

No. 866,816.

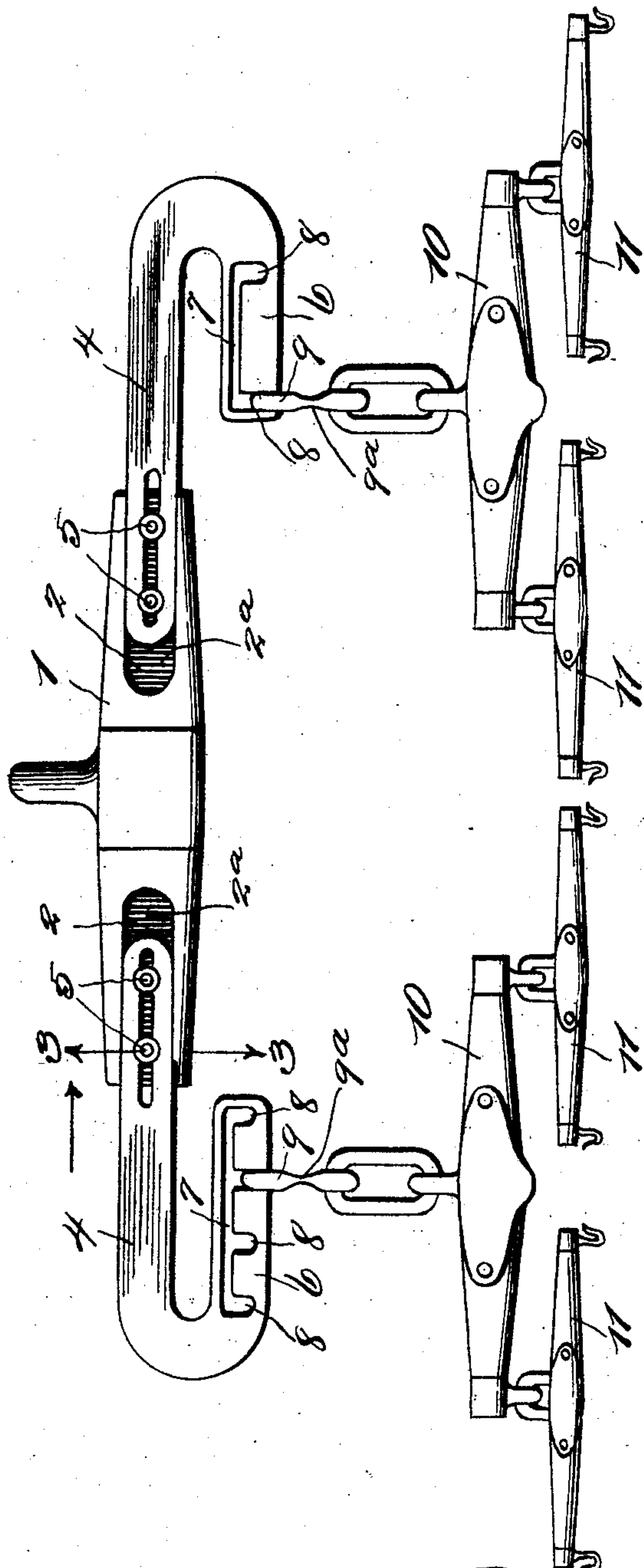
PATENTED SEPT. 24, 1907.

P. N. SAYERS.
EQUALIZER.

APPLICATION FILED APR. 10, 1907.

2 SHEETS—SHEET 1.

Fig. 1.



