

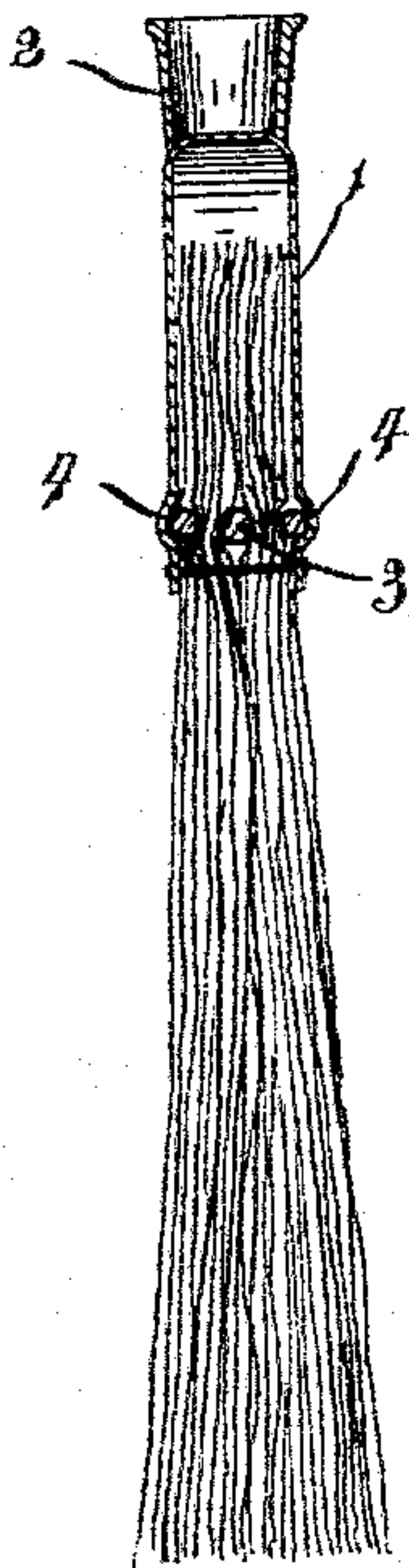
(No Model.)

L. C. RICHARDSON.  
BROOM.

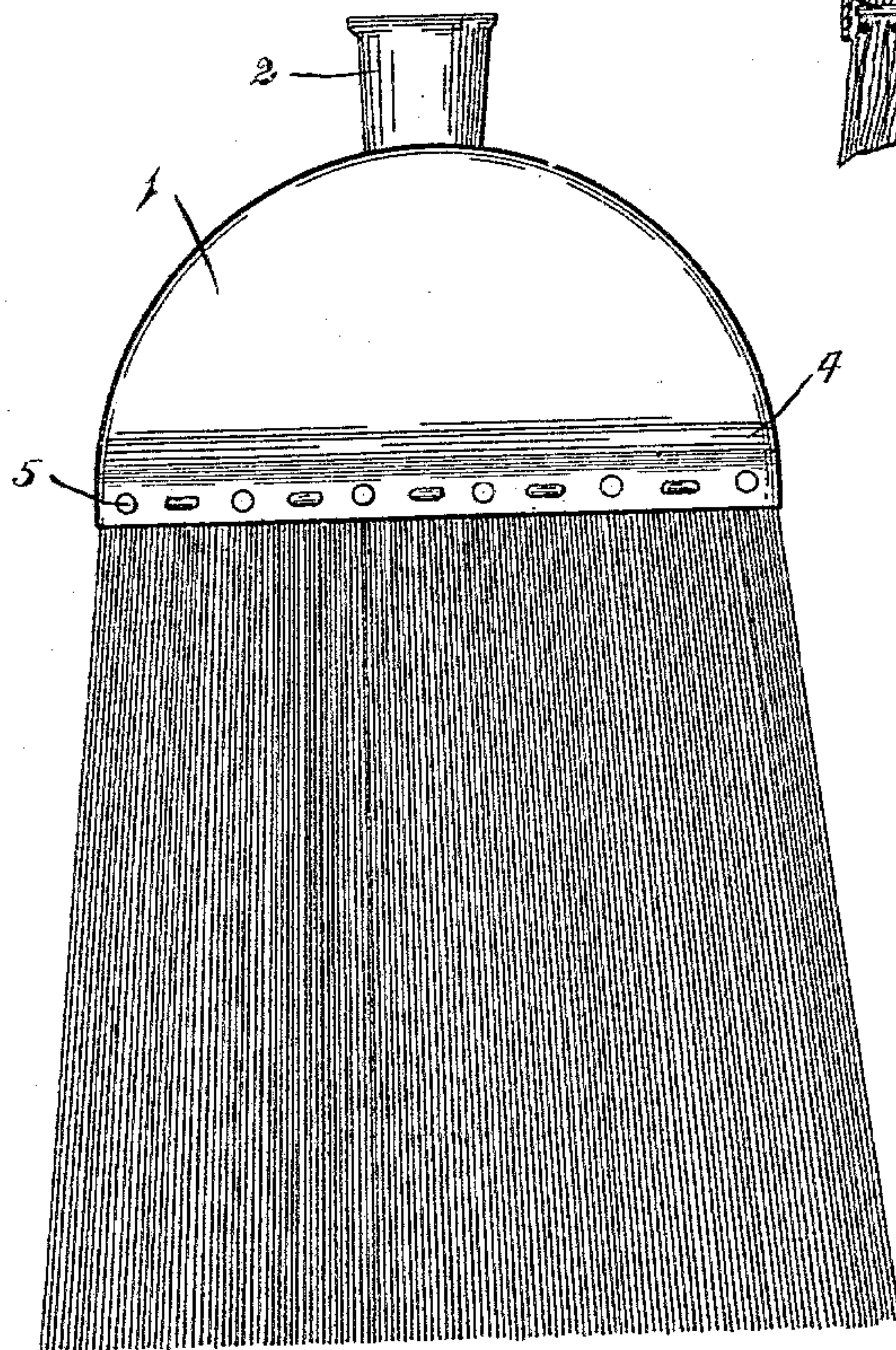
No. 559,607.

