

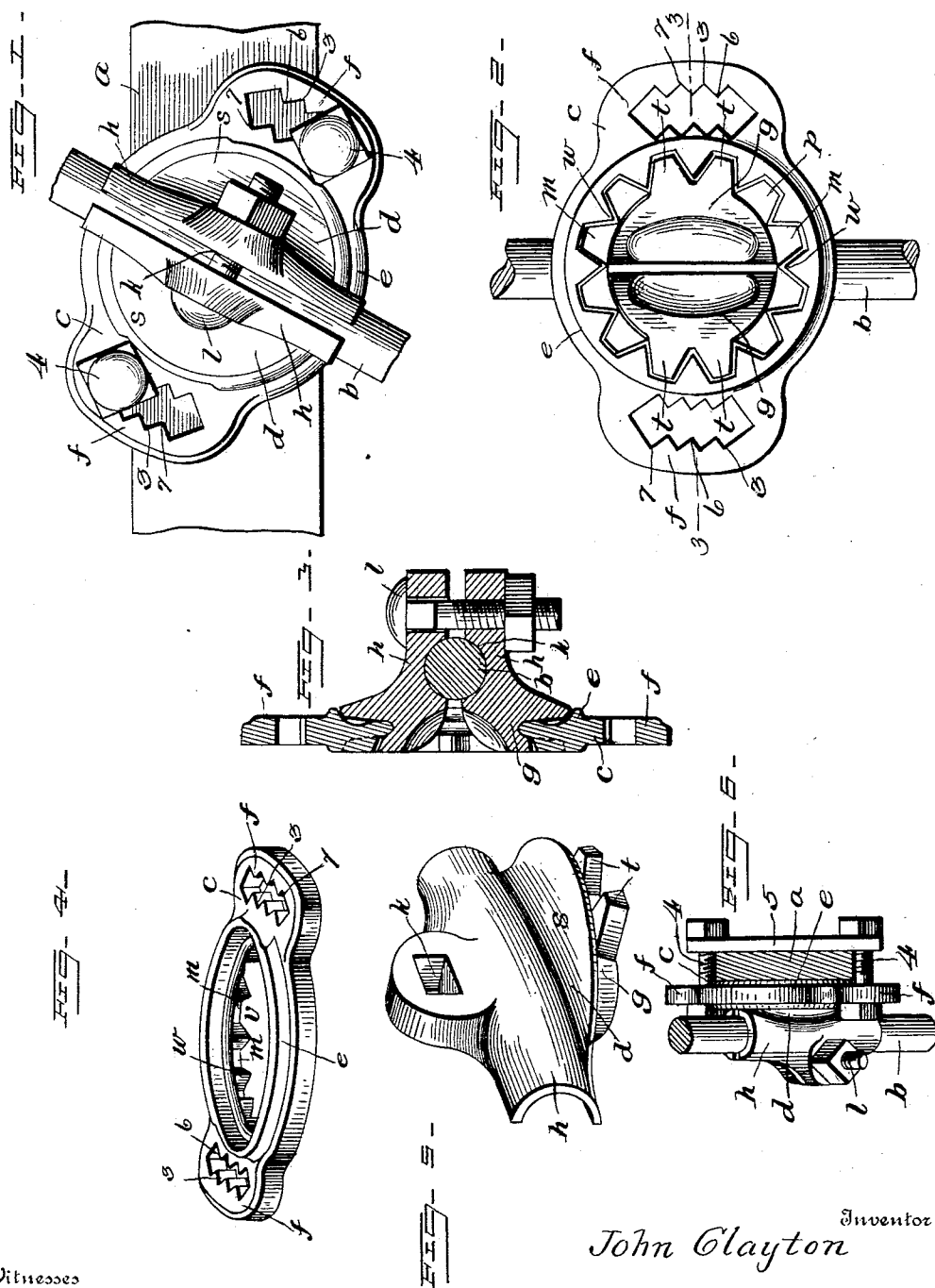
No. 733,155.

PATENTED JULY 7, 1903.

J. CLAYTON.
COLTER CLAMP.

APPLICATION FILED MAR. 14, 1903.

NO MODEL.



Witnesses

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COLTER-CLAMP.

