

(No Model.)

L. STONE.

FISH EGG HATCHING TROUGH.

No. 277,805.

Patented May 15, 1883.

Fig. 1.

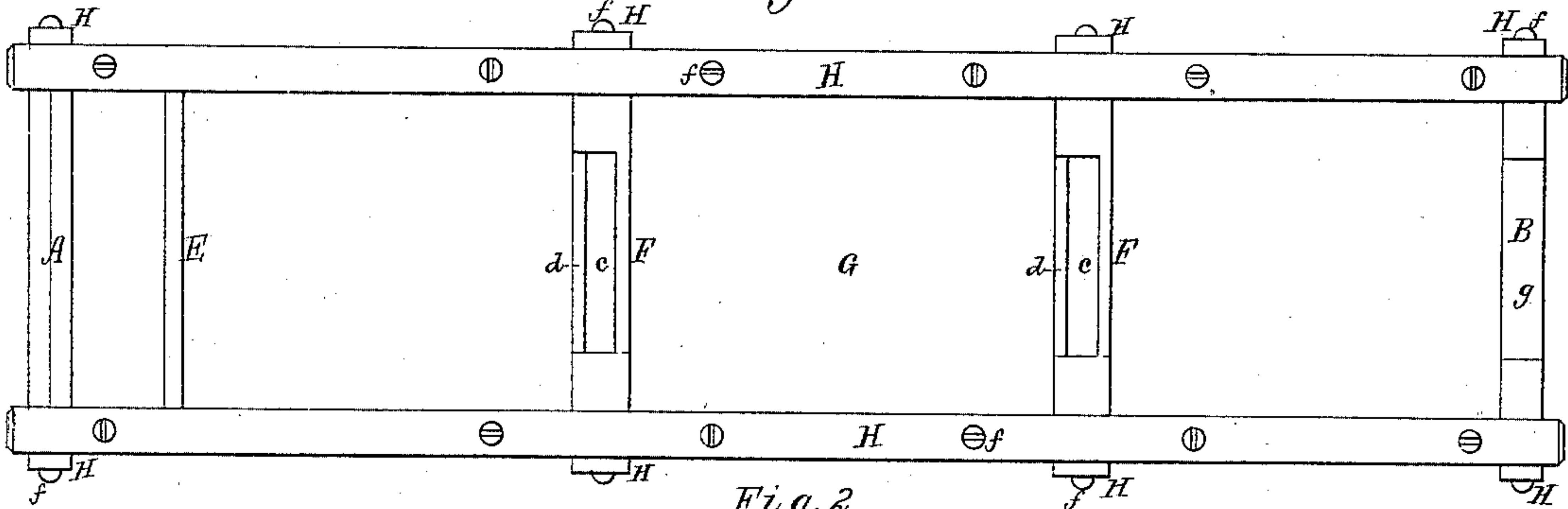


Fig. 2.

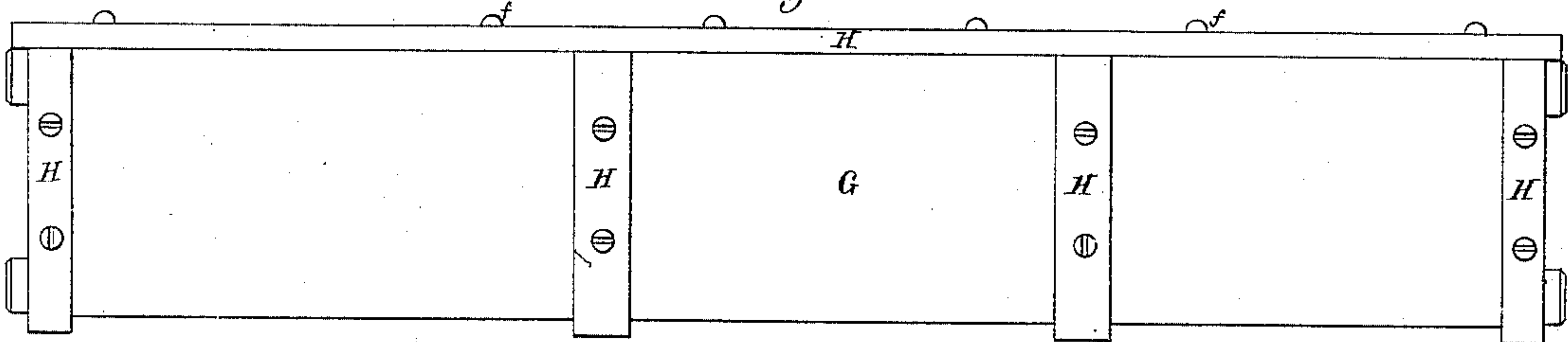


Fig. 4.

