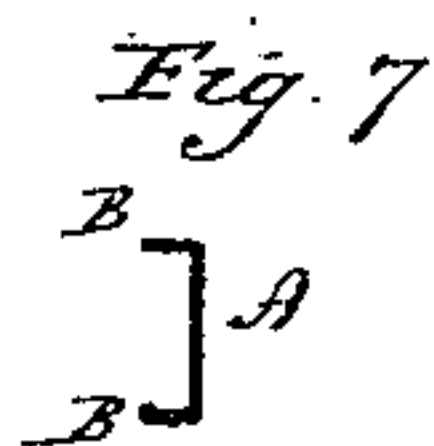
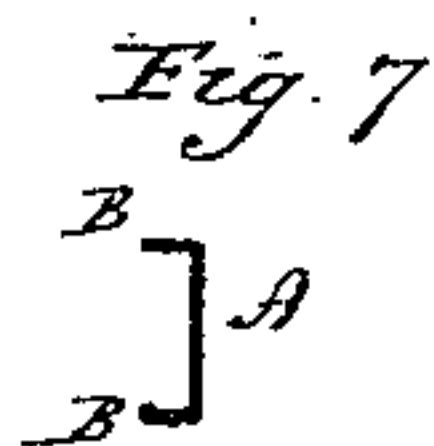
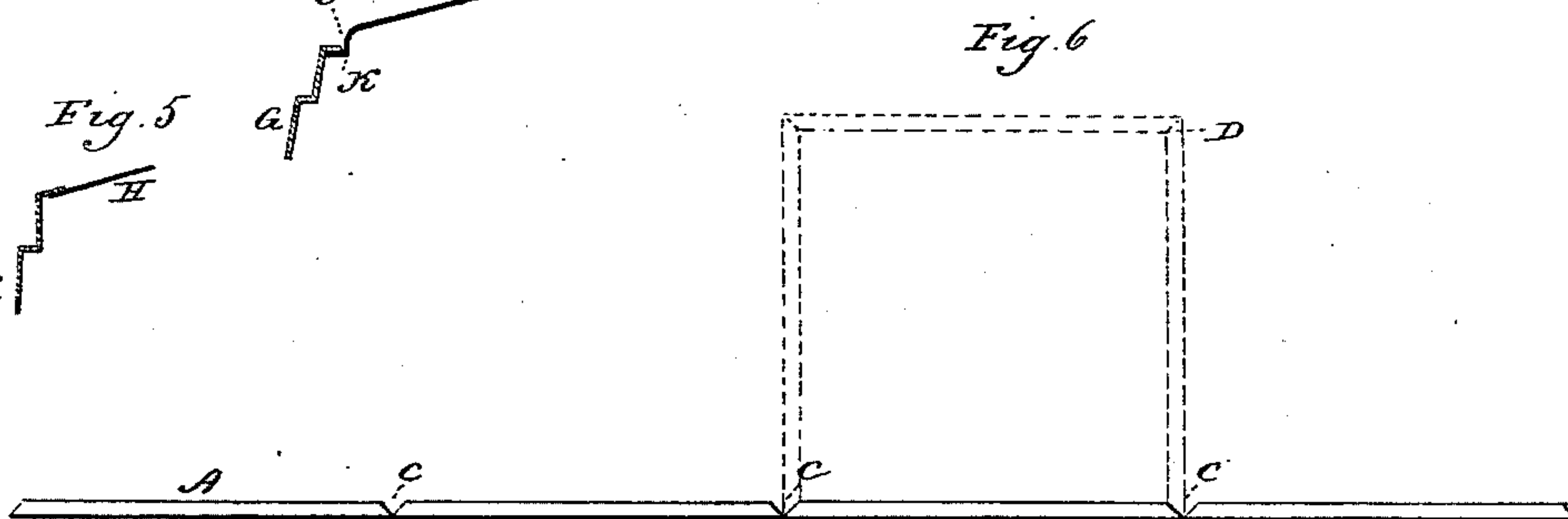
