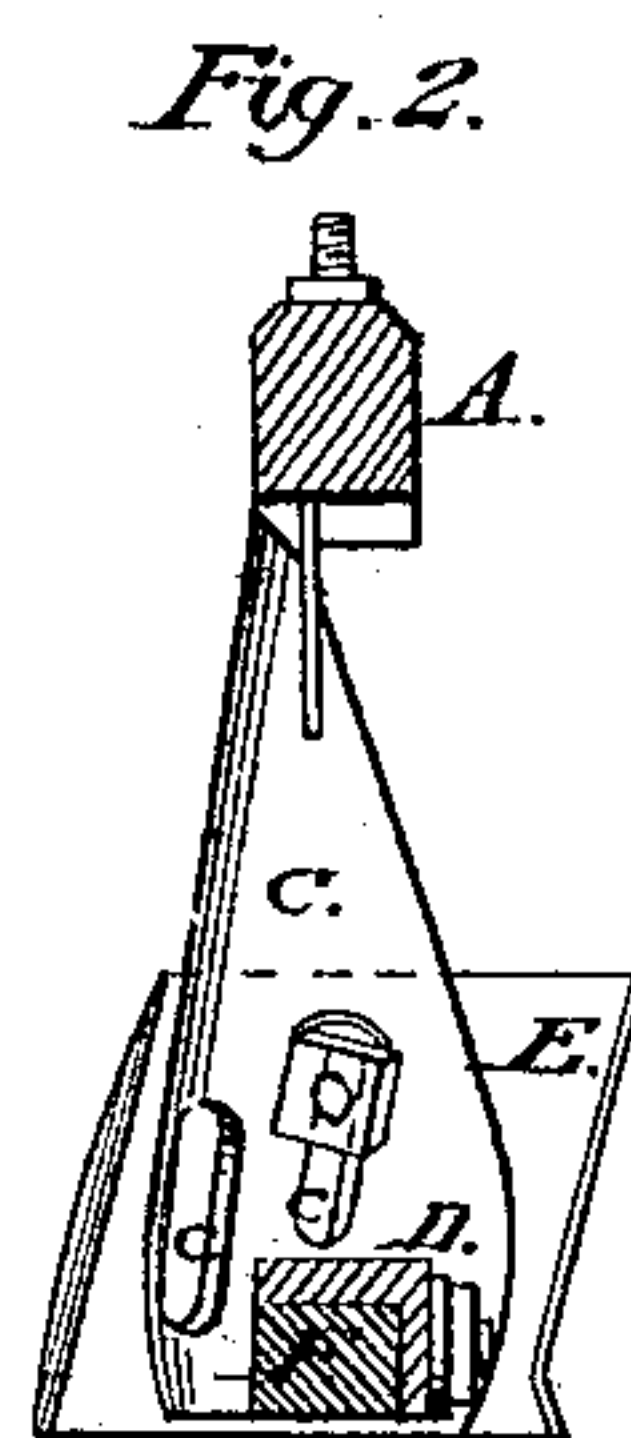
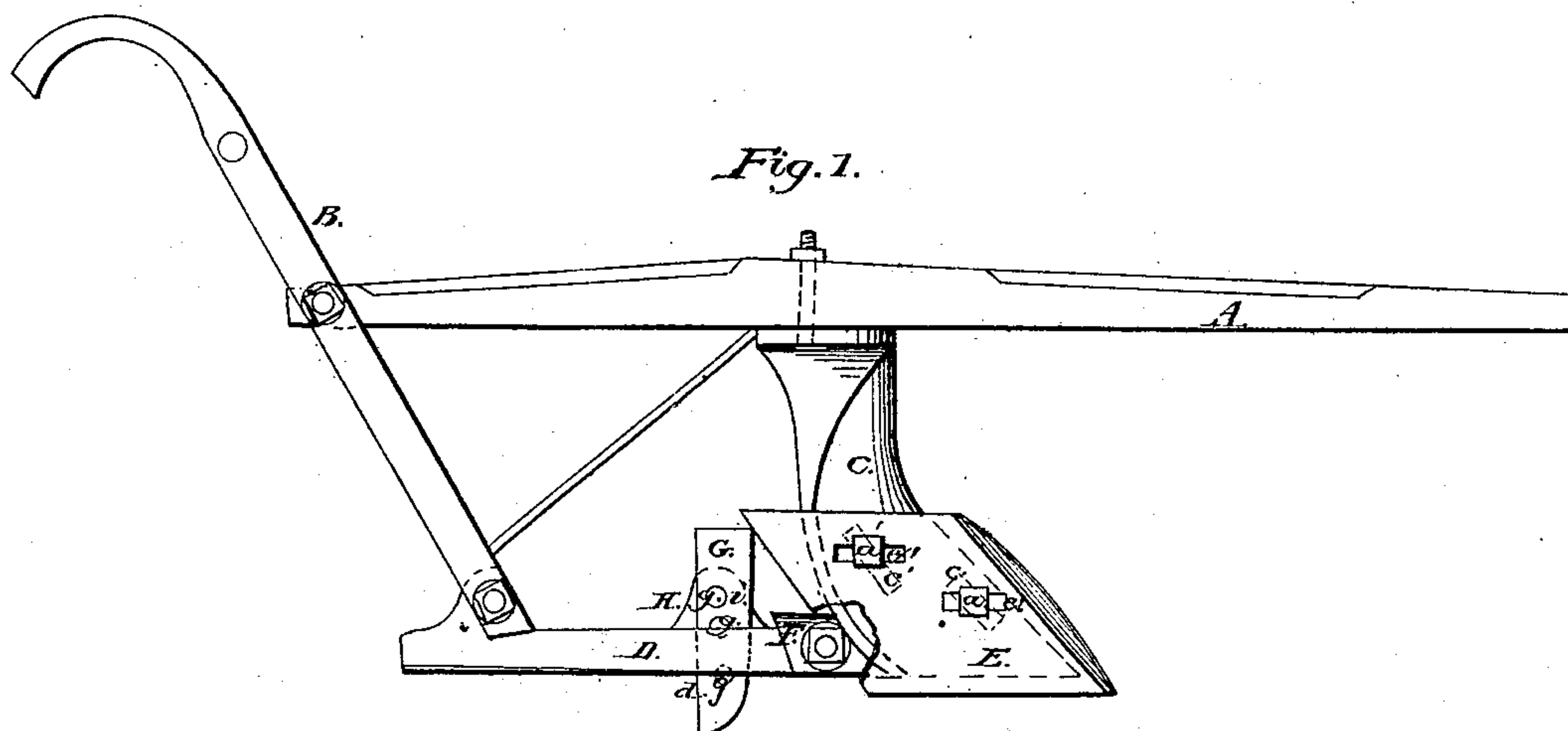