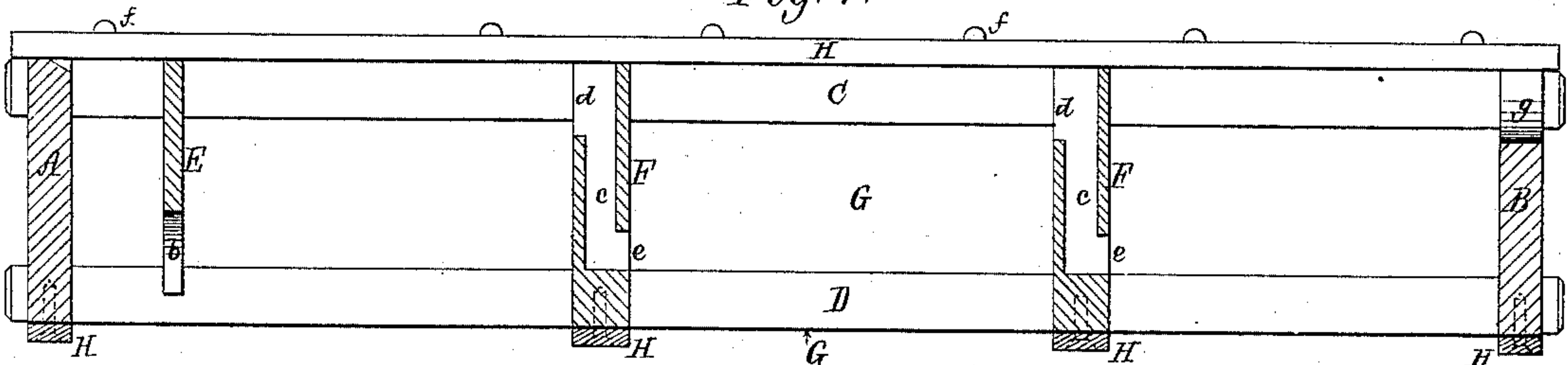


Fig. 6.

