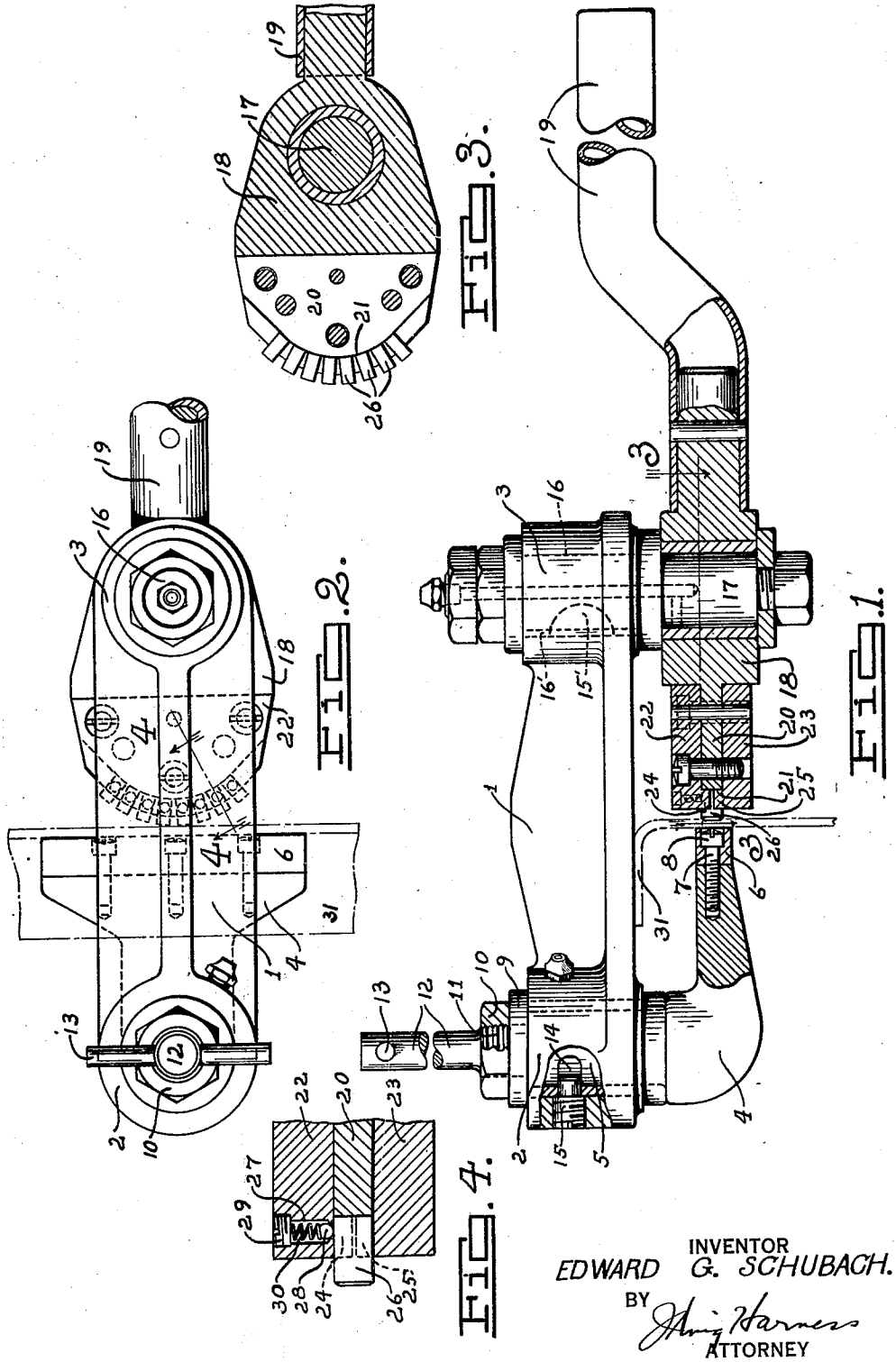
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INDICIA STAMPING DEVICE

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INDICIA STAMPING DEVICE

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This invention relates to an improved indicia stamping device, particularly for numbering metal constructions such as vehicle chassis frames.

The main objects of the invention are to provide a portable device of this kind of light construction which, when in use, is supported upon the structure to which the indicia is being applied; to provide an improved stamping device which may be applied to both flat and angular metal bars of various sizes after the latter have been assembled in a substantially complete structure; to provide a manually operable stamp with which each number, letter or figure of a series of numbers, letters or figures is independently held in place and applied under substantial pressure by a cam action; to provide a stamping device which has a work support having stationary engagement with the work for resisting the pressure of said cams; and to provide means for adapting the work support so as to condition the device for stamping stocks of various thicknesses.

An illustrative embodiment of this invention is shown in the accompanying drawings, in which:

Fig. 1 is a front elevation of an indicia stamping device, partly in section.

Fig. 2 is a top plan view of the stamping device shown in Fig. 1.

Fig. 3 is a horizontal section taken on line 3—3 of Fig. 1.

Fig. 4 is a fragmentary, enlarged, vertical section taken on line 4—4 of Fig. 2.

In the form shown, the improved stamping device includes a swingable body part 1 of T-shaped cross section which has a bearing 2 at one end and an eye 3 at the other end. A work supporting arm 4 having a pivot 5 journaled in the bearing 2 is located at the left end of the body part or link 1 and is provided with a demountable work engaging jaw 6 which is secured on the extremity of the arm 4 by bolts 7 having countersunk heads 8. The pivot 5 of the arm 4 is secured against displacement from the bearing 2 by a washer 9 and a nut 10 which is threaded on the reduced outer end 11 of the pivot 5. The end 11 has an integral upright stem 12 which is provided with a cross pin 13 by which the arm 4 may be conveniently rotated relative to the link 1. The pivot 5 has an arcuate slot 14 in its periphery into which a pin 15 threaded in the bearing 2 extends for limiting relative rotation of the link 1 and arm 4.

