

G. & J. THOMSON.
LAND SKIMMERS FOR PLOW.

No. 178,978.

Patented June 20, 1876.

Fig. 1.

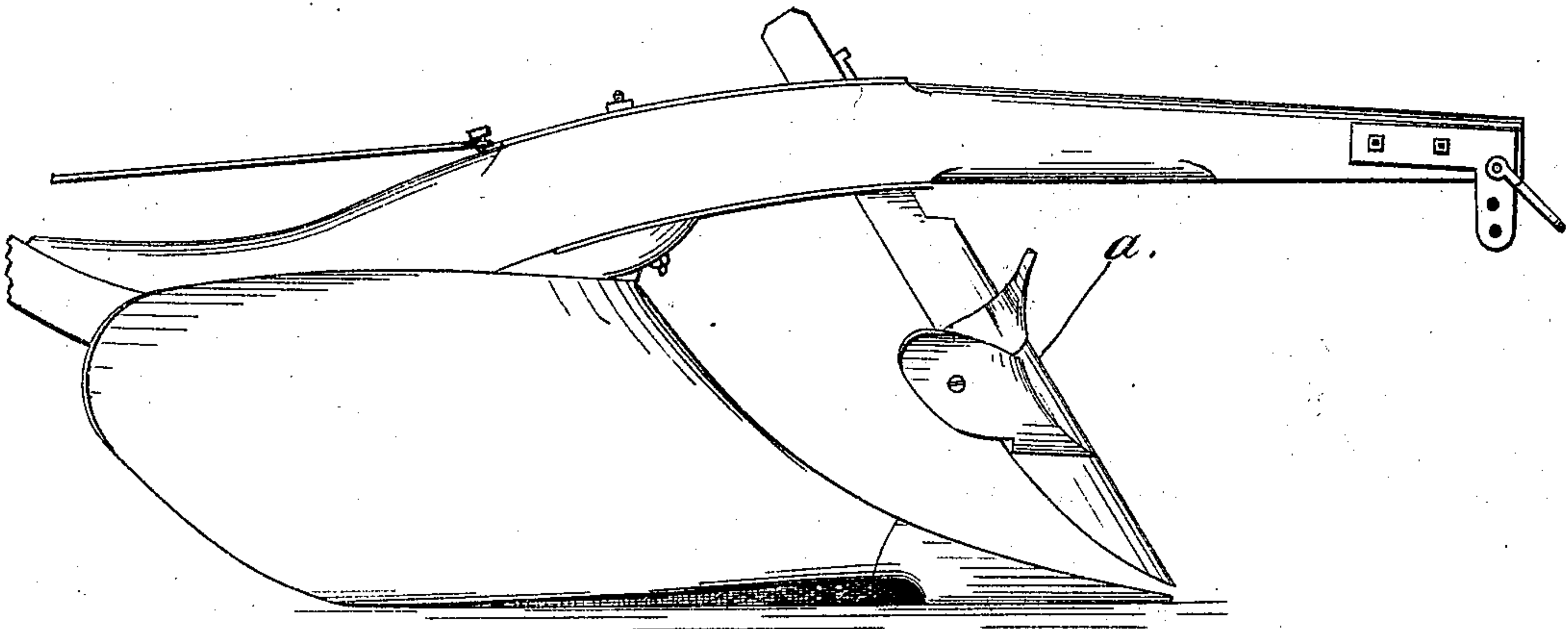


Fig. 2.