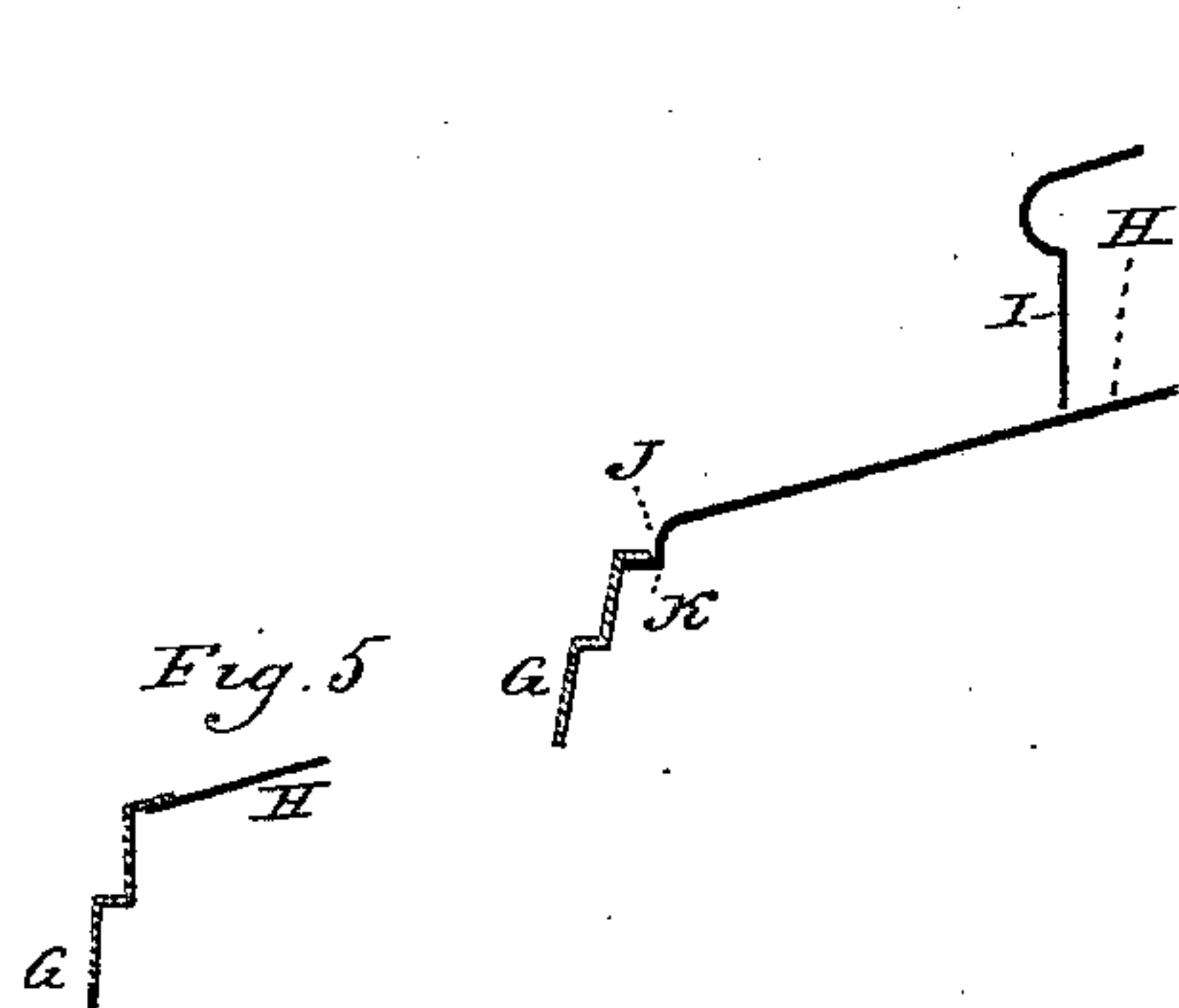
