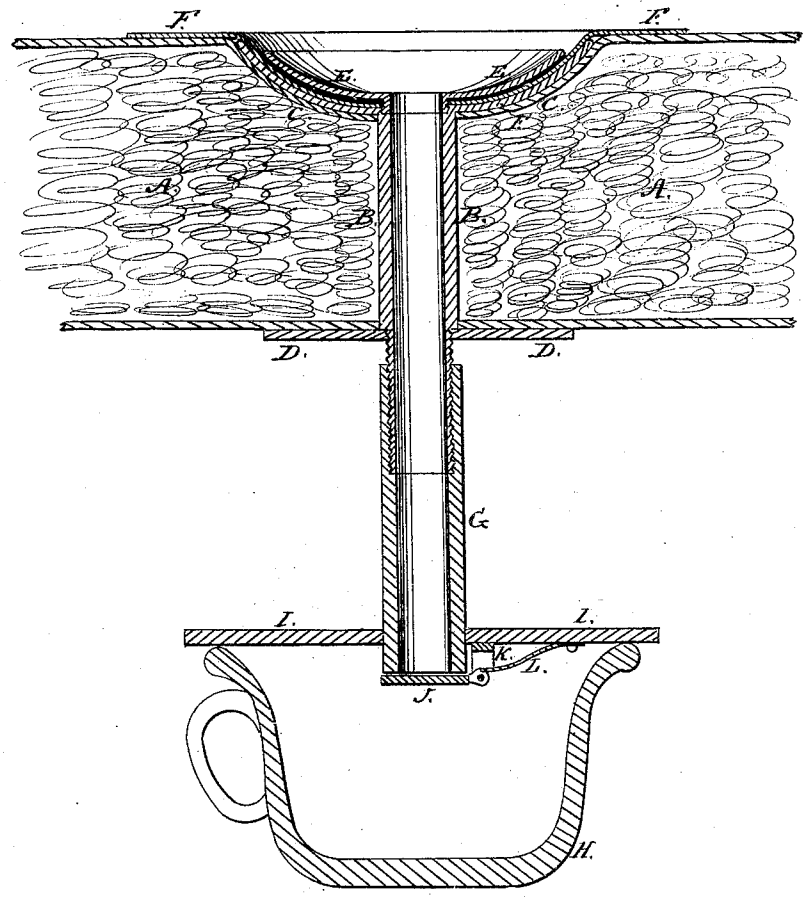
H. Cordes,

Invalid Bedstead,

No. 56,376. Patented July 17, 1866.



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UNITED STATES PATENT OFFICE.

HENRY CORDES, OF BELLEVILLE, NEW JERSEY.

IMPROVEMENT IN INVALID-BEDSTEAD.

Specification forming part of Letters Patent No. **56,376**, dated July 17, 1866.

To all whom it may concern:

Be it known that I, HENRY CORDES, of Belleville, in the county of Essex and State of New Jersey, have invented a new and useful Improvement in Invalid-Beds; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing, forming part of this specification.

The drawing is a vertical section of my improvement, showing it in connection with the bed or mattress to which it is attached.

My invention has for its object the furnishing an improved bed for hospitals, &c., for use when the invalid is too feeble to be moved without endangering his life, in order to preserve the bed from becoming wet or defiled; and it consists of a series of pipes, plane and concave plates, and a valve, combined with each other and with a bed or mattress, as hereinafter more fully described.

A is a bed or mattress, through which, in the proper place, is made a hole for the passage of a pipe, B. To the upper end of this pipe is secured a plate, C, concave on its upper and convex on its lower side, as shown. Upon the lower end of the pipe B is cut a screw-thread.

D is a circular plate within the hole, through the center of which is cut a screw-thread corresponding with the thread upon the lower end of the pipe B. This plate is screwed up upon the pipe B so tightly as to sink the plate C into the upper part of the bed or mattress so far that it will not interfere with the comfort of the person lying upon the bed.

E is a curved plate, the convex side of which corresponds with the concavity of the plate C. To the hole through this plate is attached a short pipe or flange having a screw-thread cut upon its outside and fitting into a thread cut within the upper end of the pipe B, as shown.

Between the plates C and E is placed a sheet of rubber cloth, F, or other material impervious to moisture, having a hole through its center, through which the upper end of the pipe B may pass. This sheet F may be of such a size as to cover so much of the bed or mattress as may be necessary to preserve it from becoming wet or defiled.

The sheet F is clamped between the plates C and E by screwing down the plate E upon the sheet F, and the plate C by means of the screw-thread cut upon the flange or short pipe attached to the plate E and fitting into the screw-thread cut within the upper end of the pipe B, as before described.

G is a pipe having a screw-thread cut within its upper end, fitting upon the thread cut upon the lower end of the pipe B, so that the height of the lower end of the pipe G from the floor may be regulated according to the height of the bedstead, or of the reservoir H placed beneath the lower end of said pipe G.

I is a plate attached to the lower end of the pipe G, and of such a size as to cover the reservoir H and prevent the escape of unpleasant and offensive odors into the room.

J is a valve pivoted to a projection, K, on the lower side of the plate I, as shown. The valve J is kept closed by the action of the spring L, which is only stiff enough to hold the valve alone, so that if anything falls upon the valve the said valve will open, and it will pass through into the reservoir H.

The valve J is designed to prevent unpleasant odors from passing up from the reservoir H through the pipes G and B to the bed.

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

An improved invalid-bed formed by combining the pipes B and G, the plates E, C, D, and I, the sheet F, valve J, and spring L with each other and with the bed or mattress, substantially as described, and for the purpose set forth.

The above specification of my invention signed by me this 8th day of December, 1865.

HENRY CORDES.

Witnesses:

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