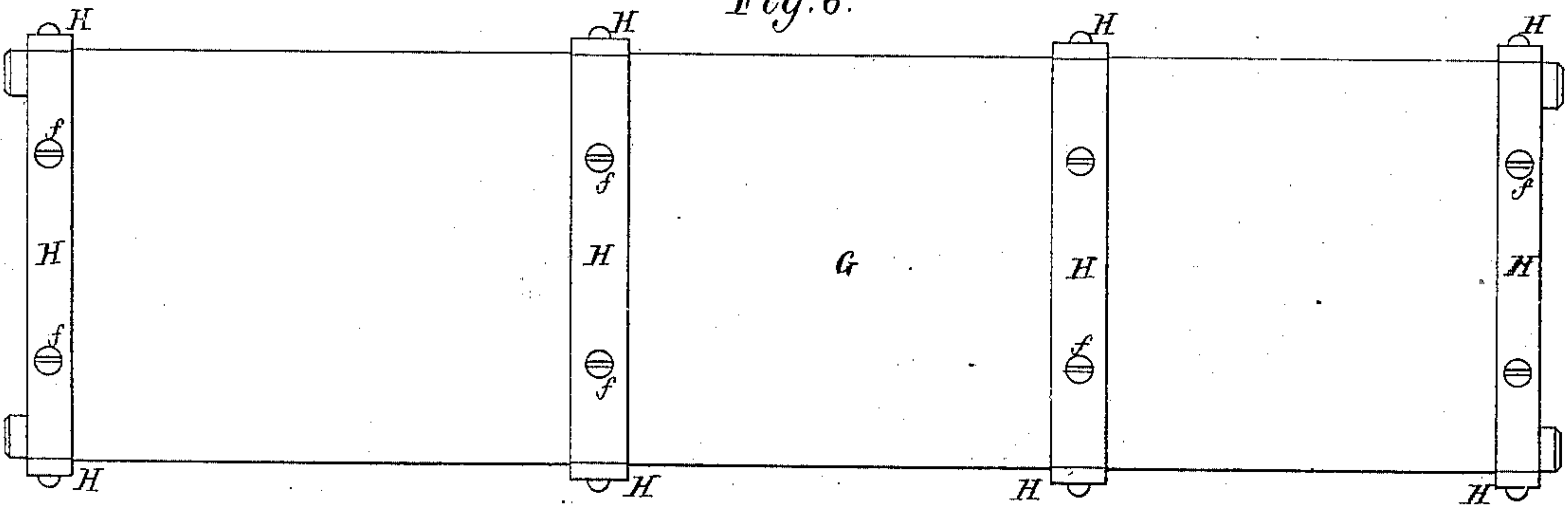


Fig. 3.