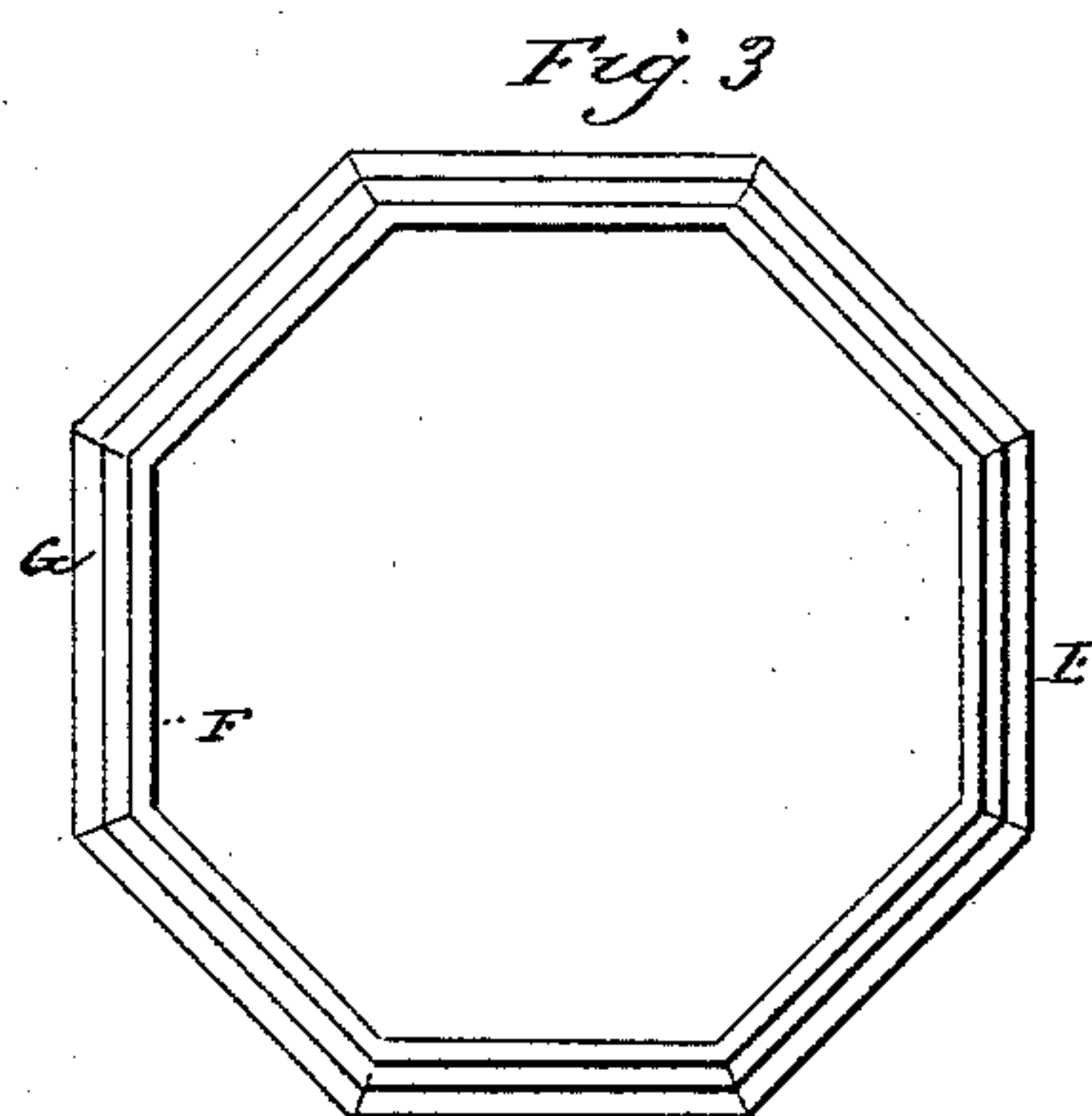
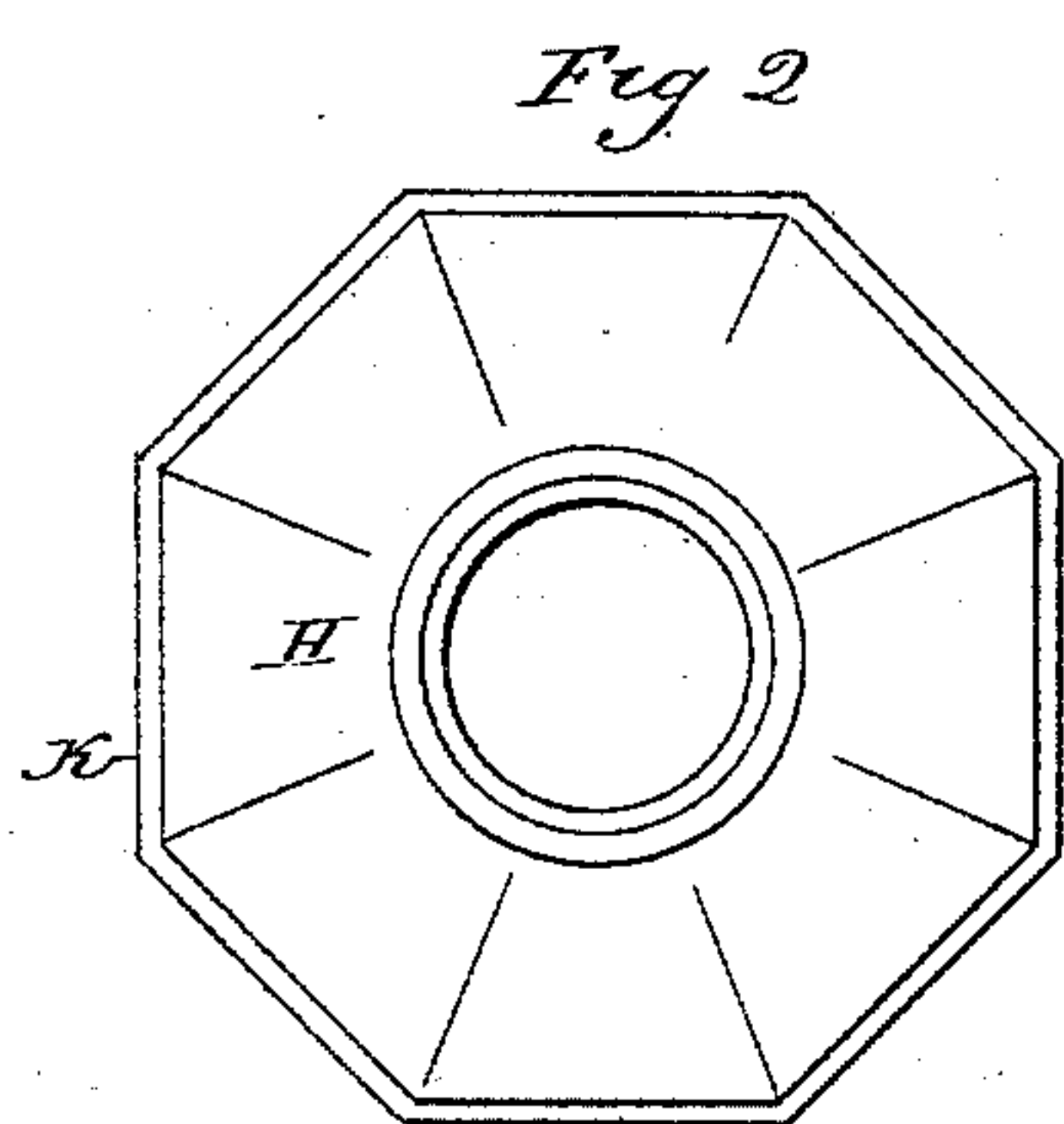
