G. H. BAGLEY.

WHIP SOCKET.

APPLICATION FILED NOV. 21, 1911.

1,094,413. Patented Apr. 28, 1914.

Fig. 1.

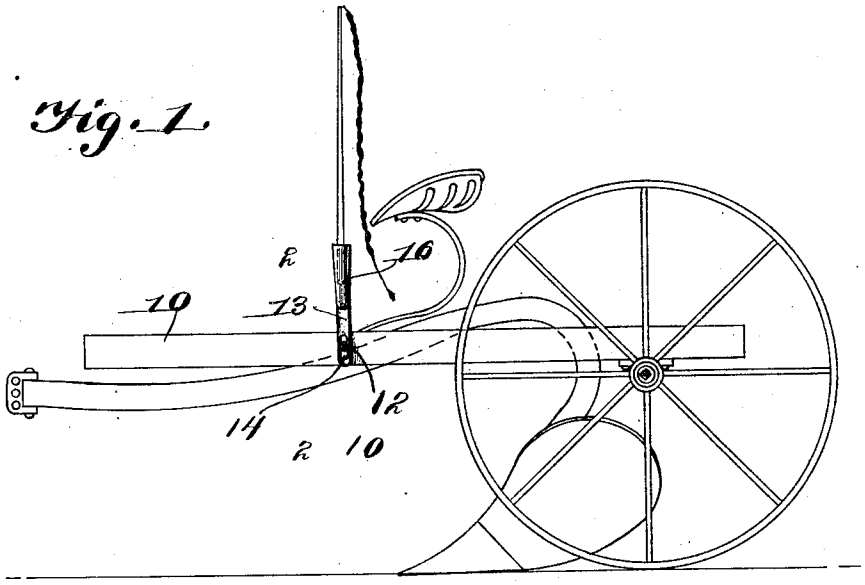
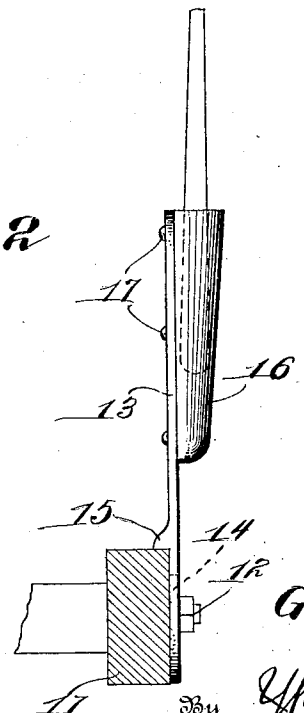


Fig. 2.



Witnesses

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UNITED STATES PATENT OFFICE.

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WHIP-SOCKET.

1,094,413. Specification of Letters Patent. **Patented Apr. 28, 1914.**

Application filed November 21, 1911. Serial No. 661,589.

To all whom it may concern:

Be it known that I, GILBERT H. BAGLEY, a citizen of the United States, residing at Deapolis, in the county of Mercer and State of North Dakota, have invented certain new and useful Improvements in Whip-Sockets; and I do hereby 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 whip sockets, and is designed particularly to construct a device of this nature which may readily be attached to the beams of sulky plows or cultivators.

The beams or tongues of sulky cultivators or plows, of standard make and construction, are usually constructed in such a manner that the same are pierced by bolts, said bolts performing different functions in the plow or cultivator.

It is the object of the present invention to utilize these bolts by providing a whip socket which may be attached to any sized cultivator tongue or beam, and at the same time be held in rigid and fixed relation thereto, by these bolts, which are primarily in the cultivator beam or tongue. Standard whip sockets now in use are such that it is impossible to attach the same to the beams or tongues of plows or cultivators without applying an independent attaching means, inasmuch as the sockets are not constructed to utilize the elements or bolts upon the standard type cultivator or plow.

With the above and other objects in view, this invention consists in the construction, combination and arrangement of parts, as hereinafter more particularly described, claimed and illustrated in the accompanying drawings, wherein:

Figure 1 is a side elevation of any standard plow illustrating the present invention attached thereto; and Fig. 2 is a section taken along line 2—2 of Fig. 1 and illustrating the details of construction of the whip socket, which constitutes the principal subject of the present invention.

The whip socket which constitutes the present invention comprises a plate preferably rectangular in formation, having a longitudinally extending slot adjacent to the lower terminal thereof adapted to receive the single bolt which pierces the cultivator beam, as illustrated, said bolt being a part of the permanent structure of the cultivator or plow. Adjacent to the longitudinal openings is provided an inwardly extending shoulder, lug or projection which is provided with a flat surface constructed at right angles to the plate, and is adapted to rest upon the upper side of the cultivator beam or tongue. This overcomes any tendency on the part of the plate heretofore mentioned to operate laterally about the bolt, as a pivot eliminates the necessity of providing two independent attaching means which would otherwise be necessary to overcome the rotary tendency of the plate. At the upper terminal of the plate and the opposite sides thereof and the lug or projection is mounted a metal socket for the reception of a whip which is riveted or otherwise secured to the plate.

Referring more particularly to the drawings, 10 indicates a plow provided with a beam 11, said beam being permanently pierced by the bolt 12, which constitutes a permanent fixed element of the cultivator or plow 10. A plate 13 is mounted upon one side of the beam 11, and is provided adjacent to its lower terminal with a longitudinal slot 14 which is adapted to receive the bolt 12 and attach the plate to the cultivator beam or tongue 11. Adjacent to this slot 14 on the inner side of the plate 13 is formed a projection or lug 15, the lower surface of which is flat and at right angles to the body of the plate 13, said lower surface adapted to rest upon the upper face of the beam or tongue 11, and constitute a bearing for the plate in such a manner that the said plate may in no way rotate about the bolt 12 as a pivot, thereby eliminating the necessity of a double securing means. Adjacent to the upper terminal of the plate 13, and upon the opposite side thereof to the lug or projection 15 is a socket 16 which is of any suitable shape, said socket being secured to the plate by the rivets or screws 17 piercing said plate and said socket. It will clearly be understood that the adjustment of this plate 13 upon the beam 11 is within the limits of the slot 14, it being possible to position the bolt 12 anywhere within this slot in such a manner that the projection or lug 15 always rests upon the upper face of the cultivator beam or tongue 11. This permits the adjustment of the whip socket to substantially all sizes of cultivator beams or tongues. The width of the cultivator beam or tongue does not come into the applicability of the present invention in any manner,

and inasmuch as the slot 14 overcomes the height of the beam 11, and is such that the plates may be adjustable to all standard sizes of plows or cultivators, etc.

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

The hereindescribed whip socket provided with a flat side, and a bar to which said flat side is secured, said bar having a projection to engage the upper edge of a beam to prevent rotative movement of the bar, and said bar having a longitudinal slot therein, and a bolt extending through said slot and beam for securing the bar to a beam and for providing means for attachment of the whip socket to beams of various heights or thicknesses.

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

GILBERT H. BAGLEY.

Witnesses:

HENRY MONSON,

H. H. KENYON.

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