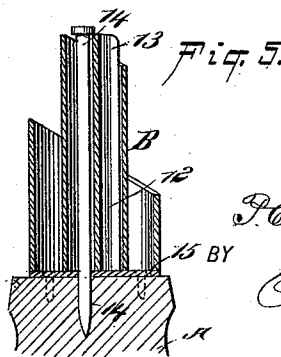
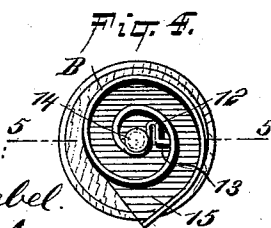
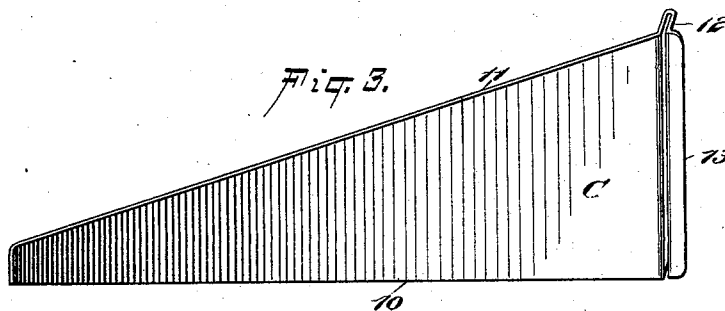
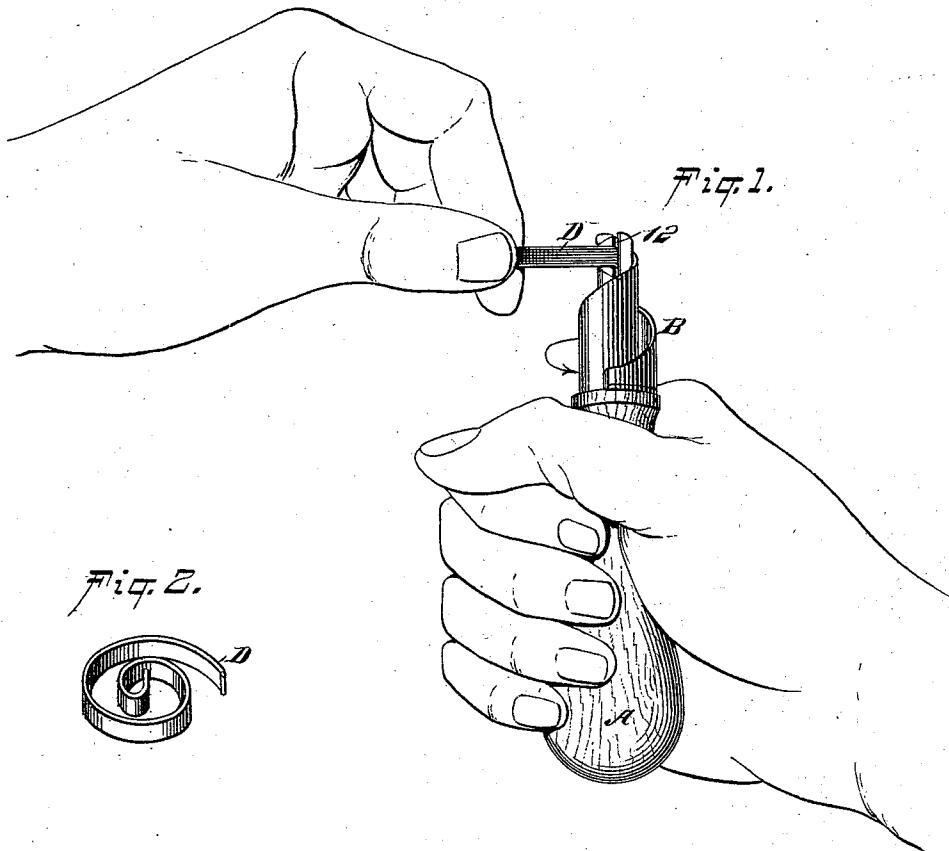


(Model.)

P. C. FORRESTER.
SCROLL FORMER.

No. 543,233.

Patented July 23, 1895.



WITNESSES:

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PETER C. FORRESTER, OF LEAVENWORTH, KANSAS.

SCROLL-FORMER.

SPECIFICATION forming part of Letters Patent No. 543,233, dated July 23, 1895.

Application filed January 23, 1895. Serial No. 535,879. (Model.)