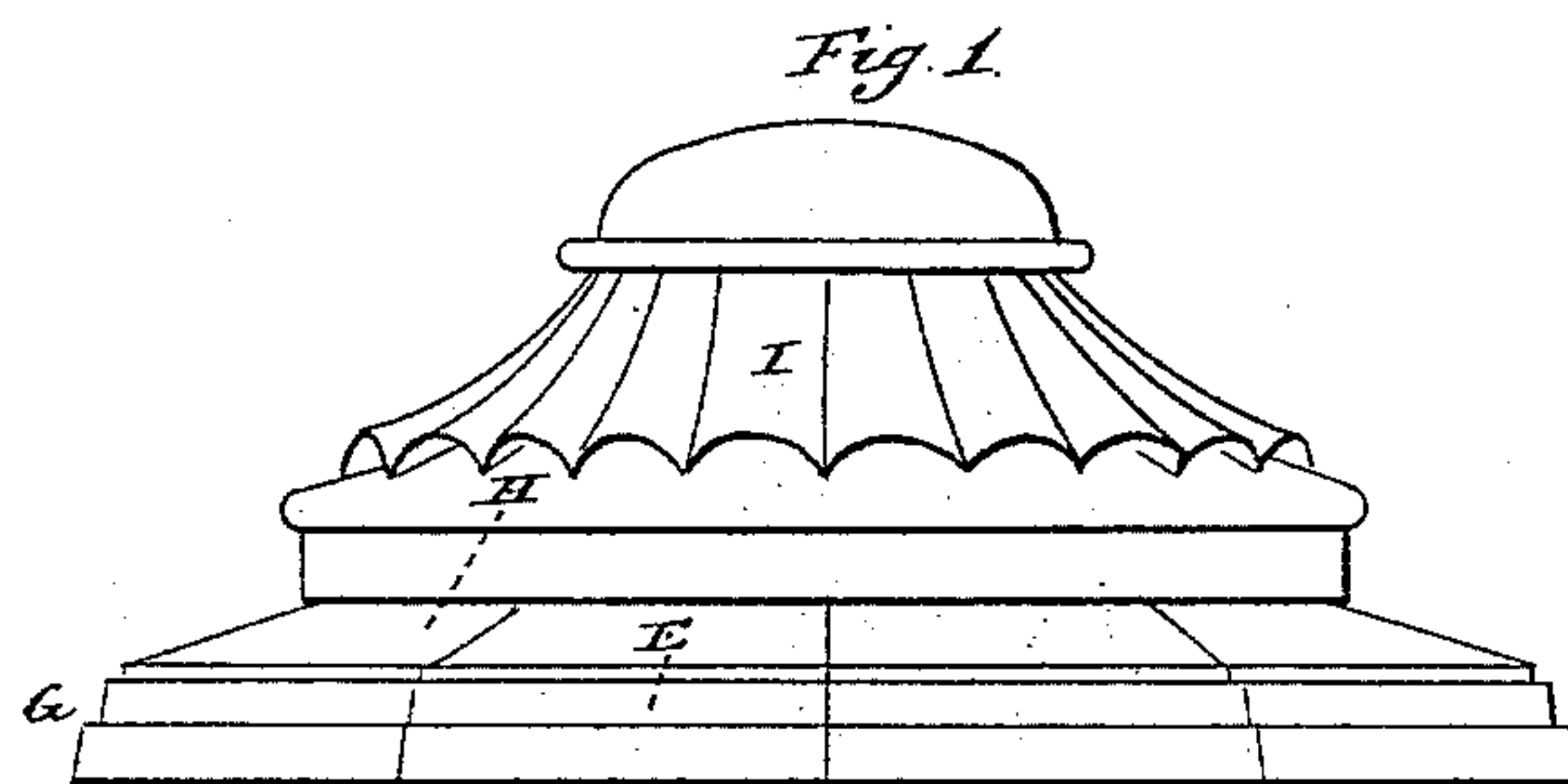


