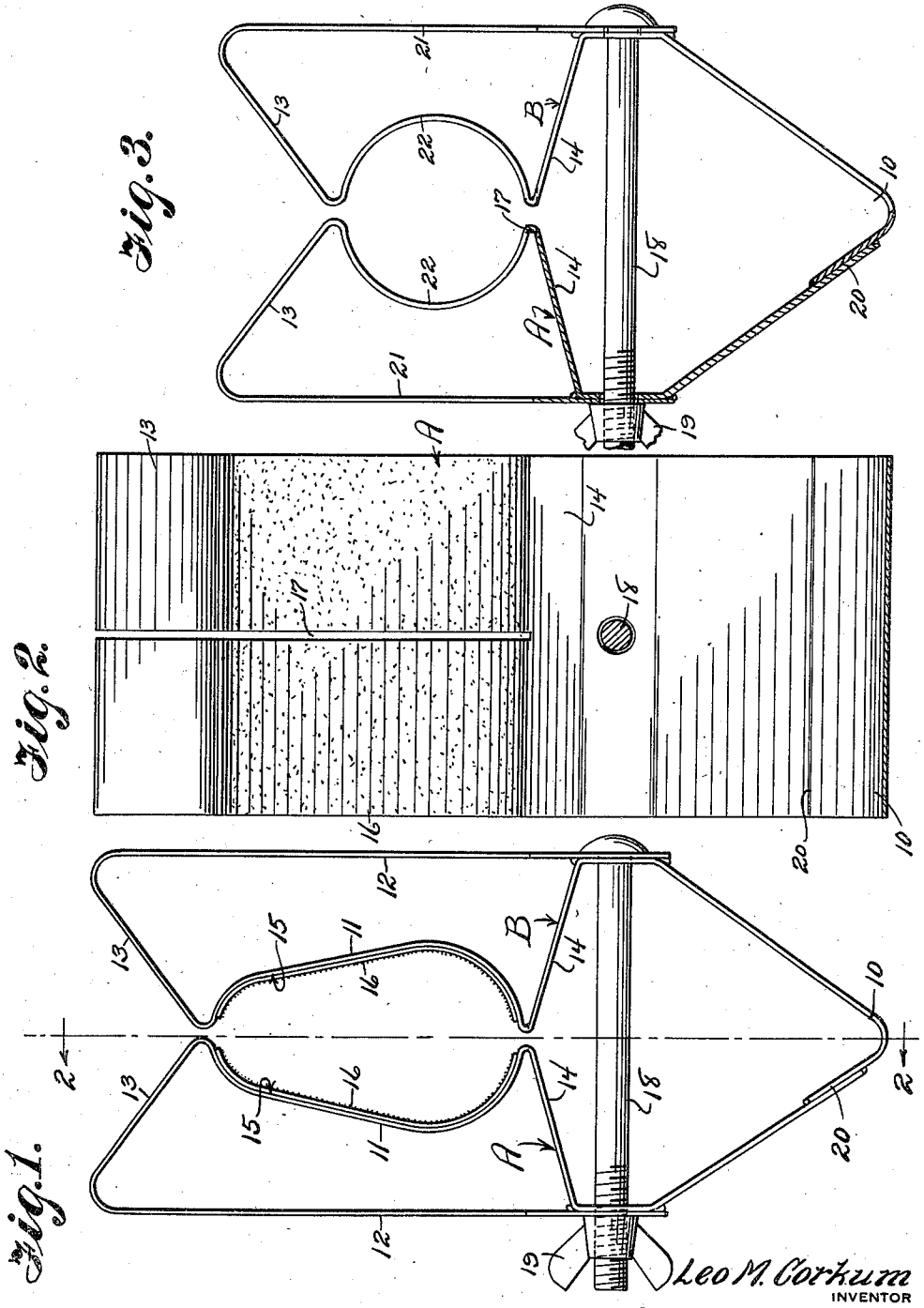
March 15, 1938. L. M. CORKUM 2,111,468

HACKSAW GUIDE

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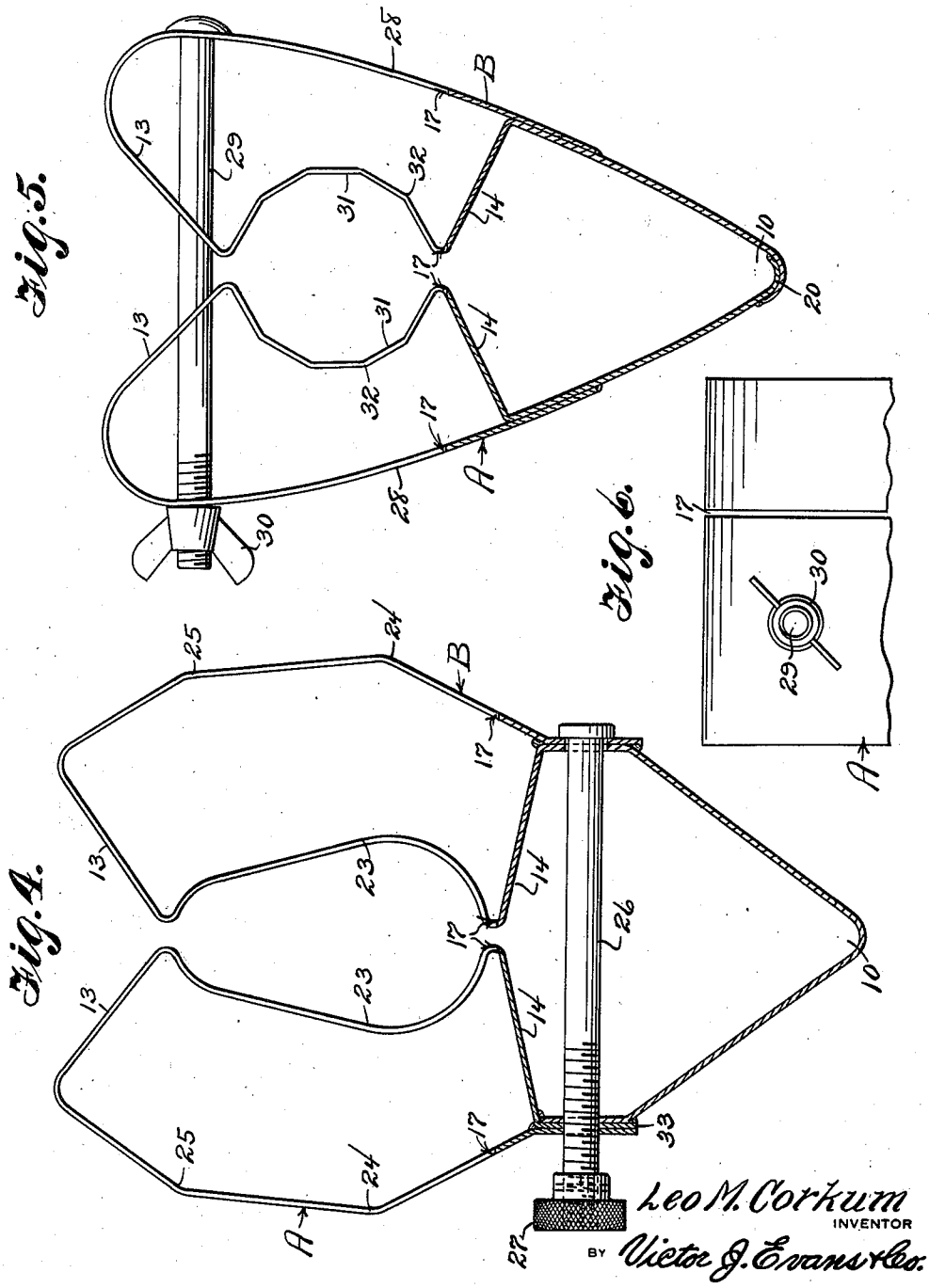
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HACKSAW GUIDE

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Application November 27, 1935, Serial No. 51,899

2 Claims. (Cl. 29—67)

The invention relates to a saw guide and more especially to a hack saw guide.

The primary object of the invention is the provision of a guide of this character, wherein the same is constructed from sheet metal and is arranged to guide a saw, such as a hack saw, when cutting material, such as pipes or the like, so that the material can be cut square or at an angle to the longitudinal axis thereof.

Another object of the invention is the provision of a guide of this character, wherein the work when therein will be held and the hack saw guided during the cutting thereof either for the square or angular cut of the same, the frame being of novel construction and is adapted to accommodate the work to be cut.

