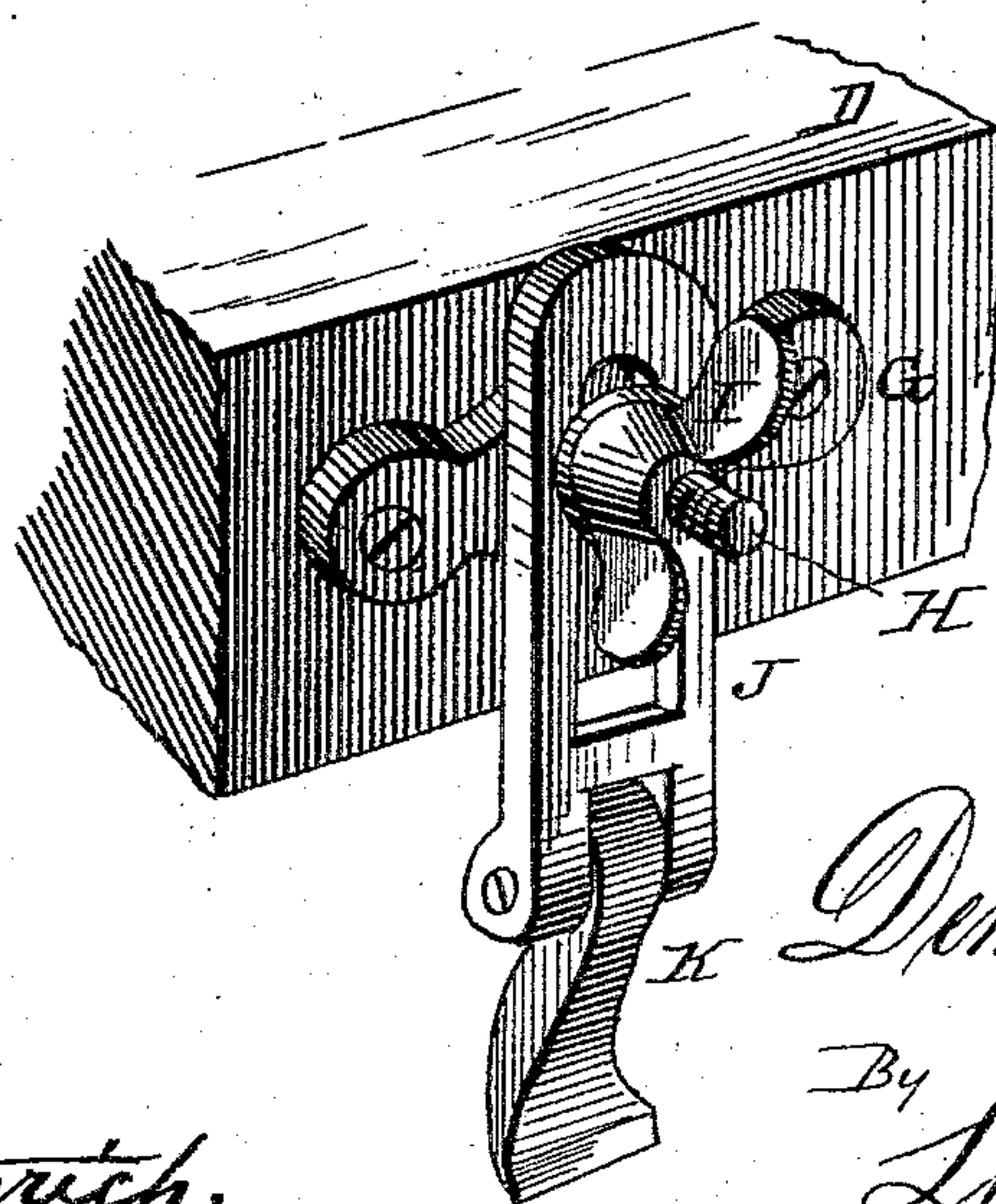
