

J. Walton,
Making Funnel-Snouts.
N^o 40,162. Patented Jan. 31, 1865.

Fig. 1.

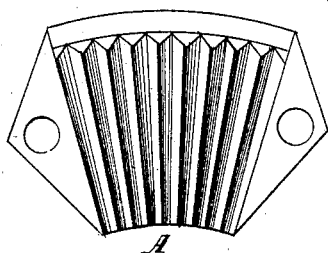


Fig. 2.

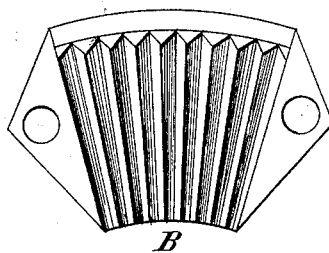


Fig. 3.

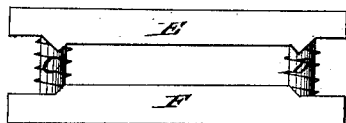


Fig. 4.



Fig. 5.

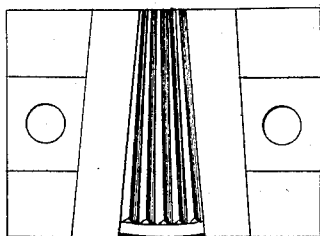


Fig. 6.

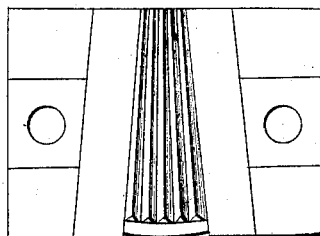
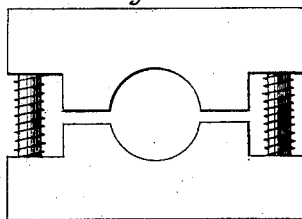


Fig. 7.



Witnesses:

John H. Hayes
Geo. C. Brown.

Inventor:

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UNITED STATES PATENT OFFICE.

JONATHAN WALTON, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN MAKING CORRUGATED FUNNEL-SPOUTS.

Specification forming part of Letters Patent No. **46,162**, dated January 31, 1865.

To all whom it may concern:

Be it known that I, JONATHAN WALTON, of Brooklyn city, in the county of Kings and State of New York, have invented a new and useful Improvement in Making Corrugated Funnel-Spouts; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figures 1 and 2 are horizontal views of the corrugator; Fig. 3, the end view of same. Fig. 4 is a fluted arbor. Figs. 5 and 6 are two fluted half-boxes, horizontally represented, and Fig. 7 is an end view of same.

In carrying out my invention I employ two pieces of cast-iron or any other metal with grooves, as shown in Figs. 1 and 2, and marked A and B. The pieces of grooved metal are placed one on the other and kept in their proper position by two pins, (marked C and D,) as shown in Fig. 3, the uppermost piece of grooved metal being supported by two spiral springs, (shown on pins C and D, in the form of sloping lines.) These grooved pieces of metal, when in position as shown in Fig. 3, are placed under a press, having a piece of tin the

proper shape between them. When the motion of said press brings the two plates E F together, the desired form is given.

Fig. 4 is a fluted arbor, upon which the grooved blank of tin is turned, and is used in connection with the two half-boxes, (marked 5 and 6,) for the purpose of closing and finishing the spout. These boxes are used when arranged as shown in Fig. 7, one-half of which is supported by spiral springs, as shown in Fig. 3. These are also placed between a press, having the fluted arbor with a spout on it inside of them.

The object of this invention is to make a strong ventilating spout for funnels.

What I claim as my invention, and desire to secure by Letters Patent, is—

The process of making corrugated funnel-spouts by first crimping the flat plate between corrugated plates E F, and afterward turning it around a longitudinally-corrugated mandrel and pressing it thereon between corrugated dies, all as hereinbefore described.

JONATHAN WALTON.

Witnesses:

PETER FLEMING,
GEO. W. LEE.