A further object of the invention is the provision of a guide of this character, which is simple in construction, thoroughly reliable and efficient in its purpose, light in weight yet strong, durable and inexpensive to manufacture.

With these and other objects in view, the invention consists in the features of construction, combination and arrangement of parts as will be hereinafter more fully described, illustrated in the accompanying drawings, which disclose the preferred embodiment of the invention and pointed out in the claims hereunto appended.

In the accompanying drawings:

Figure 1 is an end elevation of a guide constructed in accordance with the invention.

Figure 2 is a sectional view on the line 2—2 of Figure 1 looking in the direction of the arrows.

Figure 3 is an end elevation partly in section of a modified form of frame.

Figure 4 is a view similar to Figure 3 showing another modification.

Figure 5 is a view similar to Figure 4 showing a further modification.

Figure 6 is a fragmentary side elevation thereof.

Similar reference characters indicate corresponding parts throughout the several views in the drawings.

Referring to the drawings in detail, particularly Figures 1 and 2, which illustrate the preferred embodiment of the invention, the guide comprises companion sheet metal sections A and B, respectively, each folded on itself to provide a downwardly convergent or substantially V-shaped base 10 with upstanding jaws, these being constituted by inner and outer walls 11 and 12, respectively, and connecting webs 13 and 14, respectively, the webs 14 being welded or otherwise joined with the outer walls 12 while the webs 13 are integral with both the inner and outer walls 11 and 12. The webs 14 are bent from the inner walls 11 and upwardly converge while the webs 13 upwardly diverge.

The inner walls 11 between the webs 13 and 14 are curvilinear to provide work accommodating seats 15 and carry pads 16 for contact with the work, such as a pipe, when placed between the jaws A and B to be cut.

Disposed at an angle ninety degrees to the longitudinal axis of the frame in the jaws A and B is a kerf or slot 17 for accommodating a hack saw for the severing of the pipe at this angle. The disposition of the kerf or slot 17 can be varied according to the angle required for the cutting of the work.

Passed through the base 10 is a bolt 18 carrying a winged nut 19 and the purpose of this bolt is to maintain the jaws in their set spread relation to each other. The ends 20 of the sections A and B are united with each other at the base 10 preferably by welding or otherwise.

In Figure 3 of the drawings there is shown a modified form of guide wherein the jaws 21 have formed therein the half circular seats 22 for the work.

In Figure 4 of the drawings there is shown a further modification, wherein the jaws 23 which at the work engaging sides or faces thereof are similar to the jaws in Figures 1 and 2 excepting that the outer walls 24 are outwardly bowed by reason of the bights 25 provided therein and the bolt 26 carries a knurled nut 27.

In Figures 5 and 6 of the drawings there is shown a still further modification wherein the jaws 28 in their assembled relation to each other present to the frame a substantially heart formation and the bolt 29 with the winged nut 30 is arranged above the seats 31 for the work, these seats being irregularly faced by the bights 32 therein.

It will be apparent that the frame for serving as a guide to the saw is made from sheet metal and the work to be cut by the saw is seated between the jaws constituted in the frame.

Again with reference to Figure 4 of the drawings there is provided an overlap 33 at the point where the bolt 26 passes through the base of the frame, this overlap being effected by the meeting walls of the sections of this modification.

At the overlap 33 there may be reinforcements if necessary.

It is, of course, understood that the guide may be made from any suitable material, such as,

metal, preferably steel pressed or otherwise formed from sheets or flat sections thereof.

What is claimed is:

1. A frame of the character described comprising a pair of opposed jaws formed from sheet metal having spaced pieces forming inner and outer walls, the inner walls being formed with seats for accommodating work, said jaws being transversely slotted to provide a saw guide, a substantially V-shaped open sheet metal base formed with said jaws, a bolt member engaged with the walls of said jaws, the bolt member being located outside of the seats, and web portions formed between the inner and outer walls of said jaws and bridging the said walls.

2. A frame of the character described comprising a pair of opposed jaws having spaced apart inner and outer walls, the inner wall of each jaw being provided with a work accommodating seat, said jaws being transversely slotted to provide a saw guide, a substantially V-shaped base joined with said jaws at one end thereof, and a clamping bolt member engaging the outer walls of said jaws at points adjacent the ends of the jaws which are joined to the base.

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