

No. 883,680.

PATENTED MAR. 31, 1908.

J. F. BECK, SR.
MECHANISM FOR INTERLOCKING GUN PARTS.
APPLICATION FILED OCT. 29, 1906.

Fig. 1.

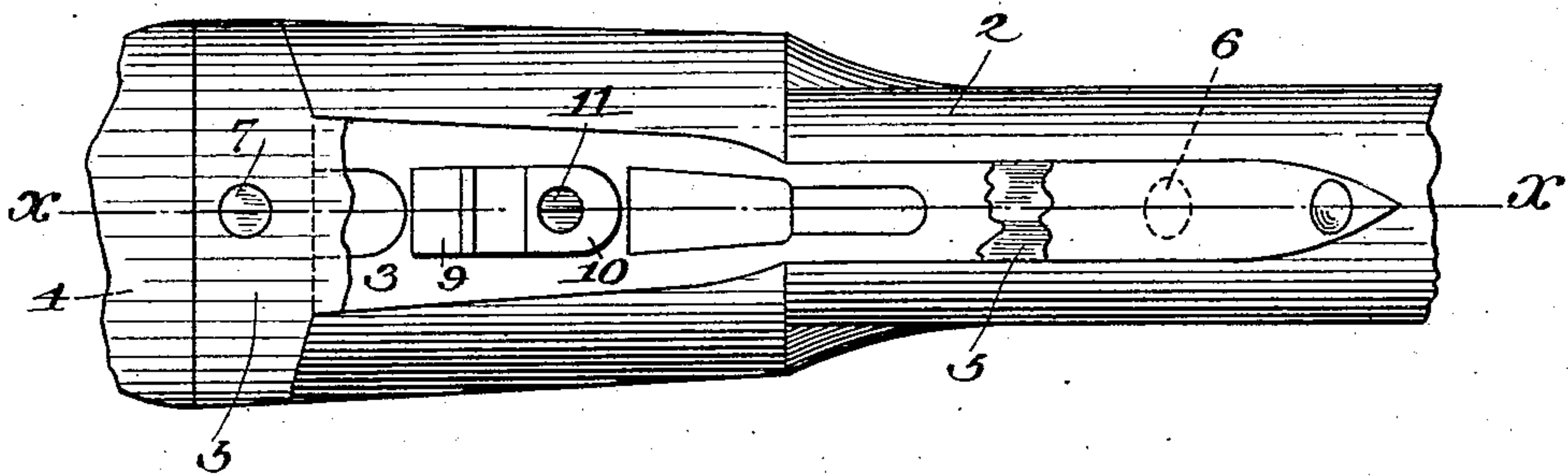


Fig. 2.

