(No Model.)

S. B. DAVIS.

BIT STOCK.

No. 582,413. Patented May 11, 1897.

Fig. 1.

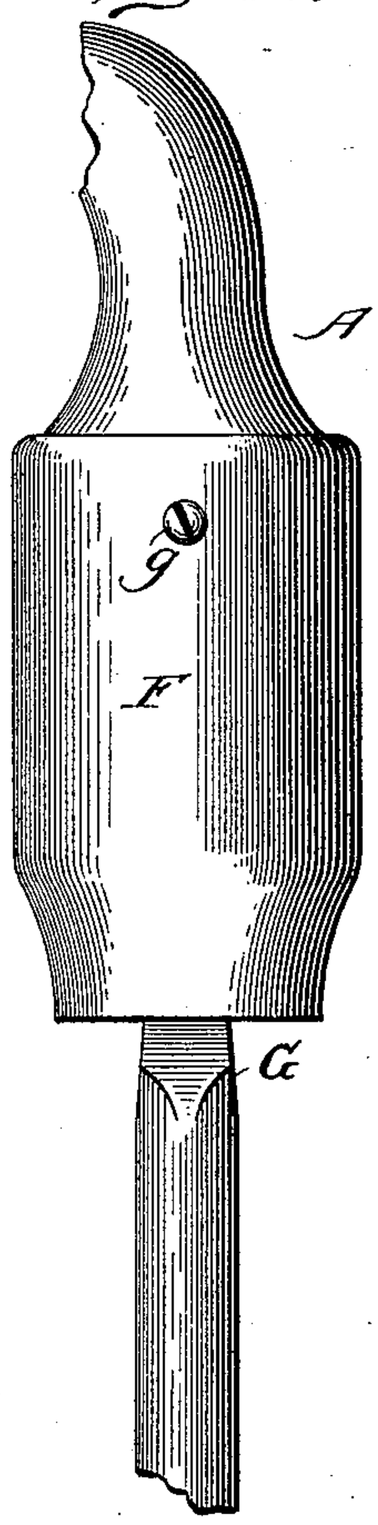


Fig. 2.

