

No. 756,068.

PATENTED MAR. 29, 1904.

C. B. SIMMONS.
DRAW KNIFE.

APPLICATION FILED DEC. 22, 1903.

NO MODEL.

Fig. 1

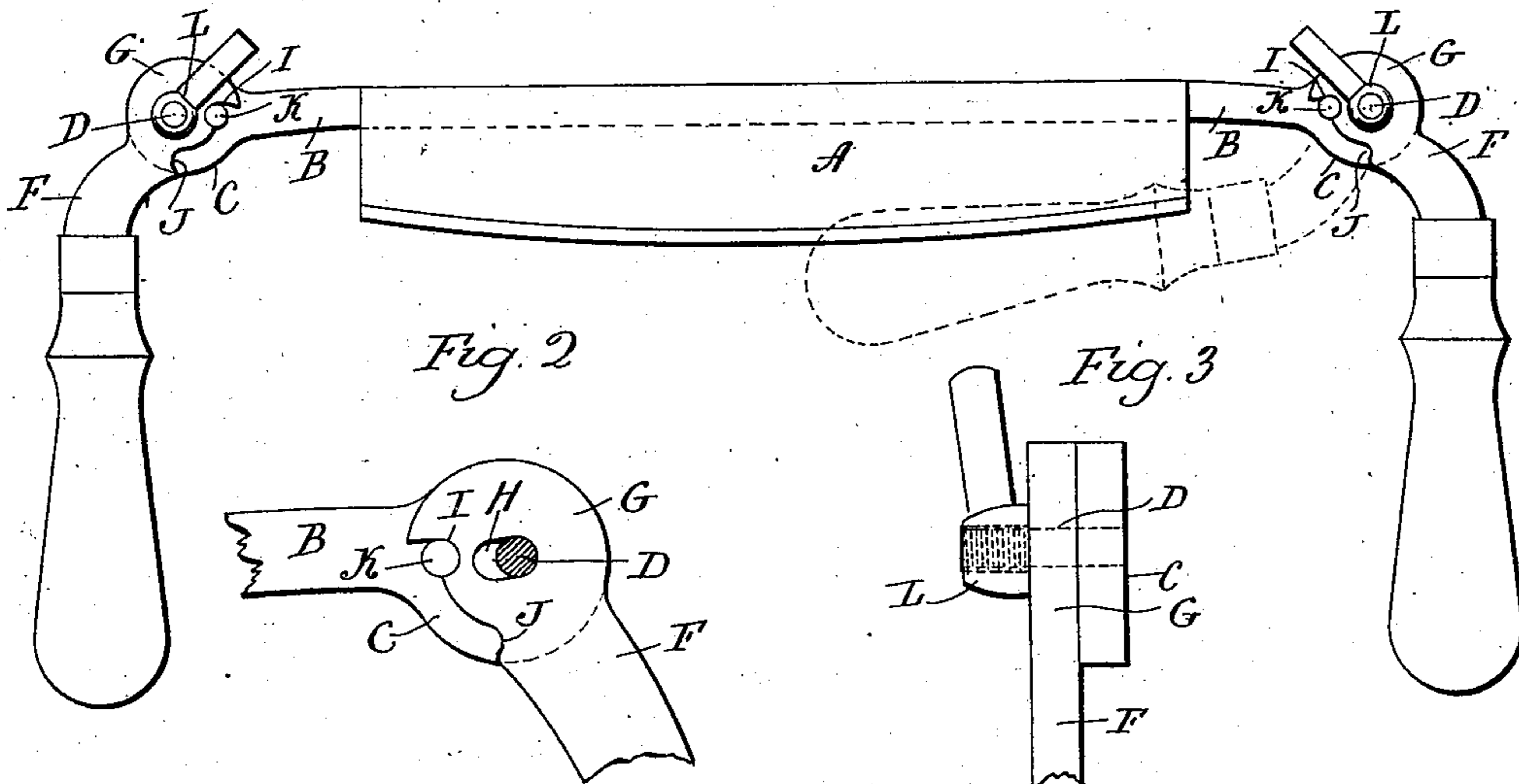


Fig. 2

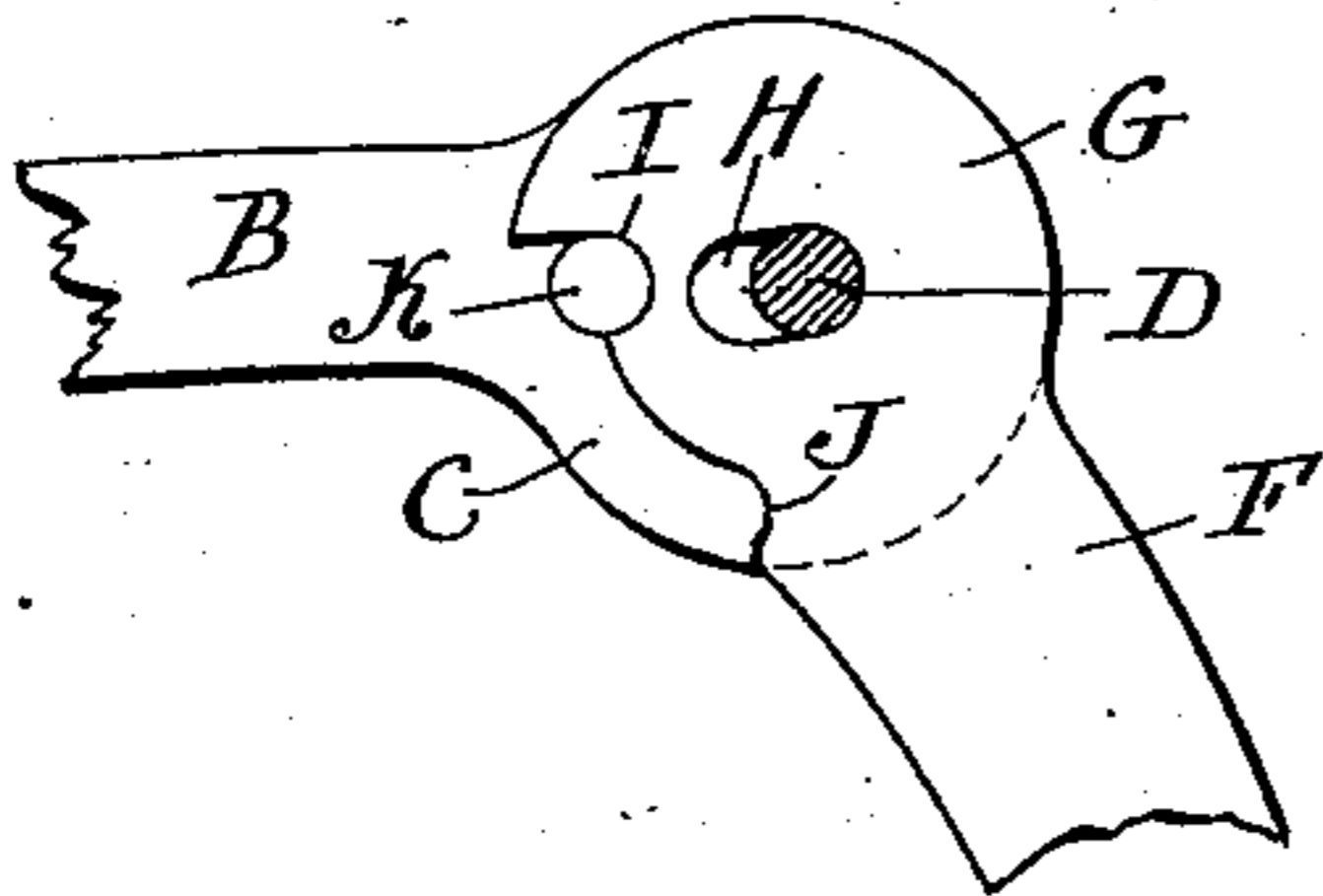


