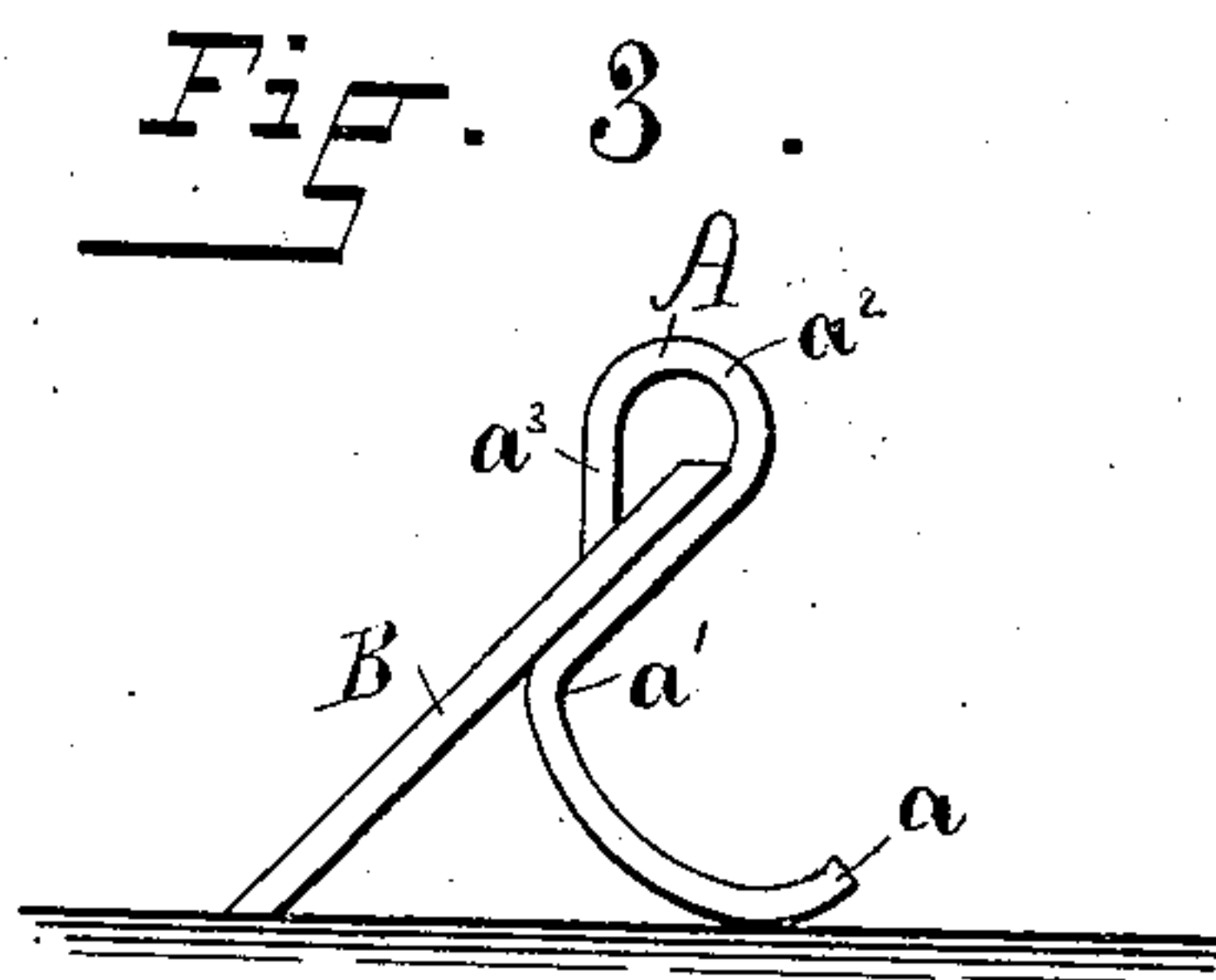
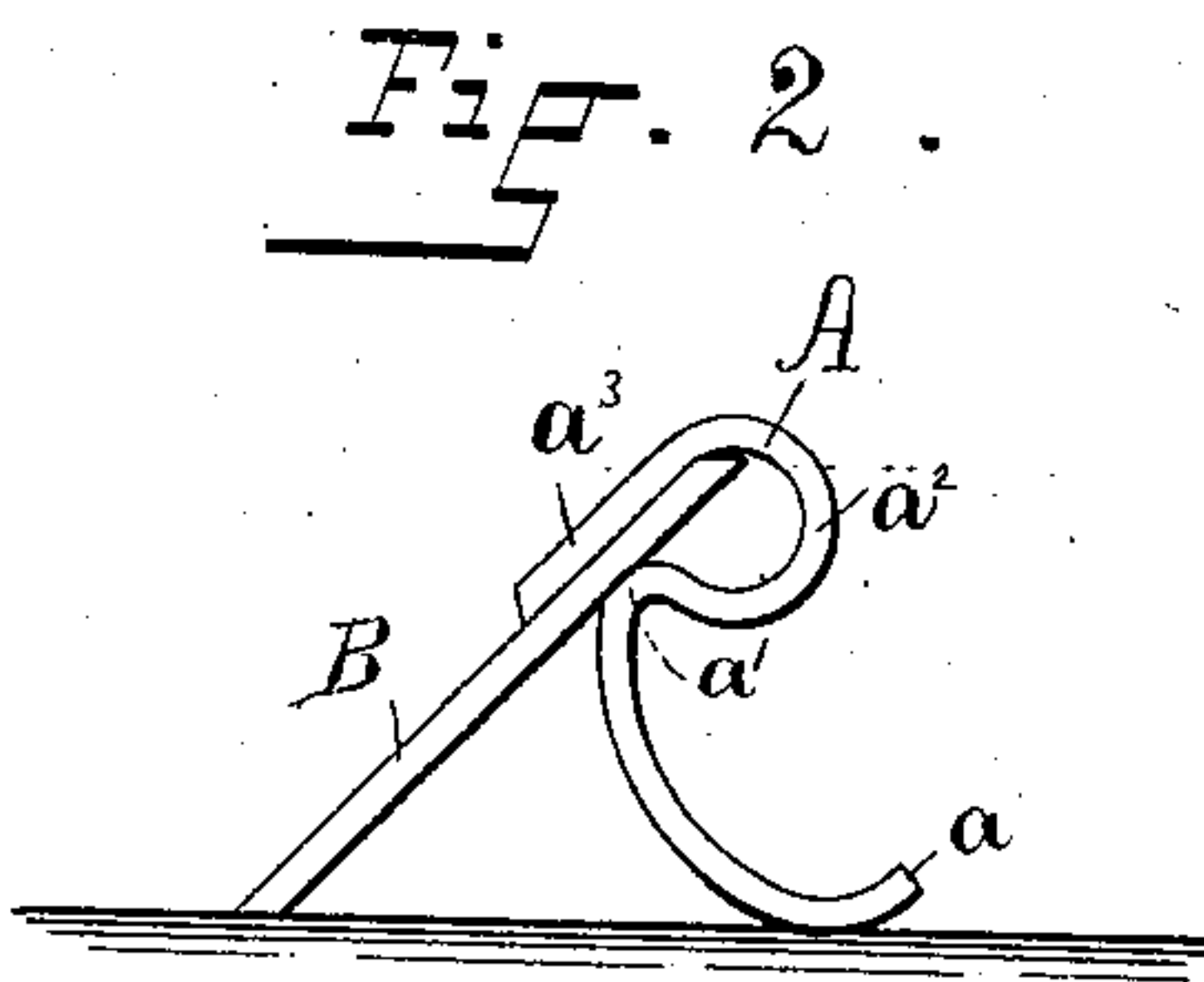
