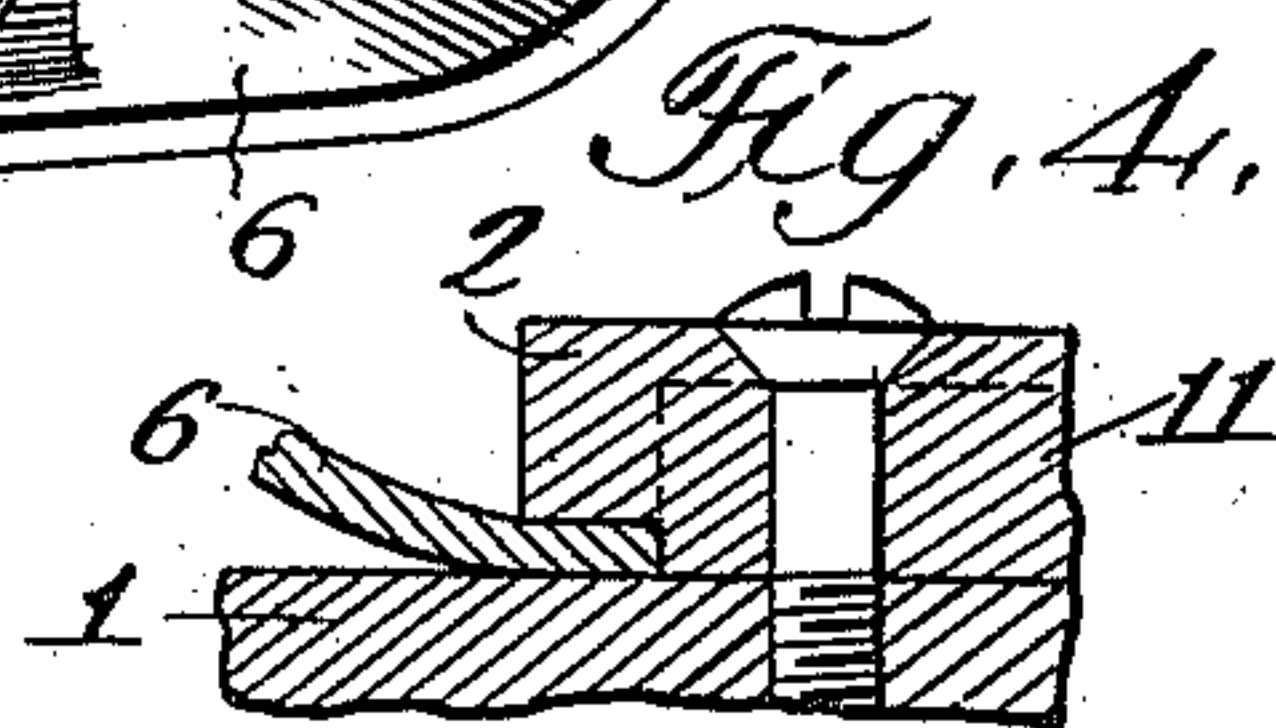
