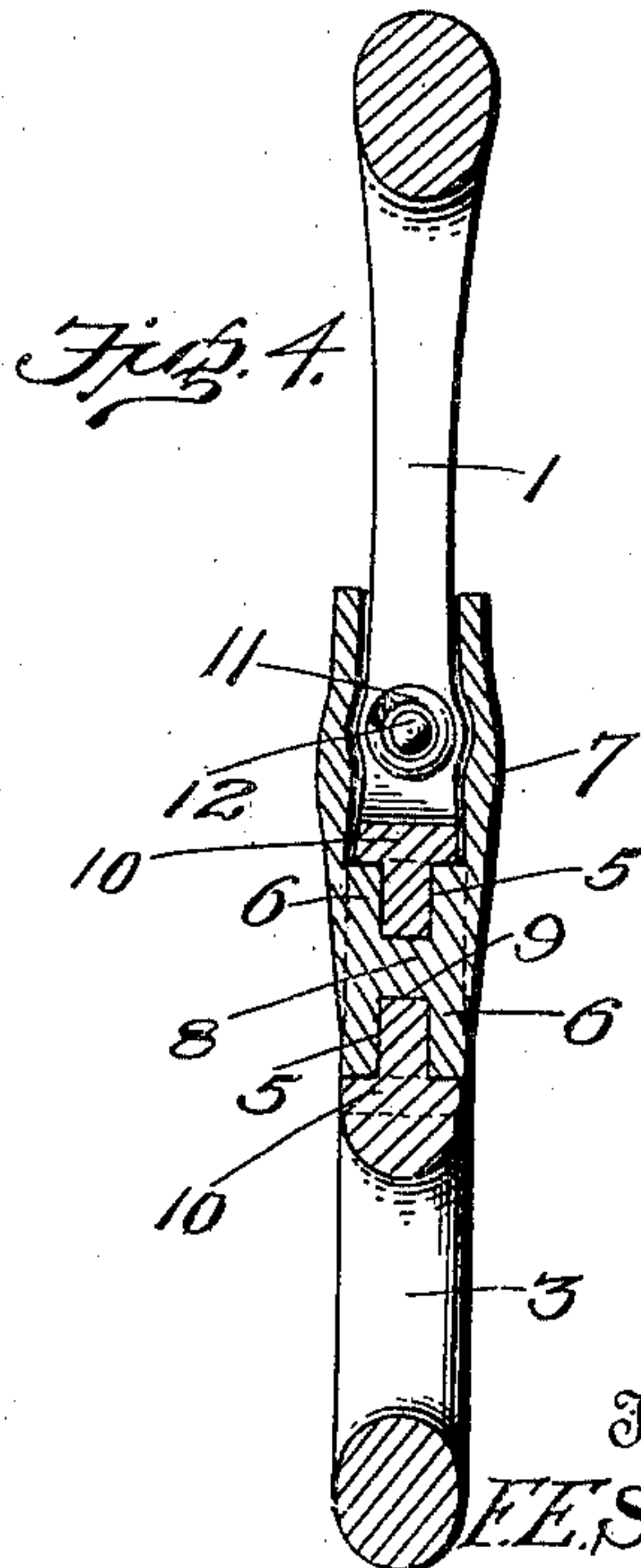