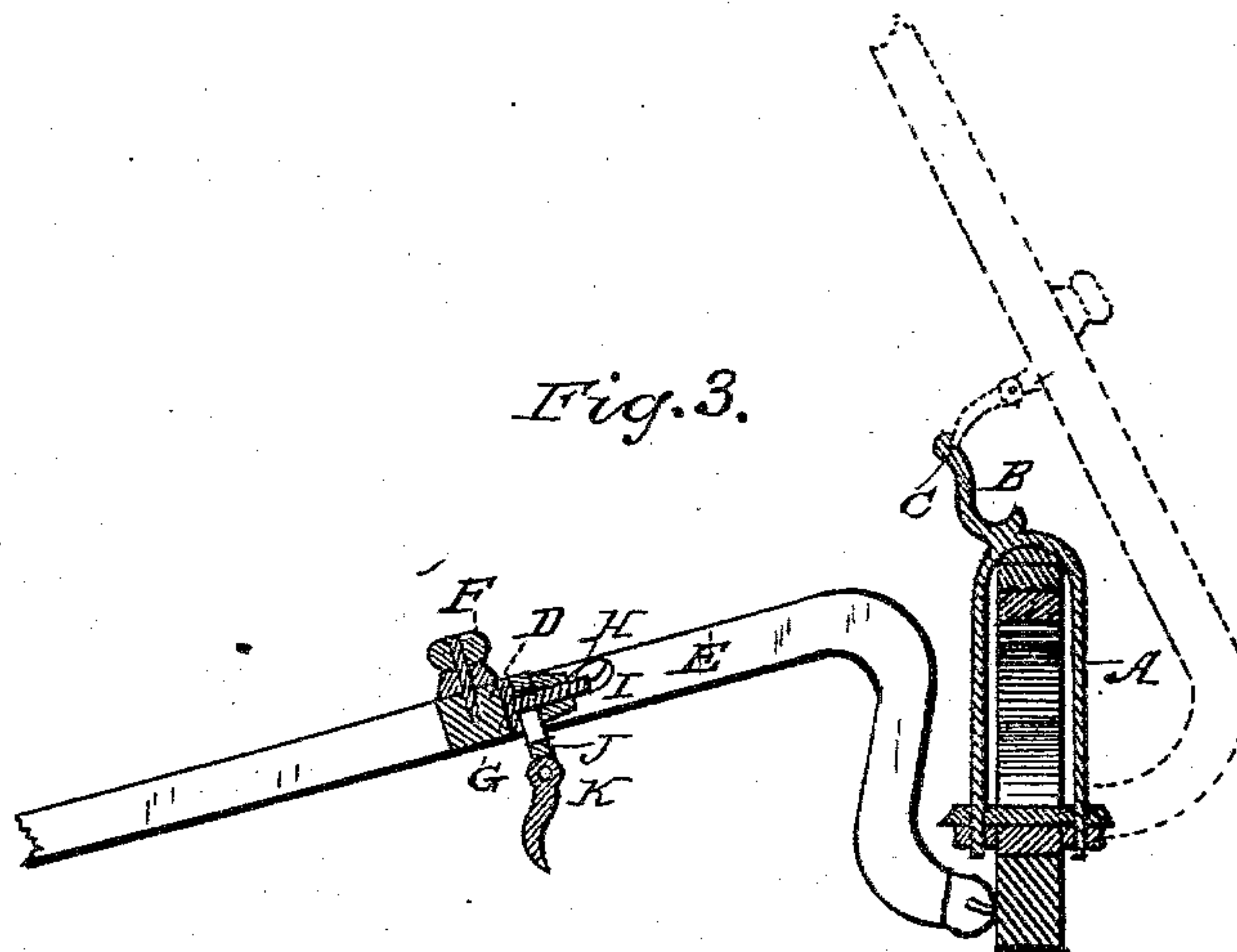
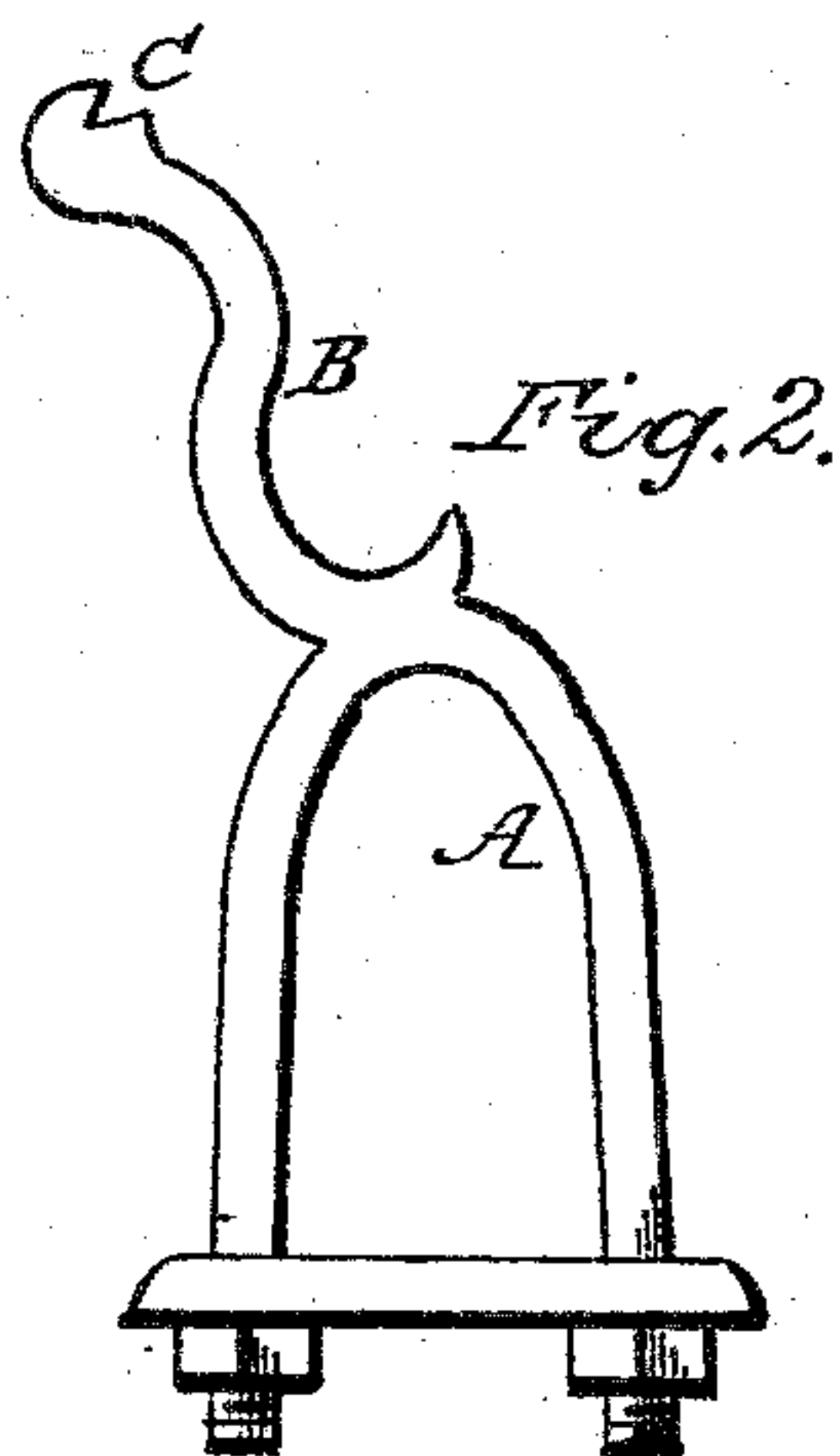
