

(No Model.)

W. C. GREGG.

SHOVEL.

No. 348,161.

Patented Aug. 24, 1886.

Fig. 1.

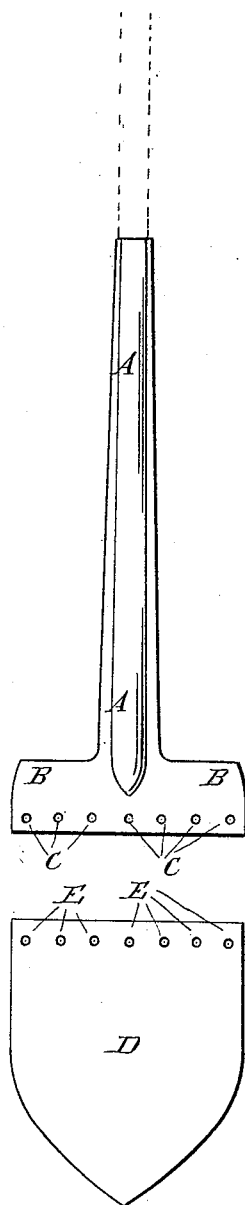


Fig. 2.

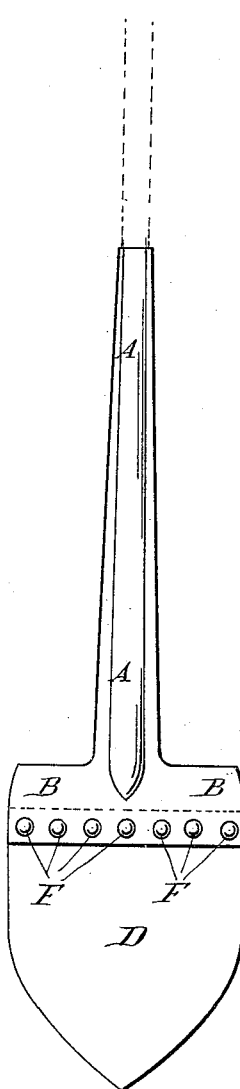
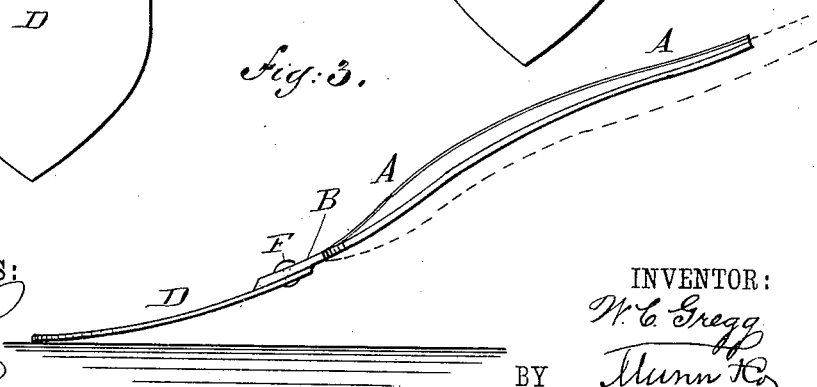


Fig. 3.



WITNESSES:

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WILLIAM C. GREGG, OF GOLCONDA, NEVADA.

SHOVEL.

SPECIFICATION forming part of Letters Patent No. 348,161, dated August 24, 1886.

Application filed November 28, 1885. Serial No. 1^o4,172. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM C. GREGG, of Golconda, in the county of Humboldt and State of Nevada, have invented a new and useful
5 Improvement in Shovels, of which the following is a full, clear, and exact description.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate
10 corresponding parts in all the figures.

Figure 1 is a front elevation of the upper and lower parts of my improved shovel, shown separated. Fig. 2 is a front elevation of the same, shown connected. Fig. 3 is a side elevation of the same.
15

The object of my invention is to provide shovels of the kind known as "long-handled shovels," constructed in such a manner that the blade when worn can be readily replaced
20 by a new one.

The invention consists in the construction and combination of various parts of the shovel, as will be hereinafter fully described, and specifically pointed out in the claims.

25 A represents the socket-strap, to which a handle is secured in the ordinary manner, as indicated by the dotted lines in Figs. 1, 2, and 3. Upon the lower end of the socket-strap A is formed a plate, B, similar to the upper part
30 of a shovel-blade, and which has a row of rivet-holes, C, formed through it near its lower edge.

35 D is a shovel-blade made similar to an ordinary shovel-blade, except that it may be a little shorter, and which has a row of rivet-holes, E, formed through it near its upper edge.

40 In connecting the parts B D of the shovel the upper part of the blade D is lapped upon the rear side of the lower part of the plate B, so that the rivet-holes C E will coincide. Rivets F are then passed through the rivet-holes from the rear side of the blade D, and are headed down upon the forward side of the

plate B, so as to firmly connect the said blade 45 and plate. The forward side of the lower edge of the plate B and the rear side of the upper edge of the blade D are beveled, to prevent the substance being shoveled from lodging against the said edges. With this construction when
50 the blade D becomes worn the rivets F can be punched out and the worn blade replaced by a new one, thus saving the expense of an entire new shovel every time a blade wears out.

55 I am aware that it is not new to secure a shovel-blade to the handle-shank by means of rivets, and I do not claim the same, broadly, as of my invention.

Having thus fully described my invention, 60 I claim as new and desire to secure by Letters Patent—

1. The combination, with the blade D, having a straight upper edge, a series of apertures, E, along the same, and having its lower edge 65 pointed, as shown, of the T-shaped handle-socket strap A, formed with the plate B on its lower end, the plate B having its lower straight edge apertured at C and overlapping the upper edge of the blade D, and rivets F, passing
70 through said apertures, the edges of the overlapped ends of the blade and plate being beveled, substantially as set forth.

2. In a shovel, the handle-socket strap A, struck from a single piece of metal and formed 75 with the plate B, having a straight lower edge provided with a series of apertures, C, substantially as shown and described.

3. As an improved article of manufacture, a shovel-plate formed of sheet metal and having a straight upper edge, with a series of apertures, E, and pointed on its lower edge, as shown.

WILLIAM C. GREGG.

Witnesses:

WILLIAM CUSICK,
WILLIAM R. RICH.