Witnesses

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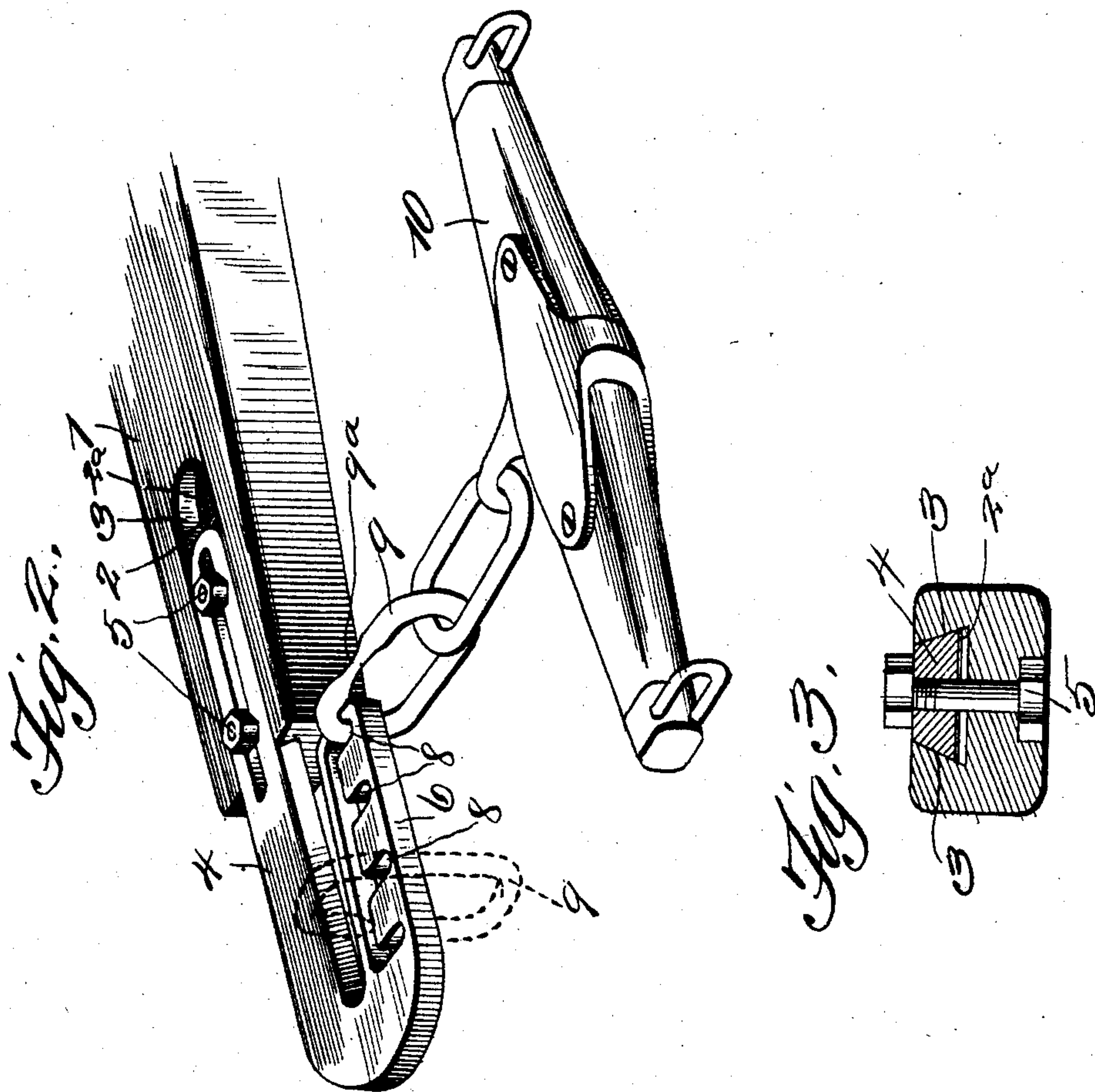
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2 SHEETS--SHEET 2.



Witnesses

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UNITED STATES PATENT OFFICE.

PETTE NOOP SAYERS, OF PONTOOSUC, ILLINOIS.

EQUALIZER.

No. 866,816.

Specification of Letters Patent.

Patented Sept. 24, 1907.

Application filed April 10, 1907. Serial No. 367,424.

To all whom it may concern:

Be it known that I, PETTE NOOP SAYERS, a citizen of the United States, residing at Pontoosuc, in the county of Hancock and State of Illinois, have invented certain new and useful Improvements in Equalizers, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to a new and useful equalizer, designed for use in connection with gang or sulky plows, and the object thereof, is to provide an improved device of this character which is simple, and efficient in construction and which is also adaptable to various other kinds of farming implements.

