E. P. DAVIS & W. J. GODFREY.

Mold for Casting Sash-Weight.

No. 209,237. Patented Oct. 22, 1878.

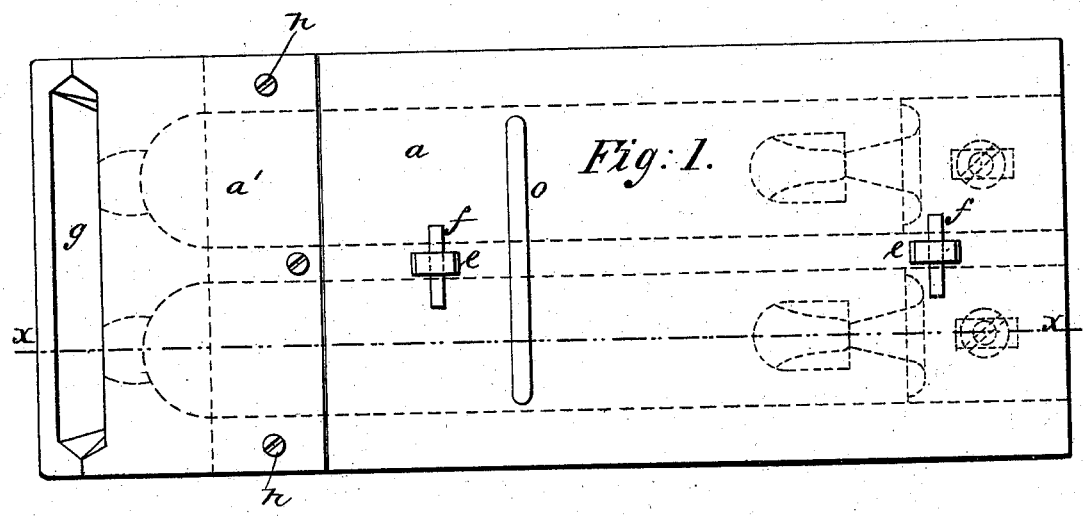

Fig: 1.

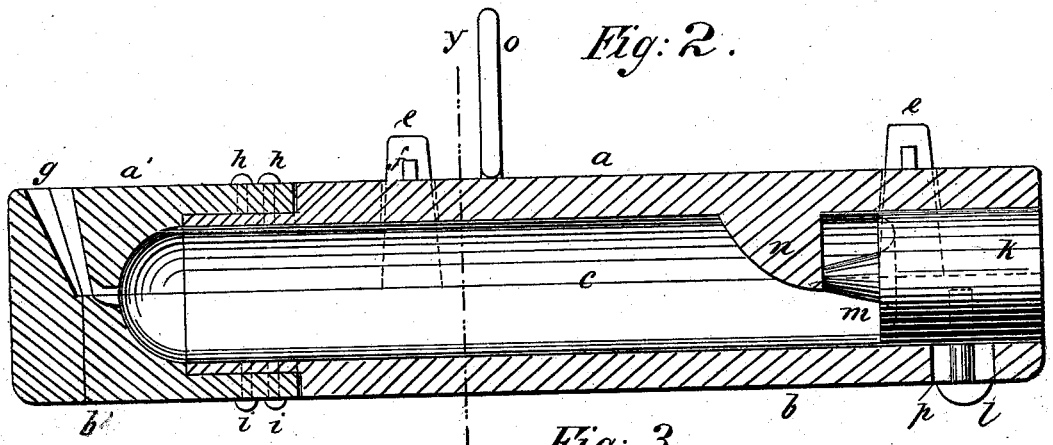

Fig: 2.

