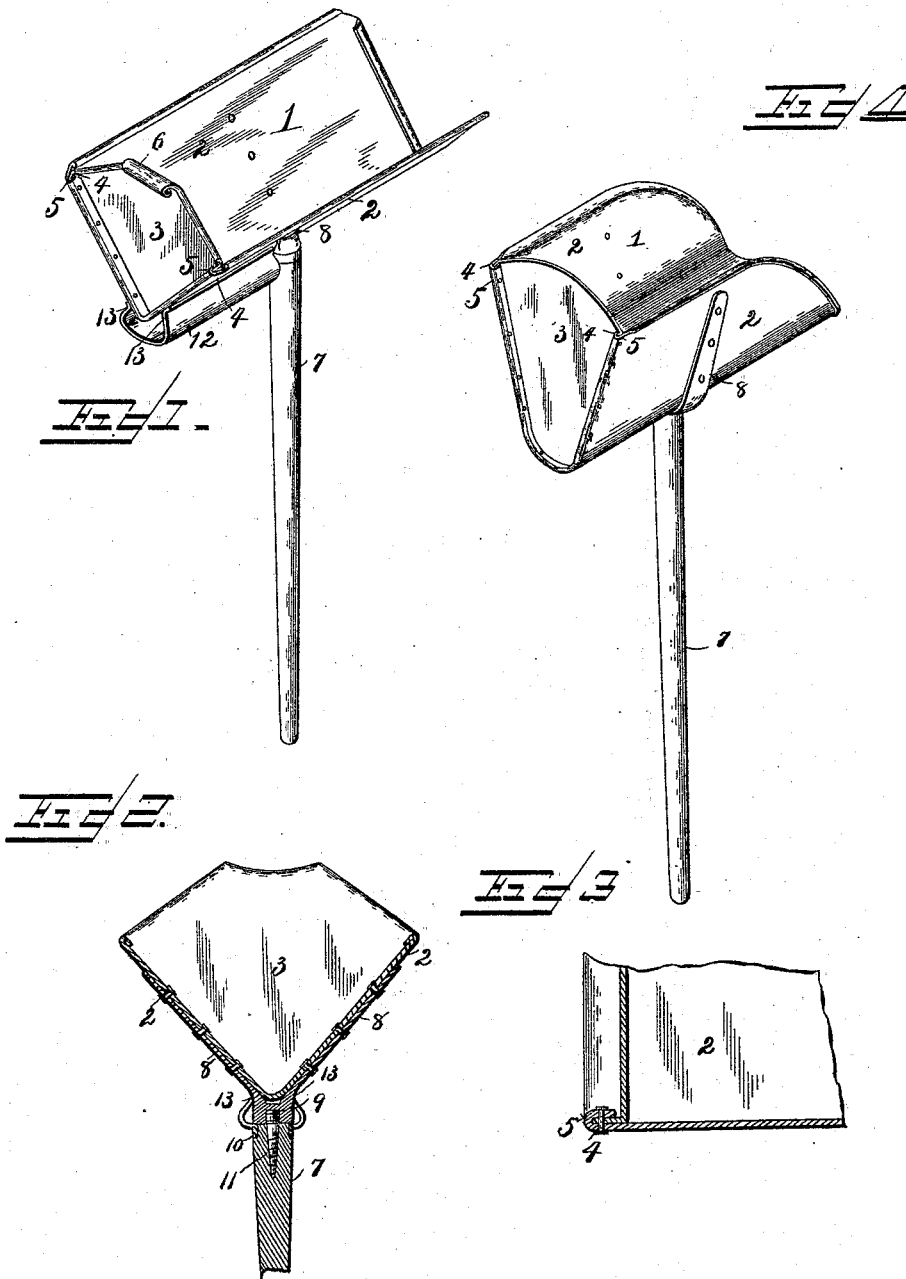


(No Model.)

A. G. BRANDT & F. M. SPENCER.
HOD.

No. 524,799.

Patented Aug. 21, 1894.



Witnesses

W. E. Schneider.

W. E. Riley

By their Attorneys,

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UNITED STATES PATENT OFFICE.

ANDREW G. BRANDT AND FRANK M. SPENCER, OF SCRANTON,
PENNSYLVANIA.

HOD.

SPECIFICATION forming part of Letters Patent No. 524,799, dated August 21, 1894.

Application filed August 31, 1892. Serial No. 444,668. (No model.)

To all whom it may concern:

Be it known that we, ANDREW G. BRANDT and FRANK M. SPENCER, citizens of the United States, residing at Scranton, in the county of Lackawanna and State of Pennsylvania, have invented a new and useful Hod, of which the following is a specification.

