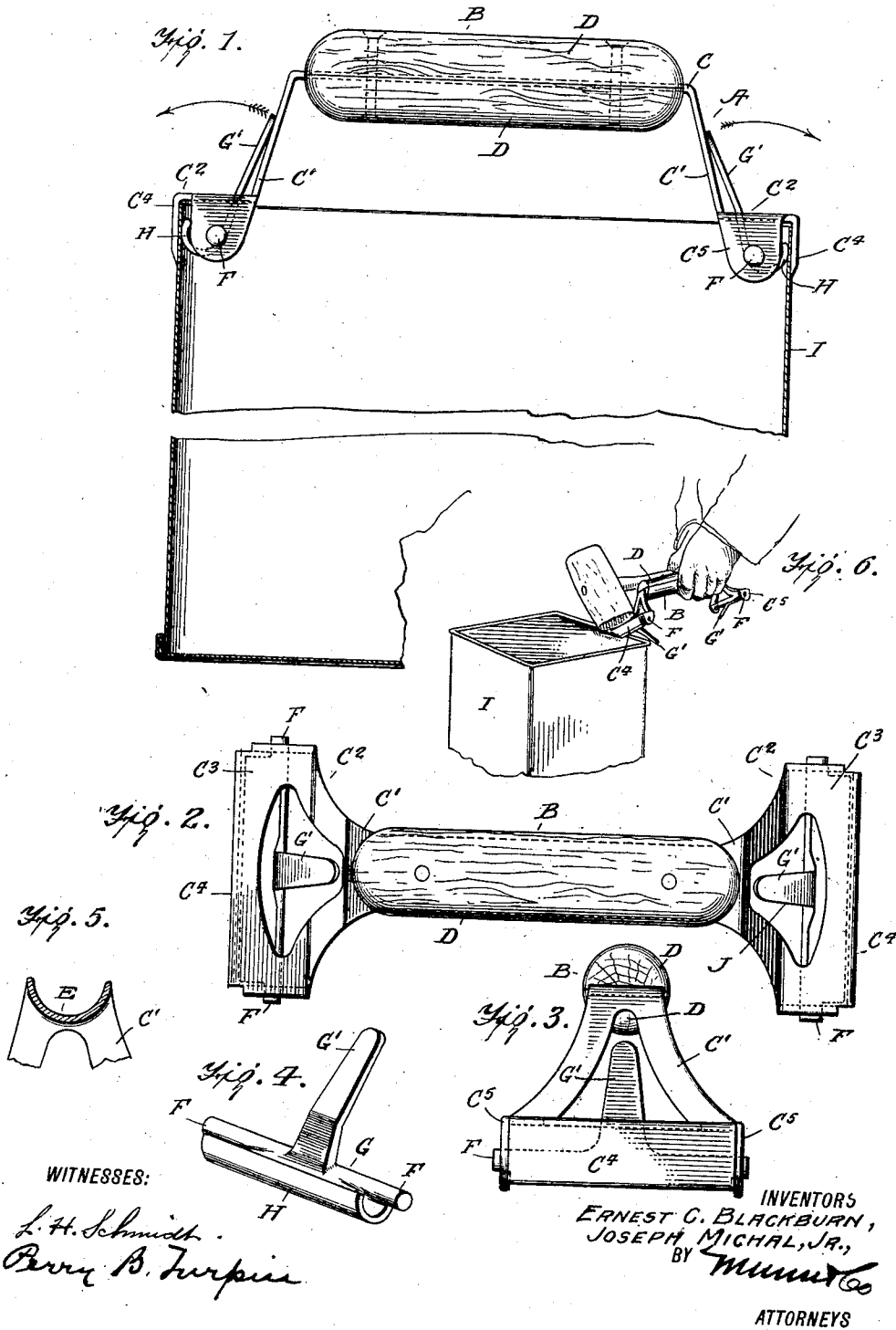


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HANDLE.

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978,816.

Patented Dec. 13, 1910.



# UNITED STATES PATENT OFFICE.

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## HANDLE.

