W. M. MEDCALF.

MOLDBOARD FOR CULTIVATOR SHOVELS.

APPLICATION FILED AUG. 28, 1909.

962,909. Patented June 28, 1910.

Fig. 1.

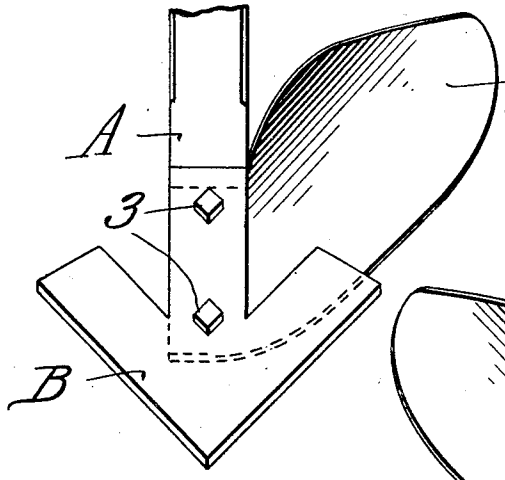
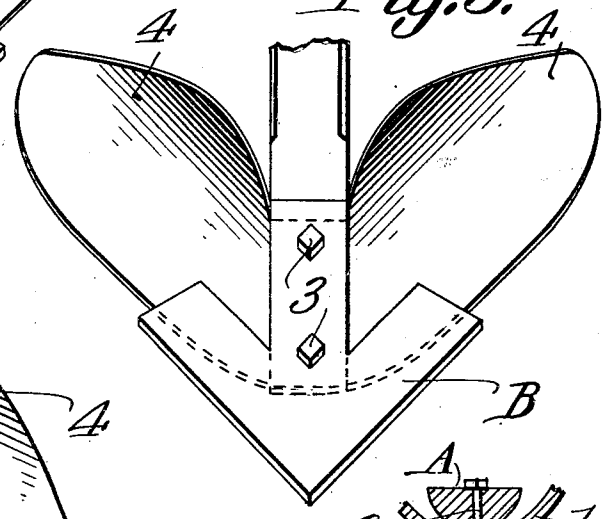


Fig. 3.



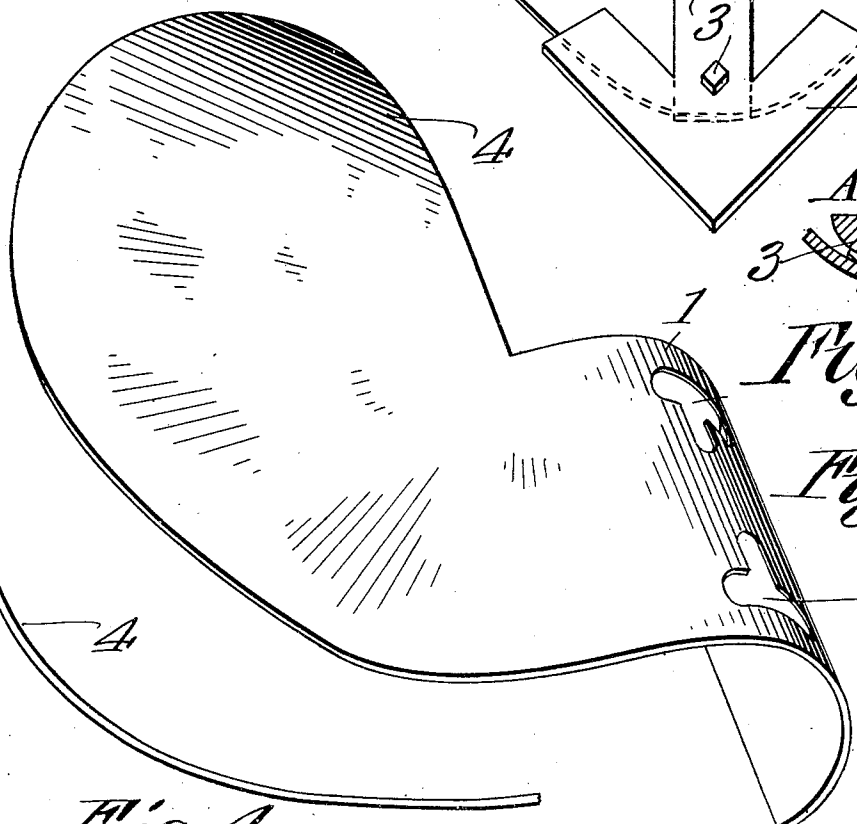


Fig. 5.

Fig. 2.

Fig. 4.

Witnesses

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UNITED STATES PATENT OFFICE.

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MOLDBOARD FOR CULTIVATOR-SHOVELS.

962,909. Specification of Letters Patent. **Patented June 28, 1910.**

Application filed August 28, 1909. Serial No. 515,068.

To all whom it may concern:

Be it known that I, WILLIAM M. MEDCALF, a citizen of the United States, residing at May, in the county of Brown and State of Texas, have invented a new and useful Moldboard for Cultivator-Shovels, of which the following is a specification.

This invention relates to mold boards for cultivator shovels and the like and its object is to provide a simple form of device of this character which can be readily applied to the stock of a shovel or the like so as to throw the soil to either side desired.

Another object is to provide a mold board which is cheap to manufacture, durable in construction and can be readily applied.

With these and other objects in view, the invention consists in certain novel details of construction and the combinations of parts hereinafter more fully described and pointed out in the claims.

In the accompanying drawings the preferred form of the invention has been shown.

In said drawings:—Figure 1 is an elevation of a shovel having a mold board applied thereto, said mold board being constructed in accordance with the present invention. Fig. 2 is a perspective view of the mold board. Fig. 3 is a view similar to Fig. 1 and showing two mold boards secured to the shovel stock. Fig. 4 is an end view of the mold board. Fig. 5 is a transverse section through the stock and the lapping portions of the mold boards shown in Fig. 3.

Referring to the figures by characters of reference, A designates a stock and B designates a shovel, the said stock being shaped for engagement with the head 1 of the mold board. This head is in the form of a bowed metal plate having keyhole slots 2 therein for the reception of securing bolts 3 which extend through and are fastened to the stock. The head 1 is provided at one side with a curved wing 4, so shaped that when the head is fastened to the stock, said wing will operate to throw the soil to one side after the fashion of the ordinary mold board of a plow.

The edge of the wing extends upwardly from and forms an angle with the upper edge of the board head and said edge of the wing then extends downwardly and merges into the lower edge of the head to form an ogee curve.

It is to be understood that mold boards such as herein described are to be manufactured in "rights" and "lefts" either of them being utilized for the purpose of throwing the soil to the right or to the left, or, if preferred, and as shown in Fig. 3, the heads of a right and a left mold board may be nested together and fastened to the same stock so as to throw the loosened soil both ways during the cutting of a furrow.

It will be seen that a device such as herein described is simple in construction, can be readily applied, and permits a single shovel to be used for several purposes which have heretofore required the use of different implements.

Various changes can, of course, be made in the construction and arrangement of the parts without departing from the spirit or sacrificing the advantages of the invention.

What is claimed is:—

The combination with a stock and shovel secured to the stock, of a mold board formed in a single sheet of metal and including a laterally curved head embracing and detachably secured to the stock, there being an upwardly extending wing at one side of the head and the edge of which extends upwardly at an angle from the upper edge of the head and thence downwardly and merges into the bottom edge of the head to form an ogee curve.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

WILLIAM M. MEDCALF.

Witnesses:
W. P. VANDERVEER,
MAURICE BELL.