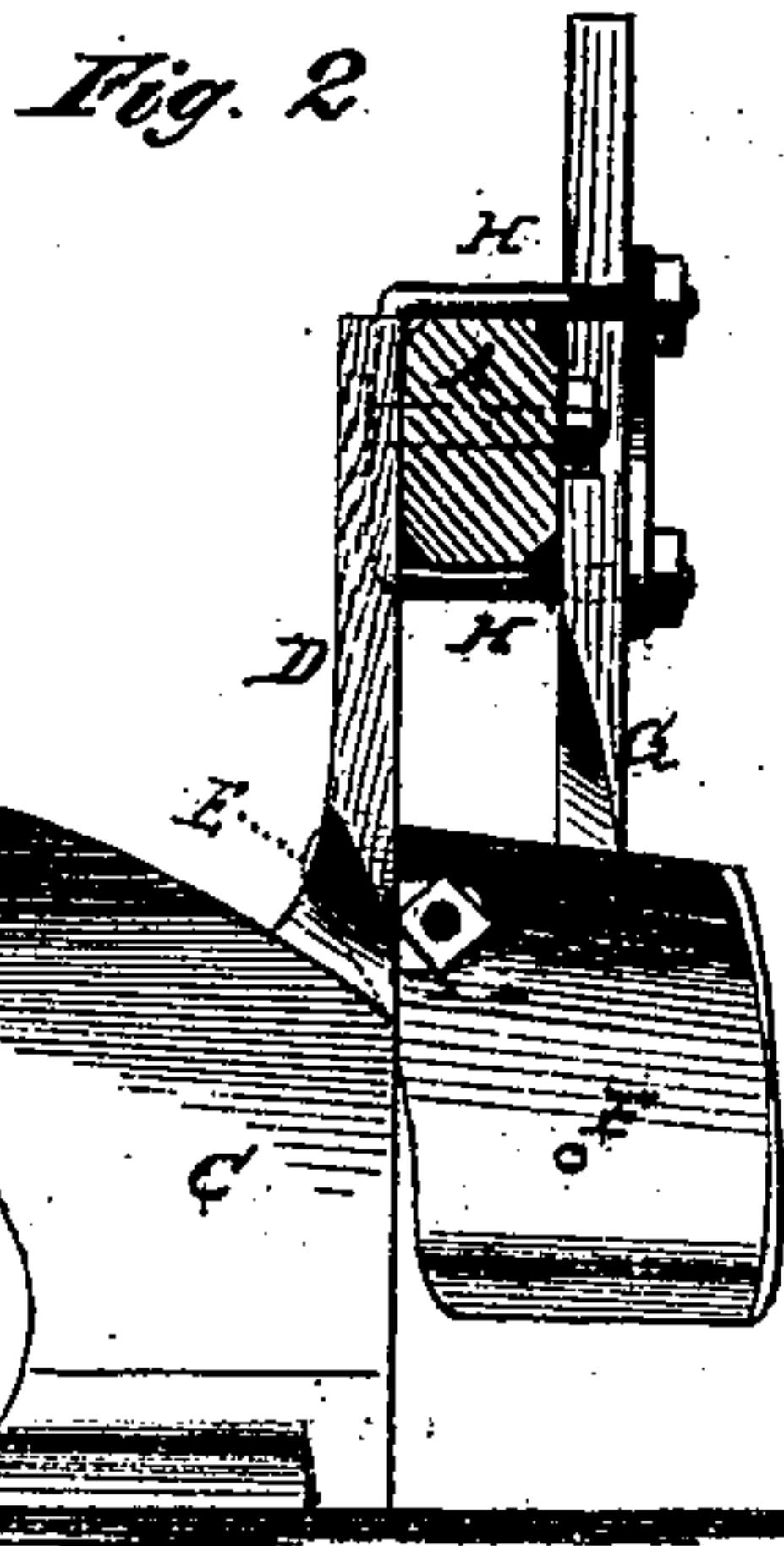
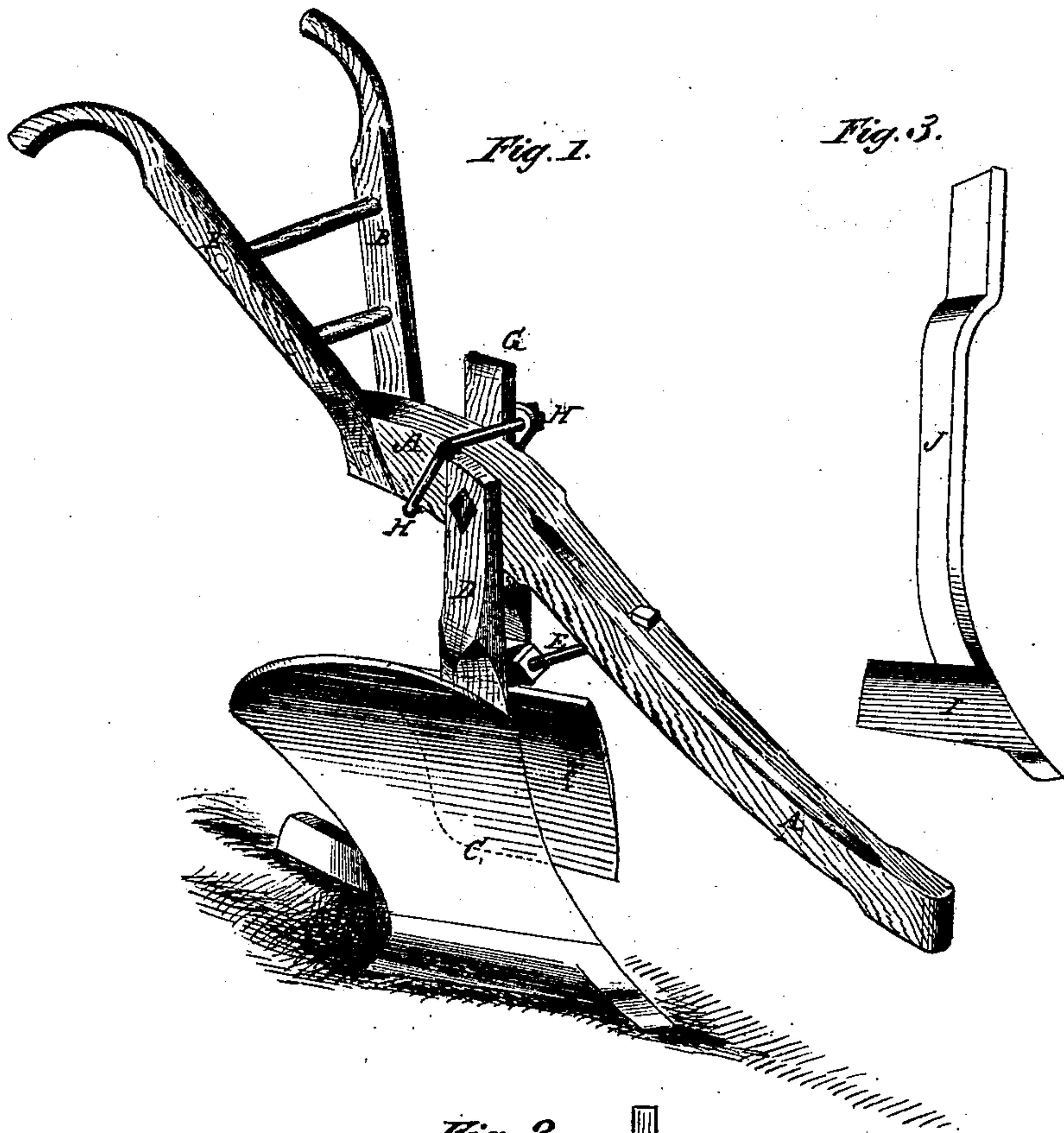


