May 28, 1929. J. M. DENNING 1,714,592

SHOVEL

Filed Aug. 11, 1926

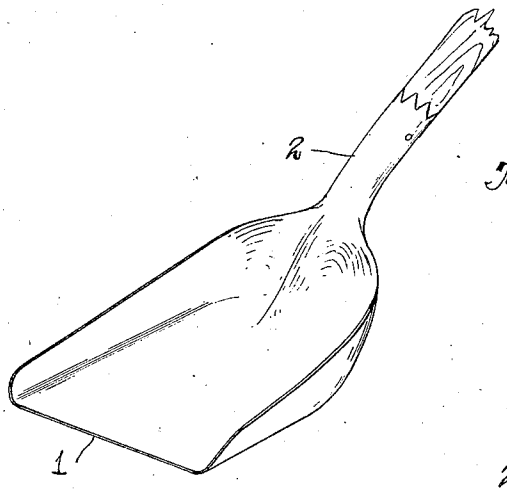


Fig. 1

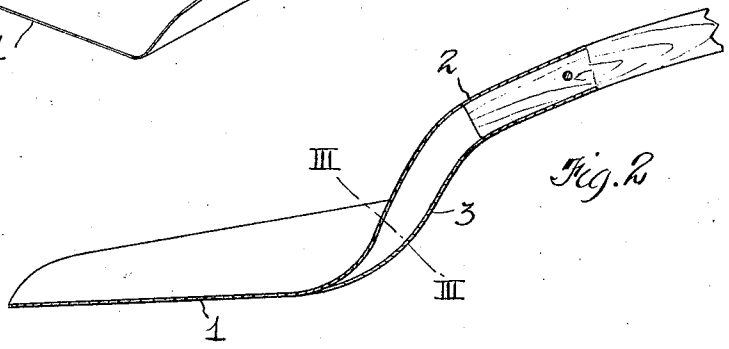


Fig. 2

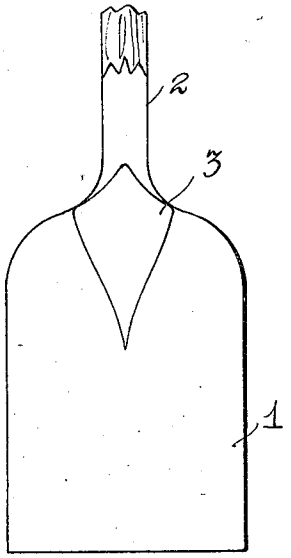


Fig. 4.

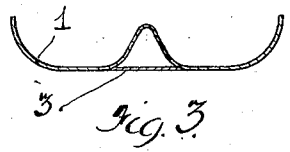


Fig. 3

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Patented May 28, 1929. 1,714,592

UNITED STATES PATENT OFFICE.

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SHOVEL.

Application filed August 11, 1926. Serial No. 128,524.

This invention relates to shovels, and more particularly shovels for handling food materials, as in meat packing establishments, candy factories, etc. Heretofore the available metal shovels have been generally objectionable in such work in that too many creases are presented for the lodgment of material handled, an adequate cleaning and sterilizing is correspondingly impossible. A shovel which is of thoroughly sanitary design and construction for such usage is accordingly highly desirable.

To the accomplishment of the foregoing and related ends, the invention, then, consists of the means hereinafter fully described and particularly pointed out in the claims, the annexed drawing and the following description setting forth in detail certain features embodying the invention, such disclosed means constituting however, but one of various forms in which the principle of the invention may be used.

In said annexed drawing:

Fig. 1 is a perspective view of a shovel embodying the present invention; Fig. 2 is a central longitudinal section; Fig. 3 is a transverse section on a plane indicated by the line III—III, Fig. 2; and Fig. 4 is an elevational view of the back.

In its general aspects, the invention contemplates a shovel having a substantially integral blade, socket and back, with the surfaces smooth and free from recesses. The reference character 1 in the drawing designates a blade, preferably turned up at the sides and back in scoop form and having an extension socket 2 to receive a wood or metal handle. The edges forming the socket are brought entirely together at the back and are welded into a smooth integral construction. A filler-plate 3 is placed over the crease at the back and is also welded along its margins throughout to the blade and the socket. In Fig. 4 in order to make clear the construction, the plate 3 is shown with sharply-defined boundaries. In the finished article however, particularly where the seams have been polished off with a grinding wheel, no such boundaries are discernible and the entire back has the appearance of a single piece.

I may stamp up the blade and socket portions with extensions such that can be brought together without interposition of the filler-plate. I may also shape the socket extension from the blade with a forwardly directed crease, and close this with a filler plate inserted at the front face of the shovel, but ordinarily in manufacturing, it is more feasible to make up the article from the blade and socket stamping and the filler plate as set forth.

Other modes of applying the principle of my invention may be employed instead of the one explained, change being made as regards the features herein disclosed, provided the means stated by any of the following claims or the equivalent of such stated means be employed.

I therefore particularly point out and distinctly claim as my invention:—

1. A shovel having a blade, and a socket presenting no seam and integral therewith, the back of the socket merging with direct surface into the back of the blade.

2. A shovel having a blade, and socket presenting no seam and integral therewith, the back of the socket merging with direct surface into the back of the blade and the front of the socket merging with direct surface into the front of the blade and having surfaces smooth throughout.

Signed by me this 23rd day of July, 1926.

JAMES M. DENNING.