

No. 648,321.

Patented Apr. 24, 1900.

W. WESTERBERG.
SHOVEL.

(Application filed Feb. 27, 1900.)

(No Model.)

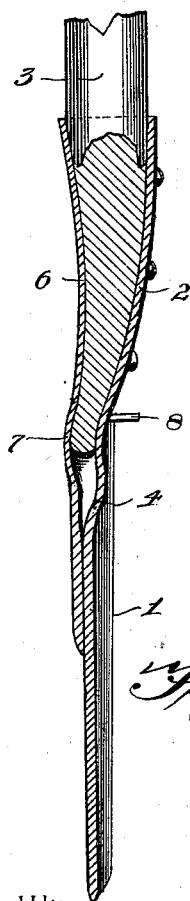
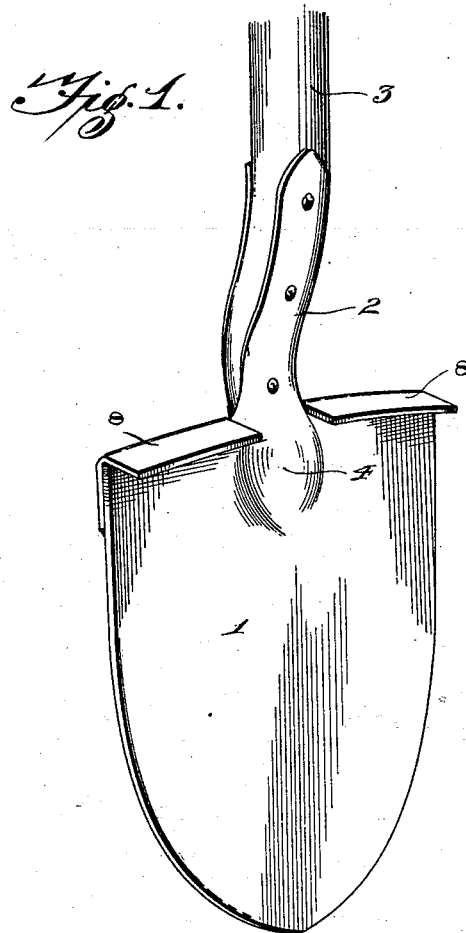
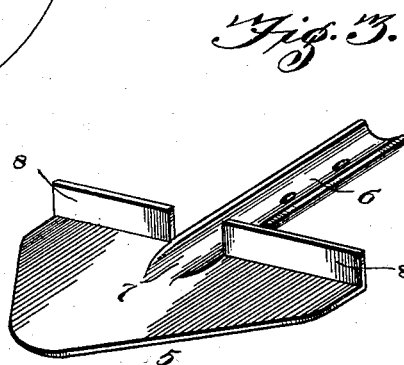


Fig. 2.



Witnesses

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UNITED STATES PATENT OFFICE.

WASTE WESTERBERG, OF EARLY, IOWA.

SHOVEL.

SPECIFICATION forming part of Letters Patent No. 648,321, dated April 24, 1900.

Application filed February 27, 1900. Serial No. 6,718. (No model.)

To all whom it may concern:

Be it known that I, WASTE WESTERBERG, a citizen of the United States, residing at Early, in the county of Sac and State of Iowa, have invented a new and useful Shovel, of which the following is a specification.

The invention relates to improvements in shovels.

The object of the present invention is to improve the construction of shovels, more especially those employed for tamping and analogous purposes, and to increase the strength, durability, and efficiency of those shovels employing flanges or wings at the upper edges of the blade to receive the foot of the operator.

The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended.

In the drawings, Figure 1 is a perspective view of a shovel constructed in accordance with this invention. Fig. 2 is a longitudinal sectional view of the same. Fig. 3 is a detail perspective view of the back plate or pad.

Like numerals of reference designate corresponding parts in all the figures of the drawings.

1 designates a shovel-blade provided at the center of its upper edge with an integral tang 2, which is extended longitudinally of and secured to the front face of the lower portion of a handle 3, as clearly illustrated in Figs. 1 and 2 of the drawings, and the upper portion of the blade is provided with the usual bulged portion 4 to conform to the configuration of and receive the lower end of the handle. The shovel is provided at the rear face of the blade with a tapering pad or back plate 5, located at the upper portion of the blade, as illustrated in Fig. 2, and provided with a central upwardly-extending tang 6, which conforms to the configuration of and receives the lower portion of the handle 3. The handle is rounded and the front and rear tangs are curved in cross-section to conform to the configuration of the same. The back plate is provided, adjacent to the lower end of the tang 6, with a bulged portion 7 similar to the

portion 4 of the blade and located opposite the same.

In order to obviate riveting and the consequent perforation of the plate and the blade, the two parts are welded or brazed together and the plate is provided at its upper edge at opposite sides of the central tang 6 with forwardly-extending wings or flanges 8, formed integral with the plate and extending over the upper edge of the blade. These wings or flanges, which extend to the side edges of the blade of the shovel, are adapted to be engaged by the foot of the operator to enable him to use the shovel for tamping and analogous purposes with greater rapidity and with greater force without inconvenience to the operator and without injuring the foot or the shoe. The projecting flanges or wings also serve to retain material on the shovel, and thereby increase the capacity of the latter.

It will be seen that the device, which consists of the back plate, with its tangs and flanges or wings, is simple and comparatively inexpensive in construction, that it increases the strength, durability, and efficiency of the shovel, and that it may be readily applied to the blade and to the handle without perforating the former. It will also be apparent that the device is adapted to be stamped or otherwise formed of a single piece of sheet metal and that the blades or wings project forward, so that their edges do not come in contact with the foot of the operator. Also the wings by extending over the upper edges of the shovel-blade prevent the foot of the operator from coming in contact with such edges, as would be the case were the plate applied to the front of the shovel instead of at the rear face thereof.

What I claim is—

1. A shovel comprising a blade, a handle, and a back plate secured to the rear face of the blade at the upper portion thereof and provided at opposite sides of the handle with forwardly-extending wings or flanges, adapted to receive the foot of the operator, substantially as described.

2. A shovel comprising a blade having a tang, a handle having the said tang secured to its front face, and a back plate secured to

the rear face of the blade and provided with
an integral tang secured to the back of the
handle, said back plate being provided at op-
posite sides of the handle with forwardly-
5 projecting wings or flanges extending over
the upper edges of the blade, substantially as
described.

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

WASTE WESTERBERG.

Witnesses:

D. D. CARLTON,

A. L. VAN DER VELDEN.