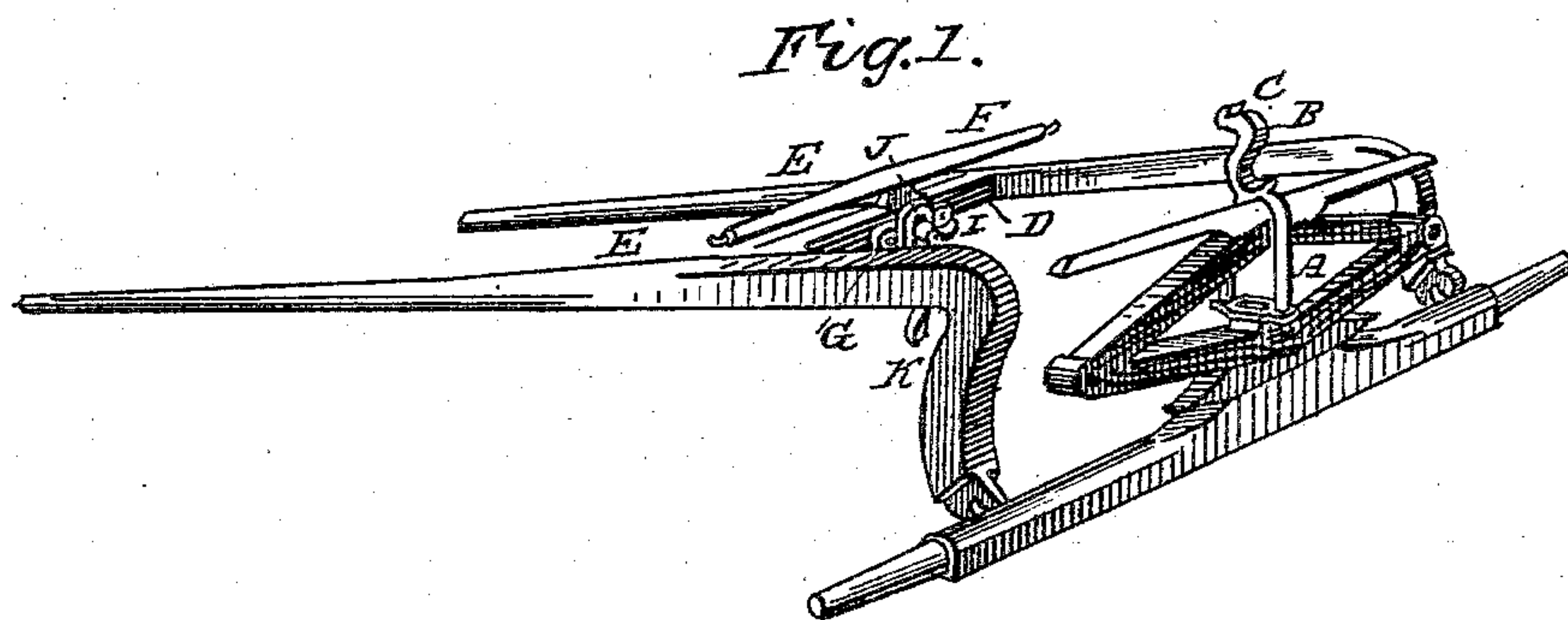


