

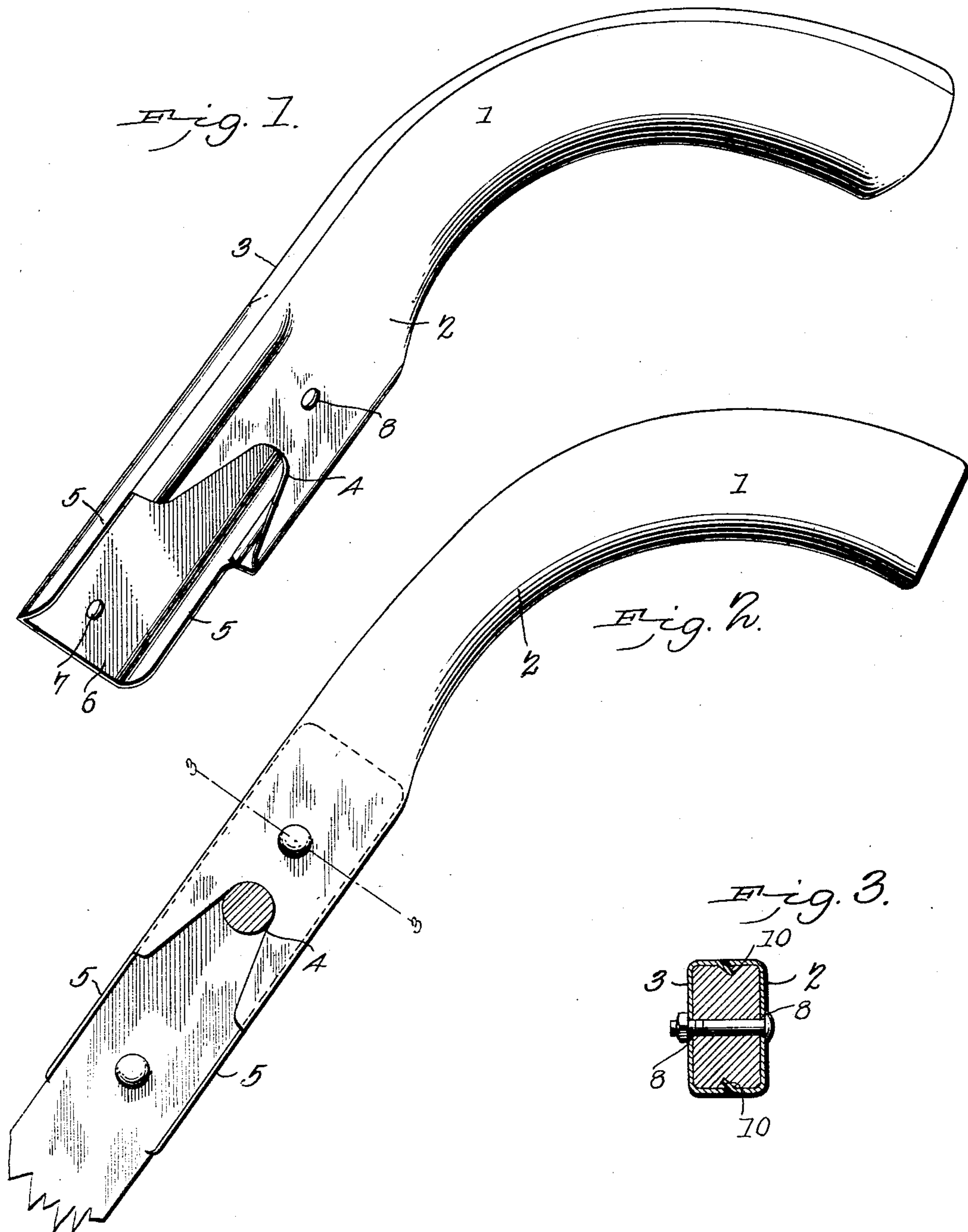
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PATENTED DEC. 8, 1903.

S. BRED AHL.  
PLOW HANDLE.

APPLICATION FILED JUNE 27, 1903.

NO MODEL.



Witnesses  
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# UNITED STATES PATENT OFFICE.

SAMUEL BREDAHL, OF POWHATTAN, KANSAS.

## PLOW-HANDLE.

SPECIFICATION forming part of Letters Patent No. 746,003, dated December 8, 1903.

Application filed June 27, 1903. Serial No. 163,370. (No model.)

*To all whom it may concern:*

Be it known that I, SAMUEL BREDAHL, a citizen of the United States, residing at Powhattan, in the county of Brown and State of Kansas, have invented a new and useful Plow-Handle, of which the following is a specification.

This invention relates to plow-handles; and it has special reference to a device which may be successfully used for repairing broken handles.

It is a well-known fact that when the handles of plows, cultivators, and similar farm implements break the fracture will in the majority of cases be at the point where the handles are bent to be grasped by the operator. It is usually a difficult and expensive job to repair such handles or to provide new ones, inasmuch as the handles are usually made at their points of attachment to the implement with special curves which may not be readily imitated by the ordinary mechanic or artisan, and thus, especially in the case of plows, when a new handle is provided it will usually be found that the "run" of the plow has been spoiled.

The object of my invention then is to provide a tip or handle portion which shall be capable of being easily and quickly applied at little expense to handles which have been broken, thus placing the same quickly in condition for further use.

My invention consists in the improved construction of the repair-handle or handle-tip, which will be hereinafter fully described, and particularly pointed out in the claims.