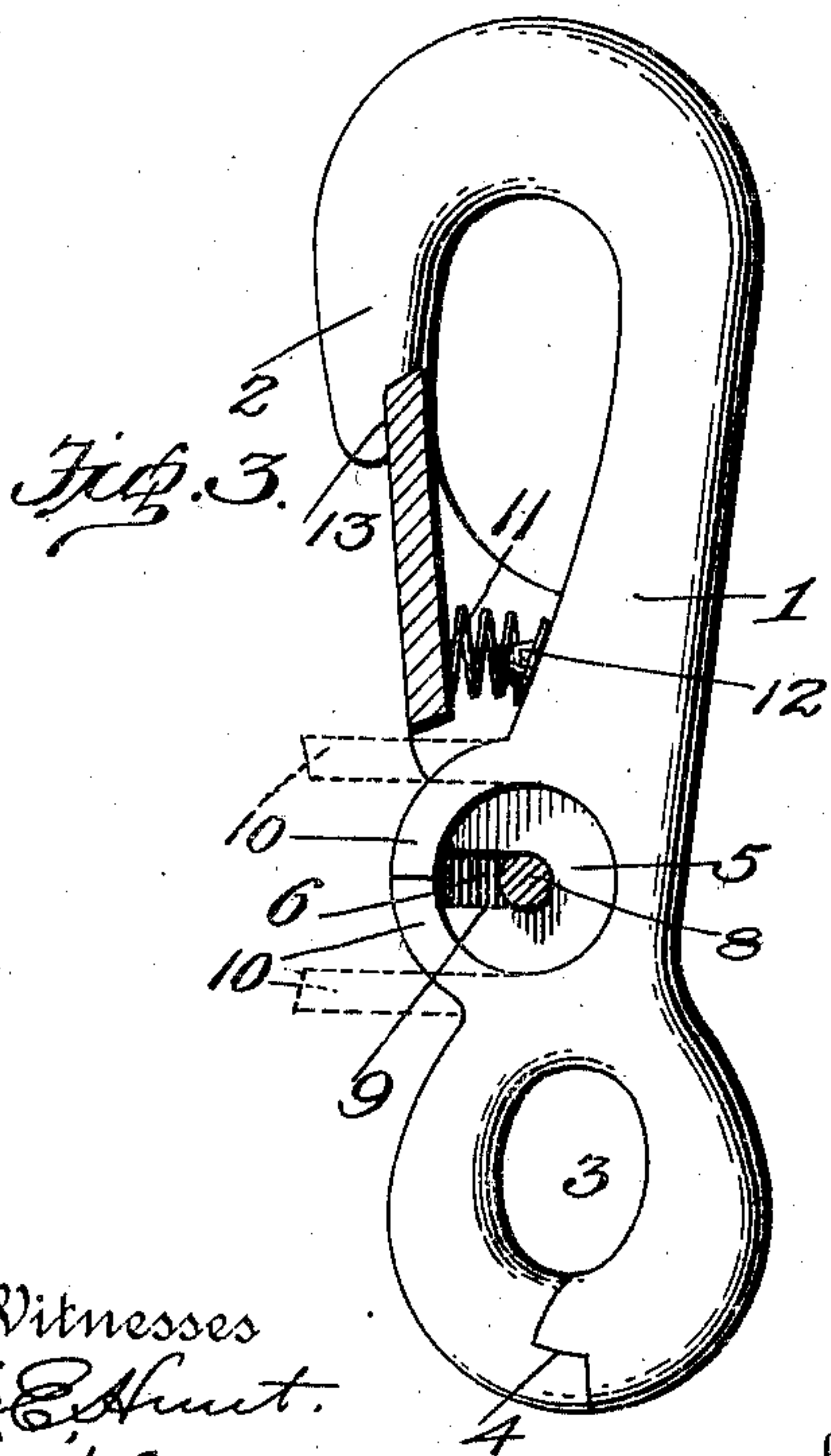
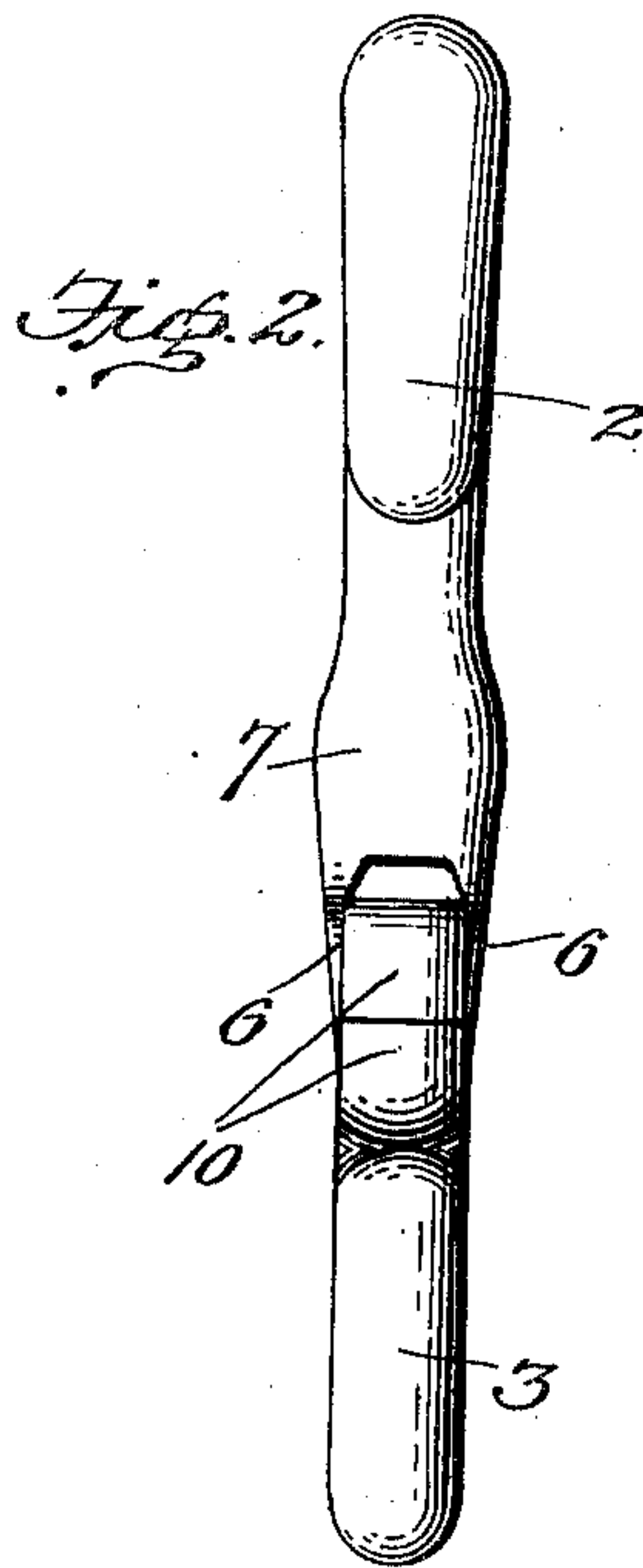