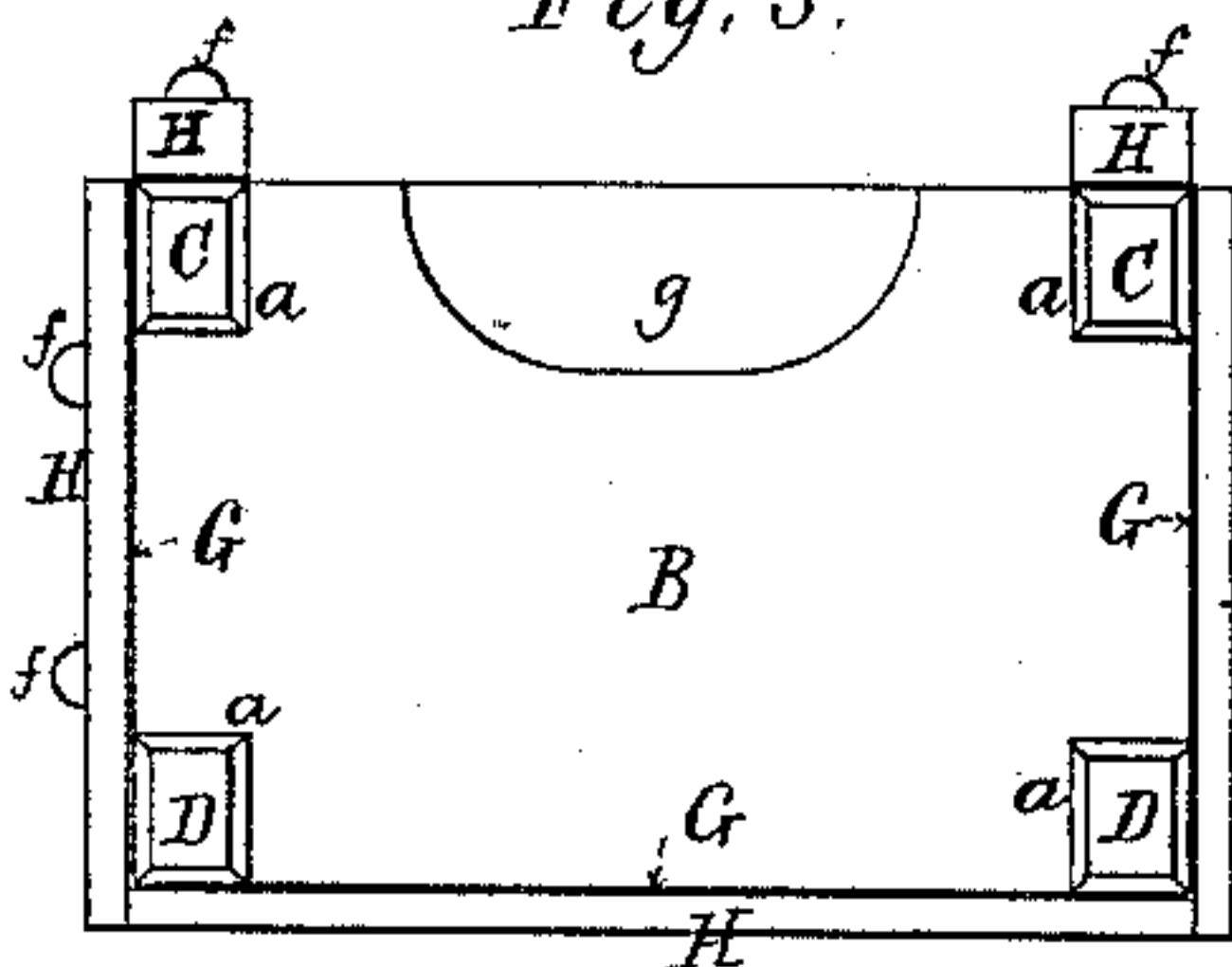
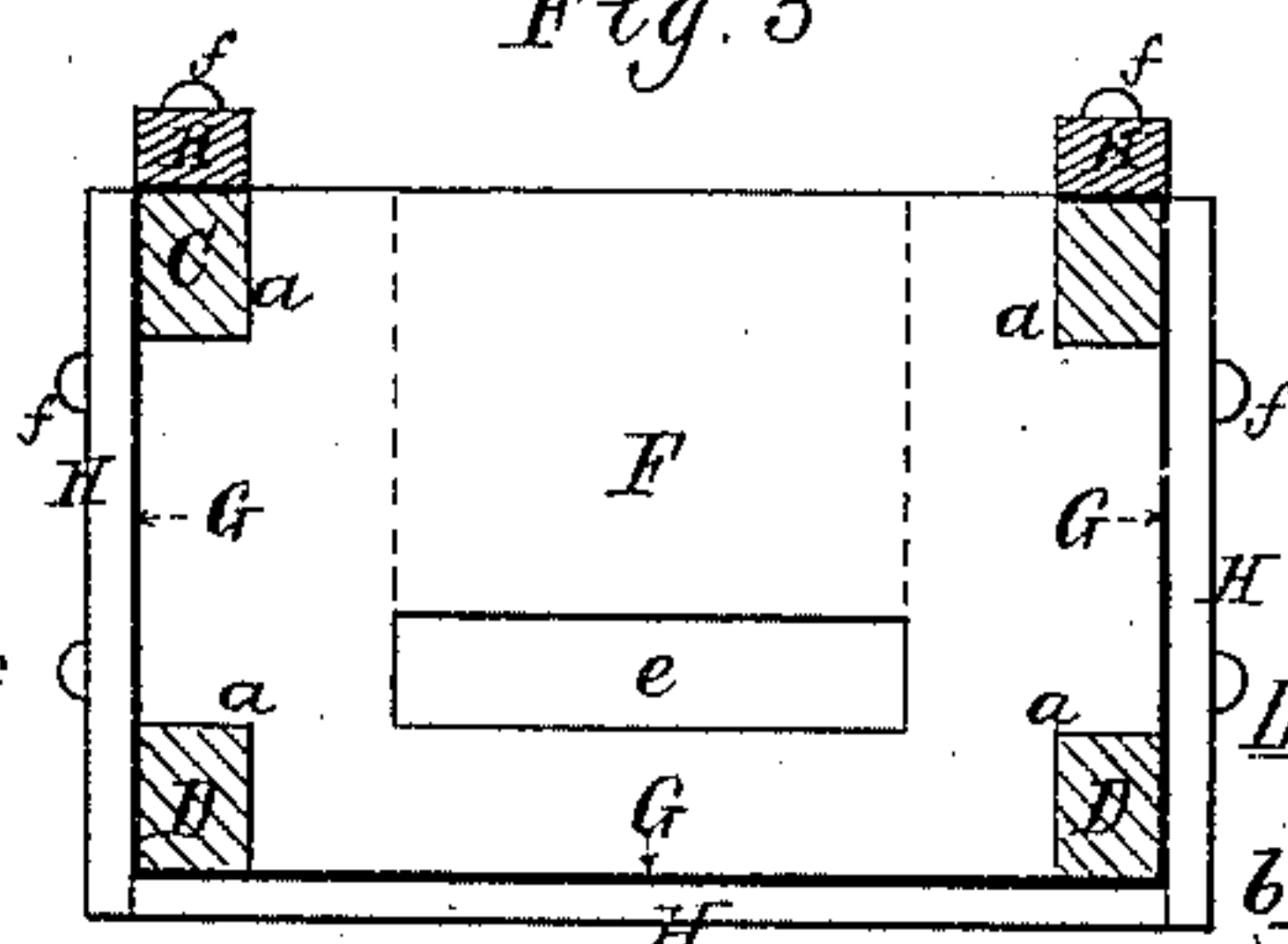


