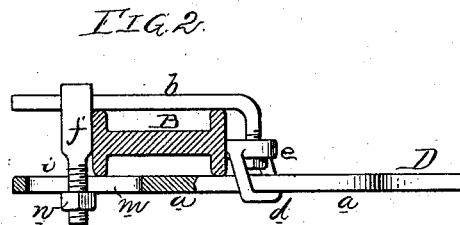
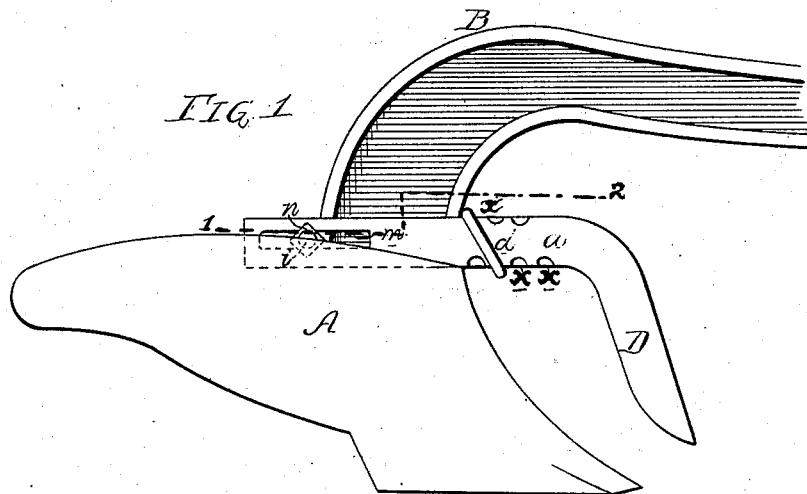


F. GAUNT.  
Attaching Colters to Plows.

No. 217,363.

Patented July 8, 1879.



Witnesses  
Harry Smith  
Henry Howson Jr.

Inventor  
Fillmore Gaunt  
by his attorneys  
Howson and Son

# UNITED STATES PATENT OFFICE.

FILLMORE GAUNT, OF MULICA HILL, NEW JERSEY.

## IMPROVEMENT IN ATTACHING COLTERS TO PLOWS.

Specification forming part of Letters Patent No. **217,363**, dated July 8, 1879; application filed February 10, 1879.

*To all whom it may concern:*

Be it known that I, FILLMORE GAUNT, of Mullica Hill, Gloucester county, New Jersey, have invented a new and useful Improvement in Attaching Colters, &c., to Plows, of which the following is a specification.

My invention relates to a certain improvement in attaching colters or skim-plows to plow beams or standards, and especially to plow-beams of iron, the objects of the improvement being to avoid the necessity of wounding or weakening the plow beam or standard by forming bolt-holes therein, to construct the device so that it can be applied to beams or standards of different thicknesses, and to provide for the longitudinal or vertical adjustment of the colter or skim-plow.

These objects I attain in the manner which I will now proceed to describe, reference being had to the accompanying drawings, in which—

Figure 1 is a side view of part of a plow, showing my improved device for attaching a colter to the beam of the same, and Fig. 2 a sectional plan on the line 1 2, Fig. 1.

A represents the mold-board of the plow, and B the beam, which has the curved shape common to most iron-beam plows.

Against one face of the beam, at a point immediately above the upper edge of the mold-board A, bears a plate, *a*, the front edge of which is bent downward and suitably sharpened or provided with a suitable hardened block, so as to form a colter, D. Against the opposite face of the beam bears a plate, *b*, the front edge of which is bent around the front edge of the beam, and carries an eye, *d*, which embraces the arm *a* and is adjustable on the bent end of the arm *b*, such adjustment being effected by manipulating a nut, *e*, with which said bent end is provided.

The rear end of the arm *b* is embraced by a yoke, *f*, the latter terminating in a threaded stem, *i*, which projects through a slot, *m*, in the plate *a*, and is furnished with a nut, *n*.

It will thus be seen that when the eye *d* has been properly adjusted the tightening of the nut *n* will insure the clamping of the plate *a* firmly against the standard or upright portion of the beam B.

In order to prevent the plate *a* from moving longitudinally independently of the plate *b*

when the two are clamped to the standard or beam B, the upper and lower edges of the plate *a* are provided with notches *x*, to one set of which the eye *d* is adapted when the plates are clamped together, so that the plate *a* is firmly held in its proper longitudinal position.

Before the plate is clamped to the beam B, however, it may be moved forward or backward by shifting the eye *d* from one set of notches to another, the stem *i* moving in the slot *m* during such adjustment, or the angle of the plate *a* in respect to the mold-board and beam may be altered, so as to raise or lower the point of the colter.

It will be observed that the plate *a* is clamped to the beam without the necessity of weakening the same by forming bolt-holes therein, and, owing to the fact that the plate *b* is adjustable laterally in respect to the plate *a*, the latter can be adapted to plow-beams of different thicknesses.

When a skim-plow is used, the front end of the arm *a* is properly constructed for the attachment of the same thereto, and, if desired, the colter may be made separate from the arm, and may be attached thereto instead of forming part thereof, as described and shown.

My improvement may, if desired, be used in connection with plows having beams of wood, the plate *a* in this case being clamped to the standard, which extends vertically from the mold-board to the beam.

I claim as my invention—

1. The combination of the standard or upright portion B of a plow-beam, the plates *a* and *b*, the laterally-adjustable eye *d*, the yoke *f*, having a threaded stem, *i*, and the nut *n*, as set forth.

2. The combination of the standard or upright portion B of a plow-beam, the plate *b* and its eye *d*, the yoke *f*, its threaded stem *i* and nut *n*, and the plate *a*, having notches *x* and a slot, *m*, as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

FILLMORE GAUNT.

Witnesses:

JOHN M. C. RICHMAN,  
SAMUEL HITCHNER.