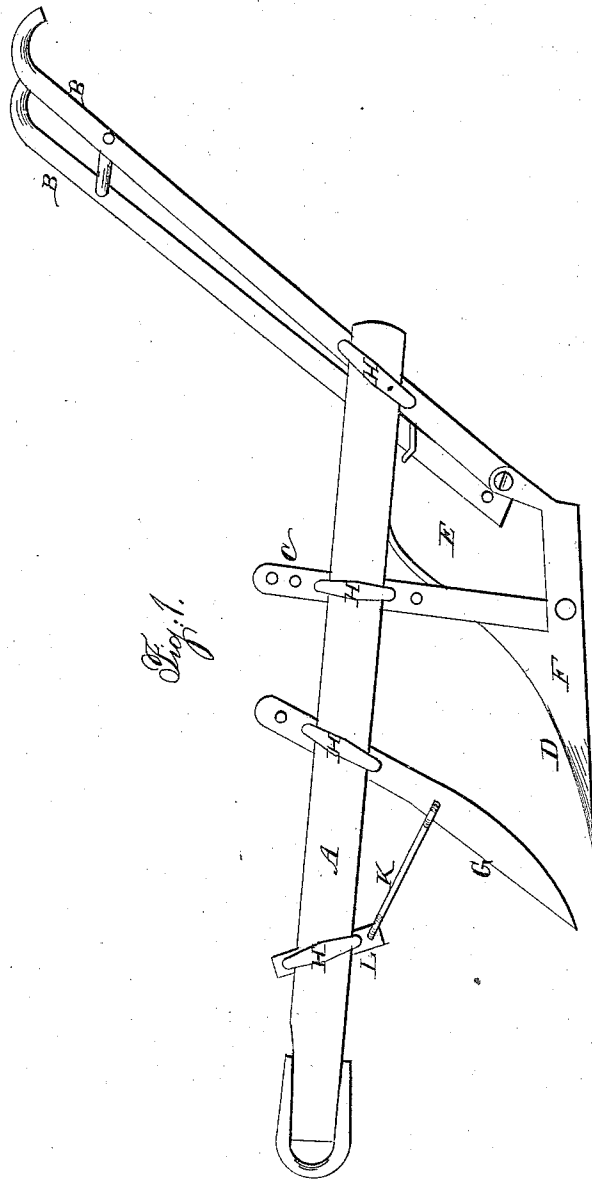


G. WATT.

Plow.

No. 2,548.

Patented Apr. 11, 1842.

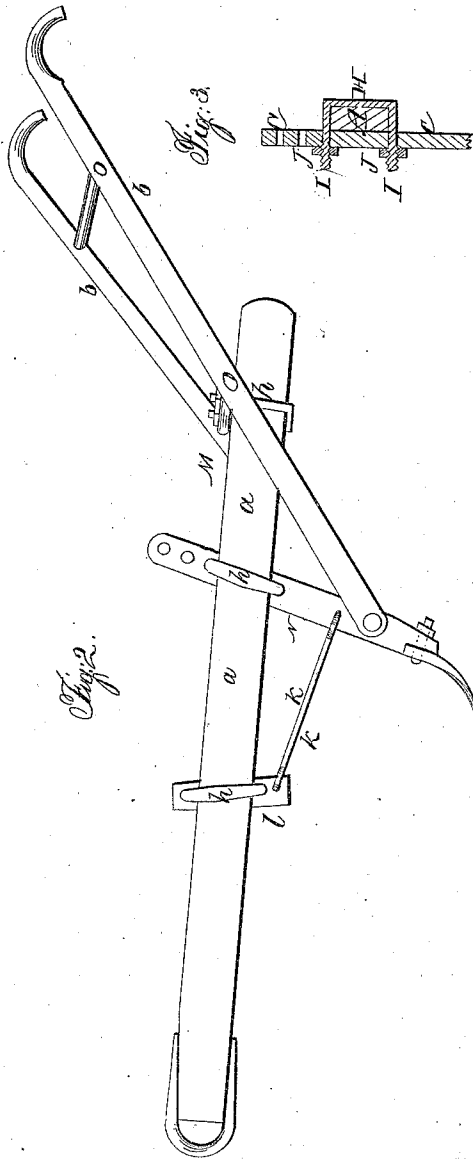


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UNITED STATES PATENT OFFICE.