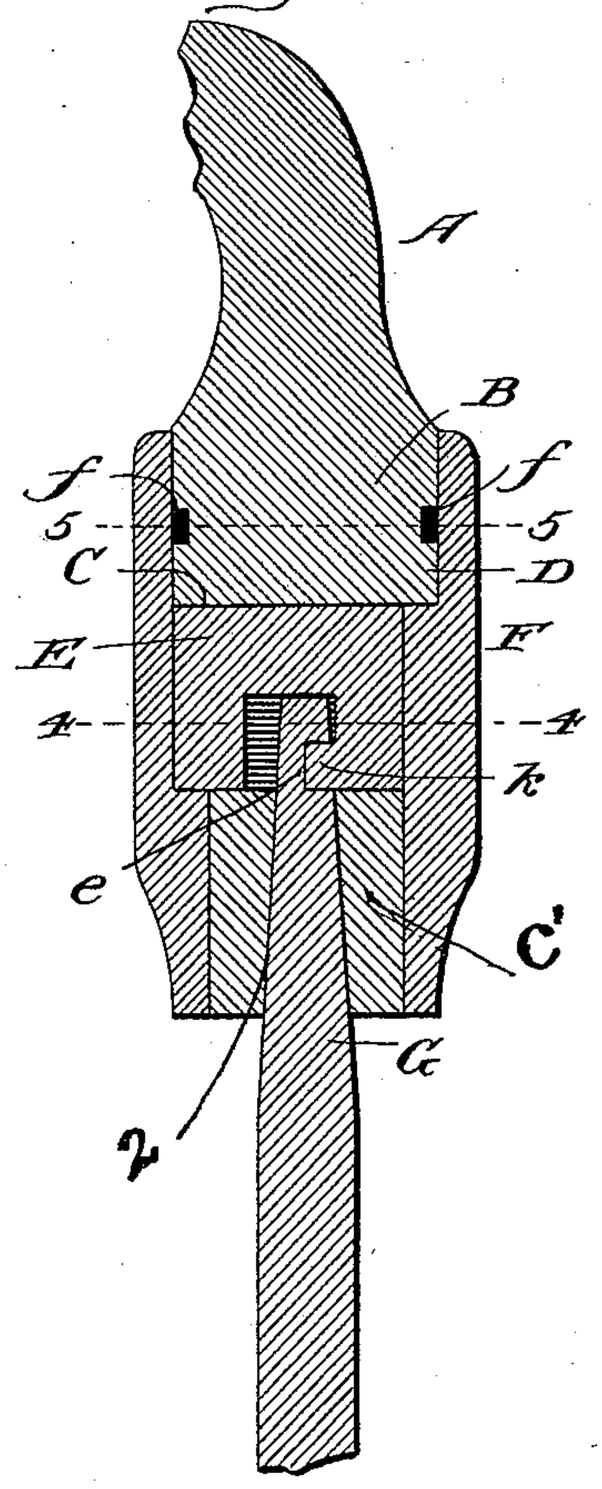


Fig. 3.

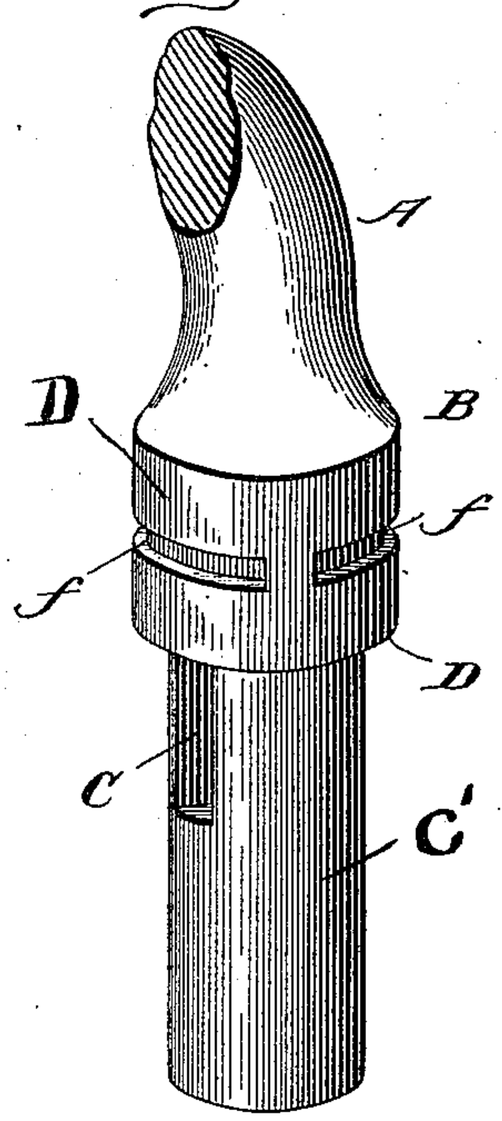


Fig. 4.

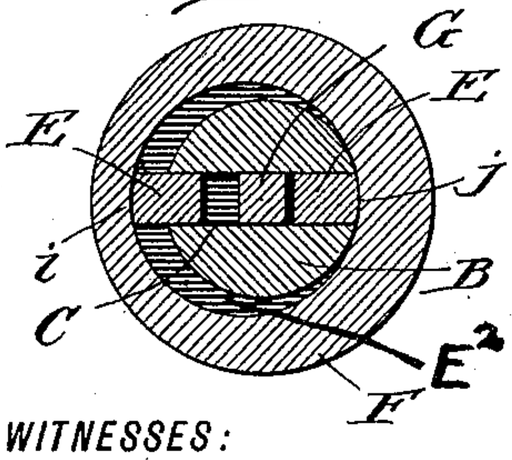


Fig. 6.