J. Reynolds,
Subsoil Plow.
No. 100,188. *Patented Feb. 22. 1870.*



Witnesses:
Gustave Dietrich
Wm. H. Brooks

Inventor:
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UNITED STATES PATENT OFFICE.

J. REYNOLDS, OF CRYSTAL SPRINGS, MISSISSIPPI.

IMPROVEMENT IN SUBSOIL-PLOWS AND SCRAPERS COMBINED.

Specification forming part of Letters Patent No. 100,188, dated February 22, 1870.

To all whom it may concern:

Be it known that I, J. REYNOLDS, of Crystal Springs, in the county of Copiah and State of Mississippi, have invented a new and useful Improvement in a Combined, Plow, Scraper and Subsoiler; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

Figure 1 is a perspective view of my improved plow arranged as a cotton-scraper. Fig. 2 is a front view of the same, the beam being cut off. Fig. 3 is a detail view of the subsoil-plow and standard.

Similar letters of reference indicate corresponding parts.

My invention has for its object to furnish an improved plow which may be used as an ordinary plow, as a plow and cotton-scraper, or as a plow and subsoiler, as may be desired or convenient, and which shall at the same time be simple in construction and readily adjusted for use in either capacity; and it consists in the construction and combination of the various parts, as hereinafter more fully described.

A is the beam, to the rear end of which the handles B are attached.

C is the plow, which is made and secured to the standard D in the ordinary manner, except that the landside or frame is extended back a little farther than usual. The standard D is attached to the off side of the plow-beam A, as shown in Figs. 1 and 2, and the draft-strain upon it is sustained by the brace-rod E, the upper end of which is secured to the beam A, and the lower end of which is adjustably secured to an eye formed upon the land side of the standard D by two nuts placed one upon each side of said eye, so that by adjusting the length of the said brace-rod E the pitch of the plow may be adjusted as desired. By this manner of attaching the plow to the beam,

space is obtained for the scraper, so that it may work free and at the same time be close up to the plow. This result has heretofore been sought in vain by placing the scraper in different positions without changing the ordinary manner of attaching the plow to the beam.

F is the scraper, which is secured to the standard G by two bolts, the upper one of which passes through a slot, so that the point of the scraper may be raised and lowered as desired. The upper end of the standard G is secured to the beam A by a yoke or band, H, passing around said beam and standard, as shown in Figs 1 and 2. This construction allows the scraper to be conveniently raised and lowered, as may be desired.

I is the subsoil-plow, which is securely attached to the lower end of the standard J, the upper end of which is secured to the beam A by the yoke H in the same manner as the standard G of the scraper F, except that the scraper-standard G is placed upon the land side of the beam A and the subsoil-standard J upon the other or off side of said beam. This manner of attaching the standard J enables the subsoil-plow to be conveniently raised and lowered to adjust it to run at a less or greater depth in the ground, as may be desired.

The greater length of the landside or frame of the plow C gives greater steadiness to the plow and keeps the scraper from running into and out of the ground, enabling the machine to do better work.

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

The combination of the scraper F and standard G with the beam A and plow D C, substantially as herein shown and described, and for the purpose set forth.

J. REYNOLDS:

Witnesses:

TIM. E. COOPER,
R. D. OSBURN.