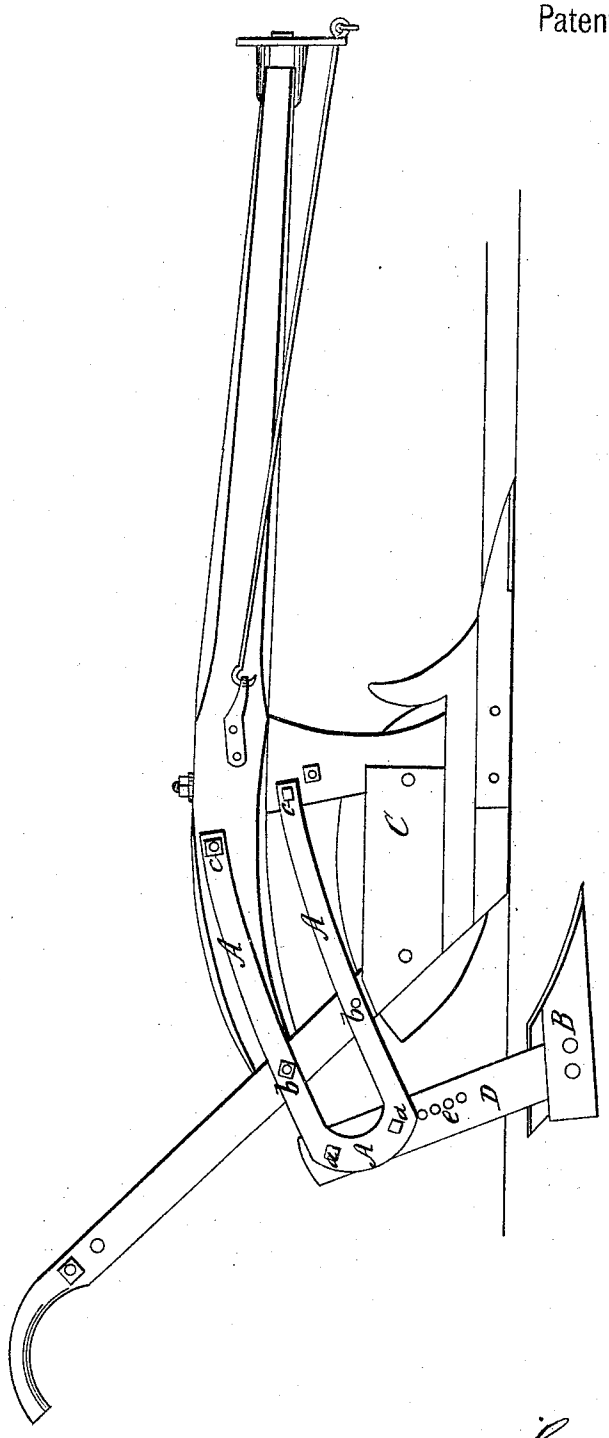
G. W. N. YOST.

Subsoil Plow.

No. 40,003.

Patented Sept. 15, 1863.



Witnesses:

D. M. Mufford

John G. Baker.

Inventor:

Geo W. N. Yost.

per Attys.

Clayton and Son.

AN. PHOTO-LITHO. CO. N.Y. (OSBORNE'S PROCESS.)

UNITED STATES PATENT OFFICE.

G. W. N. YOST, OF NASHVILLE, TENNESSEE, ASSIGNOR TO HIMSELF AND WILLIAM DILWORTH, JR.

IMPROVEMENT IN SUBSOIL-PLOWS.

Specification forming part of Letters Patent No. **40,003**, dated September 15, 1863.

To all whom it may concern:

Be it known that I, GEO. W. N. YOST, of Nashville, in the State of Tennessee, have invented certain new and useful Improvements in the Mode of Combining Subsoil and Furrow Plows; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawing, and to the letters of reference marked thereon.

To enable those skilled in the art to make and use my invention, I will describe its construction and operation.

I do not now desire to claim any peculiar novelty in the construction of either the subsoil or furrow plows.

A is the U-shaped holder, which is made of any suitable material, but is best made of bar-iron bent in U shape and strengthened by swaging at the bolt-holes; or it may be made of either cast iron or steel. It is attached to the beam or body of the implement and to the furrow-plow by means of the screw-bolts *c*, and to the plow-handle by screw-bolts *b*. These four points of attachment firmly secure the holder to the landside of the plow-beam. The rear end of holder is depressed, and is in continuation of the curve of the rear end of the plow-beam, so as to require as short a standard as possible for the subsoil-plow.

The standard D of the subsoil-plow B is secured to the inner side of the holder A by screw-bolts *a*, so that the landsides of both subsoil and furrow plows shall be in the same line. The standard D has holes *e* in it for reception of bolts *a*, so that the subsoil-plow may be regulated to any desired depth below the furrow-plow.

When desired the subsoil-plow may be entirely detached from the holder A simply by removal of bolts *a*, and the furrow-plow be used alone. By the depression and construction of my holder it is brought so near to the subsoil-plow itself as to overcome the disadvantage of having to use a long standard. By my invention a subsoil can be attached to almost any ordinary furrow-plow.

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

The U-shaped holder A, constructed and operating substantially as herein set forth, for the purpose of combining a subsoil-plow, B, with a furrow-plow, C.

G. W. N. YOST.

Witnesses:
D. B. TAYLOR,
H. F. HATCH.