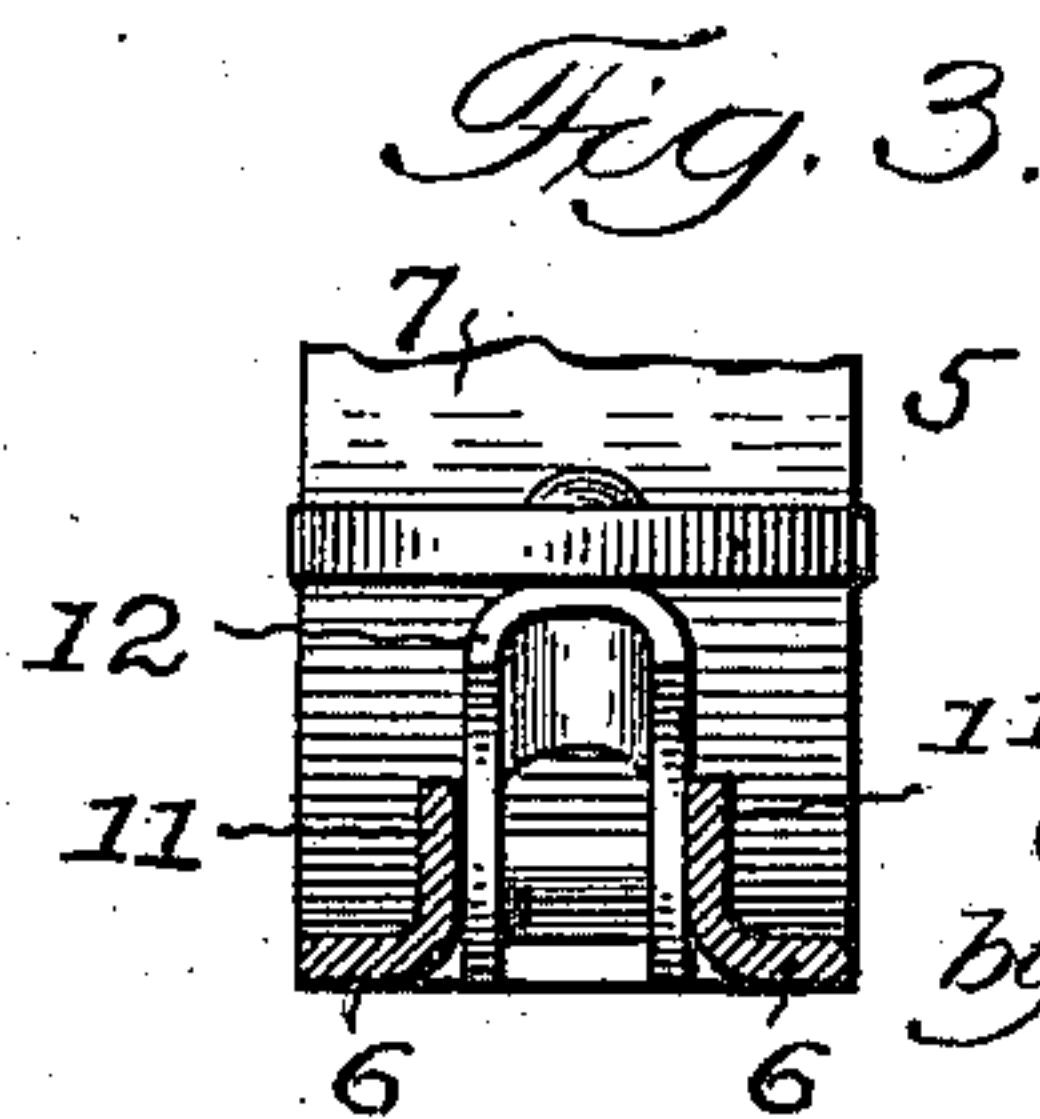
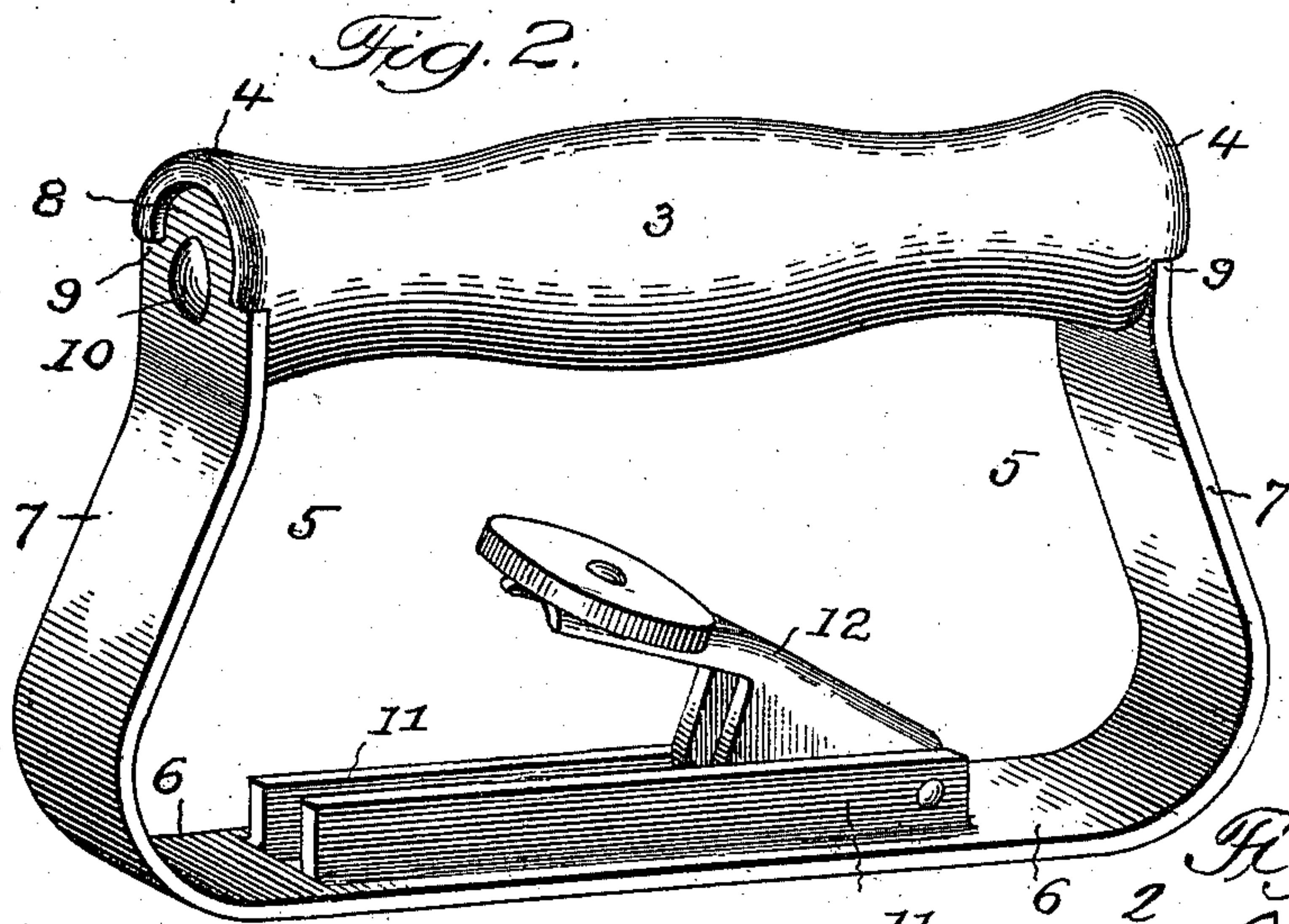