GEO. WATT, OF GAINESVILLE, ALABAMA.

IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. 2,548, dated April 11, 1842.

To all whom it may concern:

Be it known that I, GEORGE WATT, of Gainesville, in the county of Sumter and State of Alabama, have invented a new and useful Improvement in the Construction of Plows, called "Watt's Cuff, Brace, and Gage Plow," which is described as follows, reference being had to the annexed drawings of the same, making part of this specification.

Figure 1 is a side elevation of the plow. Fig. 2 is a side elevation of a bull-tongue plow; Fig. 3, side elevation of one of the clasps or cuffs and part of the sheath or standard detached from the plow.

Similar letters refer to corresponding parts.

The nature of this invention and improvement consists in the combination and arrangement of certain iron cuffs or clasps with screws and nuts and brace to the ordinary plows in use, by which several important advantages are obtained, among which are the following.

A mechanic is not required to apply the improvement, any common laborer being capable of doing it.

The iron-work being made, any person can stock the plow without difficulty, and can do it correctly.

The beam is not weakened by mortises or auger-holes, and it may be made straight without variation, and no scribe or gage is necessary to get it out.

After the parts of the plow are put together, should land or draft be required to be given to or taken from it, a plowboy of seventeen years of age can do it in a few minutes without tools, excepting a wrench.

The plow is not liable to choke in ground where there are no vines or large stalks.

If the plow has faults, any common negro or laborer or other person can remedy them.

The simplicity of construction and facility of application of the parts to all plows in use without alteration, except a few, and these requiring but very slight alteration, and the same beam answering for many handles, render the improvement very valuable.

The beam A, handles B B, sheath C or standard, share D, mold-board E, landside F, and colter G are made in the usual or most approved manner.

The improvement is as follows: It consists of bars of iron H, bent at right angles, having screws I cut on said ends to receive nuts J,

said bars being placed over the beam in the position required, and these ends passed through the handle, sheath, and colter, having nuts screwed on them to hold these parts firmly together at any angle or in any position in relation to each other that may be required, and being thus placed and secured, are termed "cuffs" or "clasps," and these cuffs or clasps being thus simply constructed and applied to unite and hold together the several parts of the plow by screws and nuts, and requiring only a common wrench to turn the nuts, the beam, handle, and colter may in a few moments be brought to assume any angle required without altering or weakening the plow or incurring any expense, and by means of wedges inserted between the sheath and beam the point of the latter may be thrown to the right or left, as required; and by having the brace K of the colter attached to a vertical plate, L, of the cuff on the forward part of the beam of the colter, it may be made to assume any angle required, and at the same time be firmly braced to the beam by means of the screws on the cuffs, the cuffs passing through said plate, and the nuts being on the outside thereof.

This improvement may also be applied to the common bull-tongue plow for fastening the horizontal connecting timber or round M to the beam *a* of the plow and the handles to the ends of said timbers or round M in the usual manner, the leg N being braced in the same manner that the colter in the other plow is braced by a brace, K.

What I claim as my invention, and which I desire to secure by Letters Patent, is—

1. The mode of fastening the beam to the side of the standard by means of the cuff H, embracing the beam and passing through the standard, by which arrangement the beam is not weakened by perforations for the usual bolt-fastenings or tenoning, and likewise the beam is rendered adjustable, in the manner and for the purpose above described.

2. The method of attaching and bracing the colter to the beam by means of cuffs embracing the beam in the manner described instead of being bolted through the beam, as heretofore.

GEORGE WATT.

Witnesses:

WM. P. ELLIOT,
E. MAHER.