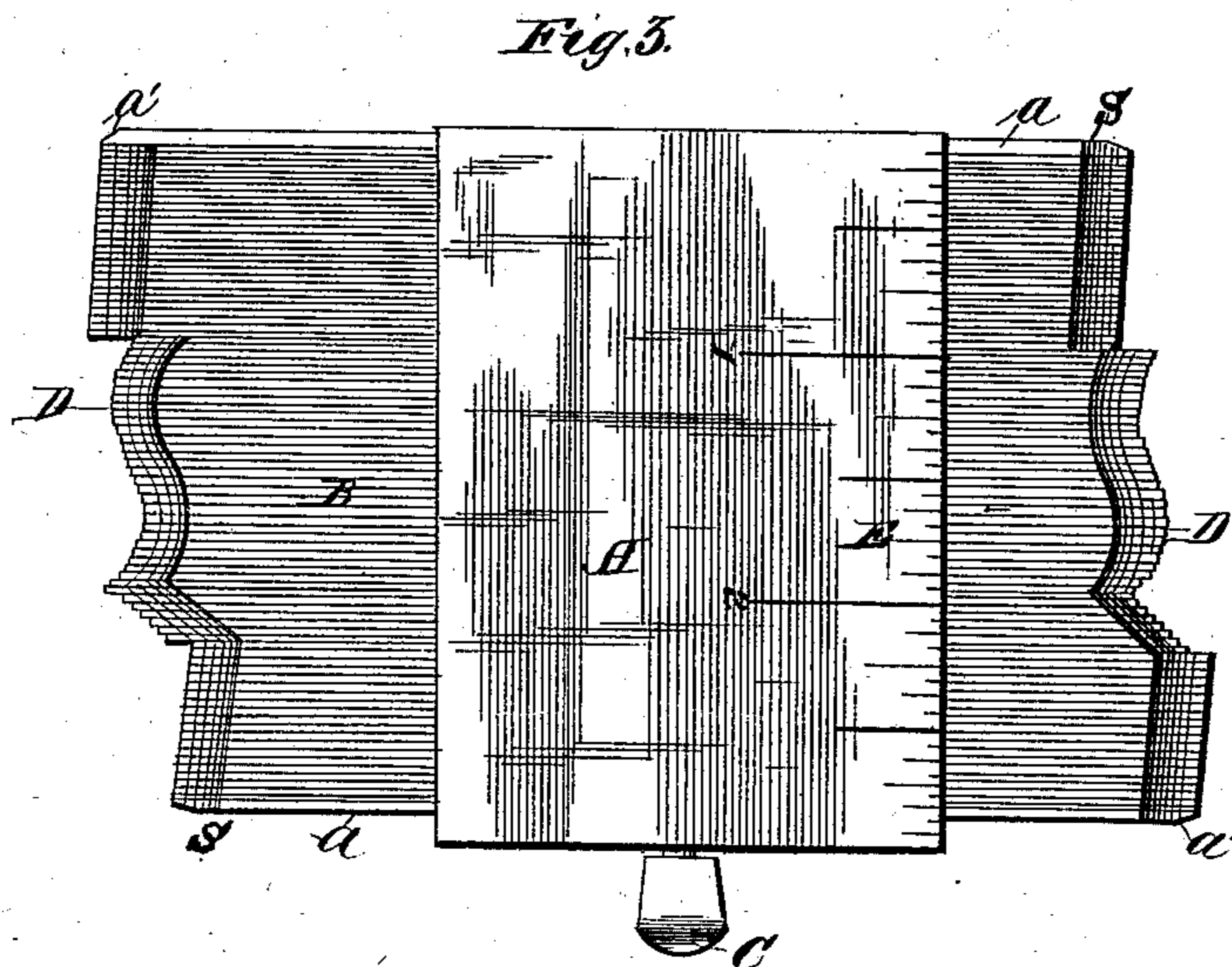
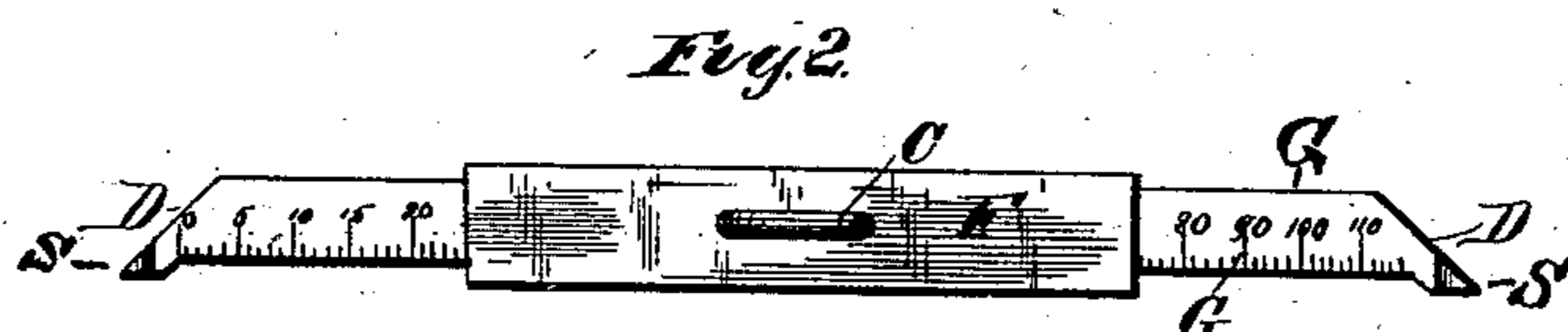
