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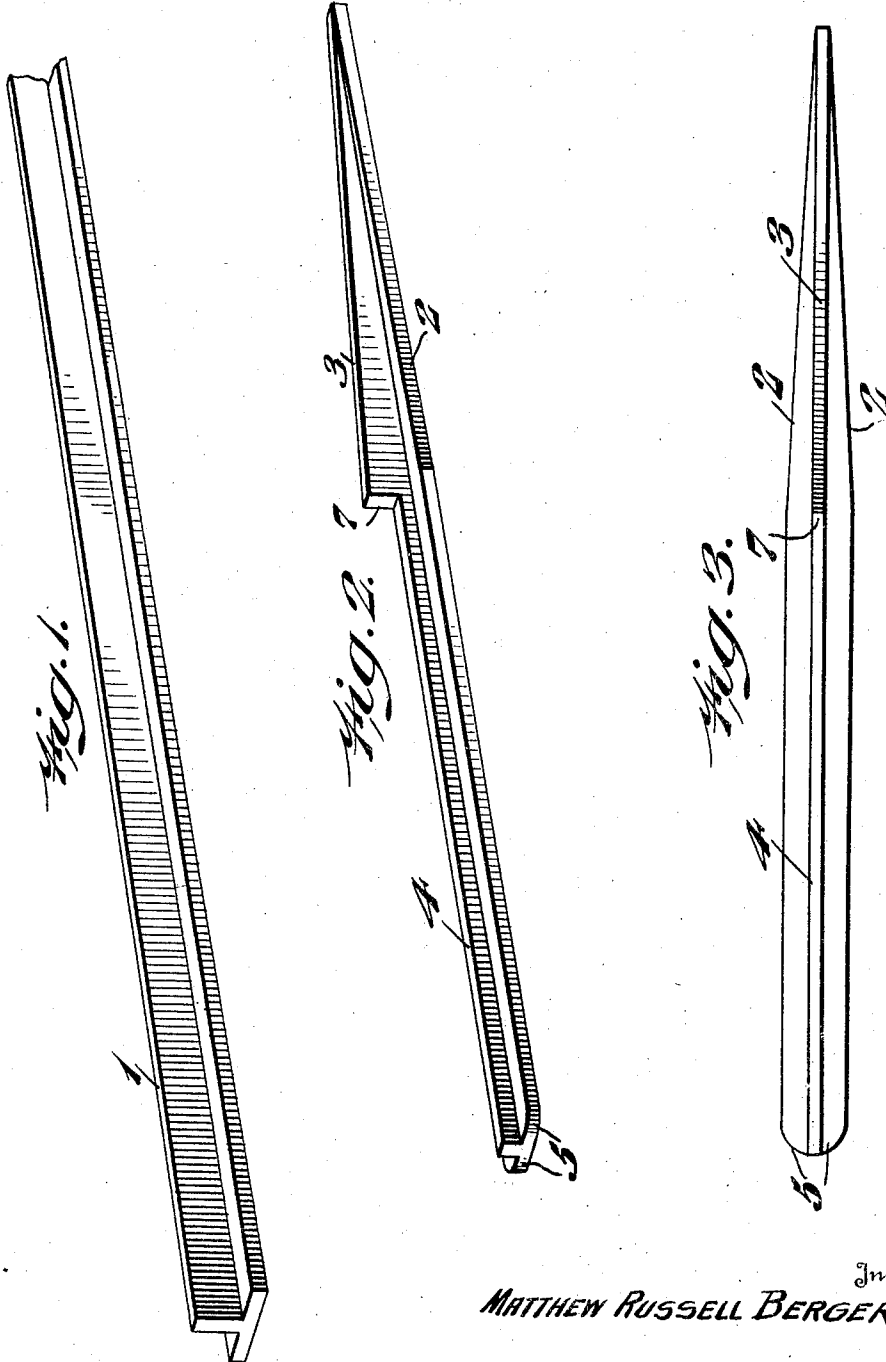
M. R. BERGER

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MANNER OF MAKING SICKLE HOOKS

