

S. WILT.
Plow-Clevis.

No. 4,730.

Patented Sept. 3, 1846.

Fig. 2

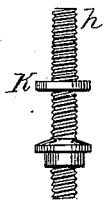
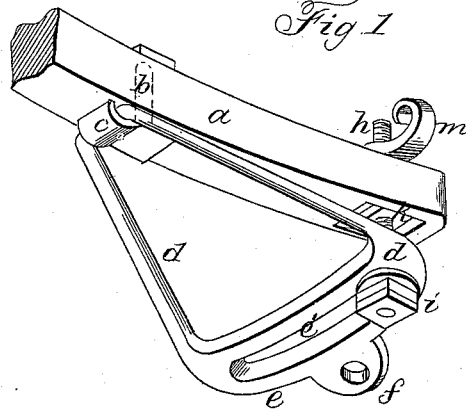


Fig. 1



UNITED STATES PATENT OFFICE.

SAMUEL WILT, OF HAGERSTOWN, MARYLAND.

IMPROVEMENT IN PLOW-CLEVISES.

Specification forming part of Letters Patent No. 4,730, dated September 3, 1846.

To all whom it may concern:

Be it known that I, SAMUEL WILT, of Hagerstown, in the county of Washington and State of Maryland, have invented a new and Improved Adjustable Clevis for Plows; and I do hereby declare that the following is a full, clear, and exact description of the principle or character which distinguishes it from all other things before known, and of the manner of making, constructing, and using the same, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is an isometrical view of the end of the beam and clevis, and Fig. 2 parts detached.

The same letters indicate like parts in all the figures.

Many modifications of the clevis have been made by which the plow was to be properly set, but heretofore generally without success, and in many instances the expense of construction was so great that they were not brought generally into use. By my newly-invented clevis I am enabled to set the draft up or down or sidewise with the utmost exactness, which has not been attained by any clevis now in use.

The construction is as follows: At a suitable distance from the end of the beam *a* there is a bolt, *b*, that passes vertically through it. On the head of this bolt, which is on the under side of the beam, there is an eye, *c*, into which a horizontal triangular-shaped piece of metal, *d*, that forms the clevis, hooks at one of its angles, its opposite side, *e*, which projects nearly to the end of the beam, being allowed a free motion up or down or sidewise. This side has a curved slit, *e'*, in it, and at the center of the side *e* an eye, *f*, is formed, to which the draft-chain is hitched. A bolt, *h*, passes through the beam near the end opposite the slit *e'*, through which it also passes. Be-

tween the under side of the beam and the clevis there is a shoulder on this bolt, against which the clevis rests. A screw is cut on the lower end, and a single or double nut, *i*, is screwed on to hold the bolt in any part of the slit *e'*. This regulates the draft laterally, and it can be adjusted with the greatest nicety, so as to run the plow more or less to land. A screw is also cut on the upper end of the bolt *h*, that passes through the beam nearly down to the shoulder above named. A nut, *k*, is screwed onto this bolt nearly down to the shoulder before it is put through the beam, in the under side of which there is a recess for the nut to fit to prevent its turning, and above the beam there is another nut, *m*, for holding it in its place. The distance at which the end of the clevis *e* is held from the beam is regulated by these nuts and the bolt *h*.

By the above description it will appear that the clevis is capable of adjustment in any direction in the smallest degree and in a cheap and permanent way.

It will be obvious that the clevis can be made double, if desired, which I only deem a modification of my plan.

Having thus fully described my invention, I wish it to be understood that I do not claim adjusting the height of the draft by a screw; nor do I claim regulating the clevis by a slit and set-screw, as these have before been done; but

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

The combination of the horizontal and vertical adjusting apparatus, constructed as herein described, by which the adjustment can be made either way with the minutest exactness.

SAMUEL WILT.

Witnesses:

J. J. GREENOUGH,
A. P. BROWNE.