No. 626,262. Patented June 6, 1899.

H. E. WRIGHT.

HANDLE FOR GLASS BOTTLES.

(Application filed Feb. 23, 1899.)

(No Model.) 2 Sheets—Sheet 1.

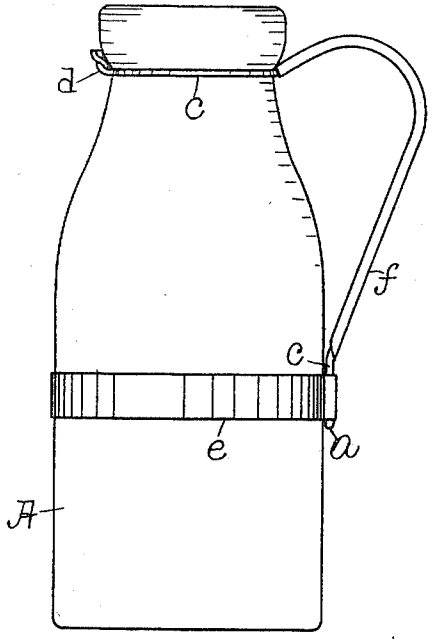


Fig. 1.

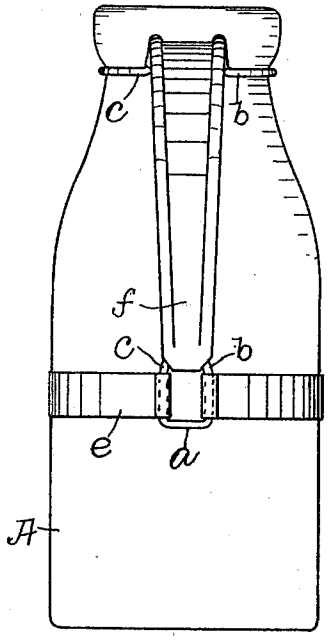


Fig. 2.

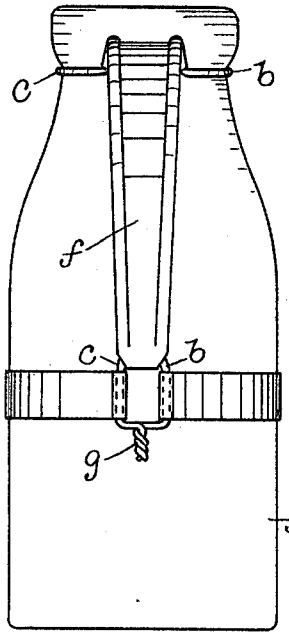


Fig. 3.

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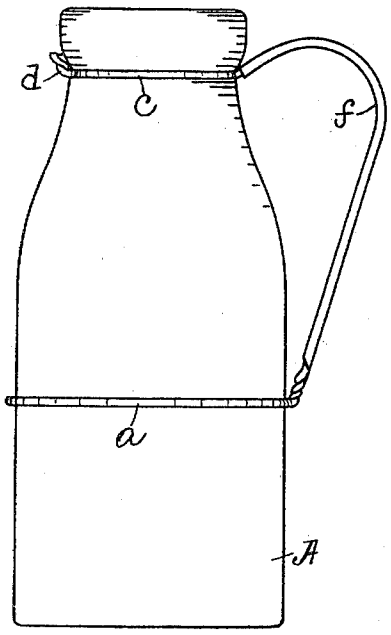


Fig. 4.

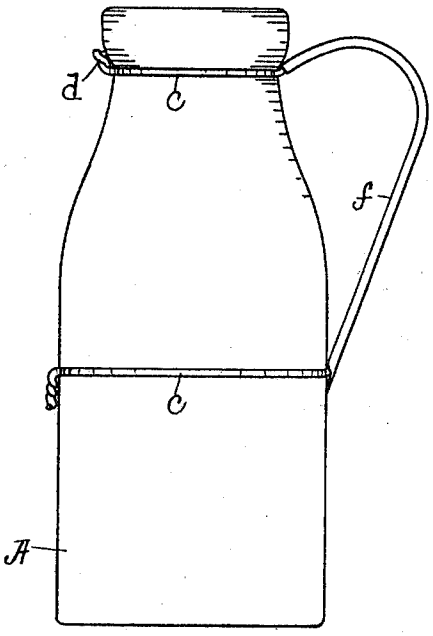


Fig. 5.

