

(No Model.)

J. S. BROWN.
HANDLE FOR PANS, TUBS, &c.

No. 514,410.

Patented Feb. 6, 1894.

Fig. 1.

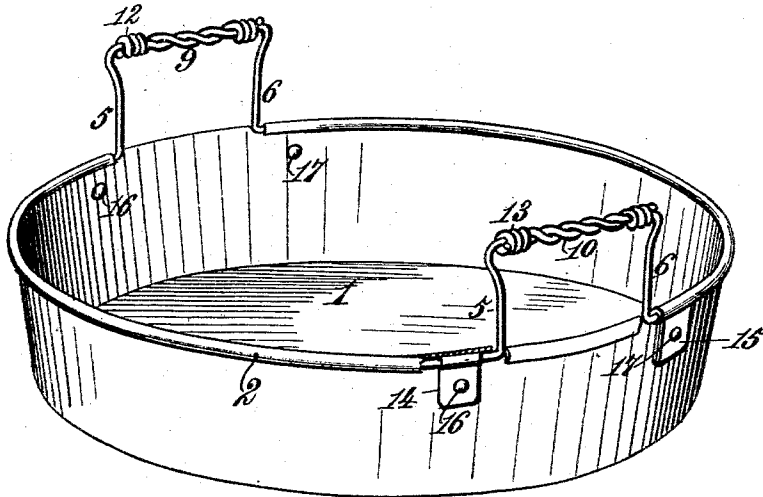


Fig. 2.

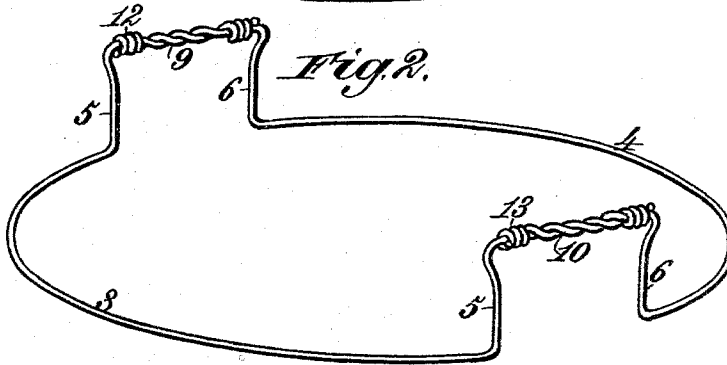
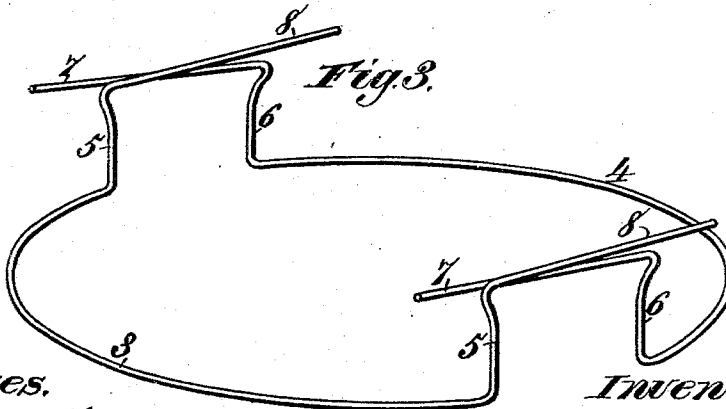


Fig. 3.



Witnesses.

Robert Everett,

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Atty.

UNITED STATES PATENT OFFICE.

JOHN STODDART BROWN, OF GALVESTON, TEXAS.

HANDLE FOR PANS, TUBS, &c.

SPECIFICATION forming part of Letters Patent No. 514,410, dated February 6, 1894.

Application filed December 11, 1893. Serial No. 493,430. (No model.)

To all whom it may concern:

Be it known that I, JOHN STODDART BROWN, a citizen of the United States, residing at Galveston, in the county of Galveston and State of Texas, have invented new and useful Improvements in Handles for Pans, Tub, &c., of which the following is a specification.

This invention relates to that type of sheet metal vessels or articles which are provided with rigid handles formed by bends in a piece of wire comprising a part of the rim of the vessel or article.

