily seen that by having the footpiece with the laterally-arranged flanges at its lower portion and the securing-plate and the landside resting thereon prevents the lower face from being worn. If such were not the case, when a new foot was inserted it would extend down below the plate D and the landside, while if a new landside was added without a new foot it would extend below the foot; but as now arranged there is always a flat even lower running surface and unbroken walls on either side.

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

1. A landside-plow comprising a share, a moldboard, a rearwardly-extending plate secured to said share and moldboard, a landside,

and a T-shaped foot having the vertical portion extending between the landside and said plate, substantially as described.

2. A landside-plow comprising a share, a moldboard, a vertically-arranged rearwardly-extending plate carried by the share and moldboard, a foot secured to said plate and having a horizontal flange covering the lower edge of said vertical plate, a flange carried by the opposite side of said foot, and a landside resting on said flange, and detachably secured to the foot, substantially as described.

3. A landside-plow comprising a share, a moldboard, a rearwardly-extending vertical plate carried by the board and share and having its outer edge flush with the inner face of the rearwardly-extending portion of the share, a foot adjacent said plate, a flange carried by said foot and extending under the lower wall of said plate, a flange carried by the opposite side of said foot, a landside resting thereon flush with the outer edge, the thickness of the landside and the foot being equal to that of the rearwardly-extending portion of the share, bolts passing through the landside, foot and the plate, and nuts on said bolts, substantially as described.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

CHARLES A. BOLLINGER.

Witnesses:

HENRY THIEN,

F. J. SIMONITSCH.