SPECIFICATION forming part of Letters Patent No. 733,155, dated July 7, 1903.

Application filed March 14, 1903. Serial No. 147,774. (No model.)

To all whom it may concern:

Be it known that I, JOHN CLAYTON, a citizen of the United States, and a resident of Minneapolis, in the county of Hennepin and State of Minnesota, have made a certain new and useful Invention in Colter-Clamps; and I declare the following to be a full, clear, and exact description of the same, such as will enable others skilled in the art to which it appertains to make and use the invention, reference being had to the accompanying drawings, and to letters and figures of reference marked thereon, which form a part of this specification.

Figure 1 is a front elevation of the invention as applied. Fig. 2 is a rear elevation of the invention. Fig. 3 is a section on the line 3 3, Fig. 2. Fig. 4 is a perspective view of the beam-plate. Fig. 5 is a perspective view of one of the clamp-jaws. Fig. 6 is a side elevation of the invention.

The invention has relation to improvements in colter-clamps for plows; and it consists in the novel construction and combinations of parts, as hereinafter set forth.

In the accompanying drawing, illustrating the invention, the letter *a* designates a portion of the plow-beam to which it is designed to attach a colter by its standard, (indicated at *b*.)

The clamp consists of the adjustable beam-plate *c* and the adjustable colter-clamp jaws *d d*. The beam-plate is of oblong form, having a broad or circular body portion *e* and broad end lugs *f f*. The face of the body portion *e* is circularly recessed in a shallow manner to receive the semicircular feet *g g* of the two clamp-jaws *d d*, each of which is provided with a semicylindrical jaw *h* to engage the colter standard or stem *b*. A bolt-hole *k* is made in each clamp above its stem-bearing to receive the short clamp-bolt *l*. The foot *g* of each clamp-jaw is provided with one or more broad stout teeth *t*, which are turned outward and which are designed to engage broad recessed indentations *m* in the marginal portion *p* of the under side of the body *e*. The body *e* is provided with a large cen-

tral aperture *v* to receive the circular bearing portions *s* of the clamp-jaws.

The marginal portion *p* of the body *e* on its under side is provided with a circular series of angular projections *w*, which project radially toward the center. These projections are V form and are separated from each other by the broad recessed indentations *m*, which are designed to engage the teeth *t* of the feet of the clamps *d d*. As these teeth *t* and the indentations *m*, which are engaged thereby, are required to be made quite large and strong for the purposes in view, it is often necessary to make a more delicate or finer adjustment of the colter-clamp than can be accomplished by their means. To that end the broad end lugs *f f* are provided with toothed slots 3, which extend transverse to the radius of the body portion and have a suitable slight curvature lined upon said body portion to accommodate in different positions the bolts 4, whereby the beam-plate *c* is secured to the holder-plate 5 on the opposite side of the plow-beam. The teeth 6 of each slot 3 are oppositely placed in series, as shown, in order to provide indentations 7 to receive the bolts 4, according to the position of the beam-plate required to accommodate the nearest adjustment of the clamp-jaws to secure the proper position of the standard or stem of the colter. The indentations of the slots 3 are arranged on different radial lines from the indentations *m* of the circular body portion and are more closely related in such wise as to cooperate with the indentations *m* in giving the finer adjustment required.

Having described this invention, what I claim, and desire to secure by Letters Patent, is—

1. In a colter-clamp, the combination with the adjustable clamp-jaws having semicircular feet provided with outward-projecting teeth, of the adjustable beam-plate having a circularly-recessed body, indentations in its under side, and end lugs provided with toothed slots traversing the radius of the body, substantially as specified.

2. A colter-clamp, comprising an adjustable

beam-plate, having a circularly recessed and
apertured body portion formed with a circular
series of indentations, and end lugs having
toothed slots extending transverse the radius
of said central portion, adjustable clamp-
jaws having semicircular feet engaging said
beam-plate, and outward-turned teeth engaging
said indentations, and suitable bolts for

connecting said beam-plate to a plow-beam,
substantially as specified. 10

In testimony whereof I affix my signature
in presence of two witnesses.

JOHN CLAYTON.

Witnesses:

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S. A. RICE.