

T. C. BALL.
Scythe Fastening.

No. 11,983.

Patented Nov. 21, 1854.

Fig: 3.

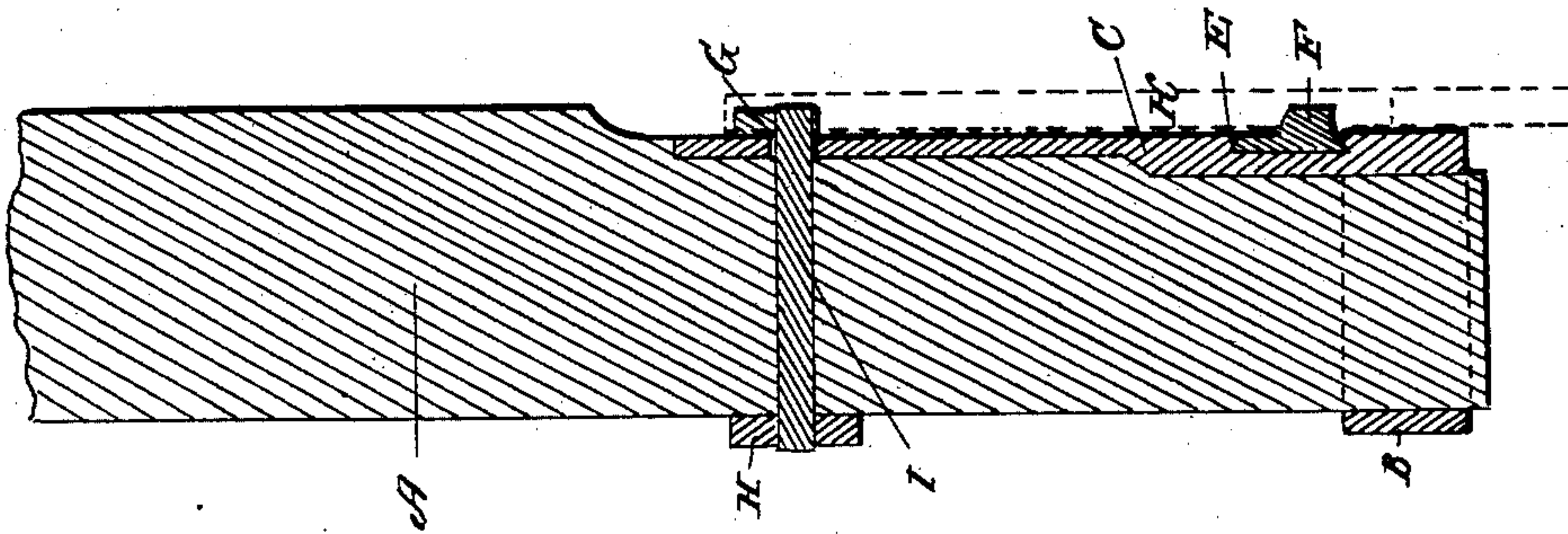


Fig: 2.

