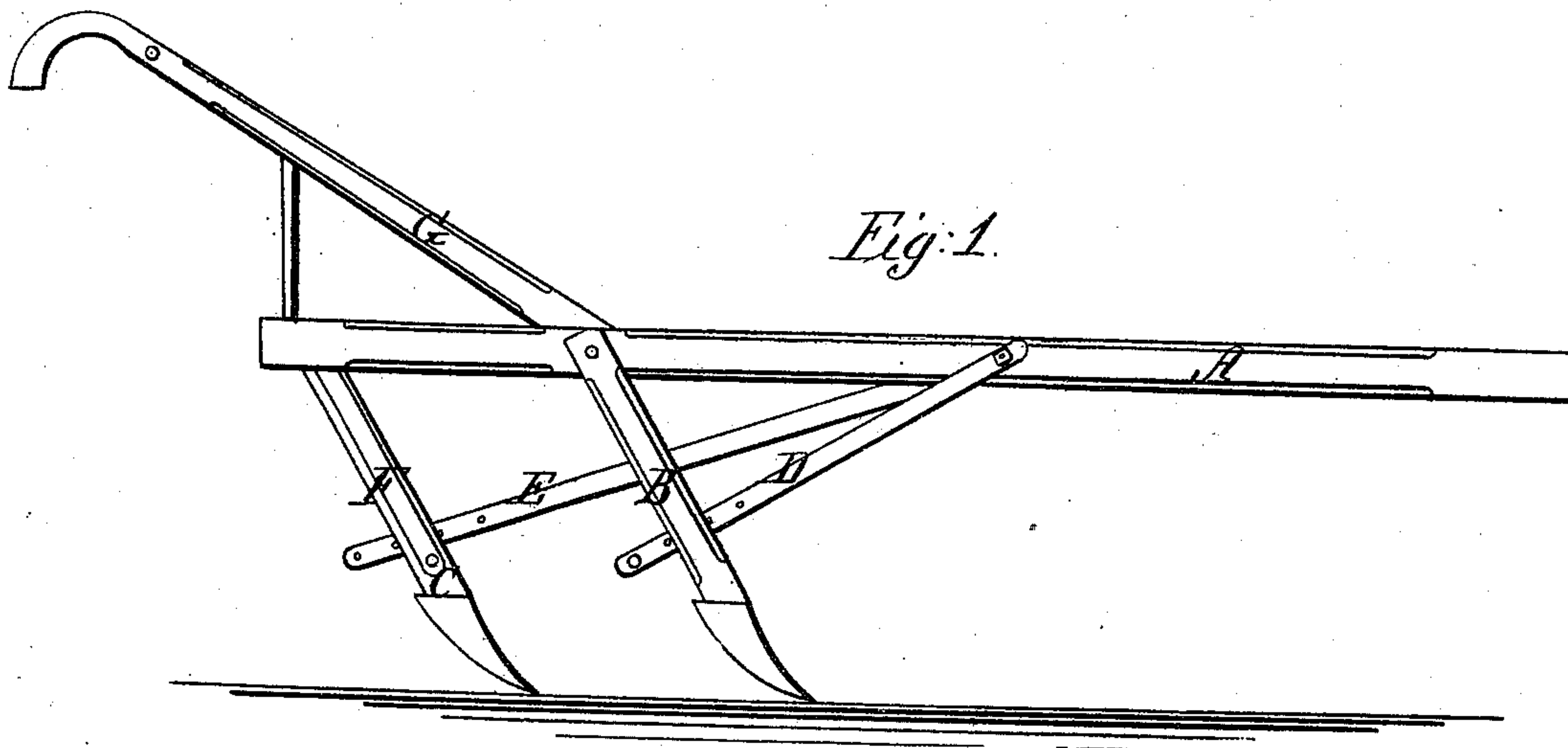


*J. W. Nicholson.*

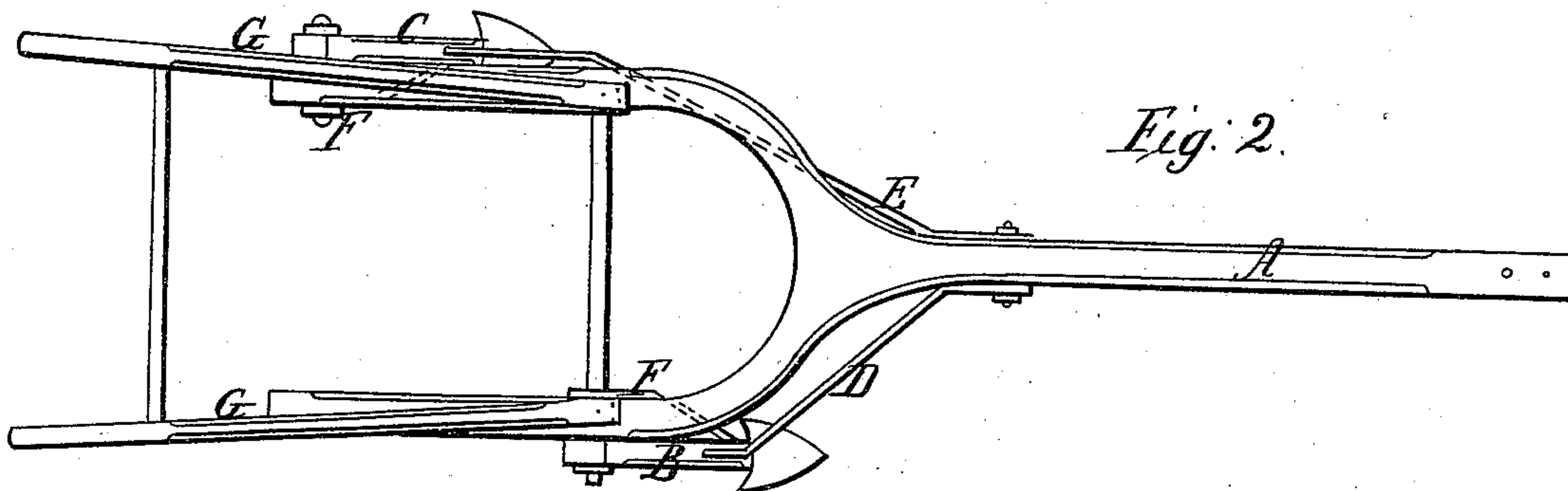
*Shovel Plow.*

*N<sup>o</sup> 86,577.*

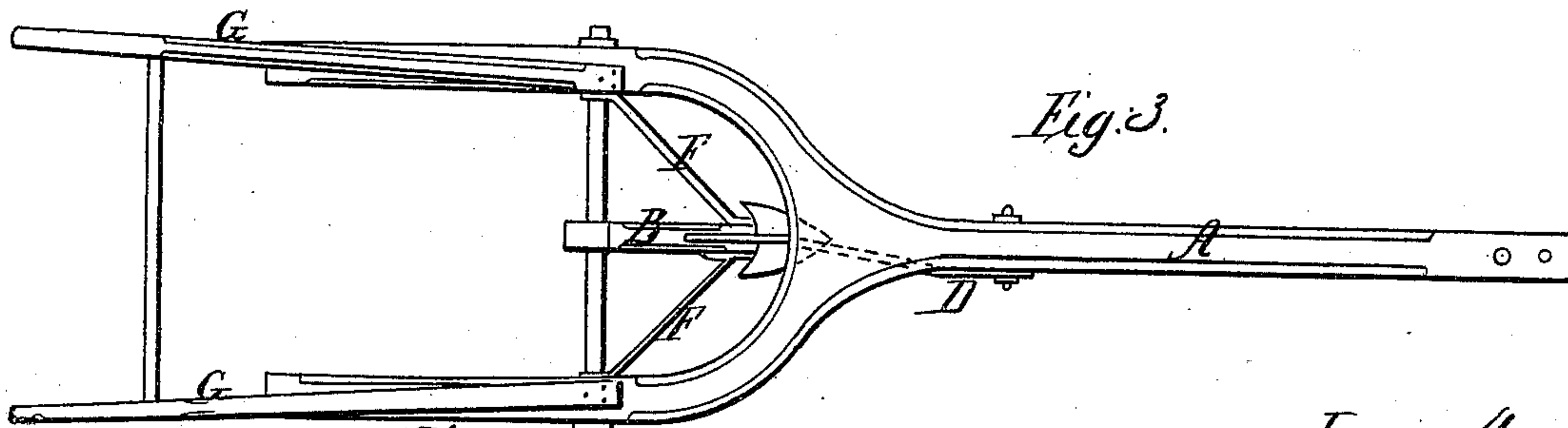
*Patented Feb. 2, 1869.*



*Fig. 1.*



*Fig. 2.*



*Fig. 3.*

*Witnesses;  
O. F. Mayhew  
Wm. H. Weeks*

*Inventor;  
James W. Nicholson.*



JAMES W. NICHOLSON, OF INDIANAPOLIS, INDIANA.

*Letters Patent No. 86,577, dated February 2, 1869.*

**IMPROVEMENT IN COMBINED SINGLE AND DOUBLE-SHOVEL PLOW.**

*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, JAMES W. NICHOLSON, of Indianapolis, in the county of Marion, and State of Indiana, have invented new and useful Improvements in Combined Double and Single-Shovel Plows; and I do hereby declare that the following is a full, clear, and exact description thereof, that will enable skilled artisans to make and use the same, reference being had to the accompanying drawing, and to the letters of reference marked thereon, making part of this specification.

This invention relates to construction and arrangement of the several parts of which the plow is composed, and by which it is adapted to be readily and conveniently converted into either a double or single-shovel plow, thereby providing both implements at a trifling additional cost over that of a single implement for either purpose.

Figure 1 is a side elevation of the plow.

Figure 2 is a top or plan view of the same, showing it arranged as a double-shovel plow.

