

D. NOLAN.
HODS.

No. 172,888.

Patented Feb. 1, 1876.

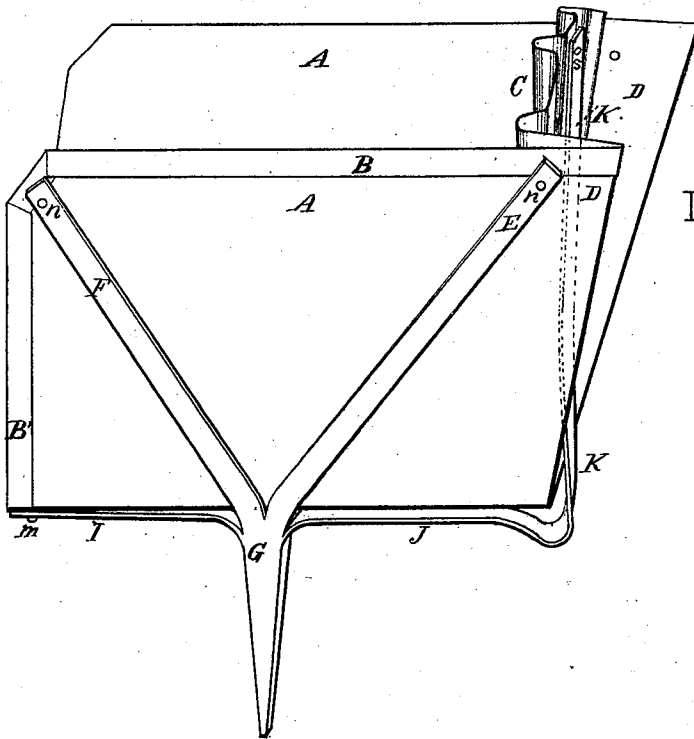
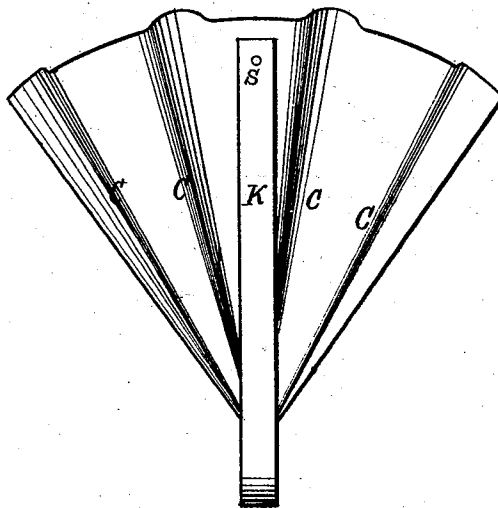


FIG. 1.

FIG. 2.



Witnesses:

O. A. Adix.
Jno. W. Hawley.

Inventor

David Nolan
By G. L. Chapin,
Atty.

UNITED STATES PATENT OFFICE

DAVID NOLAN, OF CHICAGO, ILLINOIS.

IMPROVEMENT IN HODS.

Specification forming part of Letters Patent No. 172,888, dated February 1, 1876; application filed July 19, 1875.

To all whom it may concern:

Be it known that I, DAVID NOLAN, of Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Hods, of which the following is a specification:

The nature of the present invention consists in a hod formed by crimping the rear end of the metal for the convenience of manufacture, and for giving the hod strength at that part, and in strengthening a hod thus made by suitable braces, and providing it with a handle attachment, as hereinafter described and shown.

In the drawings, Figure 1 is a perspective representation of my improved hod; Fig. 2, a rear end view thereof.

In making my improved hod I cut from good charcoal sheet-iron a piece in the proportion of thirty-two by twenty-four inches, using the narrow width for the height of the sides. The piece so cut is then placed in forming-dies, and an end, C, of the sheet is crimped inward, and, by three or more folds, is brought to, or nearly to, a vertical position, and the sides A A are bent on an angle of about sixty degrees. The surplus metal is then cut from the gathered part C, so as to leave it crowning, as shown.

In practice, however, the end C can be rounded the proper form before the crimping process.

The edges B B are made double from the same sheet, as are also the corners D D. The handle attachment consists in braces F E, on each side of the hod, fastened by rivets *n*, and made to terminate in a shank, G, for fastening to an ordinary handle. A shoulder-piece and brace, J K, is welded to the shank G, and extends into the end C, and is fastened by a rivet, S. For some hods it is desirable to brace them in front of the shank G by an iron, I, welded to the shank and riveted to the body of the hod at *m* for machine use.

A hod thus made is water-tight, and is lighter than the ordinary wooden hod, and if it should meet with an accident it is bent but not broken, and there is no difficulty in discharging mortar from it.

I claim and desire to secure by Letters Patent—

1. A hod formed by crimping the metal at its rear or closed end, as and for the purpose set forth.
2. A hod made of a single sheet of metal, combined with a rear brace and shoulder-support, J K, as and for the purpose specified.

DAVID NOLAN.

Witnesses:

O. H. ADIX,
G. L. CHAPIN.