

E. DALY.
HARROW PIN.
APPLICATION FILED DEC. 16, 1913.

1,119,248.

Patented Dec. 1, 1914.

Fig. 1

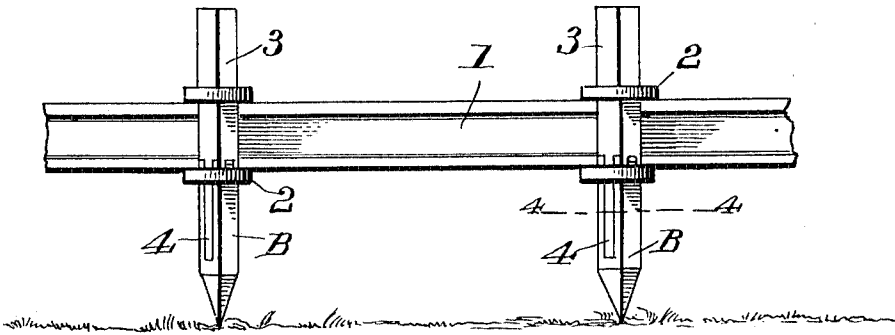


Fig. 2.

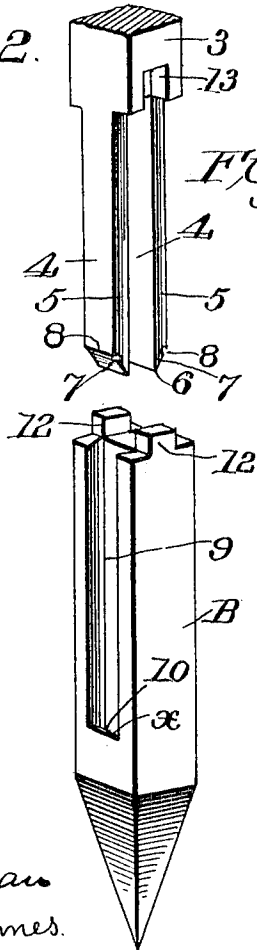


Fig. 3.

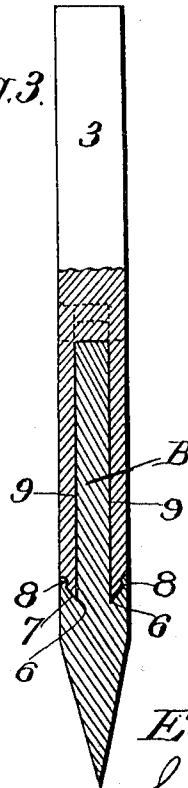
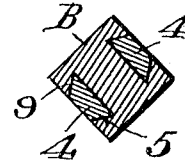


Fig. 4.



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HARROW-PIN.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, EDMOND DALY, a citizen of the United States, and a resident of New Monterey, in the county of Monterey and State of California, have invented certain new and useful Improvements in Harrow-Pins, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to certain new and useful improvements in harrow pins, and the object of my invention is to provide a harrow pin with a removable point so that as the point wears away the same can be removed and be replaced by a similar but sharp and pointed end.

Another object is to provide a pick, ax or other sharp edged implement, with a removable active edge, so that the same may be readily removed to be replaced by a sharp member.

With these and other objects in view, the present invention consists in the combination and arrangement of parts as will be hereinafter more fully described and finally pointed out in the appended claims, it being further understood that changes in the specific structure shown and described may be made within the scope of the claims without departing from the spirit of the invention.

In the accompanying drawings forming a part of this specification and in which like numerals of reference indicate similar parts in the several views: Figure 1, shows an elevational view disclosing a broken portion of a harrow frame with two pins constructed according to my invention secured thereto. Fig. 2, shows a perspective view of a broken portion of a harrow pin, disclosing the point as detached from the head. Fig. 3, is a view partly in section. Fig. 4, is a section on line 4, 4 of Fig. 1.

In my present invention I aim to provide a sharp or pointed tool with a bit, which can be readily removed from the head, so that a new bit may be readily attached.

In the accompanying drawings 1, designates a broken portion of a harrow frame, and 2, the yokes conventionally used in securing a harrow pin to an angle iron harrow frame. As shown, each pin includes a head or receiving member 3, and this head or receiving member has two bevel-edged tangs 4, extending in parallel spaced relation, as clearly shown in Fig. 2. As disclosed in Fig. 4, the longitudinal edges 5,

of the tangs are beveled, while the ends 6 of the tangs are also bevel-edged, as is shown at 7, and each one of these beveled faces 7, is traversed by a transversely extending kerf 8. These kerfs are best shown in Fig. 2.

The point or bit B, has two oppositely positioned parallel extending seats 9, the opposing faces of which incline toward one another, so as to snugly receive the bevel-edged tangs 4, as disclosed in Fig. 4. Each wall formed at the lower end of each seat is directed obliquely inward as is shown at 10, in Fig. 2, so that when the tangs 4 are within the seats 9, the walls 10, will extend over the transverse kerfs 8.

As shown in Fig. 2, the pin or bit B, is provided with two upstanding lugs 12, and these lugs are arranged for co-action with the oppositely positioned sockets 13, located upon opposite sides, and between the tangs 4, as disclosed in Fig. 2. The sockets 13, are of a length greater than the length of the lugs 12.

In securing a bit to the head after the tangs have been forced into the seats 9, the metal forming the walls 10 may be slightly driven inward, so that a part of the metal will seat within the kerfs 8. This will securely hold the bit against accidental detachment. When it is desired to remove the bits B, the operator securely fastens the receiving member 3, and inserts a tool upon the lugs 12, the sockets 13, forming access openings. Then in smartly tapping or hammering upon the lugs 12, the bit will become detached. A new bit can then be attached in the manner described. It is of course understood that a hatchet or ax bit could be similarly secured to the head.

A harrow pin constructed according to my invention is simple and comparatively inexpensive and is both durable and efficient in operation, while the bit or pin may be removed from the head or receiving member with ease, accuracy and despatch.

Having thus described my said invention, what I claim as new and desire to secure by United States Letters Patent is:

1. In combination, a receiving member having two bevel-edged tangs extending in parallel spaced relation, each tang end being bevel-edged and having a transversely extending kerf, and sockets located upon opposite sides between said tangs, and a removable bit having two oppositely posi-

tioned parallel extending seats, the opposing faces of which incline toward one another to receive said bevel-edged tangs, two oppositely positioned lugs extending from
5 said bit of a length less than the length of said sockets, the walls at the end of each seat being directly obliquely inward to extend over said kerfs, as and for the purpose set forth.

10 2. In combination, a receiving member having two bevel-edged tangs extending in parallel spaced relation each tang end being bevel-edged and having a transversely extending kerf, and sockets located upon op-
15 posite sides between said tangs, and a re-

movable bit having two oppositely positioned parallel extending seats the opposing faces of which incline toward one another to receive said bevel-edged tangs, two oppositely positioned lugs extending from said
20 bit arranged to extend into said sockets, the walls at the end of each seat being directed obliquely inward to extend over said kerfs, as and for the purpose set forth.

In testimony whereof I affix my signature, 25
in the presence of two witnesses:

EDMOND DALY.

Witnesses:

HAZEL PEREGRINE,
H. M. ROBERTS.

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