Fig. 3

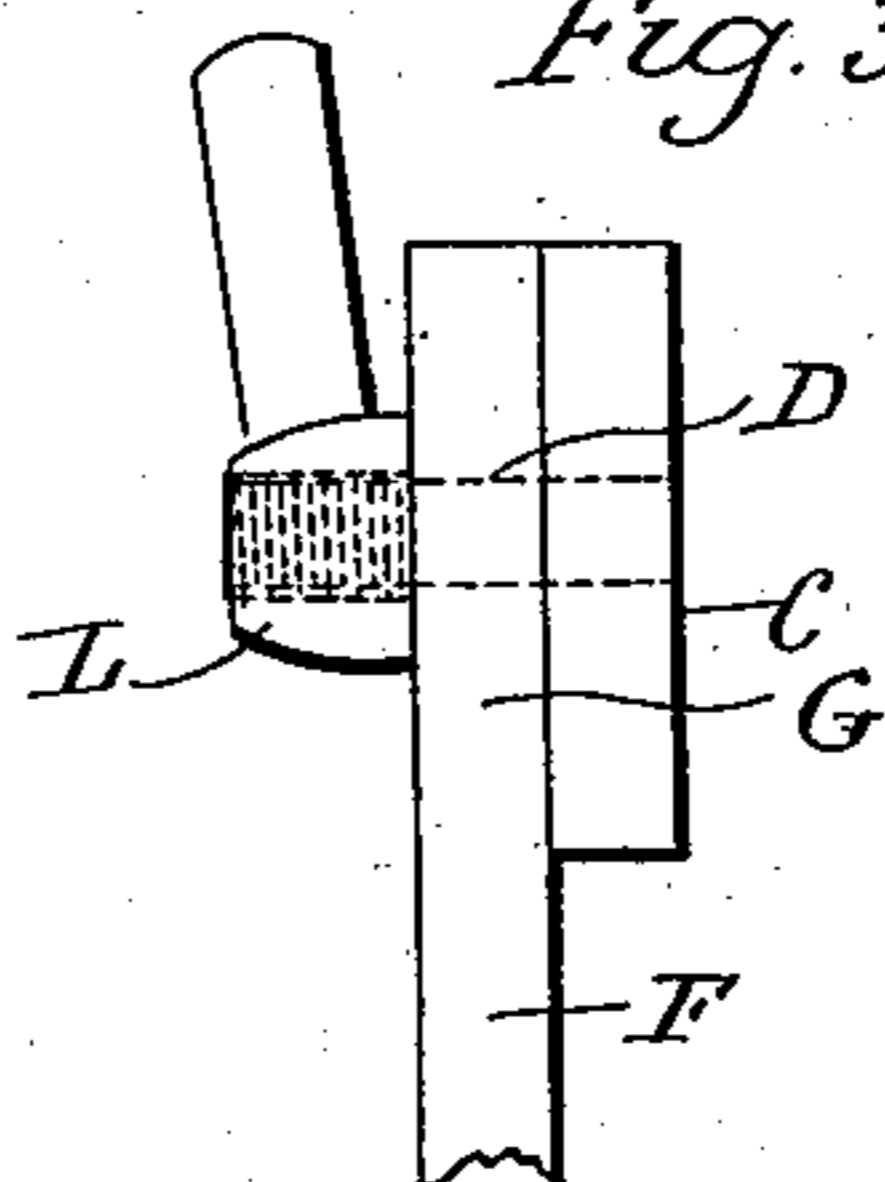
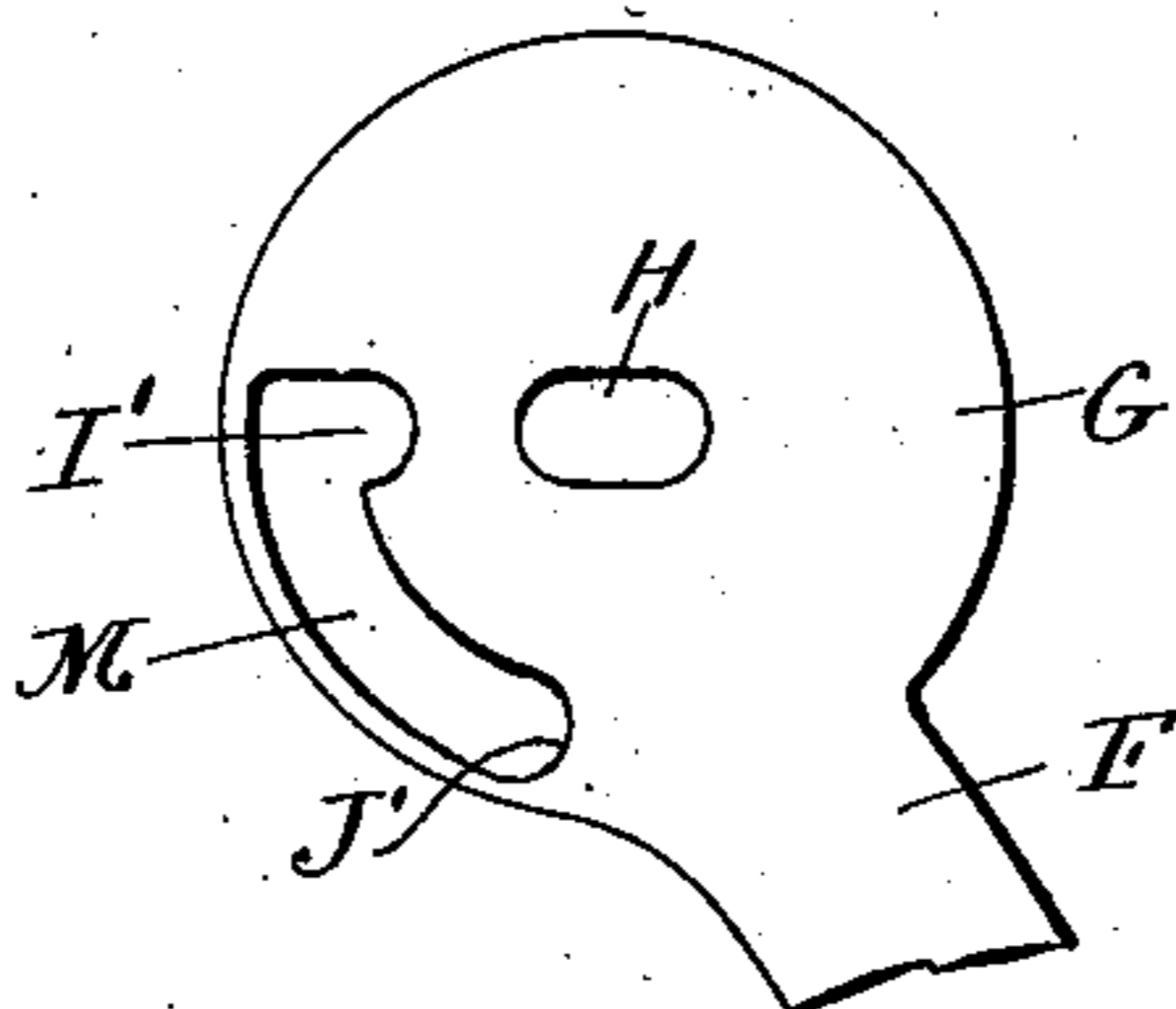


Fig. 4



Witnesses.
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UNITED STATES PATENT OFFICE.