Patented May 5, 1896.

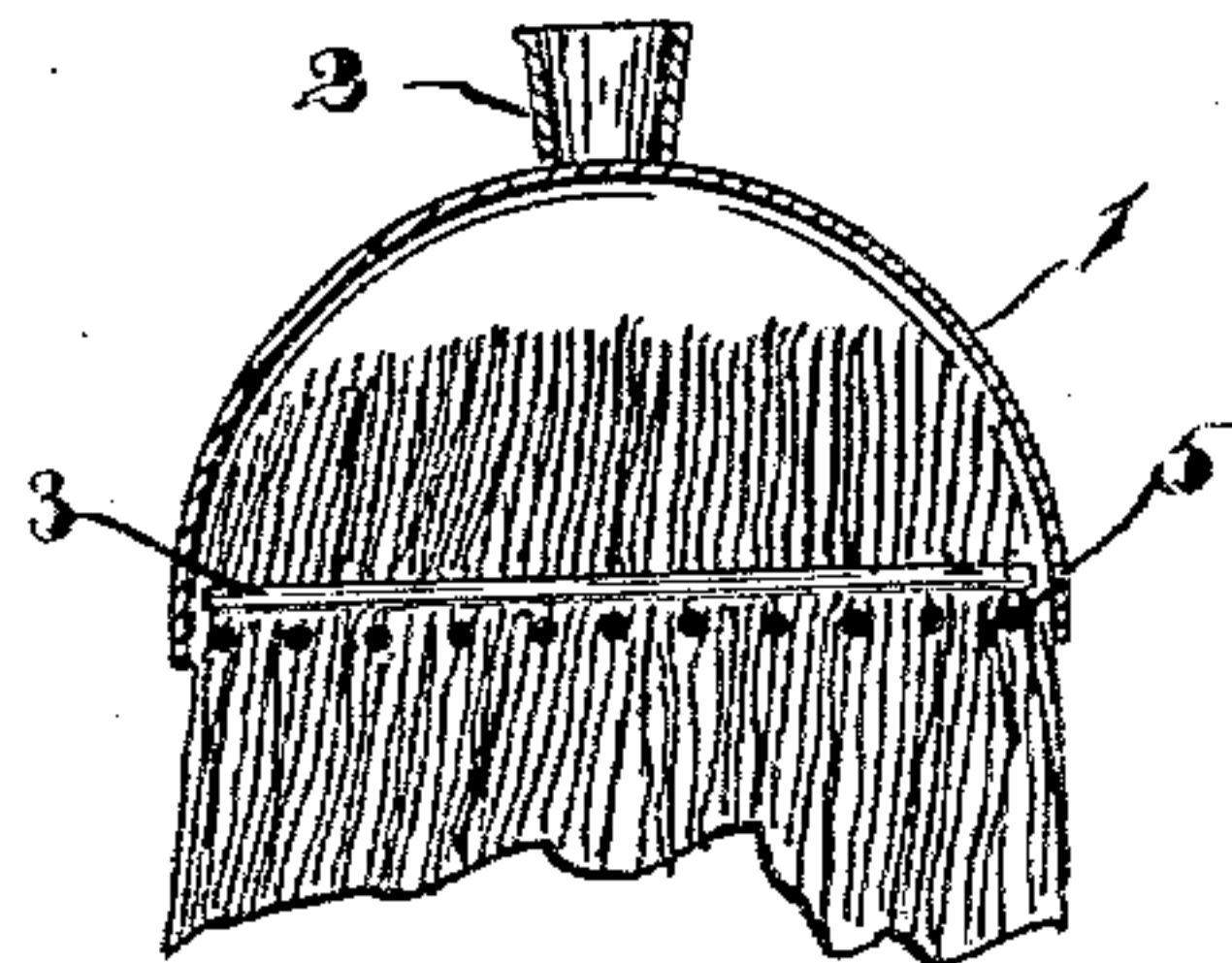
*Fig. 2.*



*Fig. 1.*



*Fig. 3.*



Witnesses

Geo. C. Corner.  
A. S. Courtright.

Inventor

Lewis C. Richardson

By Attorney W. H. Lockwood



# UNITED STATES PATENT OFFICE.

LEWIS C. RICHARDSON, OF INDIANAPOLIS, INDIANA, ASSIGNOR TO HARRIET E. CHIESEBROUGH AND CHARLOTTE MATILDA HECK, OF SAME PLACE.

## BROOM.

SPECIFICATION forming part of Letters Patent No. 559,607, dated May 5, 1896.

Application filed April 19, 1895. Serial No. 546,441. (No model.)

*To all whom it may concern:*

Be it known that I, LEWIS C. RICHARDSON, of Indianapolis, county of Marion, and State of Indiana, have invented certain new and useful Improvements in Brooms; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, in which like numerals refer to like parts.

My invention relates to a broom; and it has for its object the construction of a broom in an economical manner, which at the same time will be unusually durable.

The nature of my invention will appear from the accompanying drawings and the description and claims following.

Figure 1 is a plan view of my broom with the handle removed. Fig. 2 is a central section through the broom; and Fig. 3 is a central section across the broom, the lower part being broken away.

In the first place I provide a hood 1, made preferably of tin-plate, to which I secure a handle-socket 2. I then take the broom-corn and insert the butt-ends thereof into the hood without bending the ends until the hood is filled. After this I take the pins, sticks, or skewers 3 and insert them crosswise in the broom-corn just within the mouth of the hood, one being located centrally and one on each side of the broom-corn. The pins need not extend entirely to the edges of the hood, but should approach them rather closely. I then place the broom thus formed in a press that is provided with grooves adapted to form the crimps 4 in the hood that furnish a seat for the two outside pins. It will be observed that within the hood the broom-corn between the pins is not only compressed, but is slightly curved or kinked, and while in the press in this condition I nail the two edges of the hood together by the nails 5, which pass through the broom-corn. These nails are preferably wire nails, and I insert them half from one side and half from the other and bend the ends so that they turn back through the hood