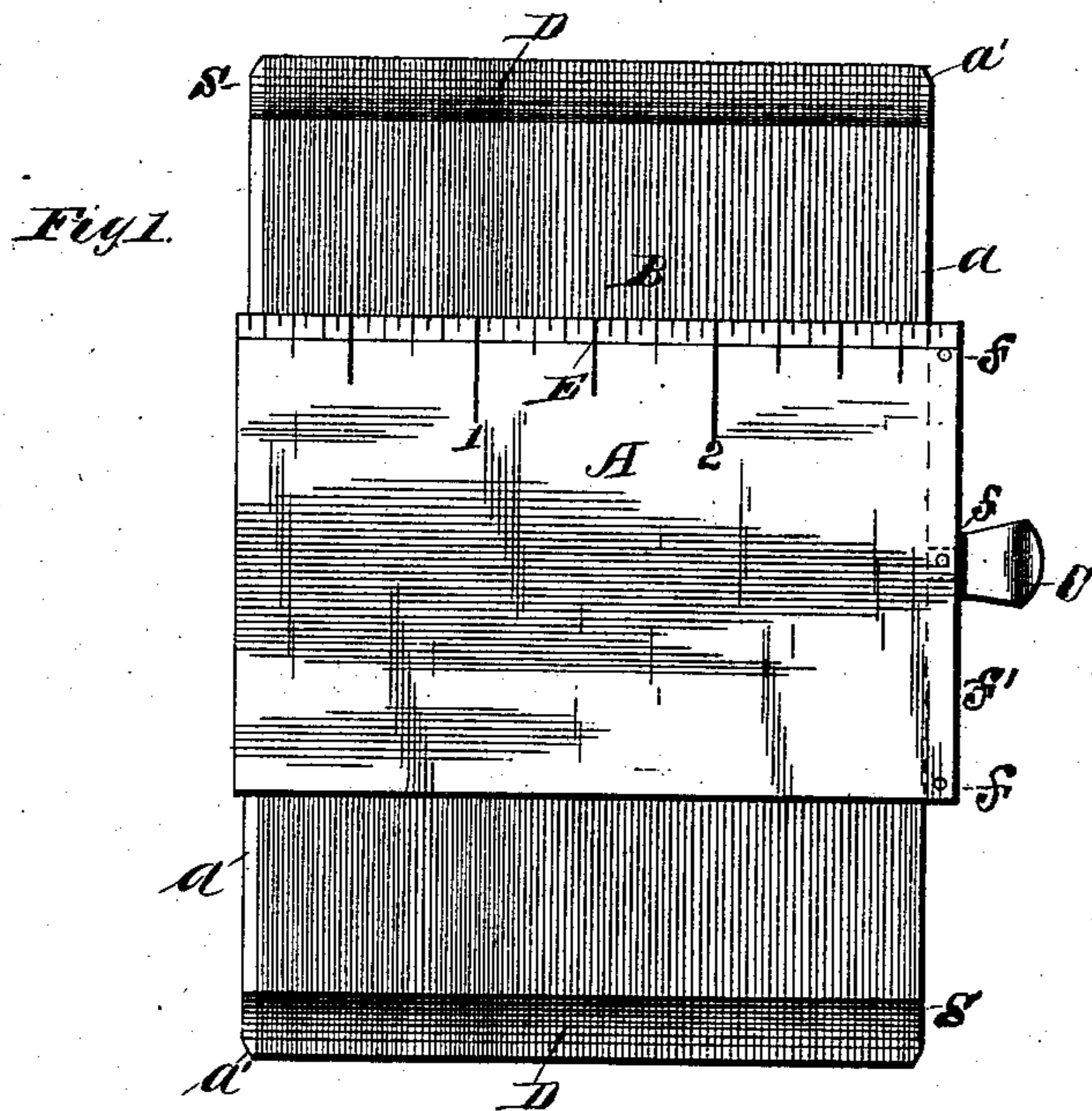