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UNITED STATES PATENT OFFICE.

HENRY E. WRIGHT, OF SOMERVILLE, MASSACHUSETTS.

HANDLE FOR GLASS BOTTLES.

SPECIFICATION forming part of Letters Patent No. 626,262, dated June 6, 1899.

Application filed February 23, 1899. Serial No. 706,461. (No model.)

To all whom it may concern:

Be it known that I, HENRY E. WRIGHT, a citizen of the United States, residing in Somerville, in the county of Middlesex and State of Massachusetts, have invented an Improvement in Handles for Glass Bottles, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

This invention has for its object to provide bottles or jars made of glass or other non-metallic material with a metal handle which may be firmly secured to the bottle without the employment of heat, whereby breaking of the bottles in the application of the handles thereto is avoided, and at the same time providing the bottle with a stronger metal handle which can be applied to the bottle in a substantially short time and at a minimum expense.

In accordance with this invention the handle is formed of pieces of steel or iron wire which encircle the bottle at its neck or body, or both, and which are twisted or otherwise mechanically united together. The pieces of wire are bent or shaped to form the handle proper and may and preferably will have secured to them a sheet-metal cover, as will be described.

Figure 1 is an elevation of a glass bottle provided with a metal handle embodying this invention; Fig. 2, an elevation of the bottle shown in Fig. 1, looking toward the left; Figs. 3, 4, and 5, modifications to be referred to.

Referring to Figs. 1 and 2, A represents a glass bottle such as now commonly used to contain milk. The bottle A is provided with a metal handle made, as shown in Figs. 1 and 2, of a steel or iron wire *a*, which is of a suitable length to permit it to be folded to form two pieces *b c*, which encircle the neck of the bottle and are twisted together or otherwise mechanically united, as at *d*. The two pieces *b c* are suitably bent to the shape desired, (shown in Fig. 1,) and which is the usual shape of the handles of metal cans, and the said wire is secured to the body of the bottle by a metal band *e*, having its opposite ends folded over or about the pieces *b c* near their lower ends. The pieces *b c* of wire may and preferably will have secured to them a piece *f* of sheet metal, usually tin, which has its opposite sides or edges folded over or about the pieces *b c* of the wire and which affords a wide surface to grasp.

The wire handle, as shown in Figs. 1 and 2, is made from one piece of wire folded to form the two pieces *b c;* but I do not desire to limit my invention in this respect, as the pieces *b c* may be separated and twisted together at their upper ends like that shown in Fig. 1, and also twisted together or otherwise mechanically secured together at their lower or opposite ends, as at *g*. (See Fig. 3.)

I may prefer to employ the sheet-metal band *e*, (shown in Figs. 1 to 3;) but this may be dispensed with and the body-band formed out of the wire *a*, as represented in Fig. 4, wherein a single wire forms the body-band, the neck-band, and the intermediate handle, which is preferably provided with the sheet-metal cover.

In Fig. 5 the neck-band and the body-band are formed by uniting both ends of two separate pieces *b c* of wire, whereas a single piece is used in forming the handle, as shown in Fig. 4.

The metal handles above described are adapted and designed to be formed ready to be attached to the bottle by means of pliers or other suitable tools and do not require the use of solder, and consequently can be applied to the bottle by inexperienced persons without heat, thus avoiding cracking and breaking of the bottles and dispensing with skilled labor, which results in a cheaper, stronger, and more efficient handle.

The sheet-metal cover *f* may and preferably will be secured to the pieces *b c* of wire while both are flat or straight, and thereafter the united parts are bent or shaped into the form desired, in which condition they can be sold ready to be applied to the bottles.

I claim—

1. The combination with a non-metallic bottle or jar, of a metallic handle attached thereto and comprising a neck-band, a body-band, and an intermediate portion composed of separate pieces of wire provided with a sheet-metal cover interposed between and secured thereto, substantially as described.

2. A handle for glass bottles and the like composed of pieces *b*, *c*, of wire bent or shaped as described and a cover *f* interposed between and secured thereto, the free ends of the pieces *b*, *c* extending beyond the cover *f* a sufficient distance to encircle a bottle, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

HENRY E. WRIGHT.

Witnesses:
JAS. H. CHURCHILL,
J. MURPHY.