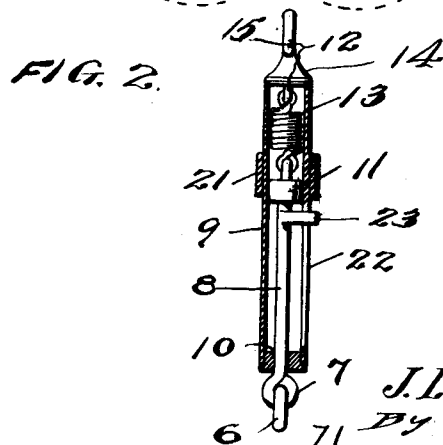
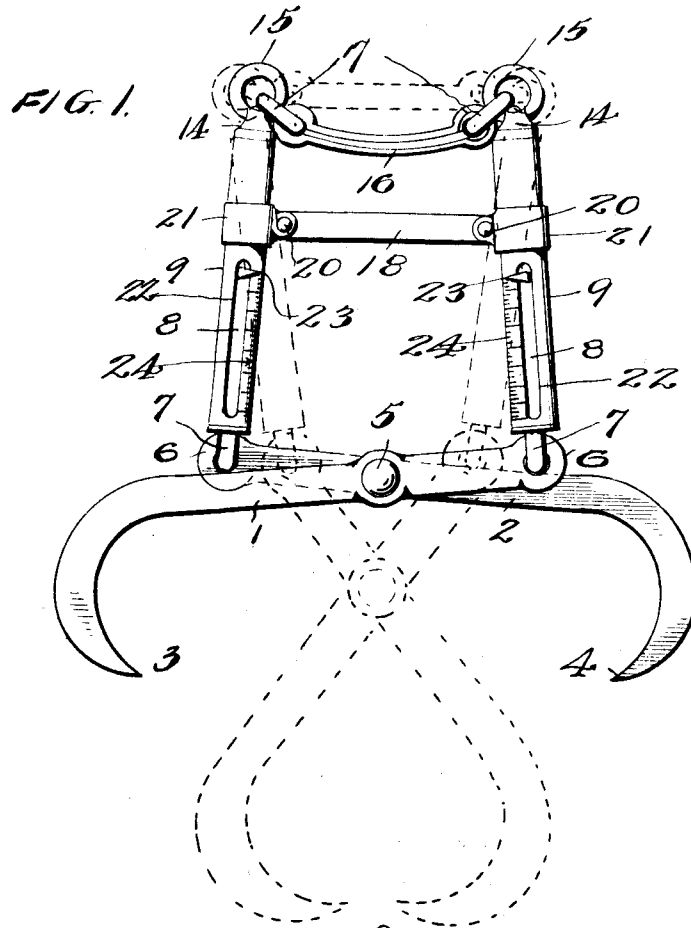


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JAMES L. SMALLWOOD, OF COFFEYVILLE, KANSAS.

ICE-TONGS AND SCALE.

1,059,083.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JAMES L. SMALLWOOD, a citizen of the United States, residing at Coffeyville, in the county of Montgomery and State of Kansas, have invented certain new and useful Improvements in Ice-Tongs and Scales, of which the following is a specification.

The present invention relates to an improved combined ice tongs and scales, and is designed to provide a device of this character which will be simple in its construction, automatic in its function of weighing, light in weight, durable, and efficient in its operation as a combined carrier and scale.

The invention consists essentially in the combination with the combined ice tongs and scales, of a flexible handle by which the parts are manipulated, and it further consists in certain novel combinations and arrangements of parts to be disclosed hereinafter.

In the accompanying drawings, I have illustrated one complete exemplification of the physical embodiment of my invention constructed according to the best mode I have so far devised for the practical application of the principles.

Figure 1 is a side elevation of a device embodying the novel features of my invention, showing in full lines the position of the ice tongs when carrying a piece of ice, and in dotted lines the position of parts when not carrying a weight, and the tongs closed. Fig. 2 is a vertical central sectional view of one of the scale barrels, and interior connections.

In the preferred embodiment of the invention, I employ the usual ice tongs 1 and 2 formed with the hooks 3 and 4 and pivoted at 5 by means of the usual bolt. The shorter arms of the ice tongs are provided with an eye 6, and each eye is loosely connected to an eye 7 on the end of a bar or rod 8. Said bar is incased in the scale barrel 9, which latter is closed at the bottom, as at 10, by a perforated plug through which the bar is adapted to move. Near the upper end each bar

has a head 11 movable as a guide within the scale barrel 9, and at its extreme upper end the bar is formed as a hook or eye 12 to which is attached one end of a coiled spring 13. The spring 13 connects the bar or rod 8 with the cap 14 which closes the upper end of the scale barrel, and said cap is formed with an attaching ring 15.

The barrels 9 at their upper ends are connected, through the medium of the rings 15, by a flexible hand grasp 16. This hand grasp is preferably of leather, but it will be understood of course that the hand grasp may be constructed of other material that will provide a flexible medium for connecting the two rings 15. The leather hand grasp is connected to the rings 15 by means of links 17, which latter add to the flexibility of the handle. The two barrels 9 are also connected by a second hand-grasp or handle 18, which is a metallic or wooden bar pivoted at its ends, as indicated at 20, to a clamp ring 21, 21, secured about the barrels 9. Each barrel 9 is slotted as at 22, 22, for accommodation of the needle 23, carried by the scale bar 8, and a scale 24 is marked on each barrel in position to be traversed by the needle 23.

In the drawings, Fig. 1, and in dotted lines the device is illustrated in closed position, and without a load.

In order to open the hooks and grasp a piece of ice, with both handles 16 and 18 held in the same hand, for instance with the four fingers clasped about the handle 18 and the thumb over the flexible handle, pressure is brought to bear on the straight flexible hand grasp. This pressure bends the flexible handle and brings it nearer the handle 18. This action also draws the upper ends of the scale barrels toward each other and moves the lower ends from each other. The outward movement of the lower ends of the barrels draws the pivot of the tongs upwardly, and spreads the hooks, as shown in full lines.

The action of the scales will be readily understood. The weight of a piece of ice

held in the hooks will pull on the tongs and scale bars to distend the springs and the needles will indicate on the scale the weight.

Having thus fully described my invention,
5 what I claim as new and desire to secure by Letters Patent is:

In an ice tongs, the combination with side bars and tongs pivoted at the ends of the bars, a ring in the upper end of each bar,
10 a rigid link in each ring and a flexible

handle connecting said links, and a rigid bar pivotally connected to the side bars between the tongs and the flexible handle.

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

JAMES L. SMALLWOOD.

Witnesses:

J. L. LANG,

A. A. KRUGG.