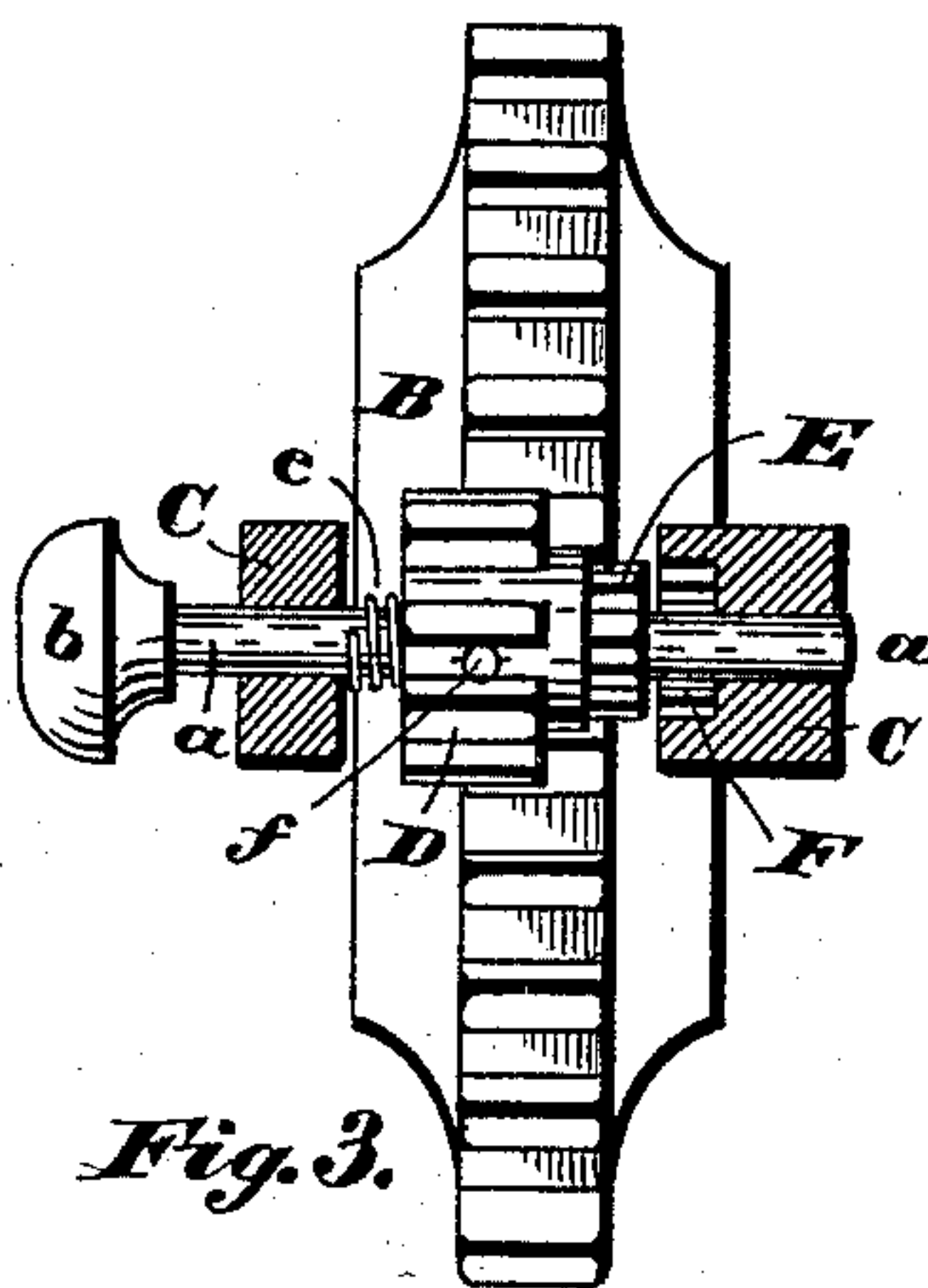
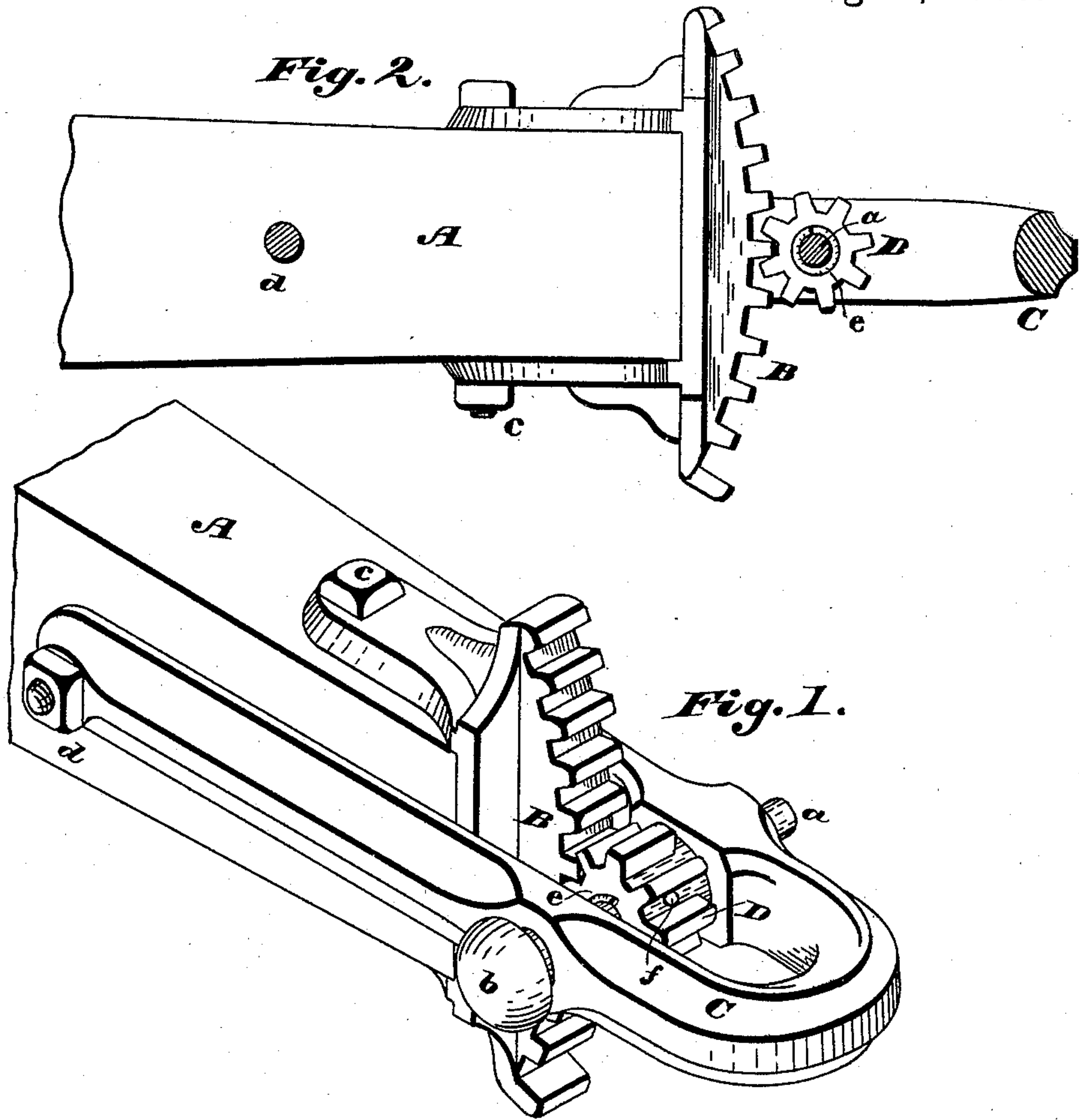