To all whom it may concern:

Be it known that I, PETER C. FORRESTER, of Leavenworth, in the county of Leavenworth and State of Kansas, have invented a new and Improved Scroll-Former, of which the following is a full, clear, and exact description.

My invention relates to a tool adapted for forming scrolls in sheet metal or equivalent material; and the object of the invention is to provide such a tool which will be simple, durable, and economic, and whereby a scroll of a desired configuration may be expeditiously and conveniently produced.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth, and pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar figures and letters of reference indicate corresponding parts in all the views.

Figure 1 is a perspective view of the scroll-former, illustrating the manner in which it is operated. Fig. 2 is a perspective view of a scroll, such as is produced by the said former. Fig. 3 is a side elevation of the metal sheet from which the body of the former is made. Fig. 4 is a plan view of the tool, and Fig. 5 is a vertical section taken substantially on the line 5 5 of Fig. 4.

In carrying out the invention the tool comprises a handle A and a body or forming section B, attached to the handle in any suitable or improved manner. The body or forming section is made from a strip C of metal or equivalent material, the said strip, as shown in Fig. 3, being preferably provided with a straight bottom edge 10 and an inclined upper edge 11, whereby the strip is wide at one end and narrow at the opposite end. At the wide end of the strip the material is bent upon itself to form a vertical recess or pocket 12, extending from top to bottom, the pocket being made quite close to the widest end, forming thereby at one of its sides a flange 13. The strip C is coiled around this wider end, and consequently around the pocket 12, and owing to the inclination of the upper edge of the strip the said strip when bent or coiled upon itself will have substantially the form of a helix, and the coils will be sep-

arated one from the other a predetermined distance.

In order that the helical body shall be strengthened at its core or center, the vertical flange 13, and likewise the closed wall of the pocket 12, is made to engage with the inner face of the first coil or convolution of the helix, and in order that this shaping-body shall be further supported and strengthened a pin or post 14 is passed down through the said body in engagement with the inner coil. In fact, this coil is made around the pin or post, and said pin or post is then secured in any approved manner in the handle A. Preferably, also, the helical body C is provided with a base-plate 15, which serves to keep the coils in their proper position, and this plate may be secured by screws or like devices to the handle.

The device is adapted to form a scroll D (shown in Fig. 2) from a strip of metal, and this result is accomplished in the following manner: The handle of the tool is grasped in the right hand and the strip of metal to be bent into shape is placed in the left hand with the thumb near one end. The end of the metal adjacent to the thumb is entered into the pocket 12 at the top portion of the helical body. The handle is then turned with a wrist motion, the metal being drawn between the thumb and forefinger of the left hand and is wound around the first coil or convolution of the body. When a three-quarter turn has been given to the strip of metal the said strip is permitted to drop down nearer the handle, the strip moving in the space or opening between the walls of the coils, thus bringing the strip in engagement with the second coil, around which it is formed or bent, and this operation is repeated until the metal strip has been bent around the last or outer coil of the shaping-body.

During the entire operation one end of the metal will be retained in the pocket 12, and after the scroll is formed it is simply slid off from the body and will leave the same very readily.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. A scroll forming tool, comprising a handle, and a helical body the central coil of

which is of the greatest width, the coils being separated one from the other a predetermined distance forming a corresponding helical shaped opening between the walls of the coils, as and for the purpose set forth.

5 2. A scroll former, the shaping section of which is of a helical formation, the scrolls diminishing in width from the inner coil outward, the inner and longest coil being provided with a pocket to receive one end of the material to be shaped, the coils being separated one from the other a predetermined distance forming an opening between the walls of the coils, substantially as shown and described.

15 3. A tool for forming scrolls, the same comprising a shaping section and a support therefor, the said shaping section being of helical formation, the coils being spaced one from the other forming an opening between the adjacent walls of the coils and the coils

diminishing in width from the innermost outward, the said innermost coil being provided with a pocket extending from top to bottom, as and for the purpose set forth.

4. A tool for forming scrolls, comprising a handle and a body, the said body being constructed of a strip of rigid material having its under edge straight and its upper edge inclined, whereby it is wider at one end than at the other, the said strip being provided with a pocket extending from top to bottom formed near its wider end, the material of the strip being coiled around the pocket, whereby the said body is shaped substantially as a helix, and means, substantially as described, for securing the said body to the said handle, as and for the purpose set forth.

PETER C. FORRESTER.

Witnesses:

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ADA GERRARD.