

J. L. SCARBROUGH.
COMBINED PLOW AND HARROW.

No. 176,072.

Patented April 11, 1876

Fig. 1.

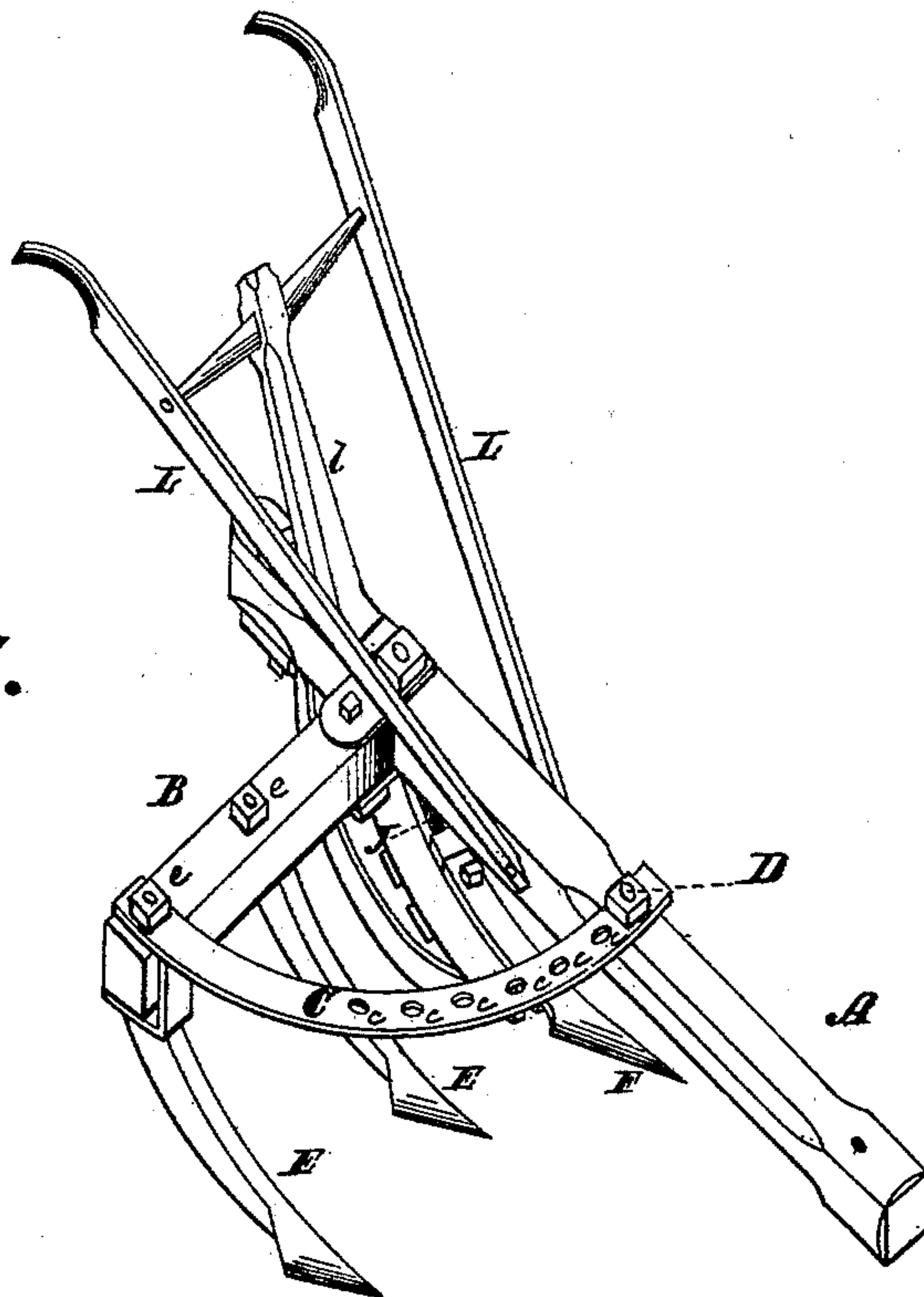
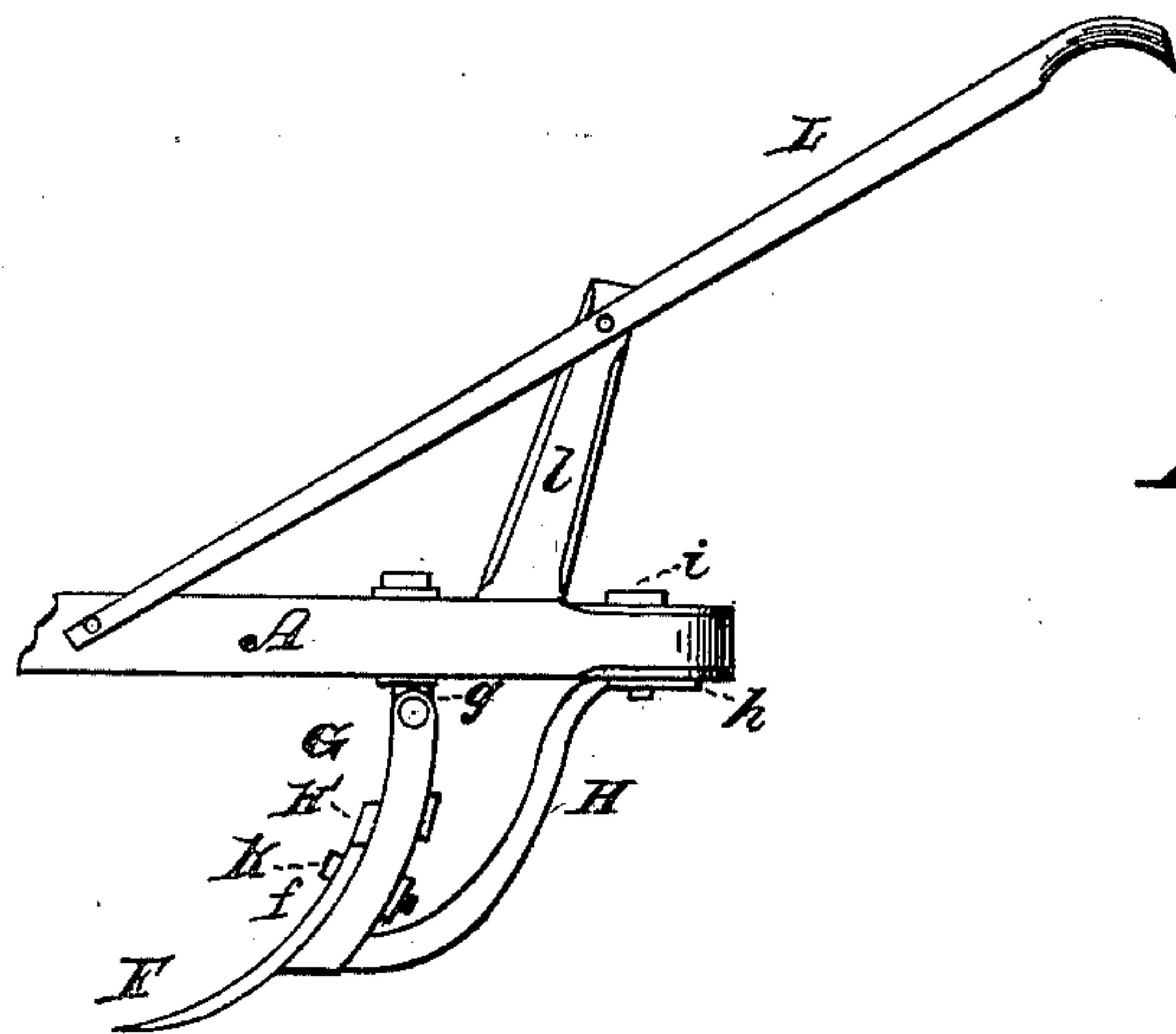


