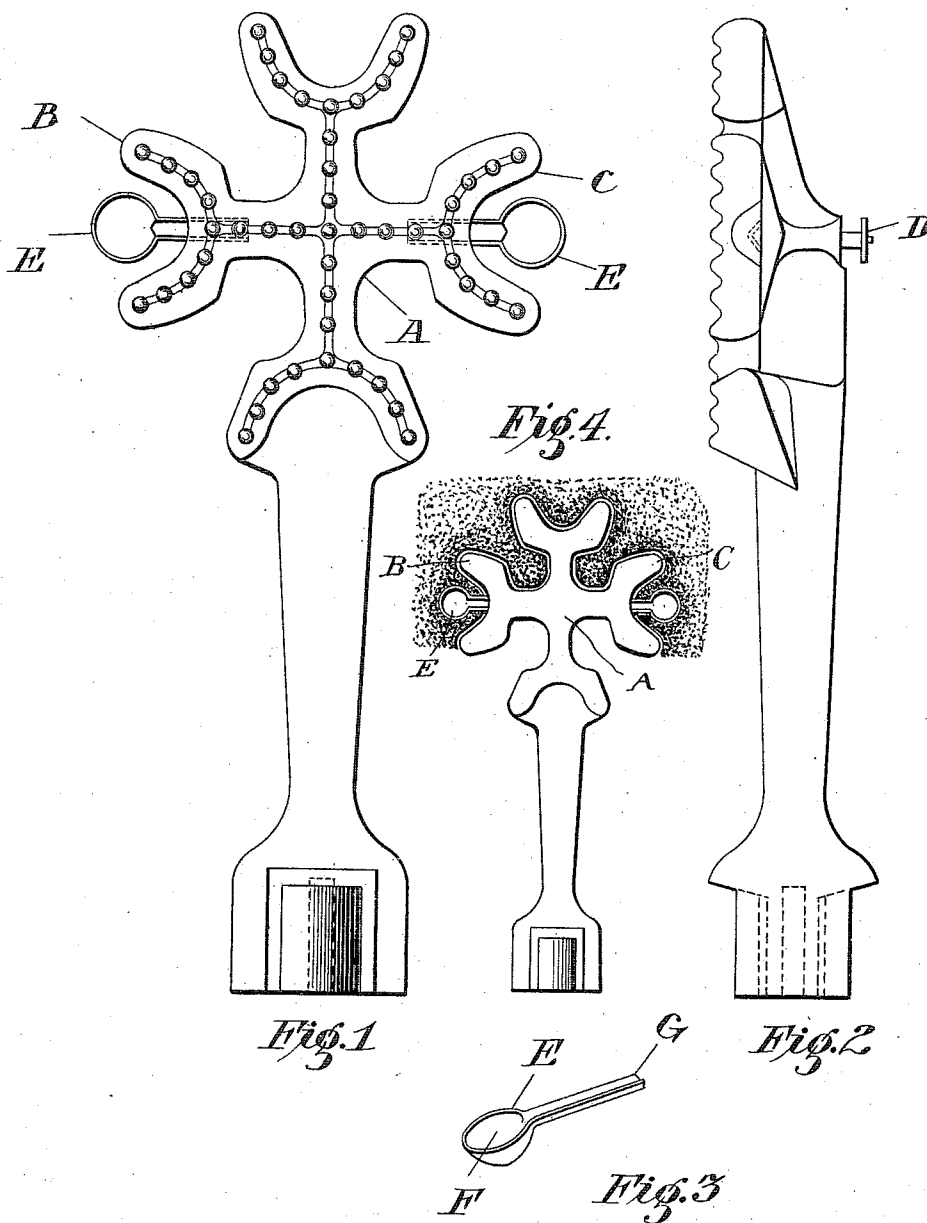


H. C. MAUL.
ANCHOR FOR MOLDING CORES.
APPLICATION FILED MAR. 21, 1910.

985,823.

Patented Mar. 7, 1911.



Witnesses:
Lattie Prior
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UNITED STATES PATENT OFFICE

HENRY C. MAUL, OF DETROIT, MICHIGAN, ASSIGNOR TO BURDICK & SON, OF ALBANY,
NEW YORK.

ANCHOR FOR MOLDING CORES.

985,823.

Specification of Letters Patent.

Patented Mar. 7, 1911.

Application filed March 21, 1910. Serial No. 550,690.

To all whom it may concern:

Be it known that I, HENRY C. MAUL, a citizen of the United States, residing at the city of Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Anchors for Molding Cores, of which the following is a specification.

My invention relates to anchors for molding cores, and the object of my invention is to provide an anchor for a core during the process of molding. I attain this object by means of the mechanism illustrated in the accompanying drawing, in which:

Figure 1 is a plan of a core provided with my invention. Fig. 2 a vertical section along the medial line of Fig. 1. Fig. 3 is a perspective view of my anchor. Fig. 4 is a fragmentary plan view of a mold with the core and anchor placed therein.

Similar letters refer to similar parts throughout the several views.

When a core has been prepared ready for use in a molding flask, it is necessary after the pattern has been taken from the sand to so place the core in the sand that it will retain its required position during the process of pouring and cooling to which it is subjected. It is desirable that the means used for thus supporting the core should be such that the core may be readily removed after the casting has been completed.

I have shown in the figures a core for a gas burner in gas stoves, in which the spider-shaped head, A, is provided with the lateral extensions, B and C, which must be supported in the molding. A pin provided with an enlarged head, D, acts as a chaplet for the head of the casting as it lies in the sand. But in order to keep the lateral extensions, B and C, in proper position it is necessary to have an anchor, E, for each of them, and it is this anchor adapted for thus supporting the core which is the subject of this invention.

I construct the anchor preferably of tin

pressed or bent in the form shown in Fig. 3, in which there is at one end a cup, F, connected with a trough, G, which extends from one side of the cup not unlike a handle on a dipper. The handle, G, of the cup is placed into the core, the cup acting as a receptacle for sand and the convex portion of the cup resting in the sand, effectively supporting the portion of the core with which it is thus secured.

The anchors, E, are easily broken off after the casting has been formed, the thin material of which the handle thereof is constructed being readily broken by bending once or twice against the side of the casting through which it projects.

These anchors are very inexpensive in construction, quickly adjusted, occasion no delay in the operation of the casting or in removing the casting after the operation and perform all of its functions in a perfectly satisfactory manner at a minimum cost.

What I claim as my invention and desire to secure by Letters Patent, is:

1. The combination of a core; an anchor comprising a thin metallic shank portion with an enlarged portion at one end, the shank portion adapted to be inserted within the said core; a mold associated with said core; the enlarged portion of the anchor adapted to rest in the sand of the mold outside of the core and thus regulate the position of the core in the mold.

2. An anchor for a molding core, comprising a piece of tin formed at one end in the shape of a hollow cup, the remaining portion of the anchor in the form of a handle projecting in the form of a trough from one side of the cup.

In testimony whereof I have affixed my signature in presence of two witnesses.

HENRY C. MAUL.

Witnesses:

WILLIAM E. GOWAN,
CONRAD W. STORK.