

L. C. HUFF.

Protecting Masks for Bee-Keepers.

No. 140,417.

Patented July 1, 1873.

Fig. 1.

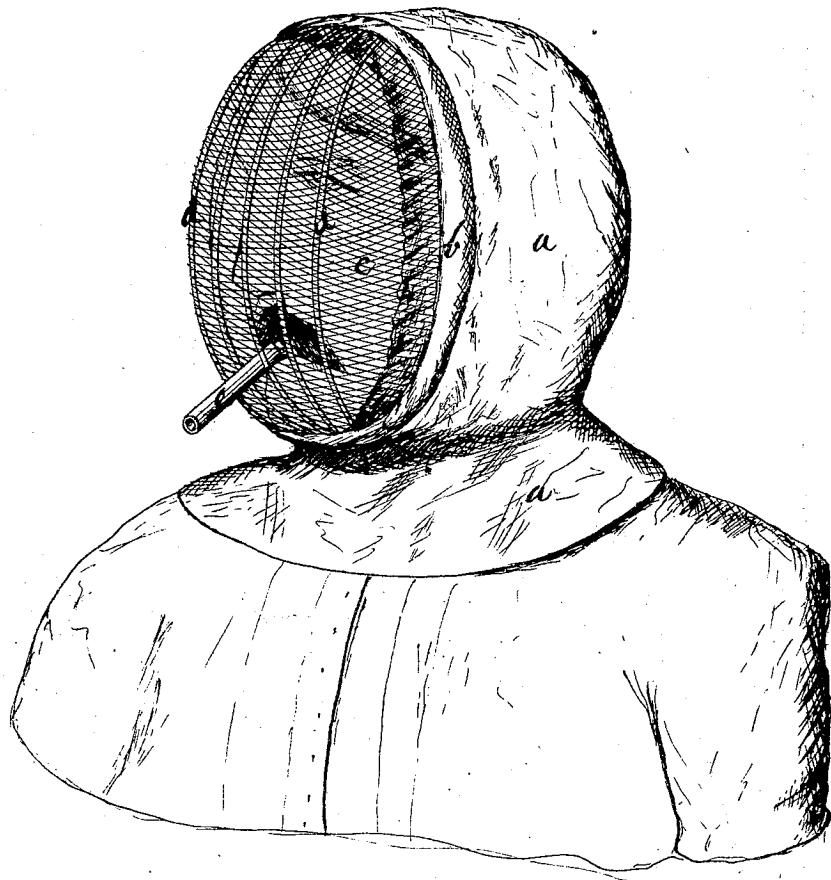
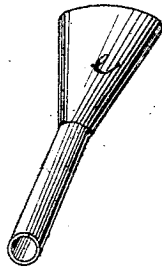


Fig. 2.



Attest.
Ambrose Smith
Robert Everett.

Inventor.
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by Atty Tho. D. Everett

UNITED STATES PATENT OFFICE.

LOUISA C. HUFF, OF LOUINA, ALABAMA, ASSIGNOR OF ONE-HALF HER
RIGHT TO JAMES J. HUFF.

IMPROVEMENT IN PROTECTING-MASKS FOR BEE-KEEPERS.

Specification forming part of Letters Patent No. **140,417**, dated July 1, 1873; application filed
March 22, 1873.

To all whom it may concern:

Be it known that I, LOUISA C. HUFF, of Louina, in the county of Randolph and State of Alabama, have invented a certain Improvement on Honey-Bee Screens, of which the following is a specification:

This invention has for its object protecting the head, face, and neck of the wearer of it from the sting of the honey-bee, and is particularly useful in hiving the bees when they are swarming or when one is obliged to disturb them, as in case of taking part of the honey from the hive. It may also be used to protect the face and other parts covered by it from mosquitoes and other noxious insects.

Figure 1 of the drawing shows this screen applied, Fig. 2 being a view of the expectorating-tube detached.

The main part of this screen *a*—that which covers the upper and back of the head and the neck—it is preferable to make of worsted or woolen, woven or knit, as by its weight it will, more closely than a lighter material, fit to the surfaces to be protected. The part *a* can be slitted or open-backed for the convenience of

putting on and taking off, and the edges of the slit held to each other when on by hooks and eyes or buttons. The front of this part *a*, which encircles the sides of the face, has an elastic band, *b*, which facilitates the adapting of the screen and keeps this part closer to the surface than a rigid band would. The front or face part *c* is made of gauze or webbing attached to the band and kept off from the face by wires *d* affixed at each end to the band. An expectorating-tube, *e*, passes through the gauze in the line of the mouth and properly fastened to the gauze. This device is more for the convenience of tobacco-chewers than others.

What I claim is—

A honey-bee screen made up of the parts *a*, *b*, *c*, *d*, and *e*, as herein recited.

This specification signed this the 1st day of February, 1873.

LOUISA C. HUFF.

Attest:

D. H. NICHOLS,
ANDREW T. MILES.