Oct. 8, 1946. R. T. CONNELLY 2,409,106

SCRIBER

Filed March 17, 1944

Fig. 3

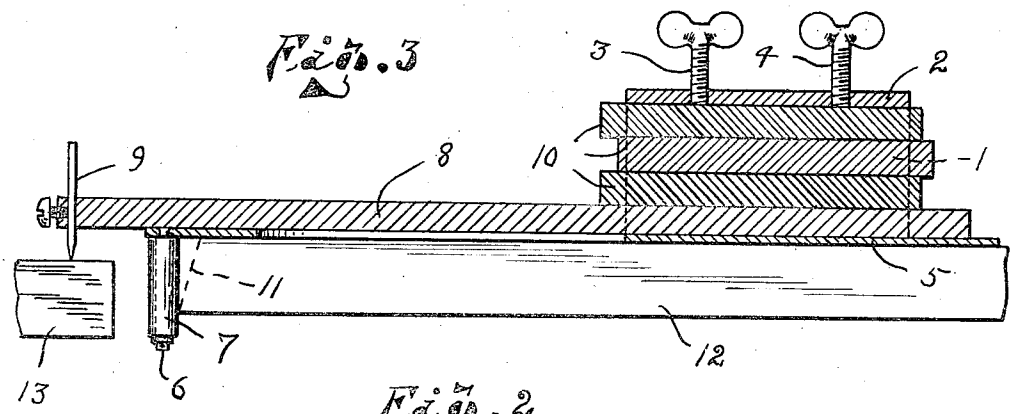


Fig. 2.

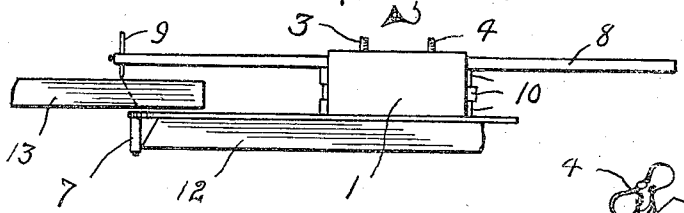


Fig. 1.

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3 Claims. (Cl. 33—41)

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This invention relates to scribers the principal object being to provide novel improvements in combination with somewhat similar instrumentalities now used for scribing and gauging linoleum or the like; the instant improvement being for the purpose of making such instrumentalities particularly practicable for use in gauging or marking steel plates and the like in the art of shipbuilding.

In this latter art it is well known that such metal plates vary a great deal in thickness and in comparison with linoleum or the like, are hard of ready manipulation for use of such common gauging devices and to overcome such difficulties is the principal object of the instant invention.

Other objects and advantages may appear during the further description of the invention.

Referring now to the accompanying drawing forming part of this application and in which like reference characters indicate like parts.

Fig. 1 is a perspective view of one of the improved scribers, used in marking a relatively thick plate spaced from and upon a lower level than the template, and

Fig. 2 is a somewhat reduced, side elevation of two plates, one overlapping the other and upon which the scriber is being used, and

Fig. 3 is a somewhat enlarged central sectional view of the scriber, adjusted oppositely to that shown in Fig. 1.

In the drawing 1 represents the body portion which is preferably of inverted U-shaped box like structure open at both ends and its lowermost longitudinal side.

The uppermost longitudinal side 2 being provided with two through thumb screws shown at 3 and 4 provided with any desired form of convenient means for manipulating same by hand, they being for holding firmly together when desired the elements contained in the body portion, 5 represents a relatively thin flat arm-like member extending materially beyond the body at both ends thereof and securely attached to the lowermost edges of the body portion 1, the entire length of said body portion and in any desired manner, thus forming the fixed bottom thereof.

Toward its forward end this arm 5 is gradually tapered or narrowed and terminates in a semicircular hub-like attachment for the depending fixed gudgeon pin 6 about which is mounted the roller 7 for nonfrictional engagement with the edge of the plate upon which the scriber is being used, the lower end of the pin 6 of course being

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provided with a suitable flange-like head or collar and washer for holding the roller 7 in place. Longitudinally adjustable within the body is carried the elongate scriber beam 8 it carrying at its forward end the vertically adjustable scriber pin 9, as common in such instruments.

Now within the body 1 is also carried a plurality of removable divider blocks 10, preferably each a little longer than the body to provide convenience in removing and re-arranging the same for relative spacing of the arm 5 and beam 8.

When the plate to be scribed or marked for subsequent welding or fitting is quite thin or as in some cases the upper surface being in the same plane with the one carrying the scriber, such work obviously may be much more accurately accomplished if the lower face of the beam 8 is on the same plane or nearly so, as the upper face of the arm 5, thus the convenience of the adjustment afforded by the spacer blocks as shown in Fig. 3 of the drawing.

Obviously, with this adjustment feature of spacing blocks, made in any number and thickness desired, the adaptability of the machine is materially augmented.

It will be noted that the roller 7 and gudgeon therefor appears abnormally long for normal work, however, in the shipbuilding art, the plates upon which the scriber is used may be relatively quite thick and if perchance the edge to be matched should have been previously beveled as shown in Figs. 2 and 3 at 11, the roller 7 must be sufficiently long to at all times, when being used, engage the lower most apex of said angle. Should the plate being marked happen to be one having added stock, fixed in place and overlapping a like fixed and beveled plate as shown in Fig. 2 which is frequently the case in shipbuilding, the convenience of selective spacing of the beam and arm of the scriber is obvious.

This of course is a common occurrence in ship building where such plates are welded together and both beveled before doing so, one of such plates being illustrated at 12 upon which the scriber is slidable manually and the one being marked or scribed shown at 13.

From the above it is apparent that I have added a marked improvement to a type of scriber heretofore well known, but without which quite impractical in the art of shipbuilding.

Having thus described my invention what I claim and desire to secure by Letters Patent is:

1. The combination with a scriber of the class described having a hollow body portion normally

open at opposite ends, an arm-like gauging member carried upon the lowermost longitudinal face of said body portion, a gauging beam longitudinally adjustable within said body portion, and means for holding same in any of its adjusted positions; of means carried by said body portion for selective positioning of said beam in spaced relation perpendicularly in respect to said arm-like member.

2. A structure as set forth in claim 1, including said last mentioned means comprising a plurality of divider blocks individually or collectively positionable above or below said beam within the hollow of said body portion for the purpose described.

3. The combination with a scriber of the class described having a hollow body portion normally open at opposite ends, an arm-like gauging member carried upon the lowermost longitudinal face of said body portion, a gauging beam longitudinally adjustable within said body portion, and means for holding same in any of its adjusted positions; of means carried within said body portion for selective positioning of said beam in spaced relation perpendicularly in respect to said arm-like member.

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