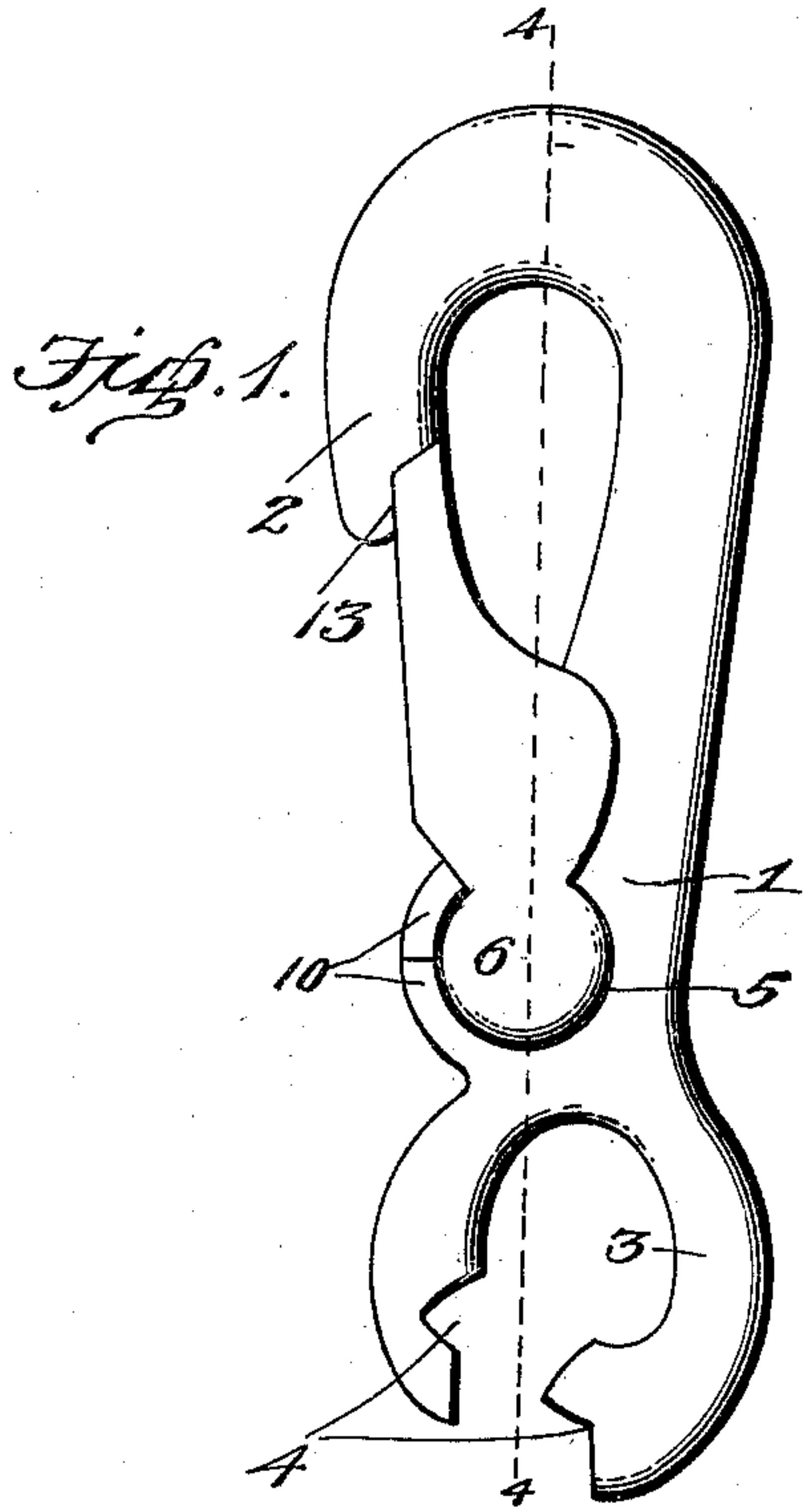