978,816.

Specification of Letters Patent. Patented Dec. 13, 1910.

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*To all whom it may concern:*

Be it known that we, ERNEST C. BLACKBURN and JOSEPH MICHAL, JR., citizens of the United States, and residents of Goldfield, in the county of Esmeralda and State of Nevada, have invented certain new and useful Improvements in Handles, of which the following is a specification.

This invention is an improvement in handles and has for an object to provide a novel construction of removable handle adapted to be applied to the open upper ends of vessels, such as the ordinary five gallon oil can, and which handle can be quickly secured in place and as quickly removed and applied to another can.

The invention consists in certain novel constructions and combinations of parts as will be hereinafter described and claimed.

In the drawing Figure 1 is an elevation of the handle applied to a can, the latter being shown in section and partly broken away. Fig. 2 is a top plan view of the handle. Fig. 3 is an end view thereof. Fig. 4 is a detail perspective view of one of the levers. Fig. 5 shows a somewhat different form of handle body or grip from that shown in Figs. 1, 2 and 3. Fig. 6 shows how the handle is utilized in connection with a mallet as a can opener for removing the top plate of the can.

In the construction shown, the handle A has a body portion or grip B which may be as shown in Figs. 1, 2 and 3 in which the metal plate C is reinforced by the wooden strips D riveted in place; or the grip may be as shown in Fig. 5 in which the metal plate E is rounded in cross section to afford a good hand-hold. At the ends of the grip B the handle has the downwardly projecting outwardly inclined arms C' at the ends of which are formed the clamp boxes C<sup>2</sup> having the top plates C<sup>3</sup> the outer depending side or jaw plates C<sup>4</sup> and the bearing lugs C<sup>5</sup> having openings in which are journaled the trunnions F of the levers G which latter have the cam jaws H to oppose the fixed jaws C<sup>4</sup> of the handle and clamp the sides of the can I as shown in Fig. 1. The arms C' and top plates C<sup>2</sup> are provided with openings J for the handle portions G' of the levers as best shown in Figs. 2 and 3 of the

drawing. When applied and operated as shown in Fig. 1 the clamp devices at the ends of the handle clamp the upper edges of the can so the latter can be easily carried by the handle.

The handle can be made of either cast malleable iron and tinned, or may be stamped from sheet steel and either tinned or enameled, as desired.

By simply removing the top of the ordinary oil cans by the knife edge of plate C<sup>4</sup>, this handle may be placed on the top edge and clamped by means of the cams and the greater the load the more secure is the grip, the can being gripped by raising the handle portions of the cam levers and may be released instantly by simply pressing the handle portions of the cam levers.

The oil cans are used everywhere especially in mining districts for water buckets and are in some sections of the west also used by the water peddler as it is his custom to use a five gallon can for his standard measure.

It will thus be seen the handle makes possible the utilizing of a more or less waste product and being easily detachable a bright new can may be substituted for an old one in a moment, a convenience which will be greatly appreciated by those who ordinarily build a permanent wooden handle into the can and transfer it into a new one, only with considerable labor.

When the handle is removed easy access is had to the contents of the can.

We claim:

1. The handle herein described comprising a grip portion, downwardly projecting outwardly inclined arms at the ends of the grip portion, clamp boxes at the ends of said arms, and having top plates, depending fixed jaws and bearing lugs, the top plates and arms having openings and levers pivoted in the bearing lugs and having cams opposing the fixed jaws the levers also having handle arms operating in the openings of the top plates and inclined arms all substantially as set forth.

2. A handle having a body portion or grip and provided at the ends thereof with downwardly projecting outwardly inclined arms having their ends provided with clamp

boxes having the top plates, the outer depending side or jaw plates and the bearing plates or lugs and levers pivoted to said bearing plates or lugs and extending thence  
5 upwardly above the top plates of the clamp boxes and having beyond their pivots upturned portions forming cam-like jaws op-

posing the fixed jaws of the handle, all substantially as and for the purposes set forth.

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Witnesses:

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HELEN SCHLICHTING.