To obtain a full and correct understanding of the details of construction, combinations of features, elements and advantages, reference is to be had to the hereinafter set forth description and the accompanying drawings in connection therewith, wherein,

Figure 1 is a top plan view of the improved equalizer, illustrating the principal features thereof. Fig. 2 is an enlarged perspective view of one end of the equalizer. Fig. 3 is a sectional view on line 3—3 of Fig. 1.

Making renewed reference to the accompanying drawings, wherein similar reference characters indicate corresponding parts in the several illustrations, by figures, 1 designates the main equalizer beam, each end of which is provided with a recess 2, the walls of which, are slightly beveled as at 3, to receive a lateral extension 4; the beveling of the walls of the said recess prevent upward displacement of the said extensions, as will be clearly understood, and by the bolts 5, the said extensions are prevented from being outwardly displaced.

The bottoms of the recesses 2, are serrated as at 2^a, so as to provide a biting action upon the under surface of the lateral extensions 4, so as to further prevent longitudinal movement of the said extensions as will be clearly observed from Figs. 2 and 3 of the accompanying drawings.

The lateral extensions are provided at their outer ends with an integral hook member 6, each one of which, is provided with an elongated slot 7, from which merges a plurality of recesses 8, the diameter of which recesses is greater than the width of the slot at points between the said recesses, as shown clearly in Fig. 2. The differences in the proportions of the recesses and the slot, are for the purpose of preventing the removal of the ring when in the position as shown in Fig. 2, but when the ring is in position as shown in dotted lines, in Fig. 2, it may be readily moved from one recess to the other. The ring designated by the nu-

meral 9, forms a connection between the second main equalizing beams 10 to which beams are connected the swingletrees 11, as clearly shown in Fig. 1, of the drawings. Said ring 9 is provided with a reduced portion 9^a so that when the ring is in a vertical position and is moved from one recess to another, the said reduced portion, will engage and move within the elongated slot 7, as will be seen in Fig. 2 of the drawing.

It will be understood that various changes and modifications may be employed in the construction and embodiment thereof, combinations of features, and elements, without in any way departing from the spirit and scope of the invention covered by the claims thereof: it being understood that whatever variations or modifications are employed must fall within the scope of the appended claims.

From the foregoing, the essential features, elements and the operation of the device, together with the simplicity thereof, will be clearly apparent, and when manufactured in accordance with the invention, an inexpensive market will be readily obtained therefor.

Having thus described the invention, what is claimed as new and useful, is:

1. In an equalizer, a main equalizing beam, having at each end thereof, elongated recesses, said recesses having beveled side walls and provided with serrated bottoms, a pair of lateral extensions, having their edges beveled, engaging said recesses, and provided with hook shaped portions, a pair of secondary equalizing beams connected to said hooked portions, said hooked portions having means affording adjustment of the secondary equalizing beams, said lateral extensions having slots therein, bolts engaging said slots affording fastening means for the said extensions, and nuts therefor, as specified.

2. In an equalizer, the combination with a main equalizing beam and a pair of lateral extensions, of a pair of secondary equalizing beams having swingletrees, said main equalizing beam having at each end thereof, elongated recesses, said recesses having beveled side walls, and provided with serrated bottoms, said lateral extensions are beveled upon their edges, and designed to engage said recesses and are provided with hook shaped portions, said lateral extensions are provided with slots, bolts engaging said slots, affording fastening means for the extensions, nuts to engage said bolts, said hook shaped portions having means affording adjustment of said secondary equalizing beams, comprising a slot, having recesses merging thereinto, a ring having a reduced portion to engage said recesses, said reduced portion designed to cooperate with the slot when the ring is manipulated.

In testimony whereof I hereunto affix my signature in presence of two witnesses.

PETTE NOOP SAYERS.

Witnesses:

J. H. FARREN,
CONRAD ARGAST.