(No Model.)

H. M. SMITH.
PLOW CLEVIS.

No. 387,373.

Patented Aug. 7, 1888.



WITNESSES:
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UNITED STATES PATENT OFFICE.

HENRY M. SMITH, OF CANTON, OHIO.

PLOW-CLEVIS.

SPECIFICATION forming part of Letters Patent No. 387,373, dated August 7, 1888.

Application filed January 24, 1888. Serial No. 261,797. (No model.)

To all whom it may concern:

Be it known that I, HENRY M. SMITH, a citizen of the United States, residing at Canton, in the county of Stark and State of Ohio, have invented certain new and useful Improvements in Plow-Clevises; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon, in which—

Figure 1 is an isometrical view. Fig. 2 is a side elevation showing one prong of the draft-link broken away. Fig. 3 is an end view showing draft-link in transverse section.

The present invention has relation to plow-clevises; and it consists in the different parts and combination of parts hereinafter described, and particularly pointed out in the claims.

Similar letters of reference indicate corresponding parts in all the figures of the drawings.

In the accompanying drawings, A represents the plow-beam, which is constructed in the ordinary manner, and has attached to the front or forward end the crown-head B, which is substantially of the form shown in the drawings, and, as shown, is provided with teeth or cogs.

The draft-link C is substantially of the form shown, and is pivotally attached to the beam A by means of the clamping-bolt *d*. To the front or forward portion of the draft-link C is attached the cross-bolt *a*, and to this cross-bolt *a* is attached the pinions D and E, said pinions being preferably formed integral and being securely held to the cross-bolt *a* by means of the rivet *f* or its equivalent. This cross-bolt *a* is so adjusted that when the draft-link C is placed in proper position the pinion D will mesh into the cogs or teeth on the crown-head B. The draft-link C is provided with the socket F, which corresponds in size and shape with pinion E, and is for the purpose of receiving and holding the pinion E, thus securely holding

the draft-link C at any desired point of adjustment within the limits of its movements. The helical spring *e* is located substantially as shown in Fig. 3, and is for the purpose of holding the pinion E in the socket F, and at the same time hold the pinion D in proper position.

In use, when it is desired to change the adjustment of the draft-link C, the cross-bolt *a* is drawn out or away from the socket F until the pinion E is disengaged from said socket, when the pinion D becomes free to rotate, thus permitting the draft-link to be adjusted to any desired point; and when so adjusted it is securely locked by means of the pinion E entering the socket F.

The socket F is cogged, the cogs corresponding in size and number with the cogs on the pinion E. In use, to release the draft-link C the pinion E is detached from its cogged socket, and the draft-link adjusted to the desired point, the pinion E being so adjusted that the cogs will mesh, when said pinion is forced into the socket, by means of the spring *e*.

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

1. The combination of the beam A, provided with the crown-head B, the draft-link C, carrying the cross-bolt *a*, the pinions D and E, and the spring *e*, and means for locking said pinions, substantially as and for the purpose specified.

2. The beam A, provided with the crown-head B, the draft-link C, pivotally attached to said beam and carrying the cross-bolt *a*, and the pinions D and E, substantially as and for the purpose specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

HENRY M. SMITH.

Witnesses:

FRED W. BOND,
L. C. WISE.