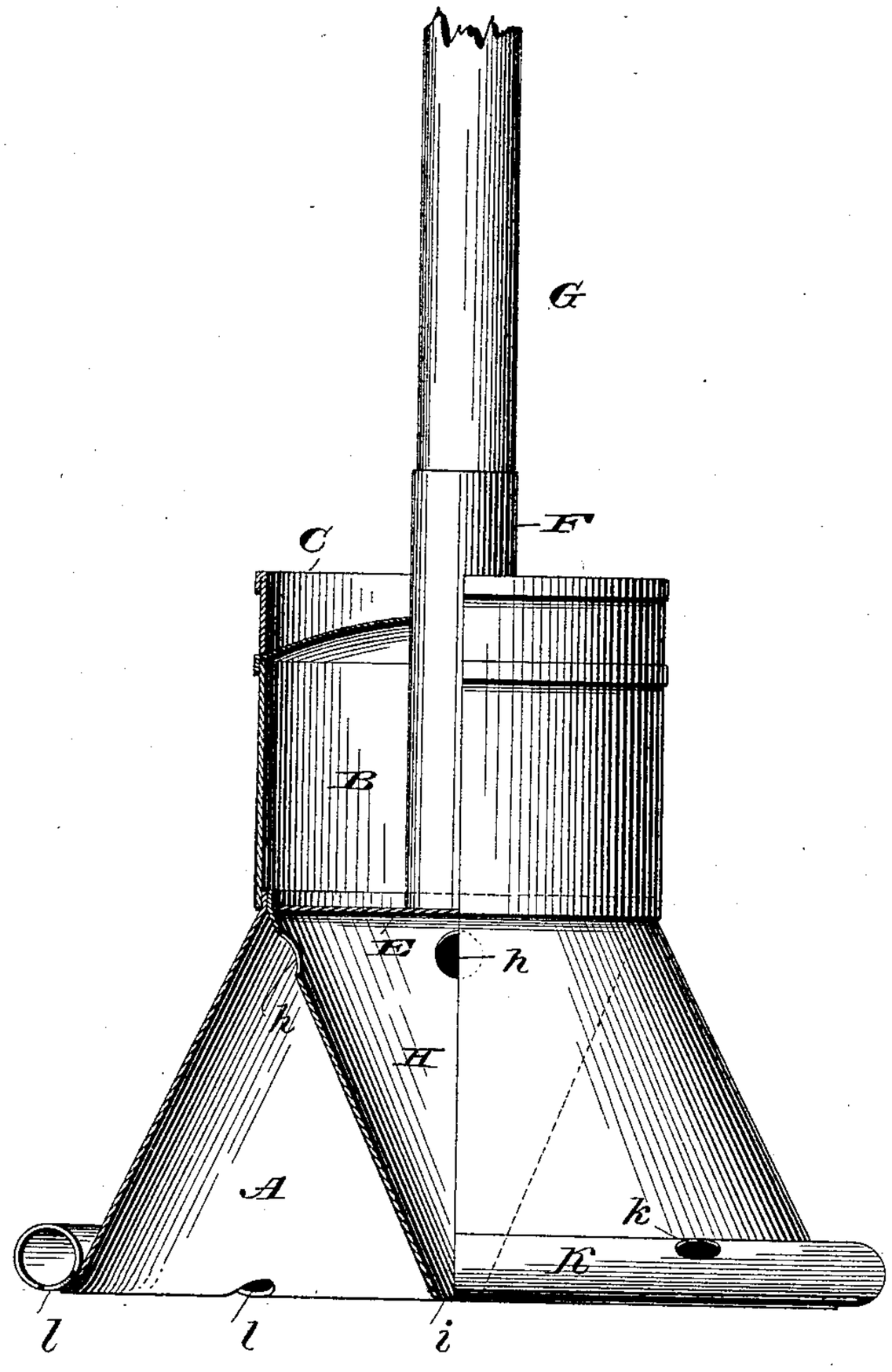
(No Model.)

B. A. SPENCER.

CLOTHES POUNDER.

No. 434,843. Patented Aug. 19, 1890.



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UNITED STATES PATENT OFFICE.

BENJAMIN A. SPENCER, OF AURORA, ILLINOIS.

CLOTHES-POUNDER.

SPECIFICATION forming part of Letters Patent No. 434,843, dated August 19, 1890.

Application filed July 3, 1890. Serial No. 357,669. (No model.)

To all whom it may concern:

Be it known that I, BENJAMIN A. SPENCER, a citizen of the United States of America, residing at Aurora, in the county of Kane and State of Illinois, have invented certain new and useful Improvements in Clothes-Pounders; and I do hereby 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, reference being had to the accompanying drawing, and to letters of reference marked thereon, which form a part of this specification.

This invention relates to improvements in clothes-pounders; and it consists in the construction and combination of the parts, as will be hereinafter fully set forth, and particularly pointed out in the claims.

In the accompanying drawing, the figure represents a side view, partly in section.

The clothes-pounder consists of an outer lower cone-section A, to the upper edge of which is secured a closed cylinder B, above which projects a rim C. The top plate of the cylinder is convex, as shown, and the lower plate E has secured thereto the lower end of a tube F, which extends through the top plate to form a socket for the reception of the handle G. The closed cylinder B forms an air-space, which is adapted to give buoyancy to the pounder when sunk below the level of the water.

To the upper edge of the cone-section A is secured an inverted cone H, having vents or openings *h* near its upper edge and an opening *i* at its lower end, said cone H extending downwardly on a line with the lower edge of the outer cone-section A. To the lower edge of the cone-section A is secured a tube K, which is provided at its upper portion with a series of openings *k*, and intermediately on its inner lower edge with openings *l*.

A clothes-pounder thus constructed will be rigid, and in use will be found to be light, as the closed cylinder assists in raising the same when in use. By providing the inner inverted cone with the openings *h*, which lead from the annular space around said cone, the air when forced from said annular space into the inner cone will be discharged forcibly out of the lower opening *i*, and assist materially in the forming of suds and washing. The water impregnated with soap will also be alternately forced and drawn through and out of the openings *k* and *l*, and by providing the lower edge of the outer cone with the tube herein described the alternately-arranged openings will prevent splashing to a great extent, and the air from the cones, instead of passing around the bottom of the outer cone-section A, will pass through the openings *l* and be discharged through the openings *k*.

I am aware that prior to my invention it has been proposed to provide a clothes-pounder with an inner funnel or cone attached to the inner walls of an outer cone, and I do not claim such construction, broadly, as such prior patent has no closed cylinder, nor is it provided with a tube at the lower edge of the cone-section.

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

1. The clothes-pounder consisting of an outer cone-section A, the outer lower edge of which is provided with a tube having alternating upper and lower openings *k* and *l*, and an inner inverted cone having upper openings *h* and lower openings *i*, together with a plate E and handle-socket, substantially as set forth.

2. In a clothes-pounder, the combination of the outer cone-section A, carrying at its lower edge a tube K, with alternating openings *k* and *l*, an inner cone having openings *h* and *i*, a closed cylinder B, a handle-socket extending through the same, and an upper rim C, the parts being constructed substantially as shown, and for the purpose set forth.

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

BENJAMIN A. SPENCER.

Witnesses:

D. B. CHAPMAN,

F. G. HAUCHETT.