W. BAUER.

SHOVEL.

APPLICATION FILED AUG. 2, 1918.

1,281,483.

Patented Oct. 15, 1918.

Fig. 1.

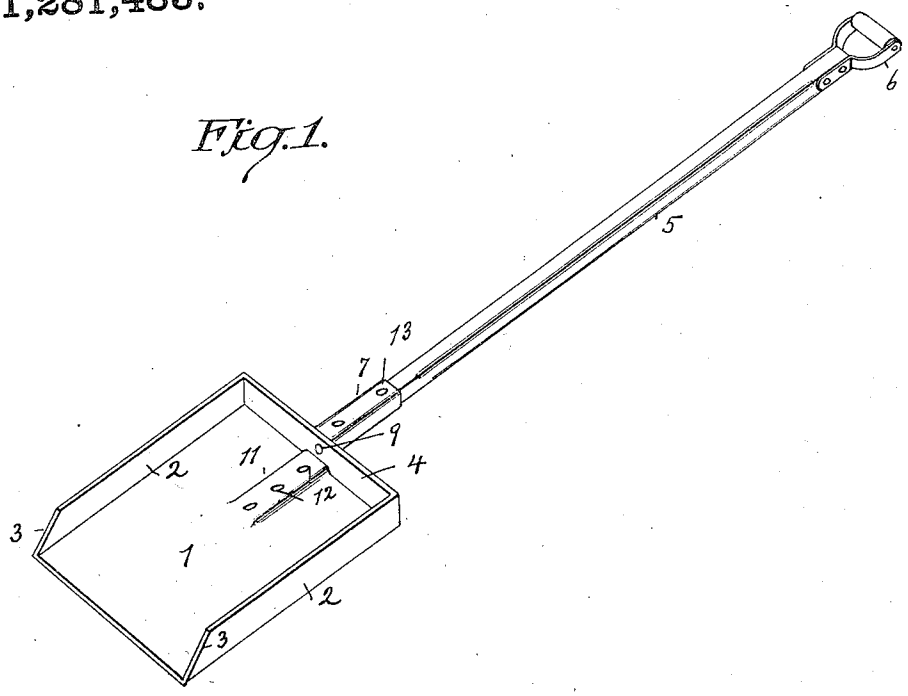


Fig. 2.

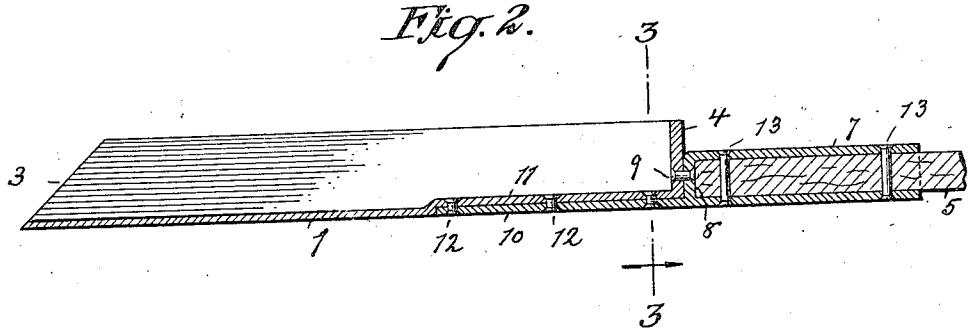
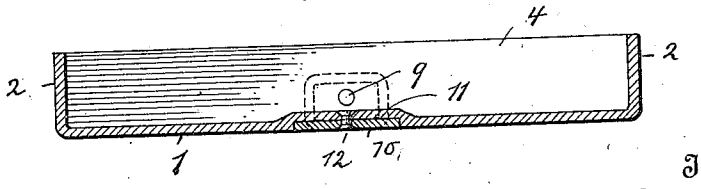


Fig. 3.



Inventor

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By his Attorney

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UNITED STATES PATENT OFFICE.

WILLIAM BAUER, OF NEW YORK, N. Y.

SHOVEL.

1,281,483. Specification of Letters Patent. Patented Oct. 15, 1918.

Application filed August 2, 1918. Serial No. 247,920.

To all whom it may concern:

Be it known that I, WILLIAM BAUER, a citizen of the United States, and a resident of New York city, in the borough of Bronx and State of New York, have invented certain new and useful Improvements in Shovels, of which the following is a specification.

This invention relates to a shovel of novel construction more particularly designed for removing the ashes from the ash pit of a furnace. Heretofore, the ashes were generally drawn toward the front of the pit by a hoe, and were then scooped into the ash can, which operations involved considerable time and labor. The shovel constructed in accordance with my invention, may be readily slid along the sole of the pit, to become charged with successive loads which are dumped directly into the can, and is furnished with a handle-socket, which effectively withstands the severe strain to which it is subjected during use.

In the accompanying drawing:

Figure 1 is a perspective view of a shovel embodying my invention;

Fig. 2 a longitudinal section, with part of the handle broken away, and

Fig. 3 a cross section on line 3—3 of Fig. 2.

The blade of the shovel has a flat rectangular bottom 1, a pair of straight parallel side flanges 2 having beveled front edges 3, and a back flange 4 that joins the side flanges at right angles. The handle 5 is provided at its outer end with a grip 6 and projects with its inner end into a tubular socket 7 that bears with its closed end 8 against the center of flange 4 to which it is connected by a rivet 9. From the bottom of socket 7 extends forwardly an integral lip or projection 10 that underlies bottom 1, such bottom being provided with a rear centrally disposed bulge 11, for the accommodation of the lip, so that in this way, the lower face of the latter is flush with the lower face of bottom 1. Lip 10 is secured to bottom 1, by rivets 12, while additional pins or rivets 13 serve to secure the handle 5 within its socket 7. It will be seen that as the shovel is pushed along the sole of the pit, it will, owing to the beveled edges 3, readily force its way through the ashes, which will charge the blade without undesirable leavings at its sides or beneath its bottom. Furthermore, the connection between the blade and handle is such that a joint of great strength is here formed, which is not liable to give way under the severe strain to which it is subjected.

I claim:

A shovel comprising a blade having a bulged bottom and a rear flange, a socket having a closed end that abuts against said flange, means for connecting said end to said flange, a lip projecting from the socket below the bulged bottom, means for connecting said lip to said bottom, and a handle projecting into the socket.

WILLIAM BAUER.