CHARLES B. SIMMONS, OF BRISTOL, CONNECTICUT.

DRAW-KNIFE.

SPECIFICATION forming part of Letters Patent No. 756,068, dated March 29, 1904.

Application filed December 22, 1903. Serial No. 186,170. (No model.)

To all whom it may concern:

Be it known that I, CHARLES B. SIMMONS, of Bristol, in the county of Hartford and State of Connecticut, have invented a new and useful
5 Improvement in Draw-Knives; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same,
10 and which said drawings constitute part of this specification, and represent, in—

Figure 1, a top or plan view of a draw-knife constructed in accordance with my invention, showing the handles in extended position and
15 one of them shown in broken lines as folded; Fig. 2, a plan view of the outer end of one of the shanks and one of the handle ends; Fig. 3, an end view thereof; Fig. 4, a modified form of handle end.

20 This invention relates to an improvement in draw-knives, and particularly to such as are provided with handles pivotally connected with the shanks of the blade, whereby they may be folded substantially into line with the
25 blade for convenience in packing for transportation or for conveniently fitting in a tool-chest, the object of the invention being a simple arrangement of parts, whereby the handles may be easily and quickly adjusted; and the
30 invention consists in the construction as hereinafter described, and particularly recited in the claims.

In carrying out my invention I employ a blade A of usual form, with shanks B at the
35 ends, the extreme end of the shanks forming disks C, in each of which are screw-studs D. The handles, which are also of usual form, have metal ends F, which terminate in flat disks G, corresponding substantially in shape
40 to the disks C. The disks G are each formed with a slot H, through which the studs D project and on which studs the disks may be turned and have a limited degree of transverse movement. In the edge of each disk G
45 is a notch I and a shoulder J, adapted to coact with pins K, fixed in the disks C, the notches and shoulders being so arranged that when the handles are in their extended position the disks G may be moved inward, so as
50 to allow the notch I to engage with the pin

K, and when the handles are folded the shoulder J will bear against the said pins K.

Preferably and as herein shown the studs D are screw-threaded to receive clamping-nuts L, by which the disks G may be clamped
55 to the disks C and so as to readily hold the handle in either the folded or open position.

Instead of forming the notch and shoulder in the outer edge of the disks, as above described, the disk may be formed with a curved
60 slot M, as shown in Fig. 4, one end of the slot terminating in a notch I' and the other end of the slot forming a shoulder J' to coact with the pin K in the same manner as before described.
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To adjust the handles, it is only necessary to loosen the nut L and turn the handles to the desired position and then clamp them in that position by the nut, the slot H permitting
70 the disk G to slide upon the disk C to allow the pin K to be engaged with or disengaged from the notch.

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

1. In a draw-knife, the combination with a draw-knife blade having shanks terminating in disks carrying studs, of handles having slot-
80 ted ends for engagement with said disks on which they are transversely movable, means for clamping the ends to said disks, and a notch in said handle end adapted to engage with the pin in said disks, substantially as described.

2. In a draw-knife, the combination with
85 the blade thereof, having shanks terminating in disks and each having a pin mounted therein, of handles having ends united through pin-and-slot connection with said disks so as to be transversely movable thereon, said disks each
90 cut away segmentally to form notches, and shoulders to engage with said pin, and means for clamping the handle ends to the disks, substantially as described.

3. In a draw-knife, the combination with
95 the blade thereof having shanks and disks at the ends thereof, of handles having ends formed to correspond in form to the disks at the ends of the blade, slots in said handle ends through which studs extend into engagement with the
100

said shank-disks, portions of the circumference of said handle ends cut out to form notches and shoulders for engagement with a pin mounted in said shank-disks, and means
5 for clamping the handle ends to the shank-disks, substantially as described.

In testimony whereof I have signed this

specification in the presence of two subscribing witnesses.

CHARLES B. SIMMONS.

Witnesses:

CARLOS V. MASON,
JAMES D. ROWE.