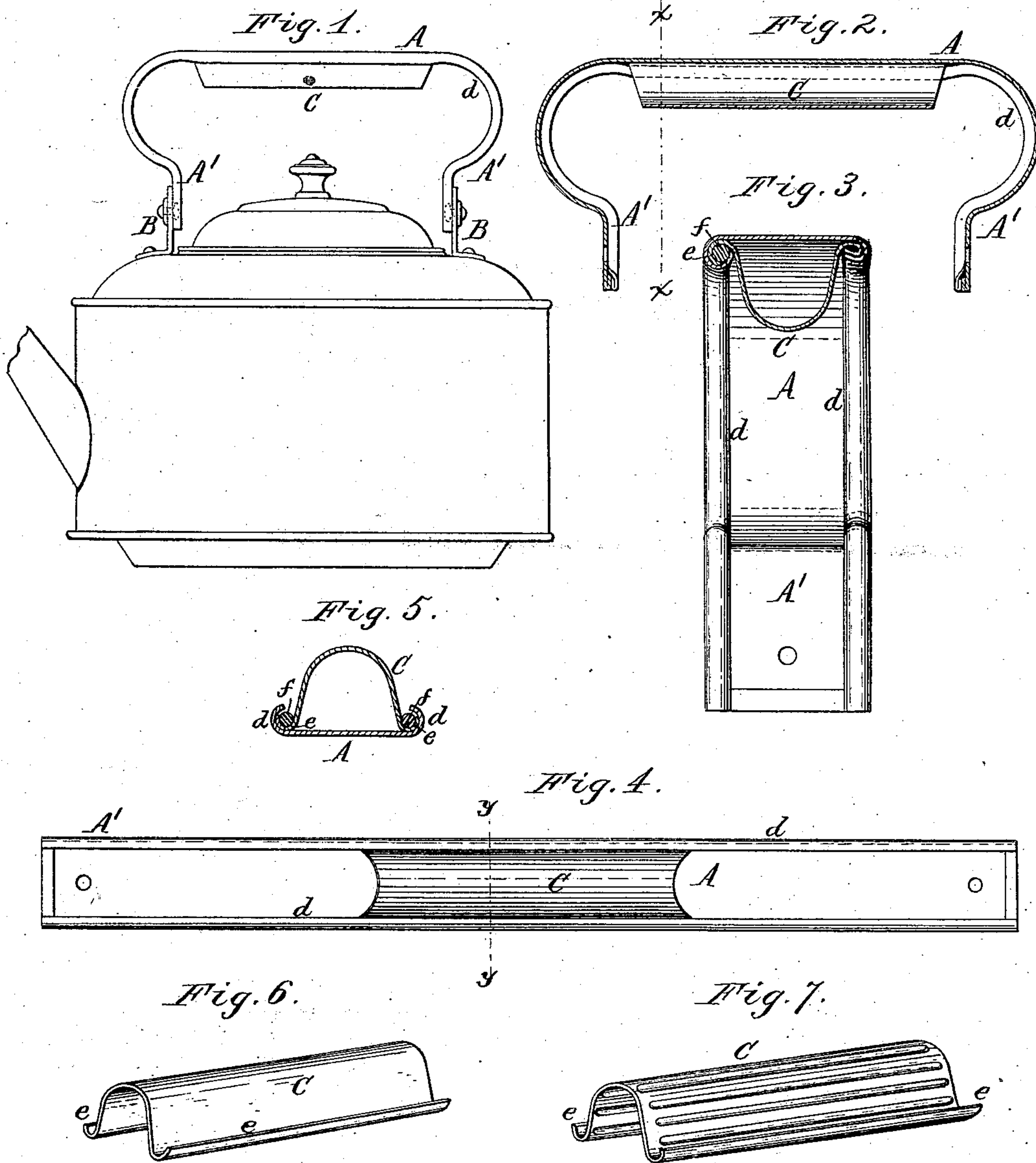


(No Model.)

I. WOEPPEL.
TEA KETTLE HANDLE.

No. 290,956.