In the accompanying drawings, Figure 1 is a perspective view of a repair-handle constructed in accordance with the principles of my invention. Fig. 2 is a side view showing the same applied to an ordinary plow-handle. Fig. 3 is a transverse section taken on the line 3 3 in Fig. 2.

Corresponding parts in the several figures are indicated by similar numerals of reference.

My improved repair-handle, which as a whole is designated 1, is preferably constructed of sheet metal sufficiently heavy to produce an article which shall be fully able when

finished to resist any strain to which it is liable to be subjected. The shape of the finished device interiorly is precisely that of the ordinary bent plow-handle tip, and regarding its construction I desire to state that I prefer to make it in two parts, which may be easily stamped and accurately shaped from the material indicated. The two sides or parts of the device are designated, respectively, 2 and 3, and said parts are preferably permanently connected together, either by means of soldering, as shown in the drawings, or in any other manner that may prove convenient and by which the permanency of the connection shall be insured. In the preferred construction (illustrated in Fig. 3 of the drawings) the side members are provided with inturned flanges 10, each forming a seat for the opposing edge of the adjacent side member and enabling the said side members to be soldered together in such a manner as to form a perfectly smooth exterior finish, while at the same time great strength of said joint is insured.

The side or member 2 of my improved repair-handle is provided at its lower end with a recess or cut-out portion 4, the object of which is to afford room for the round which ordinarily connects the plow-handles near their upper ends below the bent tips. The opposite side 3, which is the outer side of the device, is extended several inches below the extreme lower end of the inner side pieces 2 and is provided with flanges 5 to engage the front and rear sides of the handle to which the device is applied. This flanged downward extension of the outer side 3, and which is specially designated 6, is provided with a bolt-hole 7 for the reception of a fastening-bolt. The device is also provided with bolt-holes 8, extending through the side members 2 and 3 at suitable distances above the cut-out portion of the inner member 2 of the device, said bolt-holes 8 being placed in true alinement with each other.

The operation of this device and its advantages will be readily understood from the foregoing description, taken in connection with the drawings hereto annexed.

It is obvious, of course, that the handles are



to be made rights and lefts, so that they may be fitted to either right or left handles, the outer side member of the repair-handle being always extended several inches below the inner side member, which is recessed so as to permit it to be extended some distance below the cross-round which connects the handles, the flanged downward extension of the outer side member 3 being thus usually extended some four inches below the cross-round.

To apply my improved repair-handle, the broken end of the handle which is to be repaired is sawed off, and the repair-handle is then adjusted upon it and driven down to the proper position, which may be easily done without the necessity of employing skilled labor for the purpose.

The peculiar construction of the repair-handle, in connection with the fact that the latter is constructed of sheet metal, enables the lower end of said repair-handle to be closely fitted upon the handle-stub, the interior flanges 10 of said repair-handle being readily hammered into the wood of the handle-stub, thus assisting in the effective securing of the repair-handle and preventing it from being readily dislocated. That portion of the repair-handle which lies below the cross-round may be easily tightened or clenched upon the wooden stub, so as to effect a very tight fit.

My improved repair-handles may of course be manufactured in various sizes to fit various-sized handles; but it is well known that the range of sizes in handles for agricultural implements is not very extensive, and consequently no very great assortment of sizes need be made, especially in view of the fact that, as stated in the foregoing, my improved handles are capable of being fitted or clenched very closely upon the wooden stubs in the event of the latter being slightly smaller than the repair-handle. In case of the stubs being too large they may be of course slightly trimmed to admit of the adjustment thereon of the repair-handle.

An important feature of my invention is this, that in practice only two bolts are required to secure the handle in position upon the broken stub. One of said bolts will engage the downward extension of the outer side of the member 3 only, and it will thus be possible to bore a hole through the handle-stub for the reception of said bolt without any possibility of missing the exact place. The bolt-hole which is to be bored through the handle for the reception of the bolt passing through the openings 8 8 will extend through the stub transversely, where it is rarely more than one inch in thickness, and the boring of this hole

will not involve much difficulty to make it aline with the openings 8.

My invention will be seen from the foregoing to be one of great simplicity and one which may be easily and successfully utilized by the farmer without necessity for calling in the services of an artisan for the purpose of making repairs to broken handles, thereby saving much time and expense.

Having thus described my invention, I claim—

1. A repair-handle for agricultural implements consisting of a shell curved to form a handle-tip, the inner side member of said shell being provided with a recess and the outer side member of said shell being extended below the inner side member and provided with flanges at the edges thereof.

2. A repair-handle for agricultural implements consisting of a shell curved to form a handle-tip, said shell being composed of an inner and an outer side member, the inner side member having a recess at its lower end and the outer side member being extended below the lower end of the inner side member and provided with flanges at the edges thereof.

3. A repair-handle for agricultural implements consisting of a shell curved to form a handle-tip, said shell being composed of an inner and an outer side member suitably connected at the edges to form an interior seam.

4. A repair-handle for agricultural implements consisting of a shell curved to form a handle-tip, said shell being composed of an inner and an outer side member suitably connected along their edges to form an internal flange, said inner side member being provided with a recess at its lower end and said outer side member being extended below the extreme lower end of the inner side member and provided with flanges at the edges thereof.

5. A repair-handle for agricultural implements consisting of a shell curved to form a handle-tip, said shell comprising an inner and an outer member, the latter being extended below the lower end of the inner member and provided with flanges and with a bolt-hole, and said inner member being provided at its lower end with a recess, alining bolt-holes being formed in said inner and outer side members above the said recess in the inner side member.

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

SAMUEL BRED AHL.

Witnesses:

IDA R. GRAHAM,  
FRED E. GRAHAM.