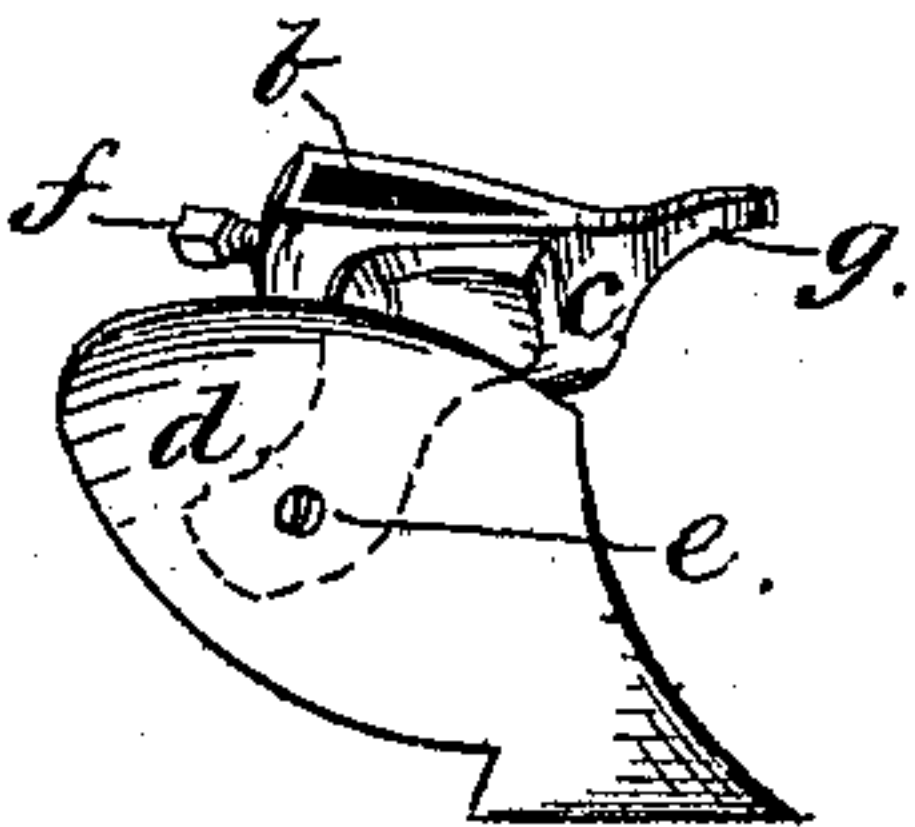


Fig. 3.

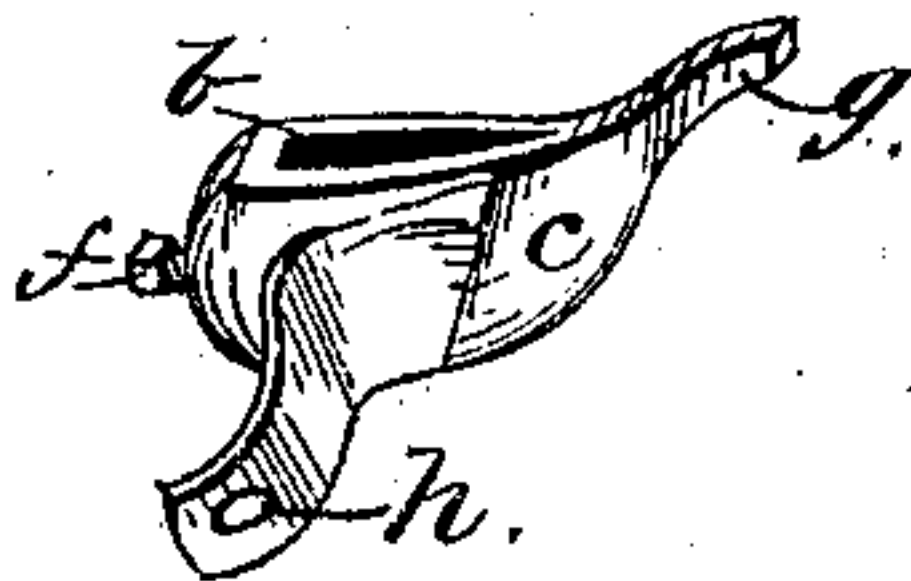
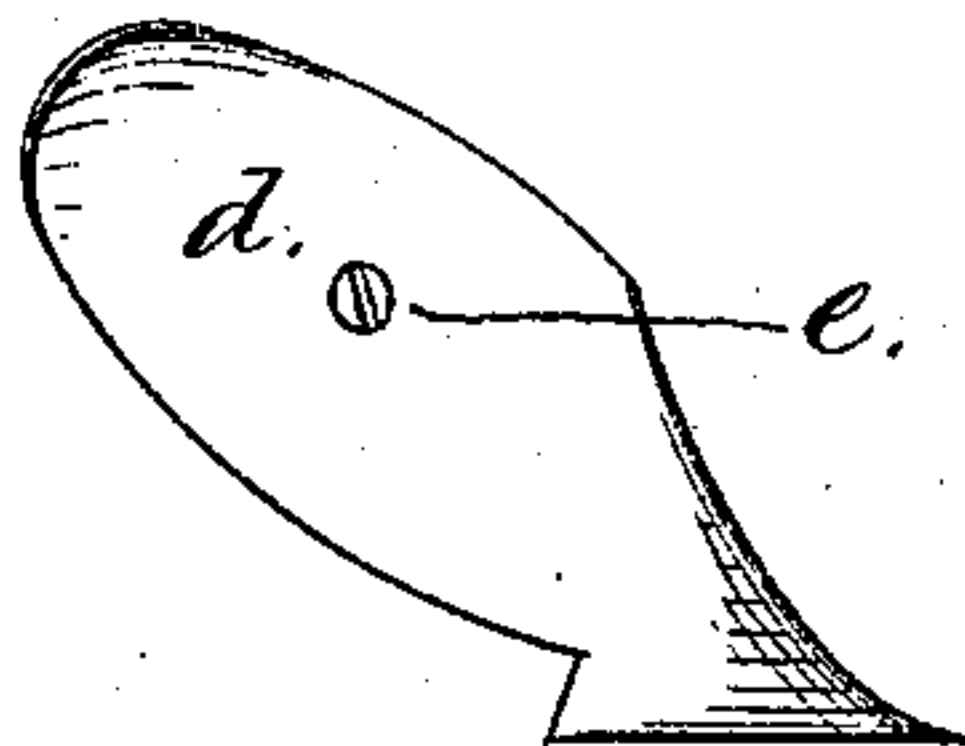