(No Model.)

O. W. SWIFT.
COACH LAMP HEAD.

No. 437,948.

Patented Oct. 7, 1890.



Witnesses:
J. H. Shuman of
Fred C. Earle

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UNITED STATES PATENT OFFICE.

ORRIN W. SWIFT, OF NEW HAVEN, CONNECTICUT.

COACH-LAMP HEAD.

SPECIFICATION forming part of Letters Patent No. 437,948, dated October 7, 1890.

Application filed October 7, 1889. Serial No. 326,244. (No model.)

To all whom it may concern:

Be it known that I, ORRIN W. SWIFT, of New Haven, in the county of New Haven and State of Connecticut, have invented a new Improvement in Coach-Lamp Heads; and I do hereby declare the following, when taken in connection with accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a view in side elevation of a coach-lamp head embodying my invention; Fig. 2, a detached plan view of the crown-plate; Fig. 3, a similar view of the border; Fig. 4, an enlarged sectional view showing the union between the border and plate; Fig. 5, a similar view showing a modified construction. Figs. 6 and 7 illustrate the old method of forming the borders for coach-lamp heads.

My invention relates to an improvement in heads for coach-lamps, the object being to reduce the expense of making them and to produce an article of neater finish than could be made under the old method of manufacture.

With these ends in view my invention consists in striking up the border of the head with the number of angles that the design may call for, and with an inwardly-projecting flange or lip, and in shaping the edge of the crown-plate to form a joint with the said flange or lip of the border.

My invention further consists in beading the border to increase its strength and to give it the effect of higher ornamentation.

Heretofore the borders of coach-lamp heads have been made, as shown by Figs. 6 and 7 of the drawings, by taking a long strip A of metal of the required length and bending its edges at right angles with it to form narrow flanges B B, and then notching the said flanges, as at C, at equal distances apart and according to the number of angles that the finished border is to have. After the strip has been notched as described it is folded at the notched points into the square form indicated by the broken lines in Fig. 6 of the drawings, and the ends of the strip are soldered together. By notching the narrow flanges of the strip as described the edges of the flanges miter together, as at D in the drawings. The notching of the border-strips, so as to have all of the faces of the border of the same length, and so as to have all of the miter-joints neat and true, is a nice operation

requiring much care and skilled labor and making the head one of the most expensive features of a coach-lamp to produce, especially in the higher grades of lamps having polygonal heads calling for six or eight angles.

In carrying out my invention I strike up a border E from a single flat piece of metal, from which the center is removed, providing the border with as many angles as the design of the coach-lamp head may call for, and with an inwardly-projecting flange F, the edge whereof conforms to the angling contour of the border, as shown in Fig. 3 of the drawings. As herein shown, and preferably, the border is provided with a bead G, which stiffens it and heightens its ornamental effect. The crown-plate H, which supports the crown I, is preferably shaped upon its edge, as shown in Fig. 4 of the drawings, to form a recess J to receive the inwardly-projecting flange of the border, and with a flange K, which rests against the inner face of the border-flange, the two flanges being soldered together. If desired, however, the crown-plate may form a simple flat edge, as shown by Fig. 5 of the drawings; but this construction does not form as neat a joint between the two parts as the construction illustrated by Fig. 4.

In assembling the border and the crown-plate the latter is introduced into the former through the lower edge thereof and pushed until its edge is seated against the flange of the border, the parts being held in this position until soldered together.

By following my invention coach-lamp heads may be produced with less expense than under the old method of manufacturing them, and, being solid at the angles of the border, are neater in finish than old heads.

What I claim is—

In a coach-lamp head, the combination of the crown-plate H, having an edge presenting several sides and angles, combined with a border E, made from a single piece of metal without joint, the said border in shape and size corresponding to the angular shape and size of the said crown-plate, and the said border constructed with an inwardly-projecting flange F at its upper end and set over said crown-plate and so that the said flange may rest thereon, substantially as described.

ORRIN W. SWIFT.

Witnesses:

FRED C. EARLE,

LILLIAN D. KELSEY.