

(No Model.)

H. GROM.

PROCESS OF SPINNING SHEET METAL.

No. 264,150.

Patented Sept. 12, 1882.

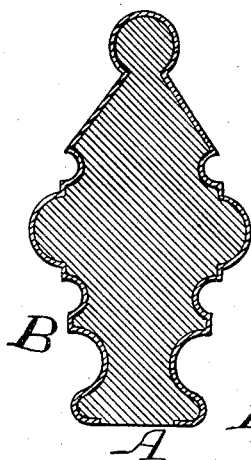


Fig. 1

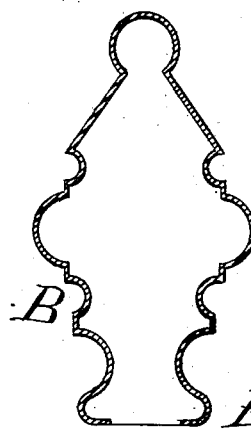


Fig. 2

Witnesses

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Inventor

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UNITED STATES PATENT OFFICE.

HENRY GROM, OF NEWARK, NEW JERSEY.

PROCESS OF SPINNING SHEET METAL.

SPECIFICATION forming part of Letters Patent No. 264,150, dated September 12, 1882.

Application filed August 3, 1882. (No model.)

To all whom it may concern:

Be it known that I, HENRY GROM, of Newark, in the county of Essex and State of New Jersey, have invented a new and useful Improvement in the Process of Spinning Sheet Metal, of which the following is a specification.

My invention relates to an improved process of spinning sheet metal, whereby a greater variety of articles may be made, and in forms or shapes not possible to spin by any former process. Formerly spinning has been done on a split chuck that might be taken out in sections after the shell has been produced; but many shapes would not allow of taking out even a divided chuck, and many articles had to be made in two or more parts, and then spun or soldered together; but I make all varieties of shapes from one piece of metal; and my invention consists in the process substantially as hereinafter set forth.

Figure 1 shows an article spun up from one piece of metal, having the form on which it has been spun yet in it. Fig. 2 shows the article with the form removed.

In my process I make a form of the desired shape. This I may get, in the first place, by turning it out of wood or metal for a pattern, or by taking for a pattern any article that has been spun in two or more pieces; and from this pattern I cast forms in soft metal, such metal as is fusible at a low temperature. Over these forms A, holding them in a suitable chuck in the ordinary way, I spin the shell B; and when I have spun up a desired number I subject them to heat, either in an oven or a metal bath, or otherwise, and melt out the soft-metal forms, and this does not disturb the shells, as they require a much higher temperature to melt them.

I claim—

The process of spinning sheet-metal articles, consisting in working them over soft-metal forms, and then melting out the said forms, substantially as and for the purpose specified.

HENRY GROM.

Witnesses:

HORACE HARRIS,
FRANK WILLCOX.