A bolt 16 mounted in the eye 3 has a journal part 17 on which a member 18 having an arcuate end portion is rotatably supported. The bolt 16 is secured against rotation relative to the eye 3 by a key 15′ which extends into a key-way 16′ in the inner periphery of the eye. The member is provided on one end with a handle 19 and it has a relatively thin extension 20 on its opposite end having an arcuate face 31 on its extremity. Mounted on the respectively opposite sides of the projection 20 are plates 22 and 23 which extend in advance of the arcuate face 21 and have spaced, inwardly projecting registering lugs 24 and 25 respectively forming a series of adjacent sockets in which pieces of type or other embossing elements 26 are seated.

The inner ends of the type 26 engage the arcuate face 21 and as the type are of the same height, the outer or embossing ends thereof are arranged on a curve which corresponds with the curvature of the face 21. Formed in the outer edge portion of the plate 22 are apertures 27 which communicate at their inner ends with the sockets in which the type 26 are mounted. Each aperture 27 has a constricted inner end in which a ball 28 is located and the outer ends of the apertures are closed by a threaded plug 29. A spring 30 bears between the plug 29 and the ball 28 so as to yieldably urge the latter against the side of the type 26, thereby removably securing the latter in place.

In operation, the stamping device is manipulated by grasping the stem and cross pin 12 and 13 respectively in one hand and the handle 19 in the other hand. The work supporting arm 4 and member 18 are then turned relative to the link 1 into crosswise positions and the device is straddled on a channel bar 31 of a vehicle chassis. The work supporting arm 4 is then rotated into alignment with the link 1 and the jaw 6 is engaged against one

side of the web of the bar. The member 18 is then rocked relative to the link 1 and work supporting arm 4 by manipulation of the handle 19. This rocking action brings successive pieces of type into embossing engagement with the other side of the web, the curvature of the arcuate face 21 allowing the 31 during swinging of the link 1 in oscilla- type to have rolling engagement with the bar tion of the member 18.

It is understood that the stamping device may be used on flat pieces of work as well as in channel and angle shaped members, in which case the body part 1 would rest upon the edge of the work thereby predetermining the distance from the edge thereof at which the type 26 are applied.

The device may be advantageously used in numbering vehicle frames for the spring pressed detents permit any one of a series of pieces of type to be conveniently removed and replaced. The entire device is light in weight and capable of being conveniently moved from one vehicle frame to another and in operation, substantially its entire weight may be supported upon the structure to which it is applied. The stamping device may be readily conditioned for application on pieces of work of different thicknesses by removing the demountable jaw 6 and replacing the same by another jaw having a thickness which is adapted to retain the work in an embossing relation to the type during oscillation of the cam member 18.

Although but one specific embodiment of this invention has herein been shown and described, it will be understood that various changes including the size, shape and arrangement of parts may be made without departing from the spirit of my invention and it is not my intention to limit its scope other than by the terms of the appended claims.

I claim:

1. An indicia stamping including a link member, a work supporting arm journaled on said member, a rocker arm journaled on said member having an arcuate face in related proximity to the end of said work supporting arm, an operating handle rigidly mounted on said rocker arm and type seated upon said arcuate face.

2. An indicia stamping device including an oscillatable support, a member forming a pivot for said support and a stationary abutment for engaging one side of a planular piece of work, means journaled on said support having an arcuate surface in related proximity to the extremity of said work abutting member and including a rigid operating handle, and embossing elements seated on said cam face and having rolling engagement with another side of said work.

3. An indicia stamping device including an oscillatable support, a member forming a pivot for said support and a stationary abutment at its extremity for engaging a piece of work, means journaled on said support having an arcuate surface in related proximity to the extremity of said work abutting member and including a rigid operating handle, and embossing elements seated on said cam face and having rolling engagement with a planular surface of said piece of work, said arcuate surfaces and oscillatable support being adapted to successively and uniformly impress the working ends of said embossing elements into said planular surface.

4. An indicia stamping device including an oscillatable intermediate part, a member forming a pivot for said intermediate part, a jaw detachably mounted on said member having stationary engagement with a piece of work, and an oscillatable embossing member journaled on said intermediate part having rolling engagement with said piece of work, said intermediate part resting upon said work.

5. A portable stamping device for embossing indicia on vehicle chassis frames including an intermediate link, a pair of spaced members pivotally attached to said link, a work engaging jaw on one of said members adapted for stationary engagement with one side of a bar of said frame, said intermediate link being engageable with said bar between said members so as to support said devices on the vehicle chassis during operation thereof and embossing means on the other member having rolling engagement with said bar in a plane parallel to said bar and intermediate the side surfaces thereof, said members being adapted to swing apart so as to permit said device to straddle said bar.

6. A portable stamping device for embossing indicia on an angle bar including a swingable member adapted to rest upon one flange of said bar, a support pivotally mounted on said member for engaging one side of the other flange of said angle bar, said support being swingable relative to said member so as to permit the latter to be seated on said angle bar, a member having an arcuate peripheral portion journaled on said member, a plurality of embossing elements mounted on the periphery of said member and having rolling engagement with the other side of the latter flange, and a handle on said member for oscillating the same.

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