(No Model.)

H. C. BARKER.
CONTOUR GAGE AND TOOL.

No. 255,130.

Patented Mar. 21, 1882.



WITNESSES

Thos. L. Dietrich
W. E. Barren

INVENTOR

Henry C. Barker
By Myers & Co.
Attorneys

UNITED STATES PATENT OFFICE.

HENRY C. BARKER, OF SEDALIA, ASSIGNOR TO THOS. T. CLIFFORD, OF
PETTIS COUNTY, MISSOURI.

CONTOUR GAGE AND TOOL.

SPECIFICATION forming part of Letters Patent No. 255,130, dated March 21, 1882.

Application filed August 4, 1881. (No model.)

To all whom it may concern:

Be it known that I, HENRY C. BARKER, of Sedalia, in the county of Pettis and State of Missouri, have invented certain new and useful Improvements in Contour Lathe-Tools; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

My invention relates to an improvement in contour lathe-tools employed for delineating or cutting the outline or periphery of any figure; and it consists in the frame A, adapted for retaining the strips in position, strips B, provided with shoulders S S, rigid strips *a a*, beveled at D D, thumb-screw C, for securing the thin and rigid strips alike, scale of degrees G, measurement-scale E; in the thin and rigid strips B, whose ends respectively are beveled blades, in the shoulders S S to prevent accidental removal of the strips from the frame, in the application of a single thumb-screw in connection with rigid beveled strips *a a* for rigidly securing such strips in position; and in the peculiar construction, combination, and arrangement of the parts, as hereinafter more fully shown and described.

In the drawings, Figure 1 is a side elevation. Fig. 2 is an end view. Fig. 3 is a side elevation, showing adaptation of the strips to a specific exterior or contour.

A represents the rectangular frame of my device, adapted, as to size and form, for reception of the strips B and rigid strips *a a*, the side plate, *f'*, being secured by screws *ff*, and it is provided on either side with the measurement-scale E. Through side plate, *f'*, projects thumb-screw C for compressing and holding rigidly in position the strips B and *a a*. It has its bearings in a female screw provided in plate *f'*, and it is designed, in connection with the rigid strips *a a*, for compressing and holding rigidly in position the contour-strips B. The metallic strips B are made of very thin metal, and are provided at their ends with shoulders S S, to prevent their accidental removal from the frame, and they are beveled at D D, and their respective points unitedly form a cutting

knife or tool. On the outside of these strips are located the rigid strips *a a*, which are made much thicker than the thin intermediate strips, B; and hence they are unyielding when the interior strips in practice are compressed by thumb-screw C, and therefore hold the intermediate strips in position. By this construction of the rigid strips I avoid the necessity of employing two or more thumb-screws located near either end of the strips. These rigid strips are each provided with a scale of degrees, G, to facilitate adjustment of the strips collectively to any required angle antecedent to using the device as a lathe-tool strictly. The intermediate strips, B, are made of very thin metal, the more accurately to accomplish the intended purpose, and the shoulders S S, provided thereon, are, in connection with the frame A, an ample safeguard against their loss or removal, whereby a source of great annoyance is avoided in practice.

In practice the ends of the metallic strips on one side are placed against the periphery of the object whose contour it is designed to reproduce, and the strips are then manipulated until the precise contour is obtained, and then they are secured rigidly in position by means of the thumb-screw C.

I am aware that sharpened strips of metal rigidly secured have been employed as a contour lathe-tool; but in my invention the construction of the frame for holding such strips, the method of securing them uniformly and rigidly in place with a single thumb-screw, the shoulders S S, for preventing their displacement and loss, and the scale for taking the degrees of measurement, are deemed a valuable improvement thereon.

What I claim is—

In a contour lathe-tool, the combination of the frame A, thumb-screw C, rigid strips *a a*, and strips B, having shoulders S, substantially as shown, and for the purpose described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

HENRY C. BARKER.

Witnesses:

WM. HELMICK,
T. T. CLIFFORD.