Patented Dec. 25, 1883.



Geo. E. Pitman
Thos. L. Popp } Witnesses.

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UNITED STATES PATENT OFFICE.

IGNATZ WOEPPEL, OF BUFFALO, NEW YORK, ASSIGNOR TO SIDNEY
SHEPARD & CO., OF SAME PLACE.

TEA-KETTLE HANDLE.

SPECIFICATION forming part of Letters Patent No. 290,956, dated December 25, 1883.

Application filed July 6, 1883. (No model.)

To all whom it may concern:

Be it known that I, IGNATZ WOEPPEL, of the city of Buffalo, in the county of Erie and State of New York, have invented a new and
5 useful Improvement in Tea-Kettle Handles, of which the following is a specification.

This invention relates to an improvement in that class of handles which are constructed of tin or similar sheet metal; and it has for its
10 object to produce a neat, strong, and convenient handle, which can be cheaply manufactured.

My invention consists of the improvement in the construction of the handle, which will
15 be hereinafter fully set forth, and pointed out in the claim.

In the accompanying drawings, Figure 1 represents a side elevation of a tea-kettle provided with my improved handle. Fig. 2 represents a longitudinal section of the handle on an enlarged scale. Fig. 3 represents a cross-section on line *x x*, Fig. 2, on enlarged scale. Fig. 4 represents an inside elevation of the handle before its end portions are bent. Fig.
20 5 is a cross-section on an enlarged scale on line *y y*, Fig. 4. Figs. 6 and 7 are perspective views of the stiffening-piece secured to the under side of the handle.

Like letters of reference refer to like parts
30 in the several figures.

A represents the body of the handle, having its end portions, A', bent and pivoted to the ears B of the kettle or other vessel.

C represents a stiffening-piece secured to
35 the under side of the central portion of the body A, and forming, with the latter, a handle of the proper size to be conveniently held in the hand. The body A is composed of a strip of tin or similar sheet metal, having its edges
40 turned in on its under side, as represented at *d*. The stiffening-piece C is formed of the same material in the form of a trough or channel open at both ends, and rests with its bent edges *e* in the bent edges *d* of the body A.

45 *f* represents wires placed in the bent edges *d* of the body A, to further stiffen the same. These wires also rest in the bent edges of the stiffening-piece C. The latter may be con-

structed of plain tin, as represented in Figs. 1 to 6, or it may be corrugated for rendering
50 it more rigid and improving its appearance, as represented in Fig. 7.

The parts are secured together by placing the bent edges *e* of the stiffening-piece C in the bent edges *d* of the body A, introducing
55 the wires *f*, as represented in Fig. 5, and closing the bent edges down upon each other and the wires by a suitable tool. The wires may be omitted; but I prefer to employ them, as they serve to stiffen the edges of the handle
60 and improve its appearance. When the stiffening-piece has been secured to the body A, as described, the end portions, A', of the handle are bent to the form represented in Figs. 1 and 2, whereby the handle is completed and
65 made ready for attachment to the kettle. The piece C renders the handle very strong and rigid and of the proper size to be conveniently held in the hand, and as it is open at both ends it permits of the passage of air through
70 it, whereby overheating is prevented. As no solder is employed in connecting the parts, they cannot become separated by heat. The upper and outer surface of the handle being flat, it presents a neat appearance, and is easily kept clean. The stiffening-piece C is readily
75 stamped to the desired shape, either plain or corrugated, and the parts are easily and quickly secured together, forming a cheap, strong, and
80 convenient handle.

I am aware of Letters Patent No. 106,115, to Britton, August 9, 1870, and do not claim the construction of a handle therein shown and described.

I claim as my invention—

85 A handle composed of a flat body, A, and a trough-shaped stiffening-piece, C, having open ends, and secured to the under side of the body A by the bent edges of the body and stiffening-piece closed down upon each other, substantially as set forth.

IGNATZ WOEPPEL.

Witnesses:

JNO. J. BONNER,
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