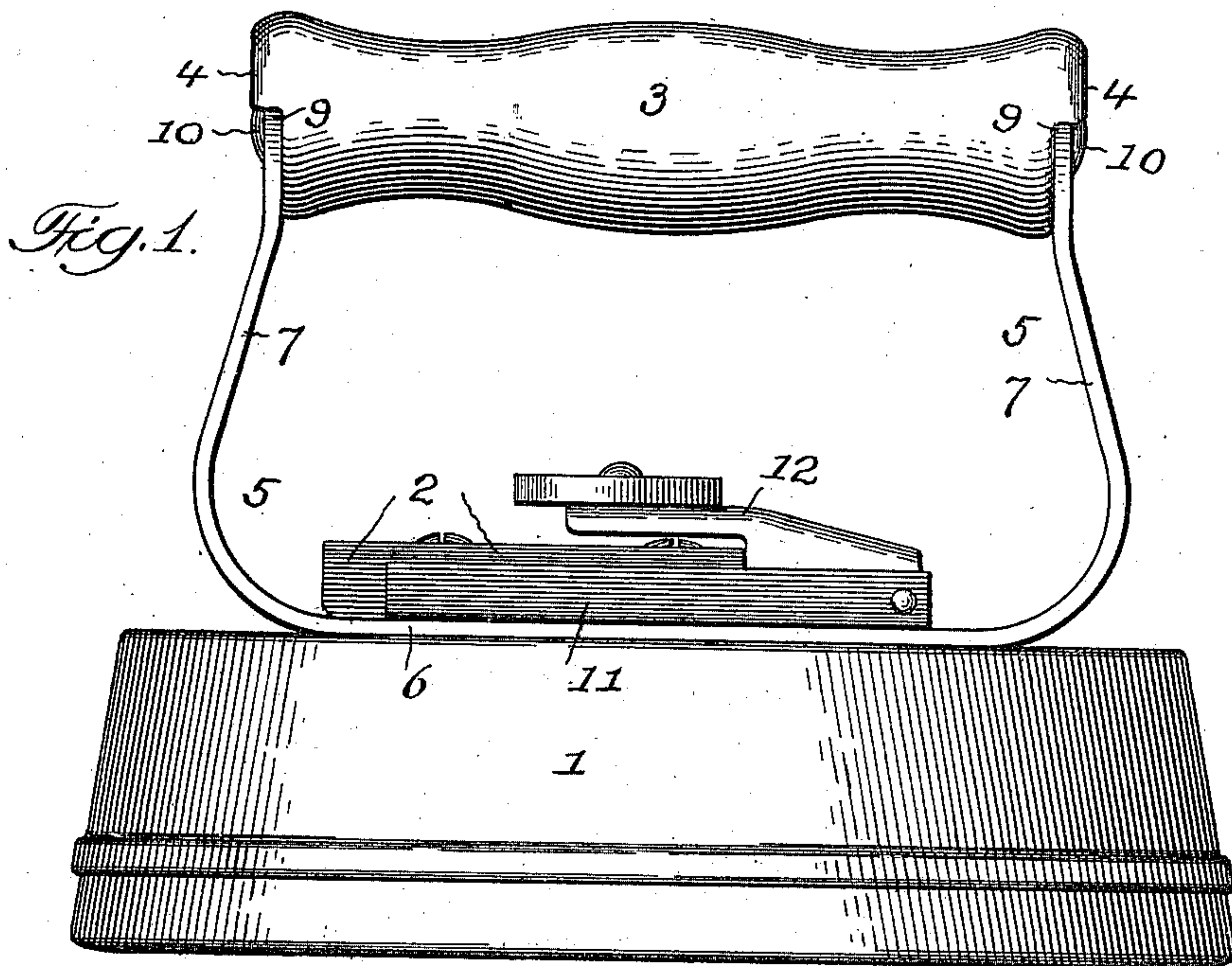


