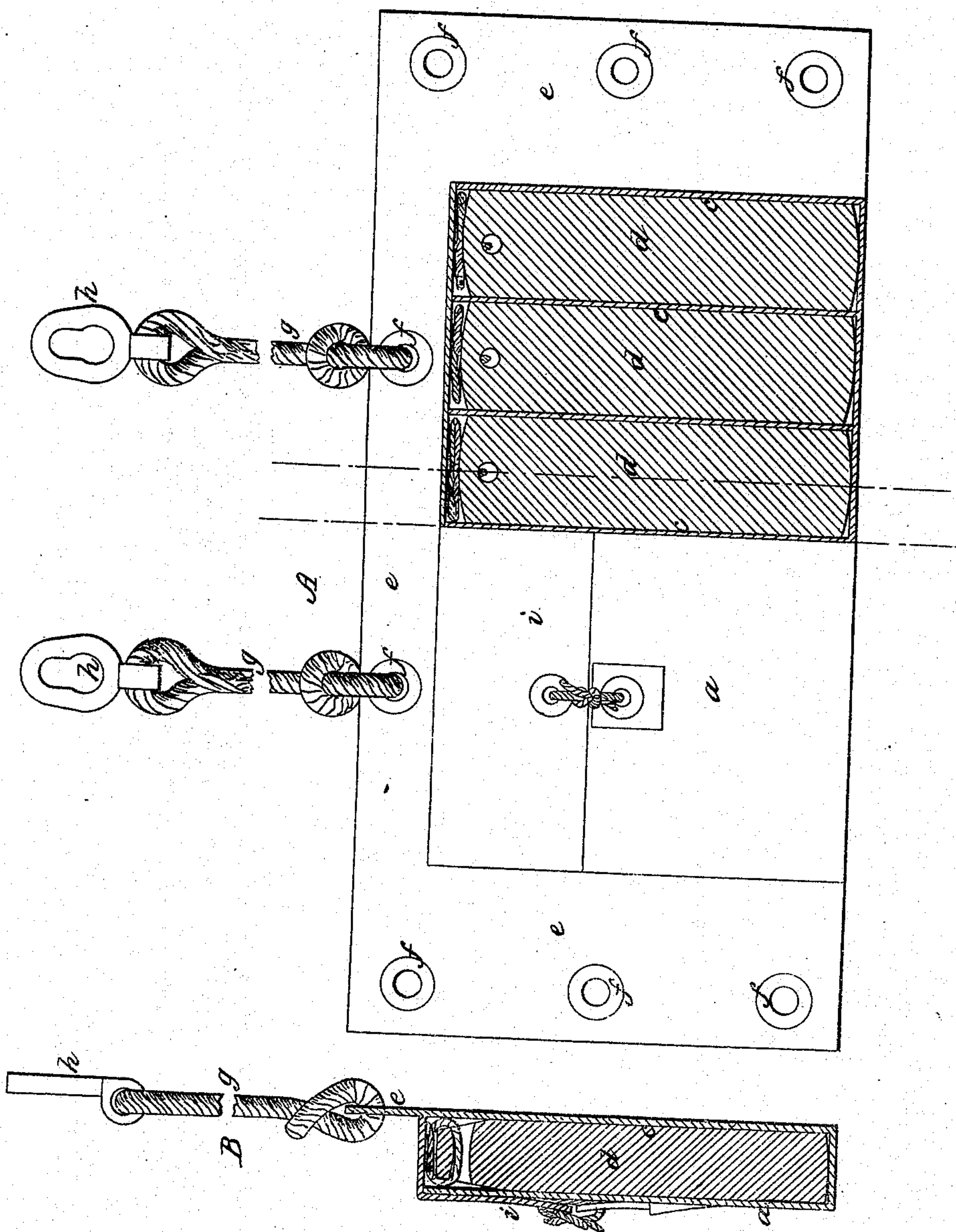


D. Hale.
Diving Armor.

N^o 67,874.

Patented Aug. 20, 1867.



Witnesses:
J. B. Kidder,
M. W. Frothingham

Inventor:
David Hale
Crowley, Alster & Gould Attys

United States Patent Office

DAVID HALE, OF BOSTON, MASSACHUSETTS, ASSIGNOR TO HIMSELF AND
ALFRED HALE, OF THE SAME PLACE.

Letters Patent No. 67,874, dated August 20, 1867.

IMPROVED APPARATUS FOR ATTACHING WEIGHTS TO SUBMARINE ARMOR.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, DAVID HALE, of Boston, in the county of Suffolk, and State of Massachusetts, have invented an Improvement in Attaching Weights to Submarine Armor; and I do hereby declare that the following, taken in connection with the drawings which accompany and form part of this specification, is a description of my invention sufficient to enable those skilled in the art to practise it.

The common method of attaching weights to submarine armor is to hang them directly around the neck, the weights being suspended upon cords and swinging loosely to and from the person. This means of securing the weights is not only inconvenient when the weights are worn, but occasions trouble in effecting change of weights; and the object of my invention is to provide a method for securing the weights which shall permit them to be readily changed without removal of their means of attachment.

The invention consists in a weight-holding box, provided with a series of vertical pockets or compartments, and with eyeleted flanges or flaps by which the weight-holding pockets are secured to the helmet and dress of the diver.

The drawing represents the device embodying my invention—

A showing the same, one-half in elevation and one-half in section, and B a vertical cross-section through one of the pockets.

a denotes a long box, made of a thickness to correspond with the thickness of each weight, and divided into a series of vertical pockets or compartments, *c*, each made of size to hold a long weight, *d*. The box and compartments are made of stout water-proof cloth, or of other suitable flexible material, and the back part extends out at the sides and top so as to form a flange, *e*, in which are formed eyelet-holes, to which (preferably) are secured metal eyelets, *f*, as seen at A. The upper eyelets serve to suspend the weight-holding box by cords *g* and metal eyes *h* to the helmet of the driver, while the side eyelets are used to secure the box firmly against his breast or body, so that there shall be no sway or swinging of the weights from and against the body. The pockets are provided with a confining-flap, *i*, by unfastening which any one or more of the weights may be readily removed from or placed in the pockets without disturbing any other weight or weights, or their means of connection of the weight-holder to the armor and dress, each weight being provided with a cord or other device for removing it from its pocket.

I claim a weight-holding and attaching device for submarine armor, the same consisting of the box divided into weight-pockets or compartments, and having eyeleted flanges for securing it in place, substantially as shown and described.

DAVID HALE.

Witnesses:

J. B. CROSBY,
FRANCIS GOULD.