Filed Jan. 13, 1926

2 Sheets-Sheet 1



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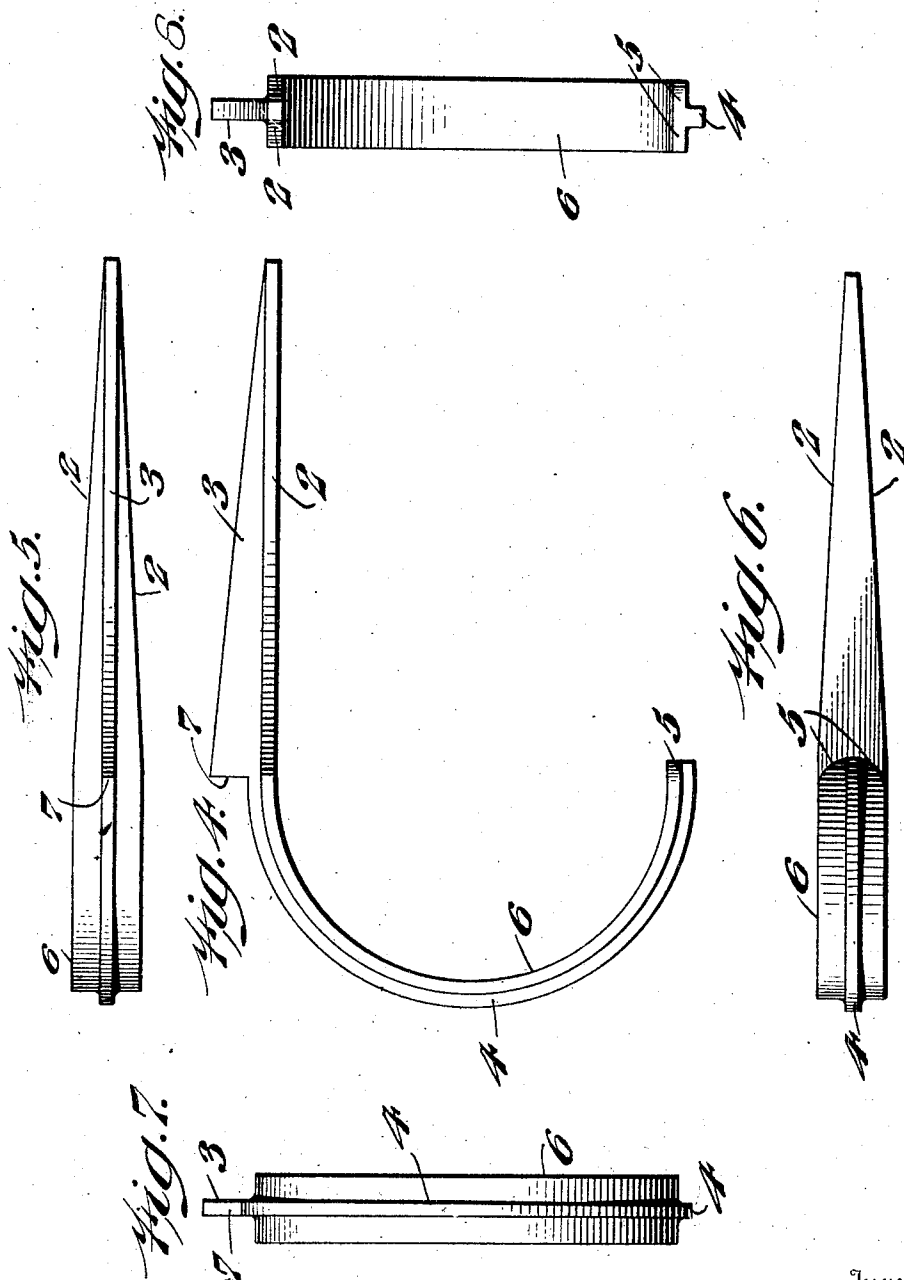
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UNITED STATES PATENT OFFICE.

MATTHEW RUSSELL BERGER, OF PHILADELPHIA, PENNSYLVANIA.

MANNER OF MAKING SICKLE HOOKS.

Application filed January 13, 1926. Serial No. 80,969.

