

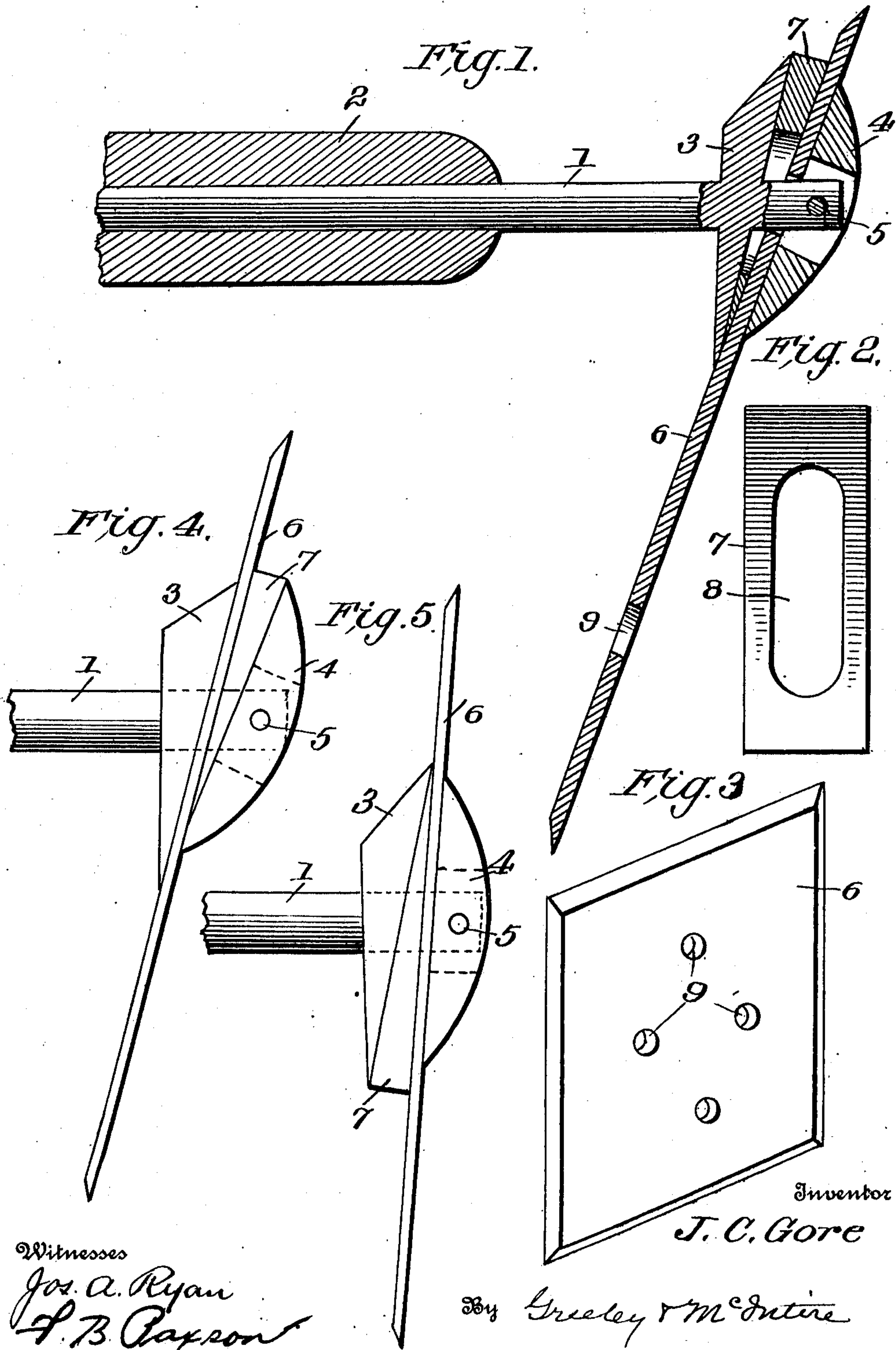
J. C. GORE.

HOE.

APPLICATION FILED JUNE 27, 1910.

992,867.

Patented May 23, 1911.



Witnesses

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# UNITED STATES PATENT OFFICE.

JOHN C. GORE, OF ATLANTA, GEORGIA.

HOE.

992,867.

Specification of Letters Patent.

Patented May 23, 1911.