(No Model.)

D. L. LAUGHLIN.
VEHICLE SHAFT SUPPORT.

No. 288,071.

Patented Nov. 6, 1883.



WITNESSES:

Ad. G. Dietrich.
Arthur L. Mossell.

Demetrius Laughlin
INVENTOR.

By *Louis Bagger & Co.*
ATTORNEYS.

UNITED STATES PATENT OFFICE.

DEMETRIUS L. LAUGHLIN, OF RUSH COUNTY, INDIANA.

VEHICLE SHAFT-SUPPORT.

SPECIFICATION forming part of Letters Patent No. 288,071, dated November 6, 1883.

Application filed August 16, 1883. (No model.)

To all whom it may concern:

Be it known that I, DEMETRIUS L. LAUGHLIN, a citizen of the United States, and a resident of Rush county and State of Indiana, have invented certain new and useful Improvements in Shaft-Holders; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a perspective view of my shaft-holder complete. Fig. 2 is a side view of the holder-bracket. Fig. 3 is a sectional view of the device, and Fig. 4 is a perspective view, on an enlarged scale, of the cross-bar which connects the shafts, showing the pivoted latch and the means for effecting its adjustment.

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

My invention relates to shaft-holders for vehicles; and it consists in the construction and combination of parts of the same, which will be hereinafter more fully described and claimed.

In the accompanying drawings, A is the clip, which is made in one piece with the holder-bracket B, which has a notch, C, at its upper end. The clip is fastened, by preference, astride the middle of the front spring, as shown in Fig. 1; or it may be fastened to any other suitable part of the vehicle, so that it is opposite to the middle of the cross-bar D, which connects the shafts E E at their rear ends, and upon which the whiffletree F is secured in the usual manner.

Upon the back of cross-bar D, and exactly at its middle, is fastened a plate, G, provided with a projecting screw, H, on which works the nut I.

J is a slotted plate, which is clamped adjustably between the fixed plate G and nut I, screw H projecting through the slot.

In the lower end of plate J is pivoted the latch K, which is of the shape shown in the

drawings, so as to adapt its free end to engage the notch C in the holder-bracket B.

From the foregoing description, taken in connection with the drawings, the operation of this device will readily be understood. When the vehicle is not in use, the shafts may be held in an elevated position simply by raising them until latch K drops into the notch C, as shown in dotted lines in the drawings, when they will remain in this elevated position until the latch is released from the notch, which is done by simply tilting the shafts a little farther back, so as to disengage the latch from its notch, when it will readily slip over the notched end of the bracket and allow the shafts to drop.

Inasmuch as all shafts are not bent at a uniform curve, some being much straighter than others, and the cross-piece D being set farther forward on some than on others, it becomes necessary, in order to adapt this device to all kinds of vehicles, to make the pivoted latch adjustable, which is effected by means of the slotted plate J, in which it is pivoted, and which may be adjusted up or down upon plate G, which is fastened to the back of the cross-bar D, the plate and latch being held firmly in their position when properly adjusted by means of the thumb-nut I.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

In a shaft-holder, the combination of the clip A and notched holder-bracket B, shafts E E, having cross-bar D, and adjustable plate J, provided with the pivoted latch K, adapted to engage the notched bracket, substantially as and for the purpose shown and set forth.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in presence of two witnesses.

DEMETRIUS L. LAUGHLIN.

Witnesses:

DAVID JACKSON LAUGHLIN,
ELLSWORTH SIGEL LAUGHLIN.