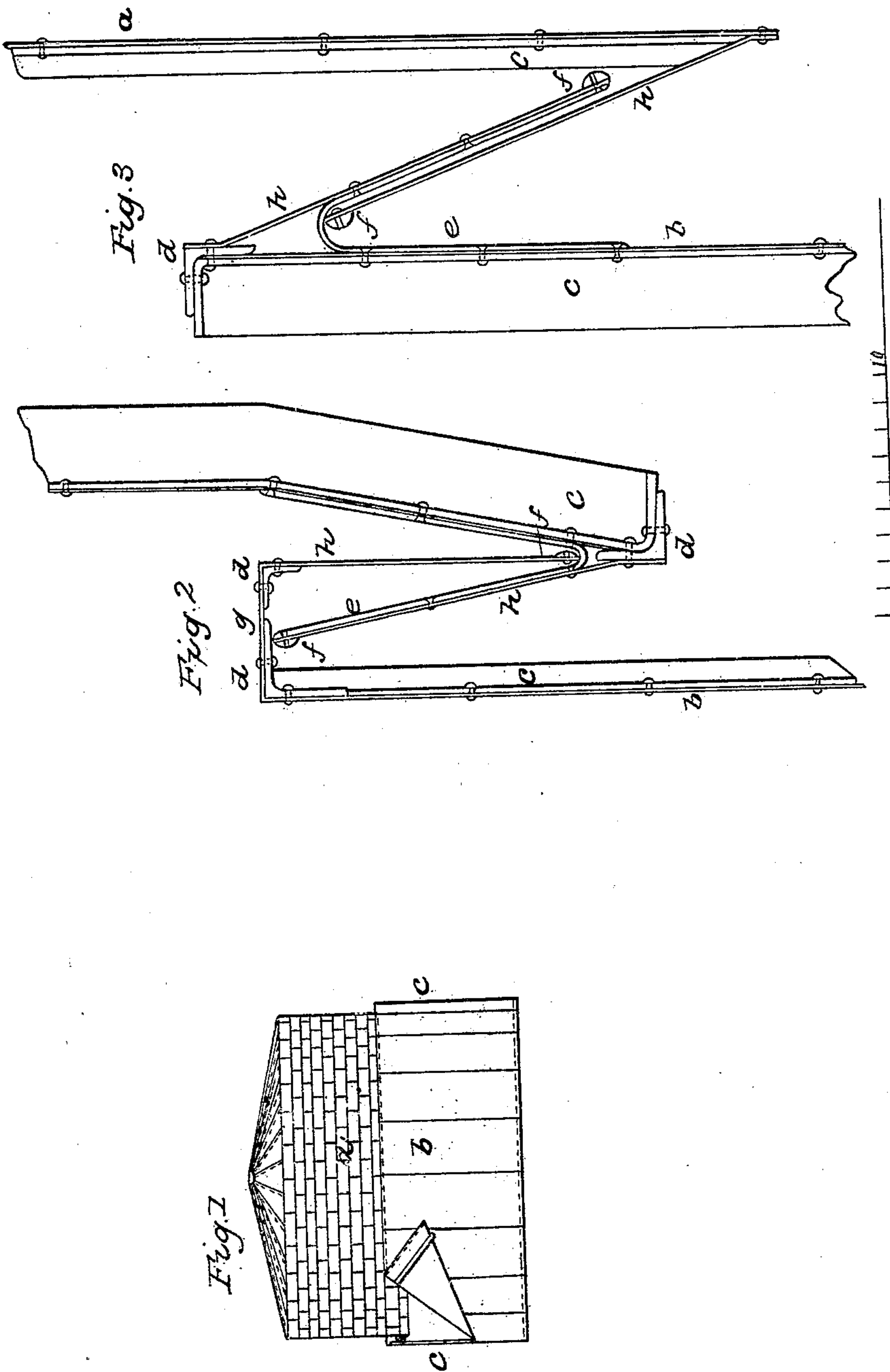


G. W. KRAFT.  
Gas Holder.

No. 21,887.

Patented Oct. 26, 1858.



# UNITED STATES PATENT OFFICE.

G. W. KRAFT, OF PHILADELPHIA, PENNSYLVANIA.

## GASOMETER.

Specification of Letters Patent No. 21,887, dated October 26, 1858.

*To all whom it may concern:*

Be it known that I, G. W. KRAFT, of Philadelphia, in the county of Philadelphia, in the State of Pennsylvania, have invented a new and Improved Method of Constructing the Cup for the Water-Lute of Gasometers; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon.

The same letters refer to like parts.

Figure 1 is an elevation of telescope gasometer, Fig. 2 and Fig. 3 transverse sections of the same, in which the improved V cup is shown on the inner section, and the ordinary square cup on the outer section, of Fig. 2, and the V cup is shown on both the inner and outer sections of Fig. 3.

*a* is the shell of upper section, *b*, the shell of lower section, *c*, angle iron legs, *d*, angle iron rings of cup, *e*, stay irons to strengthen cup, *f*, bead iron on edge of cup, *g*, plate ring of square cup, *h*, cup rim.

In the construction of my improved cup, or lute, I dispense with the plate ring *g*, and one of the angle iron rings *d*, and by a single course of rivets secure the shell, angle iron ring, and the cup rim firmly together, or if preferred, the plate ring, and the angle iron rings may all be dispensed with and the

shell, and cup rim be riveted together as shown by the upper section of Fig. 3. By this arrangement and form of cup, or lute there is great economy of construction, and much less weight of iron, while at the same time the weight of water is greatly reduced, but one half the quantity being required.

It will readily be perceived that my improved V cup may be used with equal facility, whether applied to both sections of the gasometer, or to one section only and working in connection with the ordinary square cup on the other section.

Having thus fully described my invention, and the mode of applying it, I wish it distinctly understood that I do not claim the ordinary square cup represented by the outer section Fig. 2, but

What I do claim as new, and desire to secure by Letters Patent is—

The construction, and application of the V shaped cup or lute whether as shown by the inner section Fig. 2 or by the inner or outer section Fig. 3, and this I claim whether it be accomplished precisely as herein described, or in any manner equivalent thereto, producing substantially the same result.

GEO. W. KRAFT.

Witnesses:

G. W. HOLLINGSWORTH,  
THOMAS GREER.