

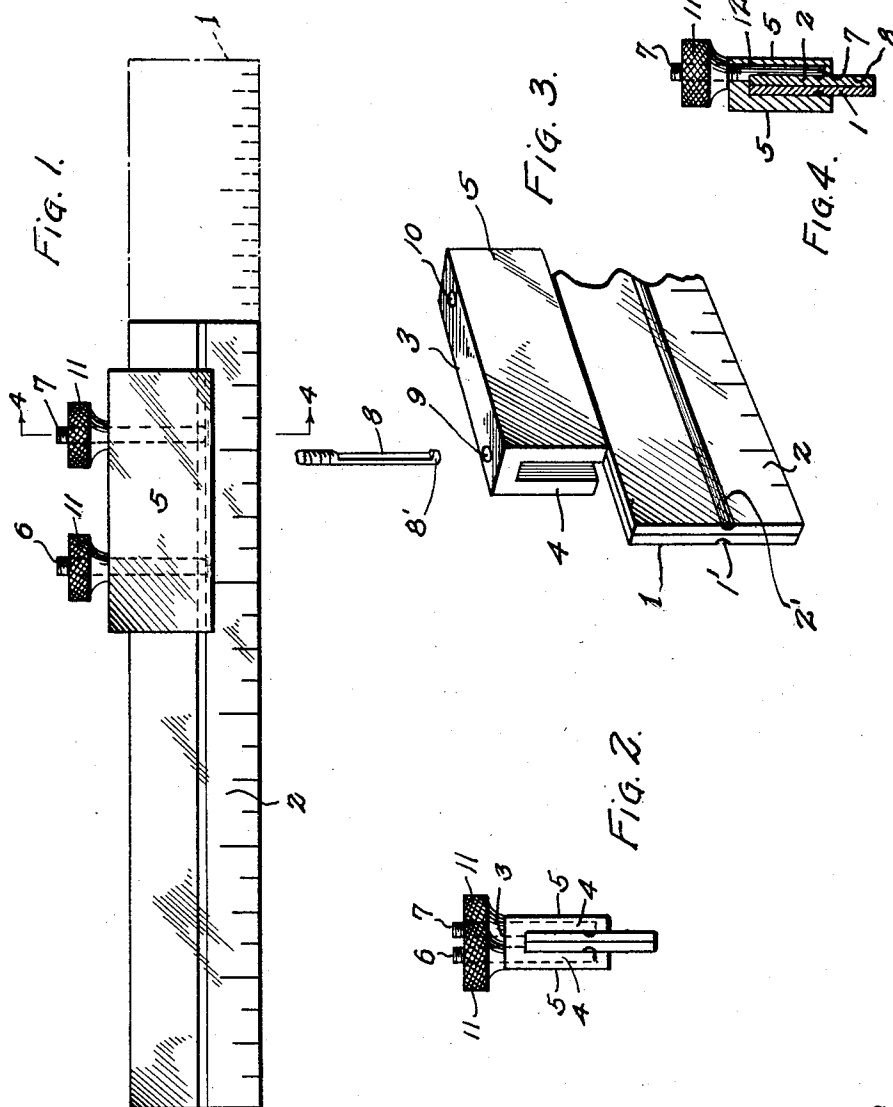
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SCALE

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SCALE

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This invention relates to a device for clamping independent scale members together to permit their use as an adjustable unit.

5 More specifically, the invention contemplates a body in the form of a guide member in which the scales are positioned and clamping means for clamping the scales individually, whereby separate adjustment of
10 same may be attained.

Other features of the present invention will be noted by reference to the accompanying drawing forming a part of this specification and wherein like characters of reference
15 designate corresponding parts throughout the several views, in which:

Fig. 1 is a side elevation;

Fig. 2 is an end view;

20 Fig. 3 is a fragmentary perspective showing the parts in position for assembling; and
Fig. 4 is a section on line 4—4 of Fig. 1.

Referring now to the drawing, reference numerals 1 and 2 indicate conventional scales which are usually constructed in one foot or
25 two foot lengths or decimals thereof. Each scale is formed on its outer face with longitudinally centrally positioned grooves 1' and 2' for engagement with the off-set extremities of the securing means, as hereinafter described.
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The holder is in the form of an elongated body 3 of U-shaped cross-section, the walls 4 and 5 acting as guides for the scales 1 and 2, as shown clearly in Fig. 2. The length of
35 the member 3 may best be determined by the type and length of the scales in connection with which the assembly is to be utilized.

For clamping the scales in their adjusted positions screws 6 and 7 are provided. The
40 screws 6 and 7 are threaded at one extremity and are cut away as at 8 for a portion of their length to form seats for the scales 1 and 2, and projections 8' for engaging the grooves 1' and 2'. When in position the
45 screws 6 and 7 extend through perforations 9 and 10 formed in the base of the U-shaped body. Thumb nuts 11 are utilized for locking the parts together. The perforations 9 and 10 formed in the U-shaped body are positioned at opposite sides and at opposite ends
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and at such points that a continuation of these perforations forms grooves 12 in the inner faces of the wall members 4 and 5 of such a depth as to accommodate those portions of the screw shanks remaining from
55 forming the seat 8.

From the foregoing it will be seen that when it is desired to use two scales as a unit for the purpose of securing the increased
60 length, the screws are first positioned within the grooves 12 and with the projections 8' turned inwardly towards the central passage between the walls 4 and 5. The scale members 1 and 2 are then positioned with
65 the grooves 1' and 2' facing outwardly and in register with the projections 8' permitting the scale members to be slid between the walls 4 and 5. When the scale members are properly positioned with the projections engaging
70 the groove, they may then be adjusted relatively to one another as indicated in dotted lines in Fig. 1, and secured in this adjusted position by tightening of the thumb nut 11.

What I claim as new and useful and desire to secure by Letters Patent of the
75 United States is:

1. A scale holder comprising a U-shaped body formed with staggered perforations at its intermediate portion and slots formed in
80 the opposite inner wall faces merging with said perforations, hook members extending through said perforations and seating in said slots, the outer faces of the hook members being flush with the inner wall faces of said
85 U-shaped member, scale members formed with longitudinally extending grooves in their outer faces and positioned between the arms of said U-shaped member, said hook members engaging the grooves in said scale
90 members, and means for clamping said hook members in fixed position.

2. A scale holder comprising a U-shaped body formed with staggered perforations at its intermediate portion and slots in the
95 opposite inner wall faces merging with said perforations, hook members extending through said perforations and having threaded outer extremities, scale members formed with longitudinally extending grooves in
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their outer faces carried by said U-shaped body member, said hook members engaging the grooves in said scale members, and thumb nuts threaded onto the threaded extremities
5 of the hook members.

3. An extensible scale comprising a U-shaped member formed with slots in its opposite inner wall faces, scale members formed with longitudinally extending grooves in
10 their outer faces and positioned between the arms of said U-shaped member, and locking means for said scale members normally positioned in the slots in the opposite inner wall faces of said U-shaped member and having
15 inwardly extending projections positioned in said longitudinally extending grooves of said scales.

In testimony whereof I affix my signature.

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TUNIS C. ARNOLD.

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