Fig. 4.



Witnesses:

Alex. Noble
W. C. Sheffield

Inventors

George Thomson
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UNITED STATES PATENT OFFICE.

GEORGE THOMSON AND JOHN THOMSON, OF WOODSTOCK, CANADA,
ASSIGNORS OF ONE-THIRD THEIR RIGHT TO JOHN EDWARD THACHER,
OF SAME PLACE.

IMPROVEMENT IN LAND-SKIMMERS FOR PLOWS.

Specification forming part of Letters Patent No. **178,978**, dated June 20, 1876; application filed
April 4, 1876.

To all whom it may concern:

Be it known that we, GEORGE THOMSON, of the town of Woodstock, in the county of Oxford in the Province of Ontario, in the Dominion of Canada, and JOHN THOMSON, of the same place above mentioned, plow manufacturers, have invented a new and useful Improvement in Land-Skimmers, and the attachment thereof to the colter of a plow, which improvement is fully set forth in the following specification, reference being had to the accompanying drawings.

The object of our invention is to form a cheap and ready attachment of a land-skimmer for the colter of a plow, to operate slightly in advance of the mold-board, and in such a manner as to skim the top of the soil of sod, stubble, &c., and to throw it into such a position that it will be entirely covered up by the swath of the furrow.

The first part of this invention relates to a malleable, cast, or wrought iron frame, through which a socket is formed to receive the colter of a plow, and onto which the frame is adjusted and secured by means of a set-screw, the frame being so constructed as to form a horn-shaped blade or anti-choker at the top, preventing the choking of stubble or other material under the beam of the plow, the lower portion of the frame forming a plate to the side of the socket, through which there is an oblong hole or slot, allowing the adjustment of a bolt passing through it, by means of which a combined mold-board and share is securely fastened to the frame.

Figure 1 is a side elevation of a plow with the land-skimmer attached to the colter thereof. Fig. 2 is a plan view of the land-skimmer complete, illustrating it more in detail. Fig. 3 is a plan of the frame detached. Fig. 4 is a

plan of the combined mold-board and share detached.

Letters of reference denote the several parts of the invention, and the means by which they are combined.

a is the colter of a plow. *b* is the socket in the frame *c*, through which the colter *a* passes, and by which means the frame *c* is adjusted and secured thereto by means of the set-screw *f*. *c* is the malleable, cast, or wrought-iron frame, which can be raised or lowered on the colter *a* according to the depth the plow is required to run in the soil. *d* is the combined steel mold-board and share, which is fastened to the frame *c* by means of the screw-bolt *e*. *e* is the screw-bolt above described. *f* is the set-screw, by means of which the frame *c* can be adjusted and secured to the colter *a*. *g* is the anti-choker, combined with, and forming part of, the frame *c*, and so arranged as to prevent stubble or other material from choking the operation of the plow. *h* is the oblong hole or slot in the frame *c*, by means of which the bolt *e* can be so adjusted as to allow the mold-board *d* to fit securely to any part of the side of the colter *a*.

We are aware that land-skimmers attached to the beam, or otherwise combined with the plow, are in general use. We are also aware that these are not new; but

We claim as our invention—

The combination, substantially as specified, of the colter, the land-skimmer, and the anti-choker *g*.

GEORGE THOMSON.
JOHN THOMSON.

Witnesses:

B. E. J. EILS,
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