Figure 3 is a top or plan view of the implement arranged as a single-shovel plow.

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

A is the plow-beam;  
B and C, the shovel-stocks;  
D, E, and F, brace-rods; and  
G, the handles.

The beam A is forked at its rear end, as shown, being both a convenient form for attaching the handles, and adaptable to the purpose of converting the plow into either a double or single-shovel plow, as hereafter described.

For a double-shovel plow, the stocks B and C are attached to the forks of the beam A, in the position shown, and are braced by the rods D and E, the latter being attached by their forward ends to the beam, and their rear ends passing through mortises in the stocks.

The stocks B C are hung to the forks of the beam by pivot-bolts, and the rear ends of the brace-rods D E are pierced with holes arranged to receive pins, both before and behind the stocks, so as to hold them in position, and so that they may be readily adjusted to any desired angle, and thus graduate the depth to which they will enter the ground.

The pin in the rear of the stock is of wood, so that it may break, in the event that the shovels run against some rigid obstruction, and allow the stock to turn back and pass over it.

To convert the implement into a single-shovel plow, the stocks B and C and braces D E are taken off, and one of the stocks changed to the position shown in red lines, in fig. 2, being hung on the same rod as stock B, and braced with the same brace, D, that braces stock B, the brace being turned over to adapt it to the new position.

The forks of the beam A and the form of the brace D are arranged, so that when one of the stocks B or C is placed in the centre, as shown in fig. 3, the brace D is adapted to the new position of the stock by simply turning it over.

When one of the stocks is used as a single shovel, it is braced with side-braces F, as shown in fig. 3.

These braces are also adapted to brace the stocks B and C, when used as double shovels, as shown attached to C, fig. 1.

This plow may also be readily converted into a three-shovel plow, by adding another stock to the rear end of the fork, opposite the stock C, and bracing it with a brace like E, letting the centre and forward plow be as represented in fig. 3.

It will be seen from the construction and arrangement of the several parts composing this plow, that the only extra pieces required to convert it from a single to a double-shovel plow, are the stock C and brace E, thus, at comparatively small expense, supplying both implements in a manner perfectly adapted to the requirements of either.

Having thus fully described my invention,

What I claim as new, and desire to secure by Letters Patent, is—

The convertible double or single-shovel plow, having the several parts of which it is composed constructed and arranged substantially in the manner and for the purpose herein set forth.

JAMES W. NICHOLSON.

Witnesses:

O. F. MAYHEW,  
WM. H. WEEKS.