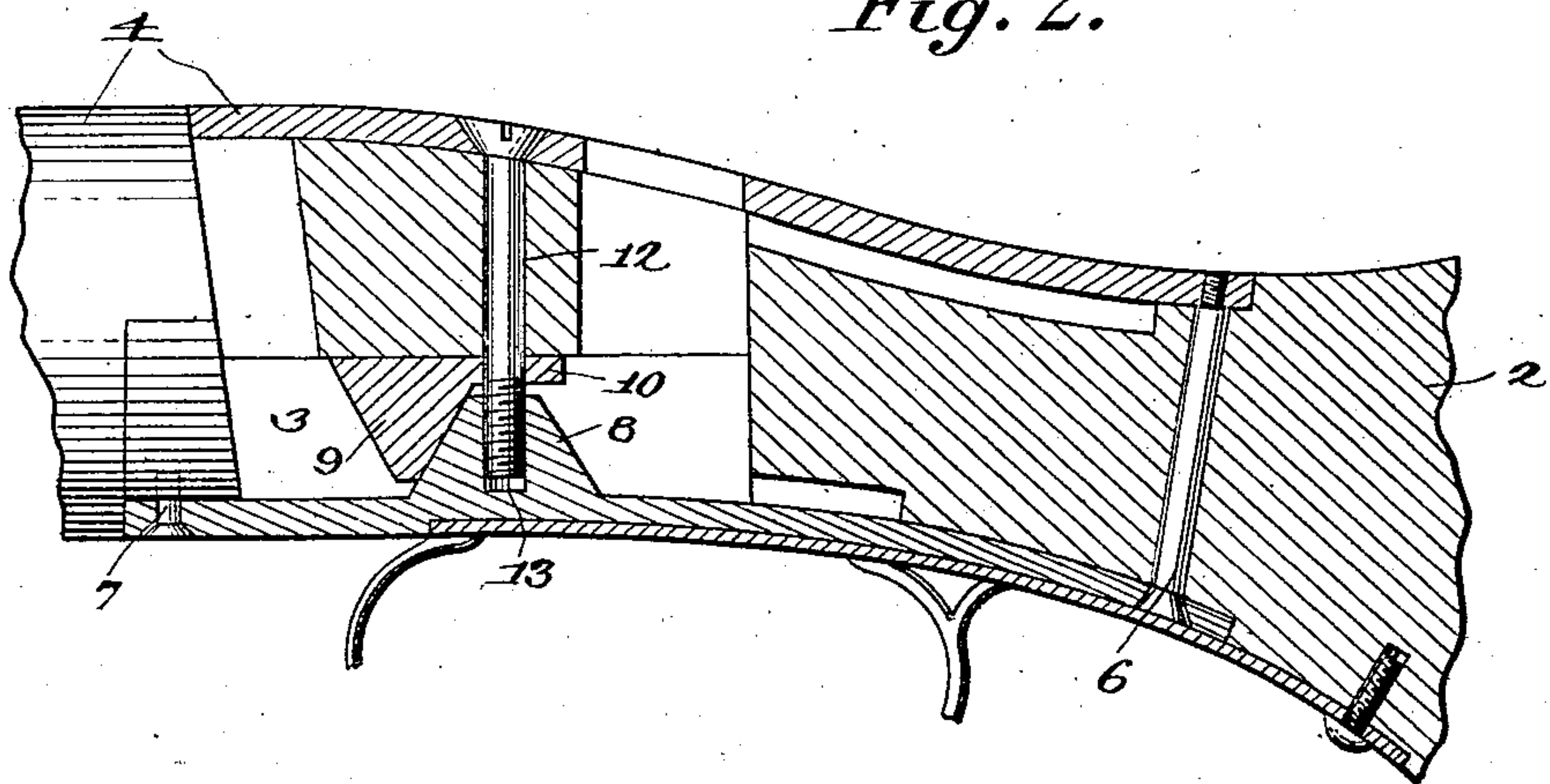
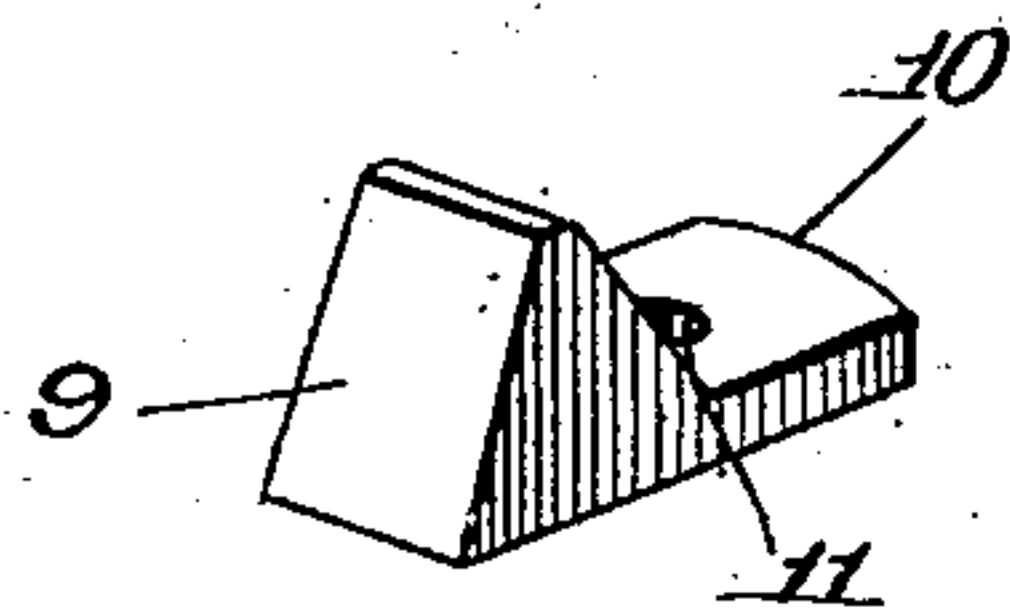


Fig. 3.



Witnesses:
Harry S. Gray
James J. Hodif

Inventor:
Joseph F. Beck, Sr.

UNITED STATES PATENT OFFICE.

JOSEPH F. BECK, SR., OF GERMANTOWN, PENNSYLVANIA.

MECHANISM FOR INTERLOCKING GUN PARTS.

No. 883,680.

Specification of Letters Patent.

Patented March 31, 1908.

Application filed October 29, 1906. Serial No. 341,119.

To all whom it may concern:

Be it known that I, JOSEPH F. BECK, Sr., a citizen of the United States, residing at Germantown, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Mechanism for Interlocking Gun Parts, which improvements are fully set forth in the following specification.

10 This invention relates to improvements in mechanisms commonly availed of for interlocking those parts of a gun or like fire-arm generally known as the tang and the stock; and its object is to provide a mechanism of the character indicated which shall be simple and inexpensive as regards construction; which shall materially enhance the efficiency and durability of the gun or fire-arm in conjunction with which it may be used; which shall be convenient in its application to the purposes for which it is intended; and which shall possess certain well-defined advantages over prior analogous mechanisms.

25 The invention consists in the novel combinations and details of construction, hereinafter more particularly described and set forth in the appended claims.

