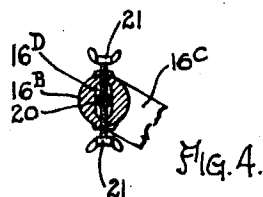
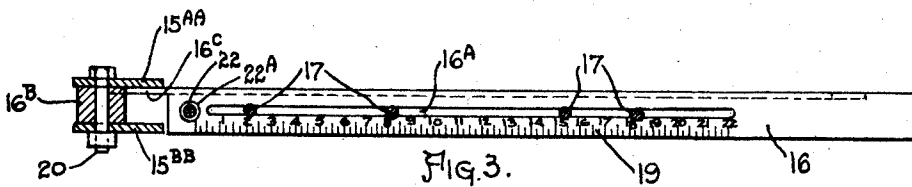
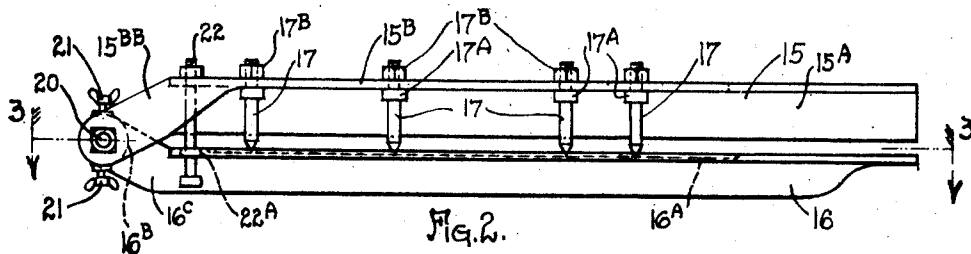
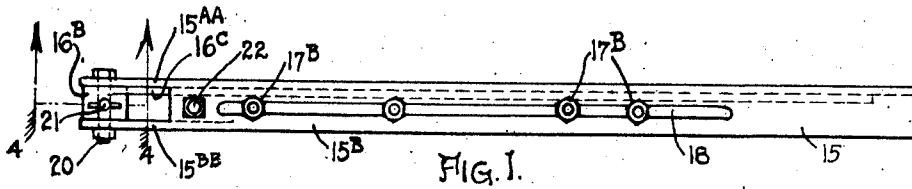


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F. P. KOUBEK
SHEET METAL MARKING DEVICE

Filed Aug. 29, 1927



INVENTOR.
Frank P. Koubek
BY *Frank J. Schraeder Jr.*
ATTORNEYS.

UNITED STATES PATENT OFFICE.

FRANK P. KOUBEK, OF BERWYN, ILLINOIS.

SHEET-METAL-MARKING DEVICE.

Application filed August 29, 1927. Serial No. 216,063.

This invention relates to new and useful improvements in sheet metal marking devices and has among its objects to provide a comparatively simple marking device which can be manufactured at a comparatively low cost and which shall be efficient in operation to the extent of affording accurate workmanship in the products for which it is used and also decrease the time required to execute or construct sheet metal articles of manufacture.

Another object of my invention is to provide an adjustable hinge for the elongated members whereby metal sheets of varying thicknesses may be inserted therebetween for marking.

With the above and other objects in view, my invention consists in the novel combination, construction and arrangement of parts and members shown in the accompanying drawings, described in the following specifications and particularly pointed out in the appended claims.

In the drawings:—Fig. 1 is a plan view of a sheet metal marker embodying my invention.

Fig. 2 is a side elevation of same.

Fig. 3, a section taken on line 3—3 of Fig. 2, showing the graduated scale on one of the pivoted members.

Fig. 4 is a cross section taken on line 4—4 of Fig. 1, showing the adjustable pivotal support for affording the use of my device on metal plates or bars of varying thicknesses.

The marking device embodied in the illustrations includes a pair of members 15 and 16 and provides for relatively longitudinal adjustment of the marking pins 17. The angle iron members 15 and 16 have their vertical legs disposed in the same direction to permit the marking of sheets of metal not only at their edges but in all points of the surface thereof.

The marking pins 17 are mounted in a slot 18 for longitudinal adjustment therein and are made with shoulders 17^A so that they may be securely tightened in place by means of the nuts 17^B. The pins 17 are pointed at their lower ends and partly pass into a groove 16^A.

The upper face of the lateral leg of the member 16 is provided with a graduated scale 19 which co-operates with the markers 17 to afford setting of same at predetermined spacing.

It will be observed that the member 15 is formed with a pair of integral pivot ears, one ear 15^{AA} being the extension of the vertical leg 15^A and the other ear 15^{BB} being an extension of the horizontal leg 15^B.

The member 16 is provided with a hub-like pivot bearing 16^B which is cast integrally to the extension 16^C. The hub 16^B being just long enough to fit between the ears 15^{AA} and 15^{BB}.

A pivot bolt 20 extends through the ears 15^{AA} and 15^{BB} and through the vertically elongated passage 16^D (as viewed in Fig. 4) within the hub 16^B.

Thumb screws 21 mounted diametrically opposite to each other in the hub 16^B confine the pivotal bolt 20 in a relatively fixed position to the hub 16^B but permit an adjustment of the bolt therein to afford a varying displacement of the members 15 and 16 to thereby permit the handling of metal sheets of varying thicknesses. Thus, if the upper thumb screw 21 (as viewed in Fig. 4) be withdrawn upwardly and the lower screw 21 be screwed inwardly the pivotal bolt will be moved upwardly in the slotted passage 16^D and will offer a greater spread between the working faces of the members 15 and 16 for comparatively thicker sheets.

A gauge bolt 22 is provided near the pivoted ends of the members 15 and 16. The bolt 22 is threaded into the leg 15^B and is made sufficiently long enough to permit the free spreading of the members 15 and 16. The opening 22^A being enlarged to provide a free sliding action of the bolt 22 therein. The function of the gauge bolt 22 is to provide a stop for the edge of the metal to be marked.

From the above description and attached drawings it will be clearly understood that I have provided a simple and time-saving sheet metal marker, having indenting pins or markers which are relatively adjustable longitudinally of one of the pivoted members and that the device can readily be adjusted for marking sheets of varying thickness.

I claim:—

1. A sheet material marker comprising a pair of hingedly connected elongated members, one of said members having a longitudinally extending slot therein, a plurality of pins mounted in said slot and adjustably and releasably held therein, said pins having their inner ends pointed and means for

securely retaining said pins in fixed predetermined spacings in said slot, there being a groove in the other of said members adapted to receive a portion of said pointed ends of said pins to thereby afford the indentation of a sheet of material by said pointed ends upon the closing together of said members, there being a graduated scale on the member with said groove arranged parallelly with said groove to facilitate the spacing of said pins. 10

2. A sheet metal marker as embodied in claim 1, and including an adjustable hinge for said elongated members.

In witness whereof I affix my signature.
FRANK P. KOUBEK.