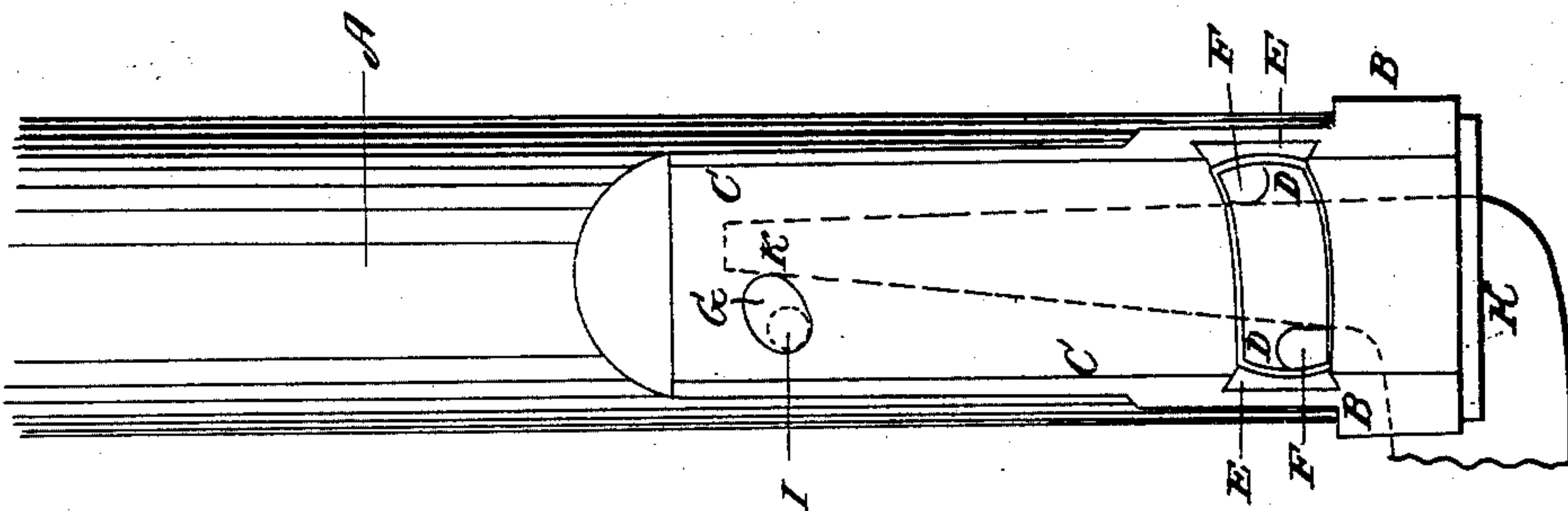
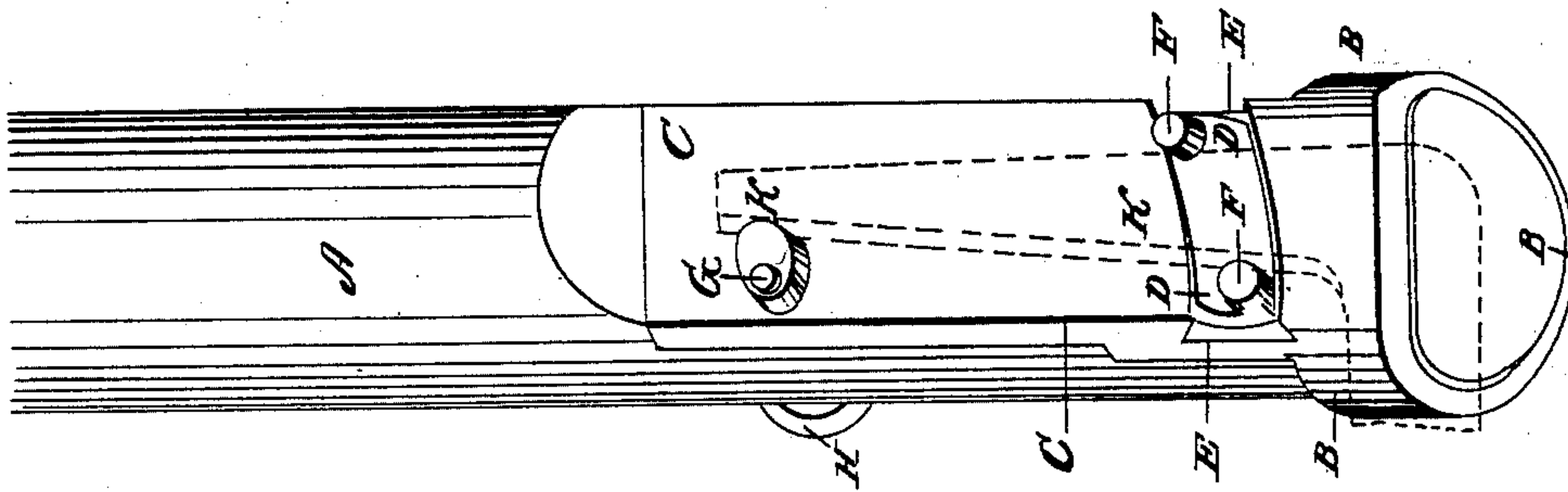


Fig: 1.



Inventor:

Thos. C. Ball.

Witnesses:

Lebular W. Field.
Guy H. Hubbard.

UNITED STATES PATENT OFFICE.

THOMAS C. BALL, OF SHELBURNE, MASSACHUSETTS, ASSIGNOR TO
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IMPROVEMENT IN SCYTHE-FASTENINGS.

Specification forming part of Letters Patent No. **11,983**, dated November 21, 1854.

To all whom it may concern:

Be it known that I, THOMAS C. BALL, of Shelburne, county of Franklin, State of Massachusetts, have invented a new and improved mode of securing scythes upon their snaths for the purpose of using the same, and which I denominate an "Improved Scythe-Fastening;" and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon—

Figure 1 being a perspective view, Fig. 2, a longitudinal elevation, and Fig. 3 a transverse section, of a portion of the snath with the fastening attached thereto.

A represents the snath. B is a band or ferule, of iron or other suitable metal, having an extension-plate, C, extended longitudinally upon the face of the snath A. Through the flattened face of this extension-plate C there is formed laterally a dovetailed recess or groove, E, describing the arc of a circle having its center at or near the center, (shown at G.) To this recess E is fitted a slide, D, having upon its outer face and firmly connected by the plate of the slide D two projections, F F, at such distances apart from each other as to allow the introduction of the shank of the scythe K between them, and also at such different distances from the center at G as to form separate and opposing fulcrums or bearings, between which the shank of the scythe K may rest.

G is a cam or eccentric fixed upon the axis I, which passes through the snath and is secured within the thumb-wheel H, by means of which the cam G is made to revolve.

The mode of using or operating the fastening is as follows: The shank K being placed between the fulcrums F F, the slide D is placed in any position within the arc described by the recess E which may be desired to cause the point of the scythe to remain at a greater or less distance from the operator. The thumb-wheel H is then turned, thereby causing the cam G to revolve, and its greater diameter being extended against the shank, as at *k*, a leverage is produced by the shank K between the fulcrums F F, thereby firmly securing the shank between the fulcrums, and also by the said leverage securing the slide D in its position within the recess E, thus firmly securing the scythe to the snath, to which the fastening is attached.

I do not confine myself to the use of a cam, nor to the precise form or arrangement of the several parts as herein set forth, but shall vary the same while I attain the same end by the several parts, as herein described, or their mechanical equivalents.

I do not claim the using of a cam or eccentric for confining a scythe, nor the band and extension-plate attached; but

What I do claim as my invention, and desire to secure by Letters Patent, is—

The slide D, with its fulcrums F F and its corresponding recess, E, in connection with the leverage of the shank K, substantially as set forth.

THOS. C. BALL.

Witnesses:

ZEBULON W. FIELD,
GUY H. HUBBARD.