and extend slightly into the broom-corn, making a broom which appears like that shown in Fig. 1.

From this description of my operation and broom it is apparent that it is extremely simple and yet extremely durable. By inserting the pins 3, as shown, I can more securely hold the broom-corn within the hood. I avoid the necessity of bending the butt-ends of the broom-corn backward to prevent their removal or of cementing them therein by adding the crimps 4 with the outside pins in them, so that the broom-corn is not only clamped between the pins, but is also curved somewhat at the point of compression, whereby the broom-corn is securely held in place. It cannot be drawn out or dislocated by a pull, as it is impossible for the broom-corn in its crimped compressed position in the hood to be moved. The nails 5 securely hold the edges of the hood together in the position they are in while in the press. Instead of using a press to form the crimps 4 after the broom-corn is introduced I can otherwise form them prior to the insertion of the broom in the press, or can form the crimp in the hood and without using the press compress the edges of the hood by means of the nails 5; but this latter method is not the better.

What I claim as my invention, and desire to secure by Letters Patent, is—

A broom comprising a hood substantially as shown with a crimp in each side of it near its edge, broom-corn inserted in the hood, a pin seated in the crimp on each side of the broom-corn and another pin inserted centrally within the broom-corn between such outside pins, and means for holding the hood in position after the broom has been compressed, substantially as set forth.

In witness whereof I have hereunto set my hand this 14th day of February, 1895.

LEWIS C. RICHARDSON.

Witnesses:

V. H. LOCKWOOD,  
L. A. MONROE.