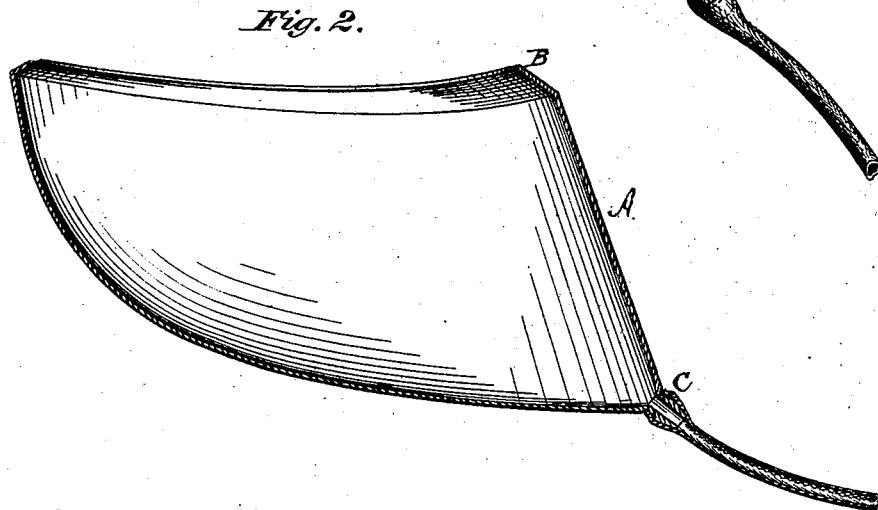
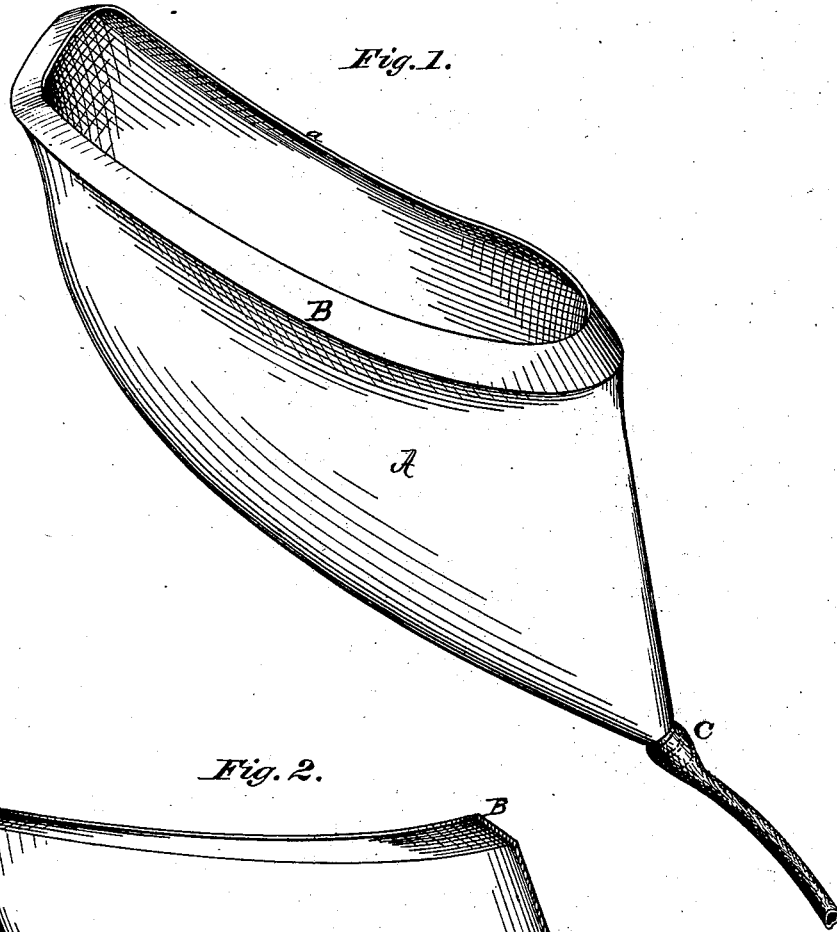


R. H. OLMSTEAD.  
URINALS FOR INVALIDS.

No. 190,244.

Patented May 1, 1877.



Witnesses:  
*L. K. Eraws*  
*W. H. Moxon*

Inventor:  
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*by his atty.*  
*A. H. Eraws 16.*

# UNITED STATES PATENT OFFICE.

RICHARD H. OLMSTEAD, OF NAPA CITY, CALIFORNIA.

## IMPROVEMENT IN URINALS FOR INVALIDS.

Specification forming part of Letters Patent No. **190,244**, dated May 1, 1877; application filed October 21, 1876.

*To all whom it may concern:*

Be it known that I, RICHARD H. OLMSTEAD, of Napa City, California, have invented a new and useful Improvement in Urinals, of which the following is a clear, full, and exact description, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a perspective view of a urinal with my improvement attached. Fig. 2 is a section of the same.

My invention relates more especially to urinals to be used by females who are invalids and confined to their beds; and it consists in constructing the urinals with an inwardly-inclined flange to prevent leakage, as hereinafter described and claimed.

To enable others skilled in the art to make and use my invention, I will proceed to describe the exact manner in which I have carried it out.

The difficulty experienced in using urinals in cases of sick females confined to their beds is well known to the profession, a difficulty which does not exist in the use of urinals as a matter of simple convenience by persons traveling. But urinals adapted to be used by the traveling public are liable to leak when used by invalid females in bed, and the object of my present invention is to overcome this difficulty.

In the drawings, A represents a hard-rubber or rigid elongated urinal constructed with the inwardly-inclined flange B. This flange extends inwardly about half an inch, more or less, and serves to conduct the urine from the person toward the discharge-opening C. This has been fully tested, and an invalid lying in bed in any position can use a urinal thus constructed with comfort and with entire safety. The inner edge *a* of the flange is made clean and smooth to fit closely against the person.

I am aware that urinals have been made with flaring mouths having outwardly-inclined flanges, and also with cords or rolls around the flaring mouth; but I do not claim these as my invention.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

A hard-rubber or rigid elongated urinal of the shape shown, provided with the inwardly-inclined flange B and discharge-opening C, substantially as and for the purpose above described.

RICHARD H. OLMSTEAD.

Witnesses:

GEO. H. EVANS,  
WILLIS HERNDON MOXON.