Fig. 2.



WITNESSES=

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IMPROVEMENT IN COMBINED PLOWS AND HARROWS.

Specification forming part of Letters Patent No. **176,072**, dated April 11, 1876; application filed December 13, 1875.

To all whom it may concern:

Be it known that I, JOHN L. SCARBROUGH, a resident of Fayetteville, in the county of Talladega and State of Alabama, have invented certain new and useful Improvements in Combinations of Plows and Expanding Harrows; 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 which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention consists in an improved combination of a plow and expanding harrow, all of which will be hereinafter particularly explained, with reference to the accompanying drawing, in which—

Figure 1 is a perspective view of my invention, and Fig. 2 is a detail view of the devices for adjusting the plow-point.

A is the plow-beam. B is a supplemental beam, hinged at one side and near the rear end of beam A. To the outer end of the hinged beam B is attached one end of a metallic arc, C. From the other end of this arc a series of holes, *c c c*, extends half the length thereof, more or less. D is a bolt, passing through beam A in the path of arc C, through either hole *c c c* of which said bolt is secured, according to the desired adjustment of hinged beam B, which may be arranged at angle with beam A. E E are curved harrow-teeth, the reduced upper ends or shanks of which are screw-threaded and extend through hinged beam B, where they are secured by nuts *e e*, and are capable of adjustment parallel to point F. G is a plow-standard, hinged to an eye-bolt, *g*, which passes through beam A. From the foot of this standard an arm, H, curves backward and upward, terminating in a slotted head, *h*, against the under side of beam A.

Through the longitudinal slot in head *h*, and also through beam A, passes a bolt, *i*. The standard G has a slot, J, extending from near its foot to near its top. Through this slot J a bolt, K, passes, and also through shank *f* of plow-point F. Above bolt K another bolt, K', having a large square head directly above the shank *f*, also passes. L L are the plow-handles, and *l* is an upright, which supports them.

By means of the curved arm H, slotted head *h*, and bolt *i*, the standard G can be adjusted and secured in a more or less vertical position, and the depth of penetration of plow-point F thus regulated. By loosening bolt K the point F may be raised or lowered, and in any position in which said point is secured by bolt K. The head of bolt K' is then brought directly against the top of shank *f*, and there firmly secured to serve as a brace against upward strain on the plow-point. The manner of expanding or contracting is obvious without further explanation. In whatever position the hinged beam B is arranged, the curved harrow-teeth E E should be turned to coincide with point F—*i. e.*, pointing in the same direction.

Having now fully described my invention, I claim and desire to secure by Letters Patent—

In a combined plow and cultivator, the adjustable hinged harrow-beam B, with its teeth E E, perforated adjustable arc C, and beam A, in combination with the adjustable hinged and slotted standard G, plow-point F, and adjustable abutment K, substantially as set forth and described.

In testimony that I claim the foregoing as my own invention I affix hereto my signature in presence of two witnesses.

JOHN L. SCARBROUGH.

Witnesses:

JOHN M. TAYLOR,

WILLIAM SCARBROUGH.