May 1, 1956 D. I. GENS 2,743,527

HEIGHT GAGE

Filed Aug. 3, 1953

Fig. 2

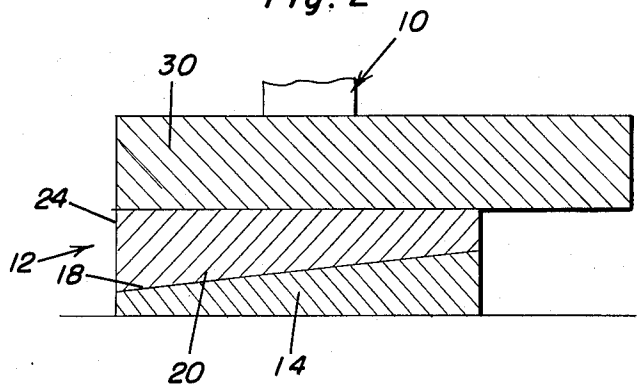
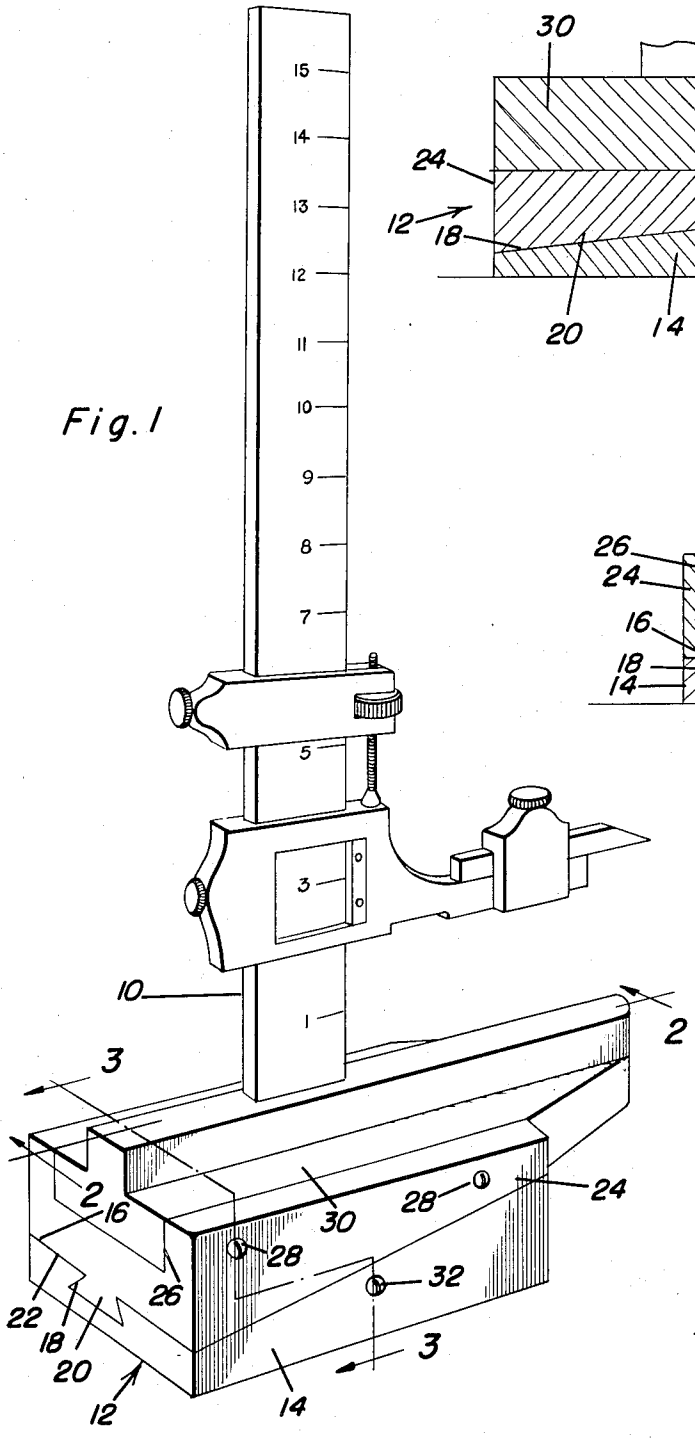


Fig. 1



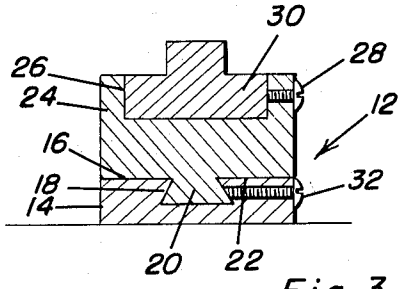


Fig. 3

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HEIGHT GAGE

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1 Claim. (Cl. 33—169)

This invention relates to new and useful improvements and structural refinements in height gages, and the principal object of the invention is to provide means whereby a conventional height gage may be quickly and easily raised or lowered with respect to its supporting surface.

The above object is achieved by the provision of a base member and a base plate which is superposed on the base member and carries the height gage thereon, the base plate and the base member having complemental, inclined surfaces in sliding contact so that when the base plate carrying the height gage is slid on the base member, the height gage is correspondingly raised or lowered.

Some of the advantages of the invention reside in its simplicity of construction, in its efficient and accurate operation, and in its adaptability for use with height gages of different sizes and types.

With the above more important objects and features in view and such other objects and features as may become apparent as this specification proceeds, the invention resides in the details of construction and operation as more fully hereinafter described and claimed, reference being had to the accompanying drawings forming a part hereof, in which:

Figure 1 is a perspective view of the invention;

Figure 2 is a vertical sectional view taken substantially in the plane of the line 2—2 in Figure 1; and

Figure 3 is a transverse sectional view, taken substantially in the plane of the line 3—3 of Figure 1.

Like characters of reference are employed to designate like parts in the specification and throughout the several views.

Referring now to the accompanying drawings in detail, the general reference character 10 designates a conventional height gage, while the invention is designated generally by the reference character 12.

The assembly 12 embodies in its construction a base

member 14 having an inclined upper surface 16 provided with a longitudinally extending, dovetailed groove 18, the latter having slidably positioned therein an elongated undercut tongue 20 which is formed on an inclined lower surface 22 of a base plate 24.

The base plate 24 is provided at the top thereof with a recess 26 in which is removably secured by suitable set screws 28, the customary bottom portion 30 of the height gage assembly.

It will be apparent from the foregoing that when the base plate 24 is slid longitudinally relative to the base member 14, the inclination of the surfaces 16, 22 will cause the base plate 24, together with the associated height gage 10, to be raised or lowered as desired.

Means are provided for locking the base plate 24 against sliding relative to the base member 14, these means consisting of a set screw 32 which is provided in the base member 14 and is engageable with the slidable tongue 20 on the base plate 24, as is best shown in Figure 3.

It is believed that the advantages and use of the invention will be clearly understood from the foregoing disclosure and, accordingly, further description thereof at this time is deemed unnecessary.

What is claimed as new is as follows:

The combination with a height gage having a horizontal flat bottom portion, of an oblong base member, an oblong base plate imposed on said base member, said base plate and base member having slidably engaged upwardly inclined bottom and top faces, respectively, for sliding adjustment of said base plate vertically on said base member, said base plate tapering in longitudinal section to provide a horizontal top thereon, said top being provided with a longitudinal horizontal recess slidably receiving said bottom portion for horizontal adjustment of said bottom portion in different vertically adjusted positions of said base plate, and dove-tail tongue and groove sliding connections between said base member and base plate for guiding said base plate in adjustment thereof.

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