The objects of my invention are to provide new and improved rigid wire handles for sheet metal cans, pans, tubs, or any other articles which it is desired to supply with such handles; to provide a stronger and more durable handle portion than heretofore; to simplify the manufacture of the article and render it susceptible of being more conveniently and economically produced; and to render it possible to place the wire handles in position at the time the edge of the metal is being formed into a rim by rimming devices or mechanism.

To accomplish all these objects my invention consists in the features of construction, and the combination or arrangement of devices hereinafter described and claimed, reference being made to the accompanying drawings, in which—

Figure 1 is a perspective view of a sheet metal dish pan provided with my invention. Fig. 2 is a detail perspective view, showing the two pieces of wire properly shaped and connected to form the two handles; and Fig. 3 is a similar view, showing the two pieces of wire prior to twisting the extremities together to form the grip bars.

In order to enable those skilled in the art to make and use my invention, I will now describe the same in detail, referring to the drawings, wherein—

The numeral 1 indicates a sheet metal vessel, which may be a dish-pan, or a tub, or any other article. The edge portion of the vessel or article is provided, as usual, with a rim 2, formed by bending or folding the edge into a tubular shape, for the purpose of inclosing the main body portions of the wires which constitute the handles of the vessel or article. The main body portions 3 and 4 of the wires

are bent into approximately semi-circular form, as clearly shown in Fig. 3, and the end portions are bent upwardly to form the arms or members 5 and 6, and horizontally, as at 7 and 8, Fig. 3, to form the grip-bar, hereinafter explained. The horizontally bent portions 7 and 8 are spirally twisted together, as at 9 and 10, and the extremities of the spirals are coiled respectively upon the portions 7 and 8, as indicated by the numerals 12 and 13. By this construction each handle is furnished with a grip-bar composed of two pieces of wire twisted together, by which means the strength and durability of the handles are materially increased.

The provision of the two independent pieces of wire, 3 and 4, bent and united in the manner described and shown, enables the wires to be placed in position, and the edge of the metal at the same time formed into a rim.

The invention simplifies the construction of rigid wire handles and renders it possible to conveniently and economically manufacture the vessels or articles with the handles firmly secured thereto.

The twisted form of the grip-bars produces an artistic and desirable finish and materially strengthens the handles; and, since these handles are rigid, or immovable, the vessels or articles can be conveniently shipped without liability of the handles being broken off in transportation.

The invention is designed for all sheet metal vessels which it is desired to provide with handles, such as dish-pans, lard-cans, milk-cans, rinsing-pans, tubs, and the like.

In the construction of the vessel or article, I prefer to provide the wires 3 and 4 with clips 14 and 15, each composed of a strip of metal folded around one of the wires and riveted to the body of the vessel or article, as at 16 and 17, whereby the handle portions of the wires are materially strengthened and braced at points in juxtaposition to the upwardly bent portions 5 and 6.

I have illustrated the main body portions 3 and 4 of the wires as each composed of a single piece, but I do not confine myself to this particular construction.

Having thus described my invention, what I claim is—

1. A metallic vessel having at its edge two pieces of wire, the opposite end portions of one piece being bent into parts of two handles and united to similarly bent end portions of the other piece to form two complete handles, substantially as described.

2. A metallic vessel having at its edge two pieces of wire, the opposite end portions of one piece being bent into parts of two handles and twisted to similarly bent end portions of the other piece to form two complete handles with twisted grip-bars, substantially as described.

3. The combination with a sheet metal pan or vessel, of two pieces of wire secured in the bent or folded edge of the pan or vessel with their end portions bent into a handle, and wound spirally into engagement with each other to form a twisted grip-bar of two pieces of wire, substantially as described.

4. The combination with a sheet metal pan or vessel, of two pieces of wire secured in the bent or folded edge of the pan or vessel with the opposite end portions of one piece bent into parts of two handles and wound spirally

into engagement with similarly bent end portions of the other piece, substantially as described.

5. The combination with a pan or vessel, of two pieces of wire secured in a rimmed part of the pan or vessel, bent upwardly and horizontally in opposite directions, and having the horizontal portions spirally twisted together with the extremities coiled one upon the other in juxtaposition to the upwardly bent portions, substantially as described.

6. The combination with a metal pan or vessel, and pieces of wire arranged in the bent or folded edge thereof and formed into handles, of clips 14 and 15 folded round the wires and rigidly secured to the pan or vessel, substantially as described.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

JOHN STODDART BROWN.

Witnesses:

JAMES JOSEPH DREW,

THOMAS ELLIOTT.