(No Model.) 2 Sheets—Sheet 1.

R. COTNER.

ICE TONGS.

No. 597,958. Patented Jan. 25, 1898.

FIG. 1.

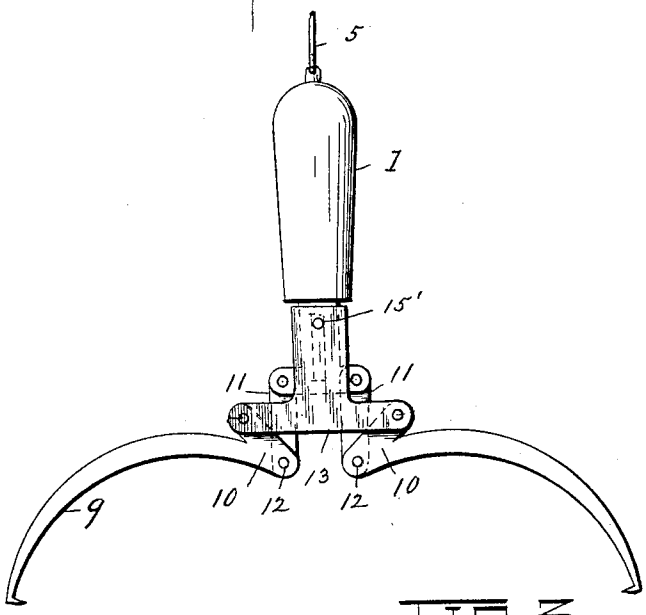


FIG. 2.

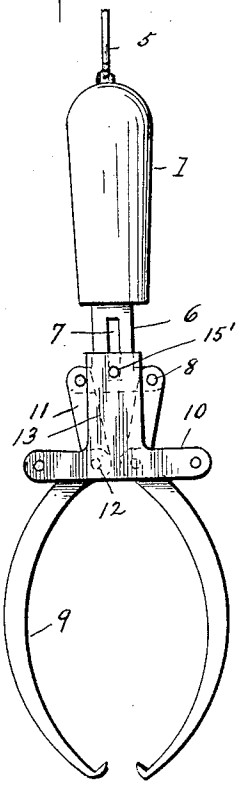
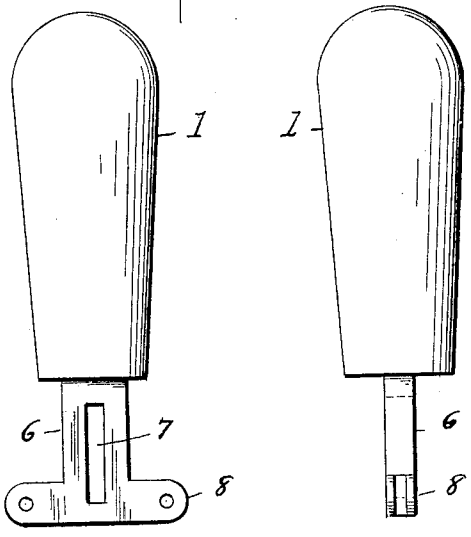


FIG. 3



Witnesses
Daniel R. Turner
L. A. Kneessi.

Inventor
D. R. Cotner.
By A. B. Wilson
Attorney

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

(No Model.) 2 Sheets—Sheet 2.

D. R. COTNER.

ICE TONGS.

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FIG. 4.

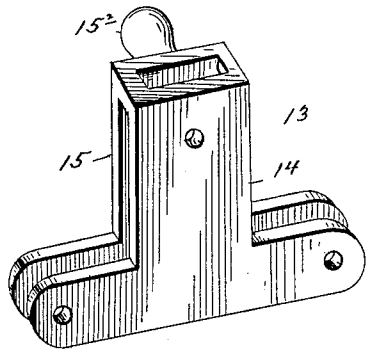


FIG. 5.