Application filed June 27, 1910. Serial No. 569,115.

*To all whom it may concern:*

Be it known that I, JOHN C. GORE, a citizen of the United States, residing at Atlanta, in the county of Fulton and State of Georgia, have invented certain new and useful Improvements in Hoes; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as it appertains to make and use the same.

The present invention has relation to improvements in hoes and similar implements, and pertains more particularly to a novel fastening means for securing the blade or working element to the handle, whereby the said blade or working element may be clamped rigidly in various adjusted positions as may be required.

The object of the invention is the provision of a hoe or similar implement which comprises few and simple parts, which can be manufactured at a comparatively small cost, and which embodies novel features of construction whereby the blade or working element can be set at various angles with relation to the handle to admit of the hoe or other implement being used to the best advantage.

With these and other objects in view, the invention consists in certain combinations and arrangements of the parts as will more fully appear as the description proceeds, the novel features thereof being pointed out in the appended claims.

For a full understanding of the invention, reference is to be had to the following description and accompanying drawing, in which:—

Figure 1 is a longitudinal sectional view through a hoe constructed in accordance with the invention. Fig. 2 is a detail view of the wedge member. Fig. 3 is a similar view of the blade, and Figs. 4 and 5 are side elevations of the hoe showing the wedge member as arranged in different positions to clamp the blade at various angles.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawing by the same reference characters.

Referring to the drawing, the numeral 1 designates the stock or shank of the hoe, the said shank having one end thereof secured in the usual manner to a handle 2 of the conventional form. The opposite end of the stock or shank 1 is provided with a block 3

which is rigid with the shank and forms a flat shoulder inclined at an angle to the axis of the shank. In the present instance, this block 3 has substantially the form of a triangular prism, the inner face of the block being disposed at right angles to the axis of the shank, while the outer face of the block is arranged at an angle thereto. A cap 4 is detachably applied to the extremity of the shank 1 and is held in position by means of a pivot pin 5 which passes through corresponding openings in the cap and the shank. A blade 6 is applied to the shank or stock 1 between the block 3 and the cap 4, and a wedge member 7 is utilized for clamping the blade rigidly in position. This wedge 7 is formed with a slot 8 to receive the stock 1, and after the cap 4 has been placed in position, the head of the wedge is given several hard taps with a hammer or similar implement. The wedge is thereby caused to clamp the blade rigidly in position so that the hoe can be used in the usual manner. The blade 6 is shown as being square in formation and as having all of the edges thereof beveled, so that when one of the edges becomes dull the blade can be turned around to bring another one of the edges into operative position. The blade is shown as formed with four openings 9, any one of the openings being designed to receive the stock 1 when the blade is applied to the said block, according to the edge of the blade which it may be desired to bring into operative position. The wedge 7 may be inserted upon either side of the blade 6 and may be turned around to bring the large end of the wedge either at the top or bottom of the hoe. By thus changing the position of the wedge, the blade 6 can be set at various angles to the stock as may be required by the various conditions under which the hoe is used. While I have described the invention as applied to a hoe, it will be obvious that the same type of fastening means could be employed in connection with other implements, such as rakes, pitch forks, and the like, and I do not wish to be understood as restricting myself to a hoe.

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

1. In an implement of the character described, the combination of a stock provided with a shoulder, a cap removably applied to the end of the stock, a pin for holding the



cap in position, a blade fitted between the cap and the shoulder, and a wedge slotted to receive the stock and adapted to be fitted against either side of the blade and to be  
5 turned about the stock into various positions for clamping the blade in position at different angles.

2. In an implement of the character described, the combination of a stock provided  
10 with an inclined shoulder, a detachable cap applied to the end of the stock, a blade fitted between the cap and the shoulder, and a reversible wedge having therein an elongated aperture to receive the stock for clamping  
15 the blade at various angles between the cap and the shoulder.

3. In an implement of the character described, the combination of a stock provided with a shoulder, a cap on the end of the stock, a pin passing through alining apertures in the cap, and an aperture in the stock, whereby the cap is pivotally secured to the stock, a blade fitted between the cap and the shoulder, and a reversible wedge for clamping the blade at various angles between the cap and the shoulder.  
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In testimony whereof I affix my signature in presence of two witnesses.

JOHN C. GORE.

Witnesses:

F. P. SHERMAN,  
N. B. TAYLOR.

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."

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