F. E. SCHARTOW,
SNAP HOOK.
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983,404.

Patented Feb. 7, 1911.



Witnesses
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UNITED STATES PATENT OFFICE.

FRANK E. SCHATOW, OF RACINE, WISCONSIN.

SNAP-HOOK.

983,404.

Specification of Letters Patent.

Patented Feb. 7, 1911.

Application filed November 24, 1909. Serial No. 529,764.

To all whom it may concern:

Be it known that I, FRANK E. SCHATOW, a citizen of the United States, residing at Racine, in the county of Racine and State of Wisconsin, have invented certain new and useful Improvements in Snap-Hooks; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in snap hooks.

One object of the invention is to provide a snap hook having an improved construction of tongue fastening mechanism whereby the tongue will be braced and firmly held in pivotal engagement with the body portion of the hook.

Another object is to provide a snap hook the construction of which permits the assembling of the parts without twisting and thus weakening the bill of the hook.

With the foregoing and other objects in view, the invention consists of certain novel features of construction, combination and arrangement of parts, as will be more fully described and particularly pointed out in the appended claims.

In the accompanying drawings, Figure 1 is a side view of a hook constructed in accordance with the invention with the eye in open position; Fig. 2 is a front edge view of the same; Fig. 3 is a longitudinal section on the line 3—3 of Fig. 2 and the eye in closed position; Fig. 4 is a similar view on the line 4—4 of Fig. 1.