C. BILLUPS.
CORN AND COTTON SCRAPER.

No. 67,252.

Patented July 30, 1867.



Witnesses:
Chas. A. Pettit
N. F. Ellsworth

Inventor:
C. Billups
by Nunn & Co.
Attorneys.

United States Patent Office.

C. BILLUPS, OF NORFOLK, VIRGINIA.

Letters Patent No. 67,252, dated July 30, 1867.

IMPROVEMENT IN CORN AND COTTON-SCRAPER.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, C. BILLUPS, of the city and county of Norfolk, and State of Virginia, have invented a new and improved Corn and Cotton-Scraper; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification, and in which—

Figure 1 is a side elevation of my invention.

Figure 2 is a view of the standard and scraper-board from the rear.

Similar letters of reference indicate corresponding parts in the two figures.

In this invention the land-side is provided with a vertical coulter, and is made detachable, and a new device is used for attaching and adjusting the scraper to the standard.

In order that others skilled in the art to which my invention appertains may be enabled to make and use the same, I will proceed to describe it in detail.

In the drawings, A represents the draw-beam, and B the handles of a cotton-plough, of which C is the standard, D the land-side, and E a removable and adjustable mould-board. The land-side is attached at its forward extremity to a projection, F, extending back from the bottom of the standard, by making a longitudinal rebate on one side of the projection, and fitting the end of the land-side into it, and bolting, screwing, or otherwise fastening the two together in that position, in such a manner that they can be easily detached. The standard C is provided with two nearly vertical slots *c c'*, through which set-screws *a a'* operate, confining the mould-board firmly to the standard. The mould-board E is also provided with two horizontal slots *e e'*, at such a distance apart that the set-screws *a a'* can pass through them. By means of the vertical slots *c c'* the mould-board can be raised or depressed vertically at pleasure, and by means of the horizontal slots *e e'* it can be adjusted laterally. The land-side D has a vertical and longitudinal slot, *d*, through which passes vertically a centre-board or pivot-coulter, G. The latter may be made in the form shown in the drawings, or in any other form that will answer the purpose as well. Its forward and under edges are sharp, so as readily to cut through the soil. Cast to the land-side, and rising above on one side of the slot D, is an ear or jaw H. The coulter G is adjustable vertically by means of a series of holes, *g g g*; it passes through the slot D and is securely fastened to the ear H by means of the bolt. One ear like H may be cast on either side of slot D, if necessary, for greater strength to the land-side, or for more firmly holding the centre-board or coulter.

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

1. The standard C.
2. The slots C C, when used for the purpose specified.
3. The mould-board E, having two horizontal slots E E for the purpose specified.
4. The detachable land-side and the method of attaching it as described.
5. The centre-board or pivot-cutter C working in connection with the land-side, substantially as and for the purposes described.
6. The slot *d*, through which the centre-board or pivot-coulter passes, and the mode of securing and fastening the same.

Claims 5 and 6 as applied to all ploughs.

C. BILLUPS.

Witnesses:

JOS. G. SPRUILL,

WILLIAM R. SUMMERS.