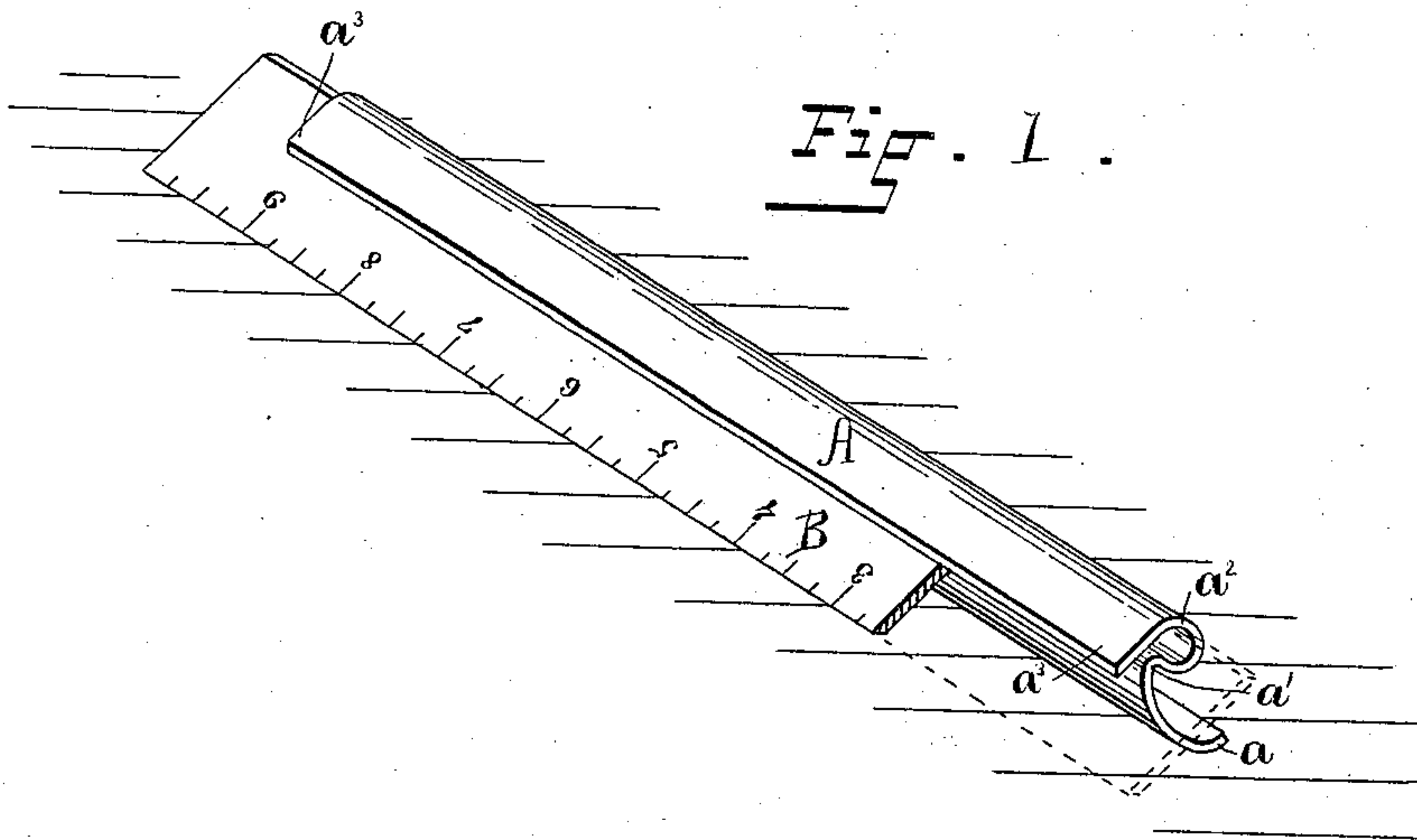


