

C. H. THOMAS.
Coulter-Clasps.

No. 141,675.

Patented August 12, 1873.

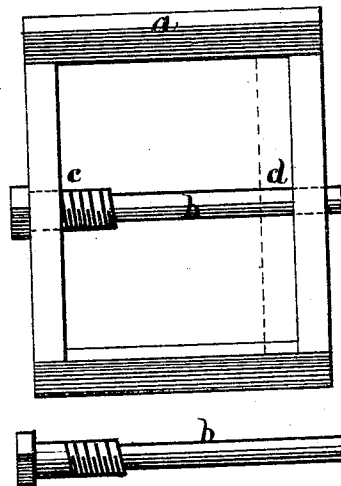


Fig. 1.

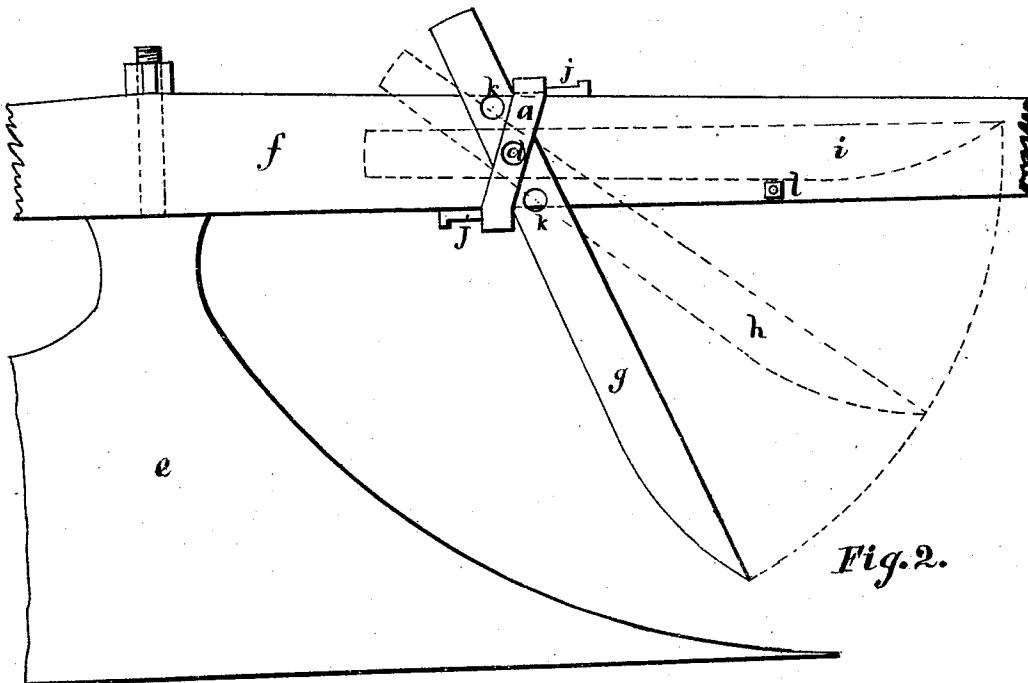


Fig. 2.

Witnesses.
Timothy Ediley
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Inventor.
Chas. H. Thomas.

UNITED STATES PATENT OFFICE.

CHARLES H. THOMAS, OF CASSVILLE, NEW YORK.

IMPROVEMENT IN COLTER-CLASPS.

Specification forming part of Letters Patent No. **141,675**, dated August 12, 1873; application filed March 17, 1873.

To all whom it may concern:

Be it known that I, CHAS. H. THOMAS, of Cassville, in the county of Oneida and State of New York, have invented a new and useful Improvement on a Colter-Clasp for Hanging Colters to Plow-Beams; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings making a part of this specification, in which—

Figure 1 is a view of the clasp *a*, with partial thread-bolt *b* passing through the clasp at *c* and *d*. The holes in the clasp *a* at *c* and *d* are large enough to allow the bolt *b* to pass through freely. Fig. 2 is a side view of a plow with the improved clasp *a* on it.

e is the plow. *f* is the beam. *a* is the improved clasp. *g* is the colter. The bolt *b*, Fig. 1, passes not only through the clasp *a* at *c* and *d*, but through the beam *f* and colter *g*, also as shown at *d*, Fig. 2. The clasp *a* lies off from the beam *f* far enough to allow the colter *g* to swing loosely up and down inside the clasp *a*, between it and the beam *f*, as shown by dotted lines in Fig. 1. The object of this is

to form a pivot on the bolt *b* at *d*, Fig. 2, to allow the colter *g* to rise up, as shown by dotted lines *h*, for the purpose of removing any obstruction that may accumulate between it and the plow *e*, or farther up to *i*, where it will be held fast by a small bolt or button, *l*, when not in use. *jj* are two graduating-blocks, placed between the clasp *a* and beam *f* for the purpose of setting the colter more or less straight, or on an angle. The screw-thread on the bolt *b* is for the purpose of screwing into the beam *f* to prevent the bolt from working out. *kk* are holes in the colter *g* for the purpose of raising or lowering the same.

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

In connection with a plow-beam, the combination of the band *a*, partial thread-bolt *b*, blocks *j j*, and perforated colter *g*, all constructed and operating as and for the purposes set forth.

CHAS. H. THOMAS.

Witnesses:

TIMOTHY E. WILCOX,
DAVID MORRIS.