

J. A. SIMONS.
TUBULAR HANDLE.
APPLICATION FILED MAY 15, 1911.

1,021,075.

Patented Mar. 26, 1912.

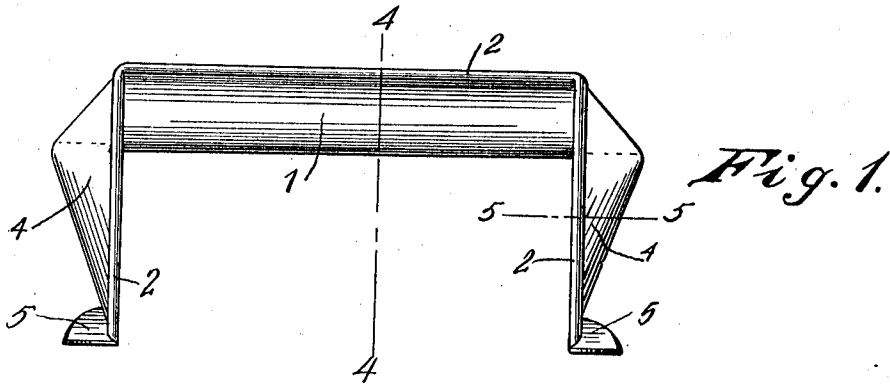


Fig. 1.

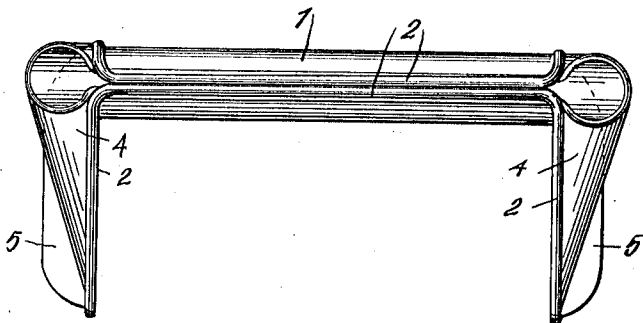


Fig. 2.

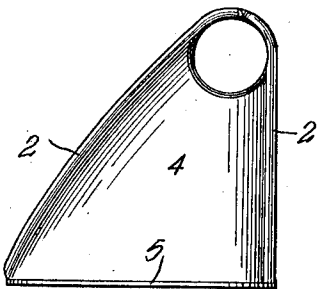


Fig. 3.

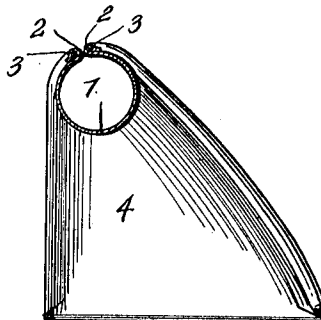


Fig. 4.

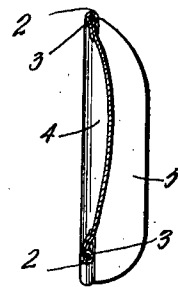


Fig. 5.

Witnesses

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UNITED STATES PATENT OFFICE.

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TO FREDERICK J. WESTLAKE, OF CHATHAM, CANADA.

TUBULAR HANDLE.

1,021,075.

Specification of Letters Patent.

Patented Mar. 26, 1912.

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To all whom it may concern:

Be it known that I, JOHN AUGUSTUS SIMONS, a citizen of Canada, residing at Chatham, in the Province of Ontario, Canada, have invented certain new and useful Improvements in Tubular Handles, of which the following is a specification.

This invention relates broadly to handles to be secured to pots, kettles, boilers, pans, and other receptacles, and has particular reference to a handle formed of sheet-metal and including an open ended tubular body portion or grip.

An important object of this invention is to provide a handle of the above character, which may be constructed out of a single piece of sheet-metal, which will not overheat, is easy and convenient to grip and is strong and light.

A further object of this invention is to provide a handle which is simple in construction, cheap to manufacture and very durable.

Other objects and advantages of this invention will be apparent during the course of the following description.

In the accompanying drawings forming a part of this specification and in which like numerals are employed to designate like parts throughout the same, Figure 1 is a plan view of my improved handle, Fig. 2 is a side view of the same, Fig. 3 is an end view of the same, Fig. 4 is a cross-sectional view taken on line 4—4 of Fig. 1, and, Fig. 5 is a sectional view taken on line 5—5 of Fig. 1.

In the drawings wherein is illustrated a preferred embodiment of my invention, a handle is shown as comprising a tubular body portion 1 having its opposite ends formed open, as shown, to allow of the circulation of air through the same. The tubular body portion is formed by suitably bending a section of sheet-metal, the longitudinal edges of which are rolled or bent to form beadings 2, within which are inserted strands of wire 3, as is more clearly shown in Figs. 4 and 5. The section of sheet-metal is bent back upon the tubular body portion 1 at the ends thereof, which results in the formation of arms 4. The longitudinal beaded edges 2, near and spaced inwardly from the ends of the body portion 1, are spread and bent in opposite directions, whereby portions of the arms 4 overlap the

ends of said body portion 1. These arms are also reinforced at their edges by the beadings 2 containing the wires 3. The arms 4 are curved in cross-section, as shown in Fig. 5 and the convex surfaces of these arms are disposed outwardly. The arms 4 increase in width in a direction away from the tubular body portion 1 and they also decrease in the degree of their curvature. The arms 4 are provided at their outer ends with laterally extending ears 5, which are bent from the same section of sheet-metal and arranged at substantially right angles to said arms. The beadings 2 carried at the edges of each of the arms 4, are in transverse alinement and are disposed at substantially right angles to the tubular body portion 1.

As above stated, the entire handle is formed from a single section of sheet-metal, which may be tin, copper, galvanized iron, or aluminum. I may also employ any other suitable material.

My improved handle will not overheat because the body portion 1, is tubular and open at both ends. The peculiar construction of the arms 4 imparts to the handle great strength. The handle may be manufactured very light. The cost of manufacturing my handle is comparatively cheap, as the same is formed from a single section of sheet-metal.

I wish it understood that the form of my invention herewith shown and described is to be taken as a preferred example of the same and that certain changes in the shape, size and arrangement of parts may be resorted to without departing from the spirit of the invention or the scope of the subjoined claims.

Having thus described my invention, I claim:—

1. A handle formed of a single section of sheet-metal, comprising a tubular body portion, and arms at the ends of said tubular body portion, said arms arranged at an angle to the tubular body portion and having their edges bent about the ends of the body portion, whereby portions of the arms overlap said ends of said tubular body portion.

2. A handle formed of a single section of sheet-metal, comprising a tubular body portion split longitudinally to provide adjacent longitudinal edges, and arms at the ends of said tubular body portion, said arms arranged at an angle to said tubular body por-

tion and formed of bent portions of said longitudinal edges, said bent portions extending in opposite directions about the ends of the body portion, whereby portions of said arms overlap the ends of said body portion, 5 said arms being curved in cross-section and having their convex surfaces arranged outermost.

3. A handle formed of a section of sheet-
10 metal, comprising a tubular body portion, and arms at the ends thereof, said arms arranged at an angle to the tubular body por-

tion and having their edges, at points near and spaced inwardly from the ends of the body portion, bent in opposite directions 15 about said ends of said body portion, whereby portions of the arms overlap said ends of said body portion.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN AUGUSTUS SIMONS.

Witnesses:

KATE MACDONALD,
THOS. SCULLARD.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."