This invention, generally stated, relates to roofing supplies and has more especial relation to rain spout or conductor supporting devices, known commercially as sickle hooks.

As at present practiced in the trade it is customary to either employ a sickle hook of cast metal or in some instance a sickle hook formed of heavy wire. In each instance these hooks while efficient to support rain spouts or conductors are more or less expensive to manufacture and frequently production cannot be speeded up sufficiently to meet trade demands.

The leading object of the present invention is to overcome the above described disadvantages and provide for the speeding up of production of sickle hooks in the manner hereinafter described from stock T-bar either of wrought iron, copper, brass or the like material; further to reduce the cost of production of sickle hooks; and finally to provide a more efficient sickle hook. With this and other objects in view the invention consists of the novel construction hereinafter described and finally claimed.

The nature, characteristic features and scope of the invention will be more fully understood from the following description taken in connection with the accompanying drawings forming part hereof, and in which:

Fig. 1, is a view in perspective of a piece of stock T-bar as used in the formation of my sickle hook.

Fig. 2, is a view in perspective of the T-bar cut to desired length and sheared ready for the bending step.

Fig. 3, is a view in plan of Fig. 2.

Fig. 4, is a view in plan of a completed sickle hook as formed by bending the stock shown in Fig. 2.

Fig. 5, is an edge view of Fig. 4.

Fig. 6, is a similar view looking in the opposite direction.

Fig. 7, is an end view of Fig. 4; and

Fig. 8, is a similar view looking in the opposite direction.

For the purpose of illustrating my invention I have shown in the accompanying drawings one form thereof which is at present preferred by me, since the same has been found in practice to give satisfactory and reliable results, although it is to be understood that the various instrumentalities of which my invention consists can be vari-

ously arranged and organized and that my invention is not limited to the precise arrangement and organization of the instrumentalities as herein shown and described.

According to the present invention I take stock T-bar designated 1 as it comes from the rolling mill, see Fig. 1, and cut the same to desired lengths, see Figs. 2 and 3. The T-bar may be of wrought iron, copper, brass or other desired metal. With the proper lengths of T-bar secured portions thereof are sheared as follows: At one end the horizontal or opposed ribs are sheared in angular fashion at 2, see Fig. 3, and the vertical or single rib is sheared angular fashion at 3 co-extensive with the sheared portions 2. The remaining portion of the single rib is sheared close to the horizontal ribs in parallelism therewith as at 4, and the ends of the horizontal ribs being rounded at 5. The blank so sheared is now bent to the form of a sickle or conductor hook as seen in Figs. 4 to 8 inclusive, a description of which will now be given. In bending the blank that end thereof having the sheared portions 2 and 3 in Fig. 3, is not acted upon but the remainder of the blank is bent upon an arc of a circle as at 6. This part 6 provides a part for partially encircling a rain spout or conductor and the sheared part 4 as shown in Figs. 2 and 3 forms a reinforcing portion coextensive with the part 6. Thus, while lightened in structure the part 6 is quite strong. The sheared parts 2—2—3 form a pointed member for wall penetration there being the shoulder 7 formed by the sheared parts 3—4.

While the above described manner of forming T-bar stock has been restricted to sickle or conductor hook formation for illustrative purposes it is to be understood that the same manner or method of T-bar stock may be employed in the making of joist hangers, bearing hangers and like supporting mediums.

It will now be apparent that I have devised a novel and useful construction which embodies the features of advantage enumerated as desirable in the statement of the invention and the above description and while I have in the present instance shown and described the preferred embodiment thereof which has been found in practice to give satisfactory and reliable results, it is to be understood that the same is susceptible of modification in various particulars without departing from

the spirit or scope of the invention or sacrificing any of its advantages.

What I claim is:

The manner of constructing a new article
5 of manufacture which consists in taking
stock metal of T-bar configuration and shearing the forward end in three directions to
form a pointed penetrating end and also

shearing the single rib of said bar rear-
wardly throughout the balance of its extent, 10
and thereafter subjecting the sheared bar
to a bending operation to provide a rounded
supporting portion.

In testimony whereof, I have hereunto
signed my name.

MATTHEW RUSSELL BERGER.