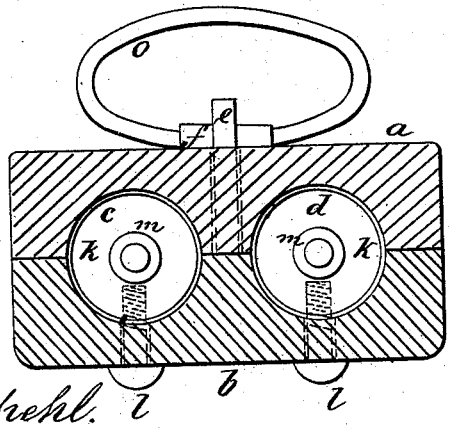

Fig: 3.

WITNESSES:

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UNITED STATES PATENT OFFICE.

EDGAR P. DAVIS AND WALTER J. GODFREY, OF OMAHA, NEBRASKA.

IMPROVEMENT IN MOLDS FOR CASTING SASH-WEIGHTS.

Specification forming part of Letters Patent No. **209,237**, dated October 22, 1878; application filed August 6, 1878.

To all whom it may concern:

Be it known that we, EDGAR PULASKI DAVIS and WALTER J. GODFREY, of Omaha, in the county of Douglas and State of Nebraska, have invented a new and Improved Mold for Casting Sash-Weights, of which the following is a specification;

The object of our invention is to provide a permanent mold for casting sash-weights, which will be available for use at any time, and suited for various sized weights.

Our invention consists in an iron or steel mold divided in two parts and constructed so as to be adjustable in length. It is also made with lugs and pins to form the eye for the cord, and a number of weights may be cast in the same mold.

In the accompanying drawing, Figure 1 is top view of our improved mold closed. Fig. 2 is a longitudinal section of the same at line *x x* of Fig. 1, and Fig. 3 is a cross-section at the line *y y*.

Similar letters of reference indicate corresponding parts.

The mold is made in two portions, *a b*, that are cored out in the form of two or more sash-weights, as seen at *c d*. *e e* are studs on the under part *b* of the mold, that pass through openings in the part *a*. These studs *e* cause the parts *a b* to go together correctly, and they are provided with a hole where they project above *a*, for the insertion of a wedge-pin, as seen at *f*, to lock the parts of the mold together. The upper end of the mold is formed so that when the parts *a b* are together a space, *g*, is left, which serves as a pouring hole or gate, and communicates with each space *c d*. The ends *a' b'* of the mold are made separate from the other parts and attached by screws *h h* and *i i* to the parts *a* and *b*, respectively. This construction permits the head of the mold to be extended or longer parts attached to lengthen the spaces *c* and *d*, and consequently increase the length of the sash-weight cast in the mold. *k k* are plugs attached to the under part, *b*, of the mold in the spaces *c d*, so as to close the ends of said spaces when the mold is secured together. These plugs *k* are held in place by screws *l*, which pass through slots *p* in the under side of *b*, to permit the adjustment of plugs *k*. *m m* are center-pins projecting from the inner end of plugs *k*. When the mold is together these pins *m* abut against the lugs *n* that project downward from the part *a*. The pins *m* and lugs *n* form the cord-hole when the weight is cast; and by the adjustment of plugs *k* by the screws *l* the pin *m* can be set closely against *n*, so that a clean hole will be formed.

o is a handle attached to the upper part of the mold.

The mold above described is made of iron or steel, and may be constructed so as to cast any number of weights at once. It is always ready for use, and will turn out smoother and better weights than the ordinary sand mold. It also does away with the labor of preparing sand molds.

Having thus described our invention, we claim as new and desire to secure by Letters Patent—

1. The ends *a' b'*, detachably secured to the parts *a b* of the metal mold by lap-joints and screws, substantially as and for the purpose described.

2. The part *a* of the metal mold, provided with the detachable end *a'* and projecting lug *n*, in combination with the part *b*, provided with the detachable end *b'* and adjustable plug *k* and pin *m*, substantially as and for the purpose described.

EDGAR PULASKI DAVIS.
WALTER JOHN GODFREY.

Witnesses:
HIRAM A. STURGES,
HUGH KILLEN.