

J. VAN BROCKLIN.

Plow-Clevis.

No: 5,016.

Patented Mar. 13, 1847.

Fig. 1.

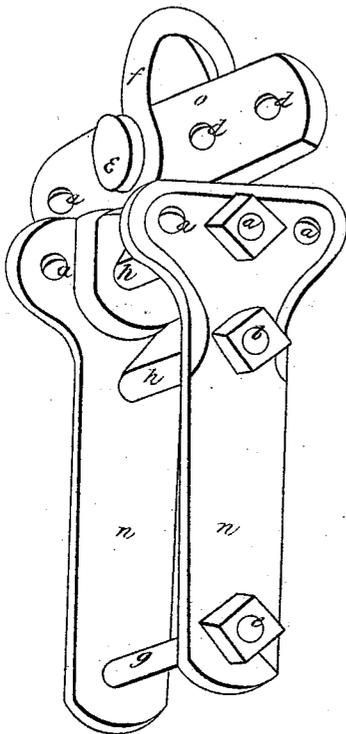


Fig. 2.

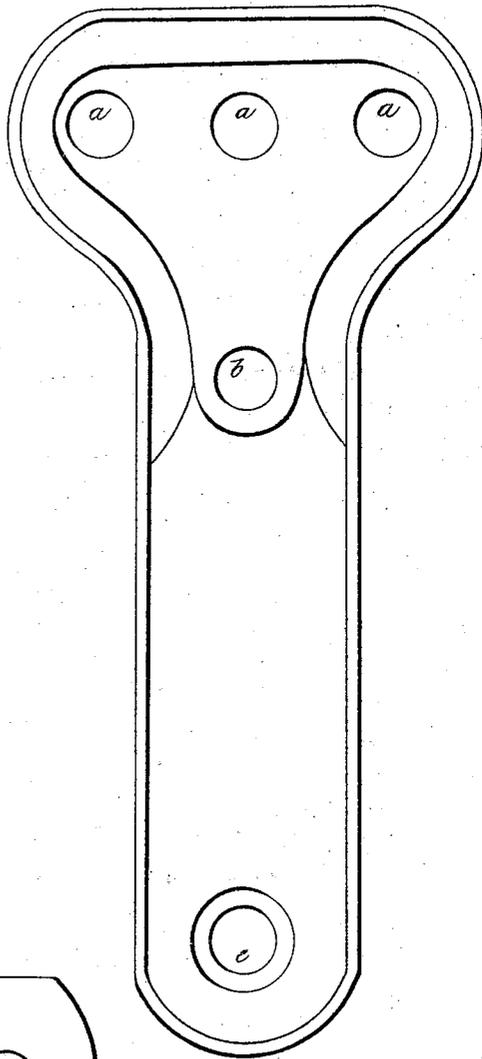
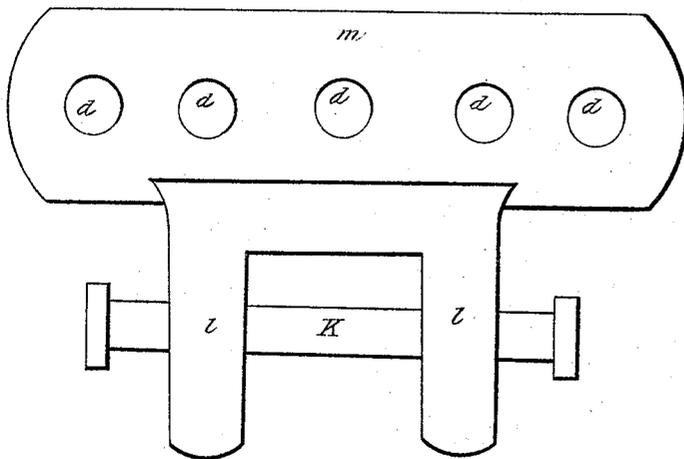


Fig. 3.



UNITED STATES PATENT OFFICE.

JNO. VAN BROCKLIN, OF MIDDLEPORT, NEW YORK.

IMPROVEMENT IN CLEVISES FOR PLOWS.

Specification forming part of Letters Patent No. 5,016, dated March 13, 1847.

To all whom it may concern:

Be it known that I, JOHN VAN BROCKLIN, of Middleport, in the county of Niagara and State of New York, have invented a new and Improved Mode of Manufacturing Cast-Iron Clevises for Plows; 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 part of this specification, in which—

Figure 1 is a perspective view of the clevis. Fig. 2 is a side view of the two sides which are bolted to the sides of the beam. Fig. 3 is a piece of the shape represented, which stands in a horizontal position directly in front of the beam.

The nature of my invention consists in making a cast-iron clevis that can be readily used on any plows and be altered at the pleasure of the user, so as to draw up or down and to and from land, as may be desired.

This clevis is made of three pieces of cast-iron, four wrought-iron bolts, and one small wrought-iron clevis. First, there are two pieces of the shape and size of Fig. 2, about one-half of an inch thick. These pieces are intended to be bolted to the sides of the beam, with the holes *a a a* projecting forward of the beam through the holes *c b*. *a a a* are holes left for the purpose of putting a bolt through to hold a piece of the shape and size of Fig. 3, which is also made of cast-iron. There is only one bolt, but there are three bolt-holes. The object of these holes is to set the plow to draw up or down. Fig. 3 is then put with the arms *b l* inside the other two pieces directly in front of the beam and secured by a bolt, *K*, running through these arms and through one of the holes *a a a*. These arms are about three-fourths of an inch thick and about two inches deep. The front part of this Fig. 3, and which is marked *m*, is of the size

designated in the figure, and about one inch thick. There are five holes, *d d d d d*, left to receive a bolt holding a small clevis, *f*, in Fig. 1, to which the whiffletrees are to be attached.

In Fig. 1, *h h* represent the Fig. 2 in combination with the other parts. *o* represents the Fig. 3 in like combination with the other parts. *h* and *g* in Fig. 1 represent the bolts running through the holes *b* and *c* in Fig. 2, as well as in Fig. 1. *K* represents the bolt which holds the part *o* to the parts *h h*. *E* represents the bolt which holds the small clevis *f* to the part *o*.

The clevis *f* is made of wrought-iron, the part *o*, when in use, is in a horizontal position, and by means of the holes *d d d d d* the shaft can be changed so as to draw to or from land, which is done by changing the clevis *f* from one hole to the other.

The advantages of this clevis arise from its great durability and adaptation to all kinds of plows. The cast-iron part will hold the draft of three teams and is not liable to wear, and by means of the holes *a a a* can be set to draw up or down at the pleasure of the user, and by means of the holes *d d d d d* it can be set to draw to or from land at the pleasure of the user. It is set to move up and down by moving the horizontal part *o* in Fig. 1 from one hole to the other, and from or to land by moving the small wrought-iron clevis from one side to the other by the holes *d d d d d*, making an article at once cheap and durable that will gage any plow either in depth or width of furrow.

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

The construction of a double-gaged cast-iron clevis, substantially as described.

JOHN VAN BROCKLIN.

Witnesses:

THOS. M. WEBSTER,
GEORGE W. GAGE.