Referring more particularly to the drawings, 1 denotes the body portion of my improved hook, said body portion having on its outer end a curved bill 2, and on its inner end an eye or ring 3 which is divided on its outer side as shown. The divided parts of the ring before use are left a sufficient distance apart to be engaged with the object to which the hook is to be attached, after which the divided ends of the ring are brought together, thus providing means for attaching the hook to any desired article. The divided ends of the eye are notched as shown at 4 whereby when said ends are brought together an interlocking connection will be formed between the same. In the opposite sides of the body portion of the hook immediately above the ring or eye 3 are formed substantially circular bearing

recesses or depressions 5 with which are engaged circular bearing disks or flanges 6 formed on the outer end of the flanged sides of the tongue member 7 of the hook. The disks or flanges 6 are secured together in spaced relation by an integrally formed pintle 8 which is adapted to be engaged with a bearing notch 9 formed in the body of the hook between the bearing recesses or depressions 5. The front edges of the metal forming the front wall of the bearing depressions or recesses 5 are preferably in the form of lips 10 which when the hook is formed project straight out from the front edge of the body portion and are a sufficient distance apart to permit the flanges or disks 6 to be engaged with the bearing recesses or depressions 5, after which said lips are bent inwardly around the outer side edges of the disks or flanges, thus closing the upper portions of the recesses and providing a bearing for said flanges.

Between the flanged sides of the tongue and bearing against the inner wall of the latter and the opposing inner edge of the body portion of the hook is arranged a coiled spring 11, the pressure of which is exerted to close and hold the tongue 7 in closed position with its outer end in engagement with the inner side of the bill of the hook. The spring 11 is preferably held in position between the tongue and body portion of the hook by a stud 12 formed on the edge of said body portion and projecting into the spring. The inner side of the end of the bill 2 of the hook at the point of the engagement therewith of the upper end of the tongue is preferably notched or recessed as shown at 13 to form a seat for said outer end of the tongue.

A hook constructed as herein shown and described will be simple, strong and durable in construction, efficient in operation, and when the tongue is in close engagement with the bill of the hook, the tongue cannot be casually pushed out of place or opened by the ring or link in which the hook is engaged.

From the foregoing description taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion and the minor details of construction may be resorted to without departing from the

principle or sacrificing any of the advantages of this invention as defined in the appended claims.

Having thus described my invention, what I claim is:—

1. A snap hook comprising a body member having circular bearing recesses formed in the opposite sides near its inner end and a bearing notch arranged in the wall between said recesses, a bill formed on the opposite end of said hook, a tongue having bearing disks or flanges on its inner end adapted to be engaged with said bearing recesses in the sides of said body member, a pintle centrally connecting said disks and adapted to be freely inserted in said notch and removed therefrom, and means to secure said disks in pivotal engagement with said recesses and said pintle in pivotal engagement with said notch.

2. A snap hook comprising a body portion having formed in its opposite sides near its inner end bearing recesses and a bearing notch in the wall between said recesses, lips formed on the edge of said body portion and adapted to be bent down to form the front wall of said recesses and to close the outer end of said notch, a tongue having on

its inner end circular bearing flanges or disks adapted to be engaged with said bearing recesses, and a small pintle centrally connecting said flanges and adapted to be engaged with said notch, and a spring arranged between said tongue and the adjacent edge of the hook whereby the tongue is held in closed engagement with the bill of the hook.

3. A snap hook comprising a body having an eye at one end and a bill at the opposite end and provided intermediate its ends at the opposite sides thereof with a pair of circular recesses, a wall intermediate said recesses having a notch in its outer edge, a tongue having laterally spaced disks to enter the recesses, a connecting pin between the disks to enter the notch, and malleable ears on said body arranged to be bent over and engage the notched wall and the periphery of the disks to hold the tongue in operative position.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

FRANK E. SCHARTOW.

Witnesses:

LOUIS MOGENSEN,
ANNA SORENSEN.