

J. H. TAYS.
 Draw-Gage.

No. 205,316.

Patented June 25, 1878.

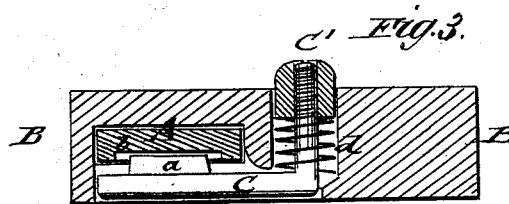
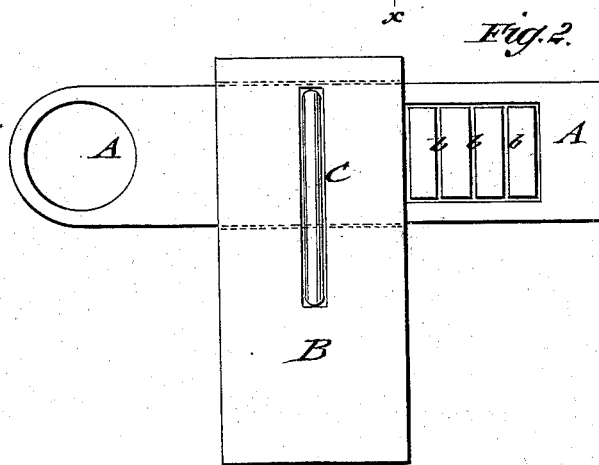
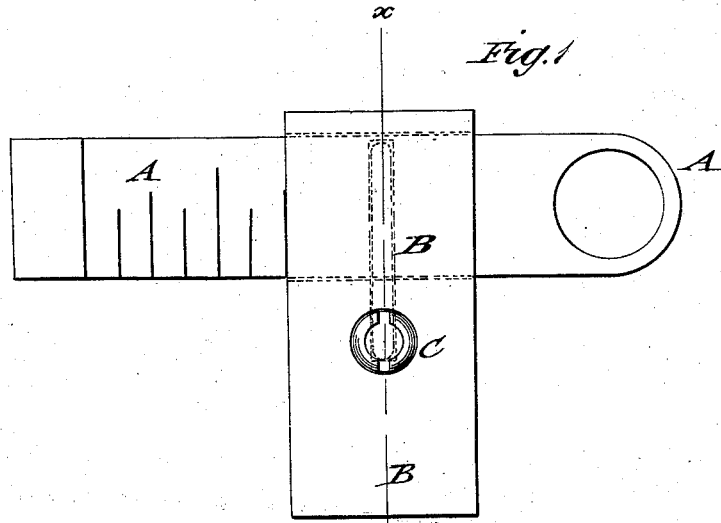


Fig. 4.



WITNESSES:

Francis. McOrde.
C. Sedgwick

INVENTOR:

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UNITED STATES PATENT OFFICE.

JOHN H. TAYS, OF NEW BRAUNFELS, TEXAS.

IMPROVEMENT IN DRAW-GAGES.

Specification forming part of Letters Patent No. **205,316**, dated June 25, 1878; application filed April 9, 1878.

To all whom it may concern:

Be it known that I, JOHN H. TAYS, of New Braunfels, in the county of Comal and State of Texas, have invented a new and Improved Draw-Gage, of which the following is a specification:

In the accompanying drawings, Figure 1 represents a top view, Fig. 2 a bottom view, and Fig. 3 a vertical transverse section on line *x x*, Fig. 1, of my improved draw-gage; and Fig. 4 is a detail vertical transverse section through the spring-catch piece.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish, for the purpose of cutting leather straps of any desired width, an improved draw-gage, that may be adjusted in a convenient manner to any required width without being liable to slip, as in the common draw-gages; and the invention consists of a graduated knife-bar, having bottom grooves, and of a sliding gage-piece and angular spring-catch piece, that by a projecting catch locks into the grooves of the knife-bar, and is released by pressing on the head of the catch-piece.

Referring to the drawings, A represents the graduated knife-bar, which is provided with a handle-end at one side and with the usual cutting-knife projecting at right angles thereto. B is a sliding gage-piece, that is guided by a recess at right angles to the knife-bar, and is adjusted thereon by a spring-catch piece, C, of angular shape, that is set into a corresponding recess of the gage, and provided with a projecting head, C', and at the lower part with a wedge-shaped catch, *a*, that

enters into bottom grooves *b* of the knife-bar, so as to rigidly lock the gage thereto. By pressing with the finger on the projecting head of the catch-piece the catch is withdrawn from the groove of the knife-bar, so that the same may be adjusted to the required width of the strap in the gage and locked rigidly again as soon as the pressure on the catch-piece is removed. A spiral spring, *d*, is interposed between the head of the catch-piece and the lower angular part of the same, so as to return it into locked position and keep up the reliable connection of the knife-bar and gage. The gage is thereby not liable to slip, as in the common draw-gages, in which thumb-screws are employed, which require pliers to set the gage firmly on the knife-bar.

The convenience of adjustment and reliable locking of the parts form, therefore, the essential features of my improved draw-gage.

The knife-bar being grooved on the under side of the same, the grooves cannot be filled up and clogged by the loose material on the flesh side of the leather, and, being smooth on the side bearing with the heaviest strain on the handle, the slot in which it works will receive but little wear.

What I claim is—

A draw-gage having a knife-bar grooved on its under side and smooth on its other sides, in combination with the angular spring catch C, as and for the purpose specified.

JOHN HENRY TAYS.

Witnesses:

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