J. M. HARPER.
SAD IRON HANDLE.
APPLICATION FILED AUG. 2, 1909.

963,709.

Patented July 5, 1910.



Attest:
John Enders.
Henry Moe.

Inventor:
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UNITED STATES PATENT OFFICE.

JAMES M. HARPER, OF CHICAGO, ILLINOIS, ASSIGNOR TO THE HARPER SUPPLY COMPANY, A CORPORATION OF ILLINOIS.

SAD-IRON HANDLE.

963,709.

Specification of Letters Patent.

Patented July 5, 1910.

Application filed August 2, 1909. Serial No. 510,808.

To all whom it may concern:

Be it known that I, JAMES M. HARPER, a citizen of the United States of America, and a resident of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Sad-Iron Handles, of which the following is a specification.

This invention relates to that class of sad-irons in which the handle member is detachable from the body member in order that a single handle may be used serially with a number of body members. And the present invention has for its object to provide a simple and efficient formation of the handle portion embodying strength and lightness combined with ease of application and a substantial connection with the body portion of the sad-iron, all as will hereinafter more fully appear.

In the accompanying drawing: Figure 1 is a side elevation of the handle portion in place upon the body portion of the sad-iron. Fig. 2 is a detached perspective view of the handle portion. Fig. 3 is a detail transverse section of the same. Fig. 4, is a detail central longitudinal section illustrating part of the attaching means between the handle and body of the sad-iron.

Similar numerals of reference indicate like parts in the different views.

Referring to the drawings, 1 represents the sad-iron body having on its top the usual centrally arranged longitudinal fin 2, with which the handle portion has engagement in manner described in detail in my former Patent No. 864,735 dated August 27, 1907.

3 is the longitudinal grip piece of the removable handle member, of the circular form shown and made of wood or like material having a low heat conducting property. In the present improvement said grip is formed at each end with semi-circular top rims 4 to constitute receiving cavities for the ends of the bail portion of the handle member now to be described.

5 is the bail member of an approximately U shape and formed of plate metal bent to the described shape, and comprising a lower horizontal part 6 adapted for bearing upon the top surface of the sad-iron body 1, and a pair of counterpart upright portions 7, the upper ends of which have reduced semi-circular portions 8 adapted to fit into the cavities formed by the top rims 4 of the grip 3, and

having offsets 9 against which the base of said top rims abut to afford a very rigid connection of parts.

10 is the usual rivet or bolt passing through the semi-circular portions 8 and through the grip piece 3, to secure the parts permanently together.

11 are a pair of side flanges, extending the main length of the lower horizontal part 6 of the bail member, and formed by slitting the metal of said part longitudinally and transversely, and then bending the tongues so formed at right angles to main portion of the part 6, to form the aforesaid side flange 11, which are in separated relation to provide a longitudinal opening for engagement with the fin 2 of the sad-iron body before described. As so formed the bottom of said longitudinal opening is of the flaring form illustrated in Fig. 3, and is adapted to aid in the ready engagement of the bail with the fin 2 aforesaid. The flanges 11, have a three fold function, to wit: to impart rigidity to the horizontal part 6, to enable the same to be made of plate metal, of a minimum thickness, and to afford an extended lateral support against the sides of the fin 2, to attain a rigid connection between the sad-iron parts, and to provide a pivotal attachment for the pivoted latch dog 12 of the sad-iron handle.

Having thus fully described my said invention what I claim as new and desire to secure by Letters Patent, is:—

A sad-iron handle, comprising a grip member, and a bail member of plate metal having an approximately U shape and comprising a lower horizontal bearing portion and curved upright end portions the upper ends of which are attached to the ends of the grip member, the said horizontal bearing portion being slitted longitudinally to form tongues which are bent at right angles to the main part of said bearing portion to constitute a pair of longitudinal flanges having separated relation and having a length approximating that of the straight part of the horizontal bearing portion aforesaid.

Signed at Chicago, Illinois, this 13th day of July 1909.

JAMES M. HARPER.

Witnesses:

ROBERT BURNS,
HENRY MOE.