30 The invention is clearly illustrated in the accompanying drawings, wherein like reference-numerals denote corresponding parts throughout the respective views, and as to drawings: Figure 1 is a bottom plan view of the front end-portion of a gun-stock with the tang applied thereto, a portion of the guard-base and trigger-plate being broken away to better disclose the interior details of the construction. Fig. 2 is a central, vertical, longitudinal section of the construction illustrated in Fig. 1, the section being taken substantially along the line $x-x$ of Fig. 1. Fig. 3 is a detail view showing in perspective and detached from the general construction, the removable wedge-faced bolster which I purpose making use of.

45 Having reference to the accompanying drawings, 2 denotes the stock of a gun or similar fire-arm, the same having a recess or chamber 3 to receive more or less of the usual firing mechanism; 4 the tang disposed at the front end of the stock 2; and 5 the trigger-plate, disposed along the stock 2, closing the recess 3, and secured to said stock and to the tang 4, which it overlaps at its front end, in any appropriate manner, as by means of the bolt 6 and screw 7, respectively. The trigger-plate 5 is provided at its inner side with a

wedge-faced boss 8, which projects into the recess 3, substantially as shown; and for co-operation with said boss, for interlocking purposes, as will hereinafter appear, I provide a wedge-faced bolster 9, removably situated within the recess 3 and adapted to be engaged along its wedge-face by the wedge-face of the boss 8, under strain properly applied to the latter.

60 Heretofore the part which I term a "wedge-faced bolster", has been formed integral with the stock 2, and hence of the same material, usually, if not always, hard wood. When thus formed, however, it is not a rare happening that the bolster, under the strain which must necessarily be brought thereon in practice, and particularly if deterioration shall have appreciably taken place in the material of which it is formed, breaks off, thereby materially weakening the relation of the assembled parts, if not rendering the fire-arm worthless for practical purposes. I overcome this defect in prior analogous constructions, by constructing the bolster 9 as a separate and distinct part, hence permitting its formation of metal, or other suitable material possessing a much greater power of resistance than wood, and at the same time permitting said bolster to be removed from the recess 3 and replaced therein at the will of the user.

85 As herein shown the bolster 9 is provided with a rearwardly projecting foot 10, through which is formed an opening 11. The tie-bolt 12 projects freely through a suitable opening formed in the tang 4, a further opening formed in the stock 2, thence through the opening 11, formed in the foot 10, and is threaded at its inner end to engage the threads formed in the wall of the opening 13, with which the boss 8 is provided. Hence, the parts being assembled substantially as illustrated in Fig. 2 of the drawings, it is evident that by turning the tie-bolt 12 homeward, a binding or interlocking effect is produced between the wedge-face of the boss 8 and the wedge-face of the bolster 9, which effect causes, through the medium of the trigger-plate 5, the tang 4 to be firmly and securely seated against the front end of the stock 2; and to release the parts from this interlocking effect, it will be understood that it is only necessary to reversely turn the tie-bolt 12. The parts having been adjusted and interlocked as just described, a suitable opening is bored through the stock 2 to receive a bolt 6, which further aids in holding

the several parts relatively in position for service.

The operation of the mechanism will be apparent from the foregoing description thereof.

It will be seen that my improved mechanism for interlocking gun-parts is particularly well adapted for the purposes for which it is intended, and further that the same may be modified to some extent, particularly as regards the details of construction whereby the bolster 9 is rendered capable of cooperating with the tie-bolt 12, without departing from the spirit and principle of my invention.

Having thus described my invention, what I claim and desire to secure by Letters-Patent, is:—

1. In combination with a gun-stock, a tang seated against the forward end of said gun-stock; a trigger-plate secured to said tang, said trigger-plate being provided with a wedge-faced boss; a removable bolster having a wedge-face cooperating with the wedge-face of said boss; and means cooperating with said tang, whereby said boss may be adjusted in a manner to produce a binding effect on the wedge-face of said bolster, substantially as herein specified.

2. In combination with a gun-stock hav-

ing a transverse bolt - opening, a trigger-plate secured along said stock, said trigger-plate having a wedge - faced boss projecting inwardly therefrom; a removable bolster having a wedge-face adapted to be engaged by the wedge-face of said boss, and having a foot provided with an opening; and a tie-bolt projecting through the opening in said stock, through the opening in said foot, and threaded at its inner end to accordingly engage said boss, substantially as herein specified.

3. In combination with a gun-stock, a trigger-plate having a wedge-faced boss projecting inwardly therefrom; a bolster removably situated at the inner side, and having a wedge-face engaged by the wedge-face, of said boss; and means for drawing said boss in the direction of said bolster, substantially as herein specified.

4. A bolster for mechanism for interlocking gun-parts, the same comprising a main portion having a wedge-face, and a foot projecting rearwardly from said main portion, said foot having an opening formed therein, substantially as herein specified.

JOSEPH F. BECK, SR.

Witnesses:

A. C. TANNER,

FRANK X. RENNINGER.