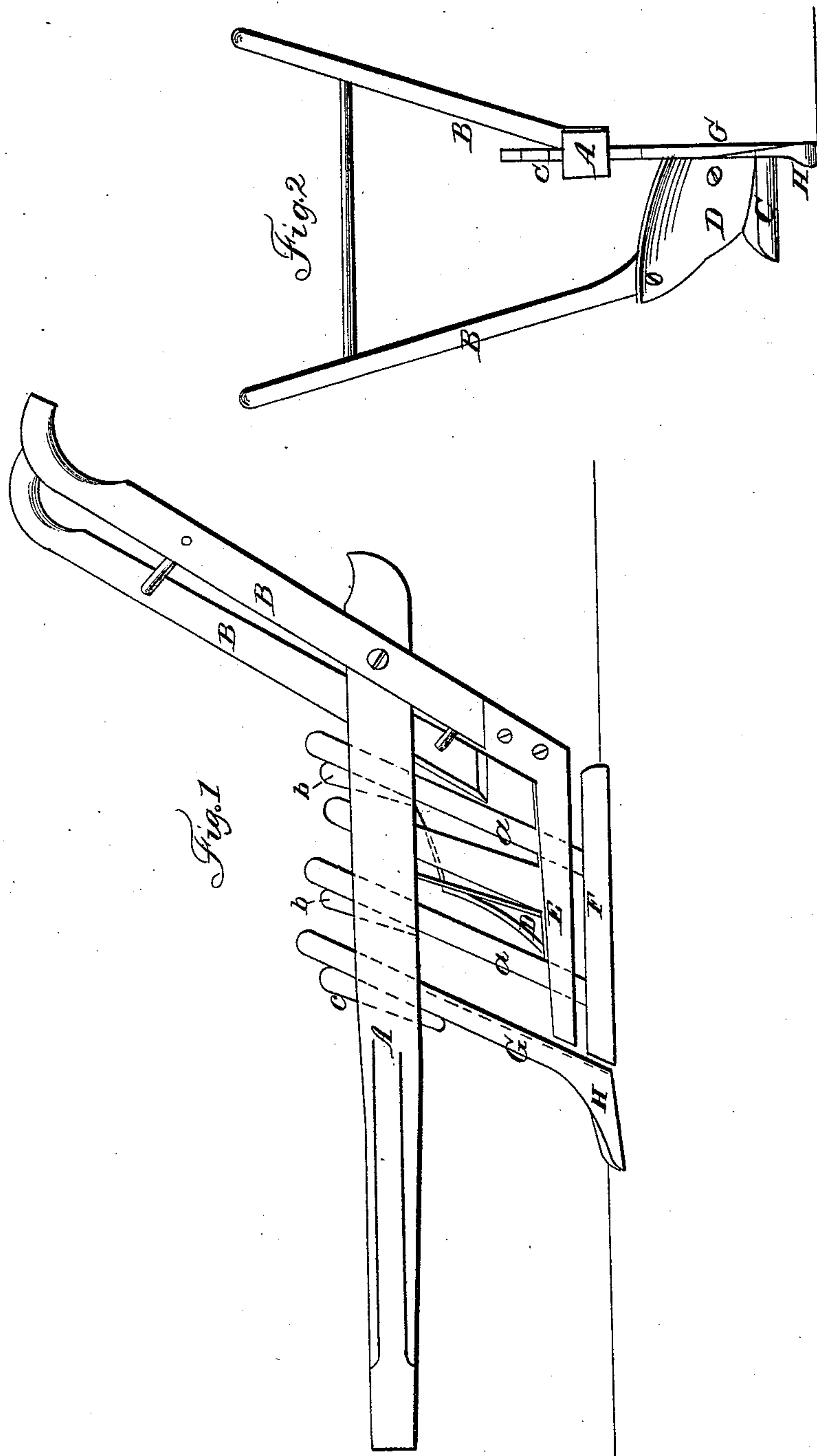


A. DICKSON.

Plow.

No. 20,633.

Patented June 22, 1858.



# UNITED STATES PATENT OFFICE.

A. DICKSON, OF HILLSBOROUGH, NORTH CAROLINA.

## IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. **20,633**, dated June 22, 1858.

*To all whom it may concern:*

Be it known that I, ALEXANDER DICKSON, of Hillsborough, in the county of Orange and State of North Carolina, have invented a new and useful Improvement in Plows; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a side view of my improvement. Fig. 2 is a front view of the same.

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

The object of this invention is to render an ordinary surface-plow available, when necessary, as a subsoil-plow.

The invention consists in the employment or use of a supplemental landside and a colter attached to the plow and arranged as herein-after fully shown and described, whereby the above object is attained.

To enable those skilled in the art to fully understand and construct my invention, I will proceed to describe it.

A represents the beam, B B the handles, C the share, D the mold-board, and E the landside, of an ordinary surface-plow.

F is a supplemental landside, which has two upright bars, *a a*, attached. These bars pass through the beam A, and are secured in proper position by keys *b b*, the landside F being at the required distance below the bottom of the plow or the landside E.

G is a colter, the upper part of which passes through the beam A, and is secured therein by a key, *c*. The lower end of the colter has a share, H, formed on it, and a groove is made in the back edge of the colter, so that the front end of the supplemental landside F may fit therein. The share or lower end of the colter G is about on a line with the landside F, and the colter and landside, when adjusted below the upper landside, E, as shown in Fig. 2, form a subsoil-plow.

The supplemental landside F may be detached at any time, as also the colter G, and the implement may be used as an ordinary surface-plow.

The beam and handles may be constructed of wood, as usual, and the share C, mold-board D, and landside E, as well as the colter G and supplemental landside F, are of metal.

This implement may be quite cheaply constructed, and it will work either in the capacity of a surface or subsoil plow equally as well as plows made for either specialty.

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

The supplemental landside F and colter G, arranged and applied to the plow as shown, and for the purpose set forth.

ALEXR. DICKSON.

Witnesses:

C. E. PARISH,  
JOHN B. PAUL.