(No Model.)

C. A. SMITH.
SCALE AND RULE HOLDER.

No. 332,958.

Patented Dec. 22, 1885.



WITNESSES:

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UNITED STATES PATENT OFFICE.

CHARLES A. SMITH, OF PAWTUCKET, RHODE ISLAND.

SCALE AND RULE HOLDER.

SPECIFICATION forming part of Letters Patent No. 332,958, dated December 22, 1885.

Application filed September 9, 1885. Serial No. 176,564. (No model.)

To all whom it may concern:

Be it known that I, CHARLES A. SMITH, of Pawtucket, in the county of Providence and State of Rhode Island, have invented certain
5 new and useful Improvements in Scale and Rule Holders, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

10 This invention pertains to an improved holder designed to hold or clamp a rule, scale, and such like articles, which in themselves are necessarily awkward to manipulate, and to so adjust them as to gain the best light on the
15 scaled surface and to afford convenient handling of the same.

The nature of the device is a strip of sheet metal or other suitable material flexed upon itself longitudinally to make of it a spring-
20 clamp for its entire length, and to allow one flange to come over on the face or front of the object held, and the other flange to project rearward and form a rest or rigid support for said object, as hereinafter fully set forth.

25 Figure 1 represents a perspective view of my improved holder clamping a portion of a scale adjusted for use. Fig. 2 represents a cross-section view of the same. Fig. 3 represents a cross-section view of the holder and
30 scale, and shows a modified form of the former.

In the drawings, A designates the entire

holder, made of sheet metal bent upon itself longitudinally, forwardly convexly, and rearwardly concavely to form a spring-clamp 35 between the front or clamp flange, a^3 , and the bend or fold a' , the spring force of which is derived from the loop or rounded portion a^2 .

a designates the back or support flange, forming a support or rest for the device when 40 adjusted with a scale or rule, B, for use.

I make various modifications in the bends or flexures of my device for the purpose of affording a stronger spring to the clamp, or in order to vary the angle of the face of the 45 scale as it may be desired.

I desire to make no specified claim as to material or form, but broadly claim as a new and useful device in a holder for scales, rules, and the like— 50

1. A strip longitudinally flexed forwardly convexly, rearwardly concavely, forming, respectively, a clamp-flange adapted to clamp and rest on the rule, and a support-flange adapted to adjust the face-angle of said rule, 55 as specified.

2. The strip A, flexed, as described, to form a clamp-flange, a^3 , a loop, a^2 , a bend, a' , and a support-flange, a , for the purpose described.

CHARLES A. SMITH.

Witnesses:

M. F. BLIGH,
J. A. MILLER, Jr.