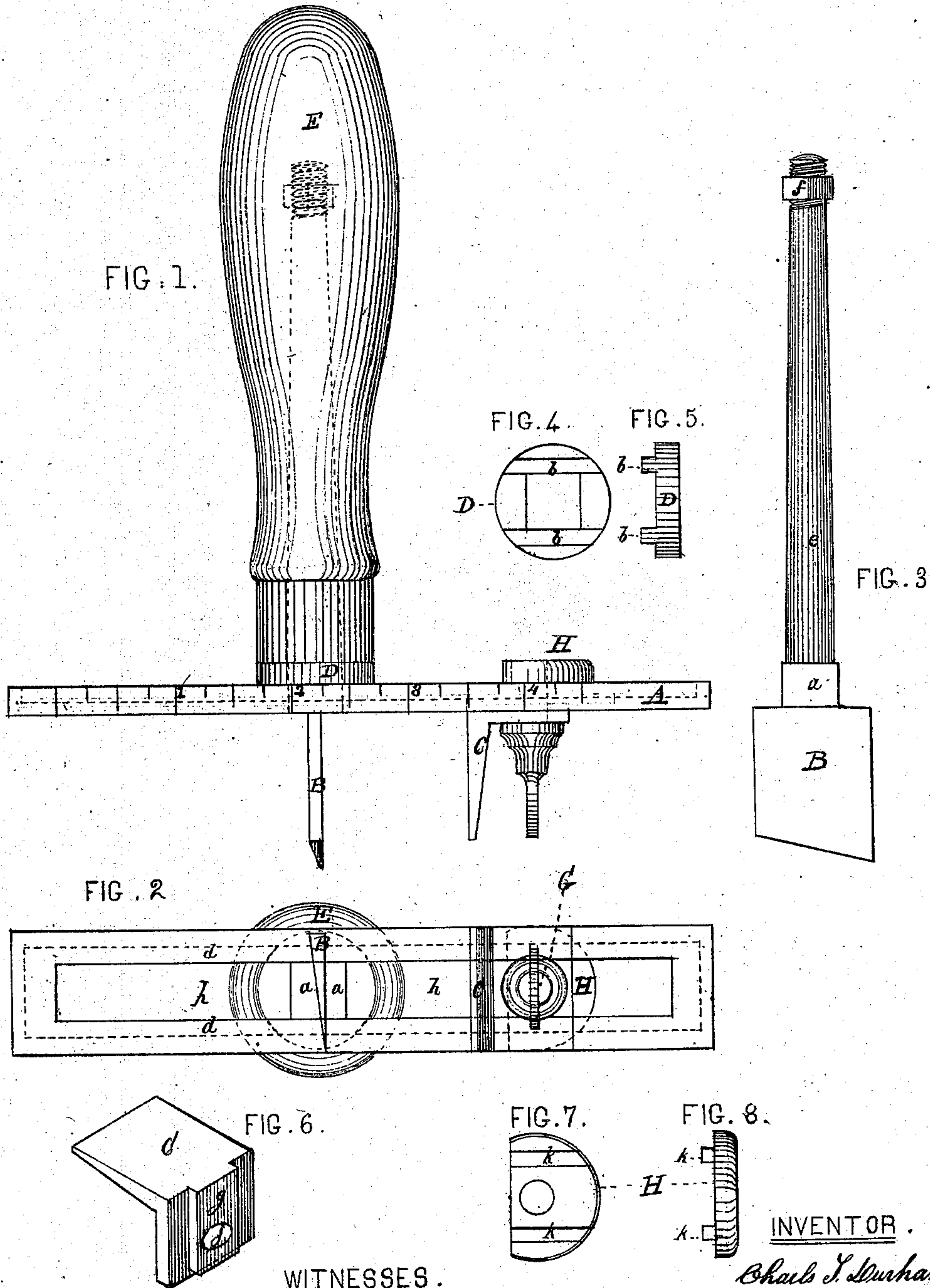


DURHAM, WOOD & HAIR.
GAGE KNIFE FOR CUTTING LEATHER.

No. 104,436.

Patented June 21, 1870



WITNESSES.

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Thomas J. Bewley

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CHARLES T. DURHAM, JAMES WOOD, AND THEODORE HAIR, OF NORRISTOWN, PENNSYLVANIA.

Letters Patent No. 104,436, dated June 21, 1870.

IMPROVED GAUGE-KNIFE FOR CUTTING LEATHER.

The Schedule referred to in these Letters Patent and making part of the same.

We, CHARLES T. DURHAM, JAMES WOOD, and THEODORE HAIR, of Norristown, in the county of Montgomery and State of Pennsylvania, have invented certain Improvements in Gauge-Knives for Cutting Leather, of which the following is a specification.

The nature of our invention consists of a slotted stock and knife, and guide adjustable therein, the knife having a handle constructed with its shank for tightening it to the stock in any adjusted position, as hereinafter described.

To enable others skilled in the art to which our improvement appertains to make and use our invention, we will now give a detailed description thereof.

Figure 1 is a plan of the improved tool.

Figure 2 is a front view of the same.

Figure 3 is a side view of the knife B.

Figures 4 and 5 are face and edge views of the knife sliding ferrule D.

Figure 6 is an isometrical view of the adjustable guide F.

Figures 7 and 8 are face and edge views of the sliding nut H.

Like letters in all the figures indicate the same parts.

A is a slotted stock for holding the knife B and adjustable guide C.

The knife is shown in detail in fig. 3.

The square *a* of its shank is provided with a ferrule, D, which has ribs, *b*, fitting in the rebate *d* of the stock A, as seen by dotted lines in fig. 2, so as to make the knife adjustable in any part of the stock, whereby the latter may be equally balanced in cutting narrow strips of leather, thus overcoming the difficulty usually experienced by having the knife stationary.

The ferrule is shown in detail in figs. 4 and 5.

The round part *e* of the knife-shank is provided with a nut, *f*, which is made fast in the handle E, as represented by dotted lines in fig. 1, so that, by taking hold of the handle with one hand and the stock with the other, the knife may be loosened for adjustment at any part of the stock A, and then secured by a reversed motion of the hand.

The adjustable guide C has a slide, *g*, seen in fig. 6, that fits in the slot *h* of the stock A, so as to make the guide adjustable at any point desired.

G is a thumb-screw, which passes through the hole *j* of the guide, and is secured by means of the sliding nut H, whose ribs, *k k*, seen in figs. 7 and 8, fit in the rebate *d* of the stock A.

There is a dial on the top edge of the stock A to render the adjustment of the guide expeditious for the cutting of any desired width of strips.

What we claim as new, and desire to secure by Letters Patent, is—

The combination of the adjustable knife B, having a tightening-handle, E, adjustable guide F, and slotted stock A, the several parts being constructed and arranged for joint operation, substantially in the manner and for the purpose set forth.

In testimony that the above is our invention, we have hereunto set our hands and affixed our seals this 12th day of May, 1870.

CHARLES T. DURHAM. [SEAL.]
JAMES WOOD. [SEAL.]
THEODORE HAIR. [SEAL.]

Witnesses:

THOMAS J. BEWLEY,
STEPHEN USTICK.