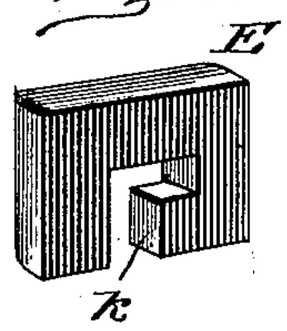
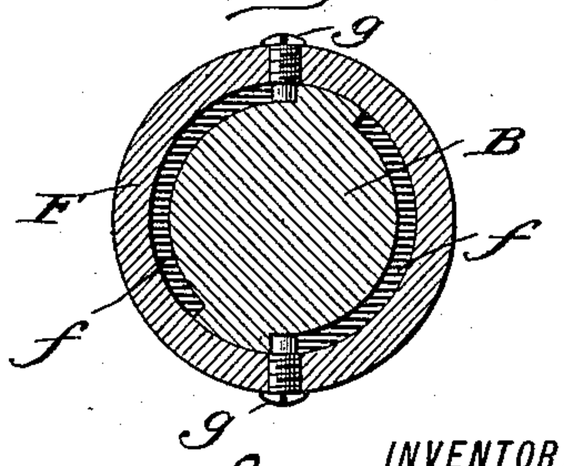


Fig. 5.



WITNESSES:

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ATTORNEYS

UNITED STATES PATENT OFFICE.

SOLOMON BENJAMIN DAVIS, OF POWHATAN POINT, OHIO, ASSIGNOR OF ONE-HALF TO GEORGE W. McMURRY, OF SAME PLACE.

BIT-STOCK.

SPECIFICATION forming part of Letters Patent No. 582,413, dated May 11, 1897.

Application filed June 6, 1896. Serial No. 594,571. (No model.)

To all whom it may concern:

Be it known that I, SOLOMON BENJAMIN DAVIS, of Powhatan Point, in the county of Belmont and State of Ohio, have invented a Bit-Stock, of which the following is a specification.

The present invention relates to an improved mode of securing bits in joiners' braces; and with this object in view the invention consists of the details of construction and arrangement which will more fully appear hereinafter.

In the accompanying drawings, which form a part of this application, Figure 1 is a side elevation of the head of my bit-stock. Fig. 2 is a vertical longitudinal view showing the bit locked. Fig. 3 is a perspective view of the head, showing the grooves and slot. Fig. 4 is a cross-section on line 4 4 of Fig. 2. Fig. 5 is a cross-section on line 5 5 of Fig. 2. Fig. 6 is a detail of the latch-catch E.

Like numerals and letters of reference indicate corresponding parts in the several views.

Referring to the drawings, A is a portion of a bit-stock, and B is the head, carrying the holding mechanism. The said head B has two cylindrical portions C′ and D, respectively, the diameter of C′ being considerably smaller than the diameter of D. The cylindrical portion C′ has the slot C, situated therein, the said slot having the lock-catch E, situated therein. The said catch E is substantially rectangular-shaped, and a portion of the said catch is cut away, so as to form a bolt *k*, which fits into the notch *e* of the bit-head G. The said catch is operated back and forth in the slot C by the turning of the sleeve F, thus causing the said bolt *k* to be thrown in and out of the notch *e*, situated in the bit-head G.

Slots *f* are situated in the cylindrical portion D for the reception of the screws *g*, which prevent the head B from slipping out of the sleeve F and at the same time allowing the said sleeve to be actuated, so as to lock and unlock the bit-head G. The tubular sleeve F fits over the head B, said sleeve having the screws *g* therein, the ends of which project into the slots F.

A bit-socket 2 is situated in the part C′ for the insertion of the bit-head G. The sleeve F has an eccentric bore E^2, by means of which the said latch-bolt is operated, the said sleeve being turned in one direction or the other when it is desired to lock or unlock the said sliding bolt, the sides of the said bore coming in contact with the sides of the lock-catch E.

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

In the herein-described fastener for bit-stocks, a head having two cylindrical portions, C′, and D, grooves, *f*, situated in cylindrical portion, D, screws, *g*, engaging said grooves, a slot, C, situated in the cylindrical portion, C′, the catch, E, situated within said slot, a sleeve, F, said sleeve having two concentric portions fitting said portion, C′ and D, and intermediate eccentrically-bored portion, whose internal diameter is equal to the length of the bolt, E, and thereby moves the bolt, E, transversely of the head in the slot, C, as the sleeve, F, is revolved, a bit-socket situated in the portion, C′, a bit-head inserted in the said bit-socket and engaging with the said catch, E, substantially as set forth and shown.

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

SOLOMON BENJAMIN DAVIS.

Witnesses:

CHALMER TRIMBLE,

WILLIAM BRILL.