The invention relates to improvements in hods.

The object of the present invention is to improve the construction of hods, to increase their strength and durability, and to enable them to be nested for shipping.

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 hod embodying the invention. Fig. 2 is a transverse sectional view. Fig. 3 is a detail sectional view showing the construction of the seam. Fig. 4 is a perspective view showing a modification of the invention, when used as a hod for mortar.

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

1 designates a hod body constructed of sheet steel and consisting of integral oppositely inclined sides 2 and a rectangular back 3 which has its lower edges 4 bent outward and engaging the rear edges 5 of the sides which are bent on themselves to form a seam. The interlocking edges 4 and 5 form an outwardly extending seam and are riveted, and the pressure exerted on the back 3 by the contents of the hod serves to force the interlocking edges into closer engagement, and does not tend to separate them; and these edges may be brazed if desired or similarly secured in addition to riveting. The front and top edges of the oppositely inclined sides are bent on themselves or hemmed to stiffen the body and to avoid any sharp edges. The top 6 of the back is bent outward to form a hand hold, and this bend is a partial roll to form a smooth surface for the hand.

It is to be noted that the outward bend of the edges 4 of the back 3, provides such back

with a right angularly disposed peripheral flange that fits under the inwardly bent rear edges 5 of the sides 2, so as to form therewith a seam that projects rearwardly from the rear or back end of the hod in longitudinal alignment with the sides thereof, so as to form a seam that not only securely connects the back with the sides or body of the hod but also forms a rest flange for the hod while being filled, so as to take the wear off of the back of the hod and thereby increase the durability thereof and to cause it to retain the original shape.

The hod body 1 is detachably secured to a handle 7 by a fork 8 having divergent arms secured to the outer faces of the sides 2, and provided at the crotch or apex with a threaded socket 9 to receive a threaded stem 10 of a wood screw 11 which is screwed into the handle 7. This construction detachably secures the handle to the body and in shipping and storing the threaded end of the screw may be unscrewed from the threaded socket to enable the handles to be bunched, and the hod bodies to be nested.

The hod is provided beneath the body at the rear end thereof with a sheet metal shoulder cushion 12 which is approximately U-shaped in cross-section and is provided at its longitudinal edges with inclined flanges 13 secured to the outer faces of the inclined sides of the hod body.

The shoulder cushion 12 extends beneath the bottom angle of the hod body and terminates a short distance from the rear end; it has a curved bottom to bear against the shoulder of the carrier; and it forms a yielding support without possessing too great an amount of spring, which would render the hod unsteady and unsafe in the hands of a carrier, especially in ascending a ladder with a load. The longitudinal flanges, which are rigidly secured to the sides of the hod body prevent the cushion from being bent laterally out of shape, as it might be were it not supported at both sides throughout its entire length.

The handle may be removed without detaching the fork which is permanently secured to the hod body. Heretofore handles have been in a measure detachable; but they

served as means for clamping the forks to the hod bodies, and could not be detached without separating the forks from the bodies and disorganizing the hods, which is disadvantageous as the parts are liable to become lost; besides considerable trouble is experienced in assembling the parts of the hod.

It will be seen that the hod is simple and inexpensive in construction, strong and durable, and that hods constructed in accordance with this invention may be compactly stored and shipped.

In Fig. 4 is illustrated a modification of the invention, in which the hod body is constructed especially for mortar. The longitudinal edges of the sides are bent outward to strengthen the hod and to prevent mortar being cut off from the mass and falling upon the carrier.

What we claim is—

1. The herein-described hod comprising a body consisting of integral oppositely inclined sheet metal sides having their rear edges bent inwardly upon themselves within the body formed thereby, a permanent back provided with a peripheral right angularly disposed flange adapted to take under the inwardly bent rear edges of the sides to interlock there-

with and form an outwardly projecting seam extended beyond the plane of the back and disposed in longitudinal alignment with the sides of the body to form a projecting rest flange, and rivets passing through the seam formed by the interlocking flanges, substantially as set forth.

2. In a hod, the combination of the sheet metal body, a fork having divergent arms permanently secured to the outer faces of said body and provided at its apex with an integral threaded socket, a detachable handle, and a screw permanently fitted in said handle and provided with a threaded stem adapted to detachably engage said threaded socket to separably connect the handle with said fork to provide for a disconnection of the handle from the hod body without any disorganization of parts, substantially as set forth.

In testimony that we claim the foregoing as our own we have hereto affixed our signatures in the presence of two witnesses.

ANDREW G. BRANDT.
FRANK M. SPENCER.

Witnesses:

MARY L. NELAND,
HORACE E. HAND.