Fig. 5.



Witnesses
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UNITED STATES PATENT OFFICE.

LIVINGSTON STONE, OF CHARLESTOWN, NEW HAMPSHIRE.

FISH-EGG-HATCHING TROUGH.

SPECIFICATION forming part of Letters Patent No. 277,805, dated May 15, 1883.

Application filed March 26, 1883. (No model.)

To all whom it may concern:

Be it known that I, LIVINGSTON STONE, of Charlestown, in the county of Sullivan, of the State of New Hampshire, have invented a new and useful Improvement in Fish-Egg-Hatching Troughs; and I do hereby declare the same to be described in the following specification and represented in the accompanying drawings, of which—

Figure 1 is a top view, Fig. 2 a side elevation, Fig. 3 an end view, Fig. 4 a longitudinal section, Fig. 5 a transverse section, and Fig. 6 a bottom view, of a hatching-trough embodying my invention, the nature of such invention being defined in the claim hereinafter presented.

The said hatching-trough is analogous to the well-known "Williamson hatching-trough;" but differs from it in construction, whereby it can be readily taken apart and folded into a smaller compass for package or transportation. Instead of having sides and bottom made of solid wood, such in my improved trough are composed of a light water-proof fabric or cloth stretched and laid and fastened on longitudinal bars connecting the wooden ends and partitions of the trough, and confined thereto by means of cleats and screws, as represented. The employment of the light water-proof fabric or cloth for the sides and bottom of the trough, and having the parts supporting such cloth or fabric constructed and adapted so as easily to be taken apart and connected together and to it, are material elements in my invention or improvement, and which render the trough of much value, and very advantageous in several respects, in comparison with various well-known kinds of fish-egg-hatching troughs in use.

In the drawings, A and B denote the two ends of the trough, each of which is a rectangular piece of board notched at its four corners, as shown at *a*, to receive flush with its edges four connecting-bars, C C and D D.

Arranged between the two ends A B, and

at suitable distances apart, is a series of partitions, E F F, each of which, like the said ends, is notched at its corners to receive the four connecting-bars C C and D D. The partition E has an arched notch or passage, *b*, extending through it from its lower edge upward a suitable distance. Each partition F has a passage, *c*, leading down through it, and open laterally at top and bottom, as shown at *d* and *e*.

The water-proof cloth or fabric to constitute the sides and bottom of the trough is shown at G, it being carried around the four connecting-bars C C and D D in manner as shown in Fig. 5, and fastened to their upper edges and to the side and bottom edges of the end pieces and partitions by a series of cleats, H, laid upon it in manner as represented, and fastened to it and the said bars, end pieces, and partitions by screws *f*, going through it and each cleat and the part next adjacent to the cleat, all being adapted and arranged substantially as shown in the drawings.

This fish-egg-hatching box is intended for use with trays placed in its several larger compartments, the eggs to be hatched being arranged in such trays. The water passing into the trough at one end will flow from one of such compartments to the other and upward through each series of trays and escape at the other end of the trough, which is notched, as shown at *g*, to allow the water to pass off at a proper level.

I claim—

The fish-egg-hatching trough, substantially as described, composed of the notched end pieces, four connecting-bars, the series of notched transverse partitions, and the water-proof cloth or fabric and its fastening cleats and screws, arranged and adapted essentially as set forth.

LIVINGSTON STONE.

Witnesses:

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