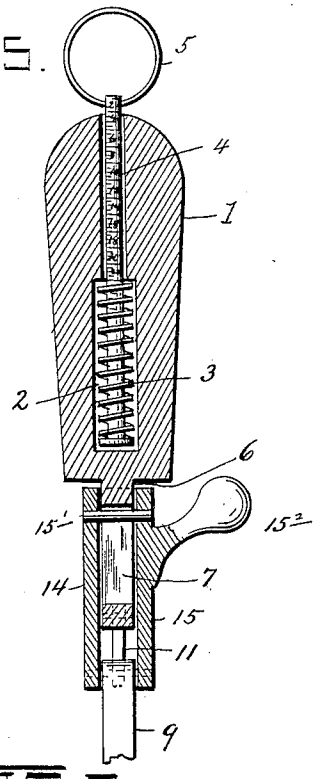


FIG. 6

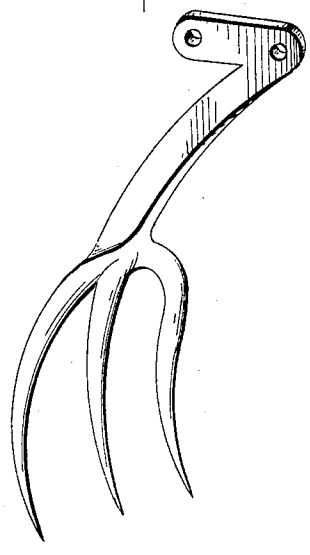
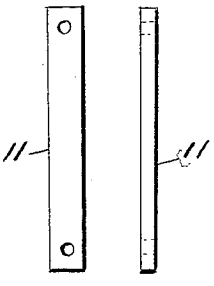


FIG. 7.



Witnesses
Saml R. Turner
G. A. Krecsi.

Inventor
D. R. Cotner.
By A. B. Wilson
Attorney

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

DAVID RODOLPH COTNER, OF BARDWELL, KENTUCKY, ASSIGNOR OF ONE-HALF TO D. K. LAYTON, OF SAME PLACE.

ICE-TONGS.

SPECIFICATION forming part of Letters Patent No. 597,958, dated January 25, 1898.

Application filed April 29, 1897. Serial No. 634,400. (No model.)

To all whom it may concern:

Be it known that I, DAVID RODOLPH COTNER, a citizen of the United States, residing at Bardwell, in the county of Carlisle and State of Kentucky, have invented certain new and useful Improvements in Ice-Tongs; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention has relation to tongs, and more particularly to ice-tongs; and the object of the invention is to provide a novel and simple pair of tongs and also to provide them with a scale by means of which a customer may ascertain if the weight purchased has been supplied.

With this object in view the invention consists of certain features of construction and combination of parts which will be hereinafter fully set forth and claimed.

In the accompanying drawings, Figure 1 is a side elevation of my improved tongs, showing the blades open. Fig. 2 is a similar view showing them closed. Fig. 3 comprises two views of the handle, taken from different points. Fig. 4 is a perspective view of the frame for actuating the blades. Fig. 5 is a vertical sectional view through the handle, illustrating the scale. Fig. 6 is a view of a modified form of the tongue-blades. Fig. 7 comprises two views of the links, taken from different points.

In the drawings, 1 denotes the handles of the tongs, which are provided with a central bore 2, in which is secured a spring 3, attached to a scale-rod 4, having a suspension-hook 5, by means of which the tongs with their load may be suspended and the weight ascertained by the scale-rod. The lower end or shank 6 of the handle is provided with a vertical slot 7 and with laterally-projecting ears 8.

9 denotes the blades of the tongs, the upper ends of which are provided with lateral extensions 10.

11 denotes links pivoted to the shank-ears and to the tongs at 12.

13 denotes a frame for actuating the tongs. This frame consists of two side pieces 14 and 15, having laterally-projected ears, which are pivoted to the extensions of the tongs. A pin or bolt 15′ passes through the upper ends of the frame and through the slot in the shank of the handle.

15^2 denotes a handle, which is secured to the side of the frame.

In operation the handle is grasped by one hand, and by raising the frame by its knob or handle the blades of the tongs will be separated and in this position may be placed about the article to be lifted. Then by releasing the handle of the sliding frame the weight of said frame, combined with that of the blade, will cause the blades to firmly engage the article to be lifted.

This form of scale is designed particularly for the use of ice-men, but I contemplate providing the tongs with blades of the form shown in Fig. 6, which will permit of the tongs being used in private families for lifting and weighing articles.

Although I have specifically described the construction and relative arrangement of the several elements of my invention, I do not desire to be confined to the same, as such changes or modifications may be made as clearly fall within the scope of my invention, without departing from the spirit thereof.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

In a pair of tongs, the combination with a handle, the shank of which is provided with a longitudinal slot and with laterally-projected ears, of blades having angular extensions, links connecting the blades to the ears of the shank, a slidable frame having ears connected to the angular extensions of the blades, and a pin passing through the frame and the vertical slot in the shank, said frame being provided with a handle or knob, substantially as set forth.

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

DAVID RODOLPH COTNER.

Witnesses:
F. M. DORROH,
B. L. ANDERSON.