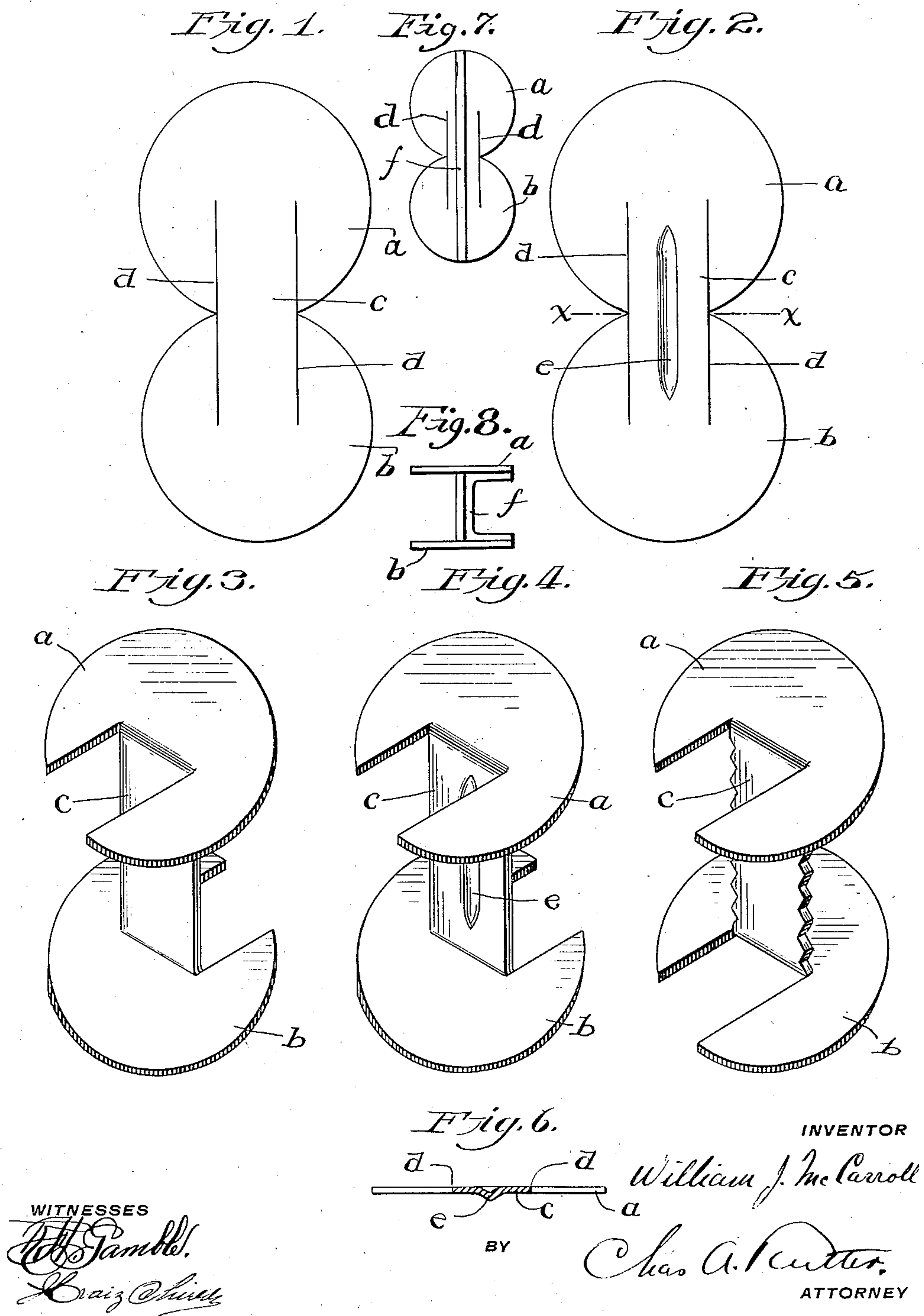


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CHAPLET.
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UNITED STATES PATENT OFFICE.

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CHAPLET.

No. 930,080.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, WILLIAM J. MCCARROLL, a citizen of the United States, and a resident of the city and county of Philadelphia, State of Pennsylvania, have invented certain new and useful Improvements in Chaplets, of which the following is a specification.

My invention relates to improvements in chaplets for supporting a core within a mold, and the object of my invention is to furnish an efficient and inexpensive chaplet constructed from a single piece of sheet metal.

In the accompanying drawings forming part of this specification and in which similar letters of reference indicate similar parts throughout the several views: Figure 1, is a plan of blank from which my chaplet is constructed; Fig. 2, a plan of blank the stem or spindle of which is struck down to form a rib; Fig. 3, a perspective view of the finished chaplet made from the blank shown in Fig. 1; Fig. 4, a similar view of a chaplet made from the blank shown in Fig. 2; Fig. 5, a perspective view of the chaplet showing the heads bent both in the same direction and having a stem or spindle the sides of which are serrated; Fig. 6, a section of Fig. 2 on line $x-x$; Fig. 7, a plan of blank cut from a piece of metal rolled with a rib; Fig. 8, a side elevation of a chaplet made from the blank shown in Fig. 7.

My chaplet consists of two disks a and b which are carried by a stem or post c . The disks shown in the drawings are circular in form but this is not essential, they may have any other form desired. The blank from which the chaplet is made is struck from a piece of sheet metal, the stem c , or the ends of this stem, being formed by slitting the disks at d as shown in Figs. 1, 2 and 7. The outline of the blank having been cut and slit as shown the parts forming the disks or heads $a-b$ are bent until they are at right angles to the stem or spindle; this bending may be in either the same or opposite directions and leaves a slot or opening in the heads as shown in Figs. 3, 4, and 5. In Figs. 3 and 4 the heads are shown bent in opposite directions, in Figs. 5 and 8 in the same direction. In many cases a perfectly flat stem or spindle c would be sufficiently stiff to support the weight of the core. If necessary, however, the stem may be stiffened by bending

it lengthwise, by striking it down to form a rib, as shown in Figs. 2 and 4, or by making it from a piece of metal rolled with a solid rib as shown in Figs. 7 and 8. The chaplet having been formed as above is tinned or otherwise plated, as is the usual practice, and is then ready for use.

In punching out the stem the metal will be left more or less ragged and this is of advantage in anchoring it to the metal cast around it and is particularly advantageous in holding it firmly when it is necessary to calk around it. In some cases it might even be advantageous to serrate the edges of the stem as shown in Fig. 5.

Ordinarily the chaplet would be made of metal thick enough to withstand the burning or washing action of the metal poured around it. If there be any doubt of this the metal out of which the blank is cut could be rolled with a rib or ribs f , Figs. 7 and 8, which would give it a considerably greater cross sectional surface.

Having thus described my invention I claim as new and desire to secure by Letters Patent;

1. As an article of manufacture, a chaplet formed from a single piece of sheet metal and embodying a central stem and two slotted heads.

2. A chaplet comprising two heads and a central stem all formed from a single piece of sheet metal, said heads being slit and bent substantially at right angles to said stem.

3. As an article of manufacture, a chaplet formed from a single piece of sheet metal and embodying a central serrated stem and two slotted heads bent at substantially right angles to said stem.

4. As an article of manufacture, a chaplet formed from a single piece of sheet metal and comprising a central stem struck down, or grooved, longitudinally and two slotted heads bent at substantially right angles to said stem.

5. A chaplet for cores formed from a single piece of metal and comprising a stem or spindle reinforced longitudinally and two heads at substantially right angles to said stem.

WILLIAM J. MCCARROLL.

Witnesses:

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J. H. KERST.