

H. B. MITCHELL.

Umbrella.

No. 162,570.

Patented April 27, 1875.

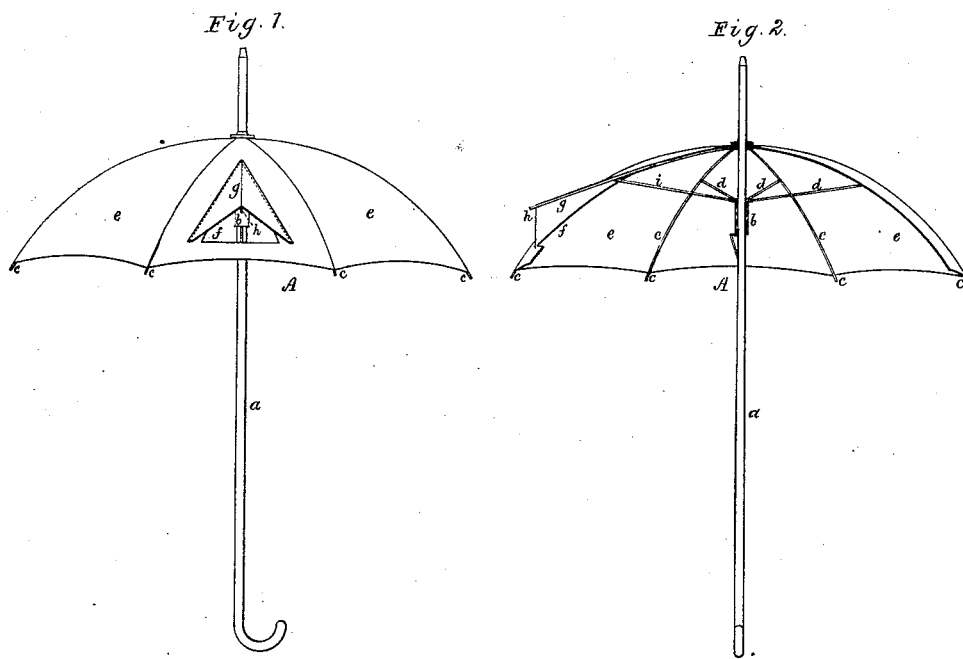
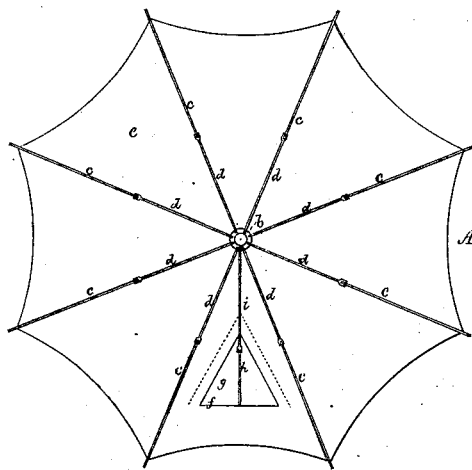


Fig. 3.



Witnesses

J. M. Snow

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UNITED STATES PATENT OFFICE.

HOSEA B. MITCHELL, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN UMBRELLAS.

Specification forming part of Letters Patent No. **162,570**, dated April 27, 1875; application filed November 13, 1874.

To all whom it may concern:

Be it known that I, HOSEA B. MITCHELL, of Boston, of the county of Suffolk and State of Massachusetts, have invented a new and useful Improvement in Umbrellas or Parasols; and do hereby declare the same to be fully described in the following specification and represented in the accompanying drawings, of which—

Figure 1 denotes a front elevation, Fig. 2 a vertical section, and Fig. 3 an under-side view, of one of my improved umbrellas, which, to distinguish it from others in use, I term the "lookout-umbrella," it being provided with one or more lookouts or holes, and a hood or rain-guard to each of them, all being arranged as hereinafter set forth.

In the drawings, A denotes an umbrella, of which *a* is the stick; *b*, the runner; *c c*, &c., the ribs; *d d*, &c., the rib-braces, and *e* the cloth covering, all made and arranged and combined in the usual way.

In carrying out my invention I make in the covering one or more holes, *f*, of sufficient size or form for a person, while holding the umbrella over his head, and inclined downward before him, as he usually carries it in stormy weather, to see through, in order to see persons or objects in advance of him; and to the said covering, and over each of said holes, I apply or fix a cloth or flexible roof or hood, *g*, inclined so as to shed rain or snow, and prevent it from passing into the lookout hole or opening.

Extending through the middle of the hood is an expander or hood-supporter, consisting of an auxiliary or short elastic rib, *h*, pivoted at its inner end to the stick, and provided, like the other ribs, with a brace, *i*, which is hinged to it and to the runner. The auxiliary rib or expander goes through the lookout-hole at its top and along the middle of the hood, and is fastened to the hood at its outer edge. The peep-hole *f*, as well as its hood *g*, I usually form triangular in shape, or approximately so,

although I do not confine my invention to such a form.

In the act of opening the umbrella the expander will throw up and brace the hood, which, along its two upper edges, is to be fastened to the covering. The lower edge of the hood, when the umbrella is open, will be stretched out at an acute angle, as shown in Fig. 1.

In closing the umbrella the hood will fold within the covering, which, on being lapped over the hood, will effectually conceal it from sight and protect it from injury.

It is well known that persons, while using an umbrella and holding it inclined before them, are more or less prevented from seeing others or objects approaching, or toward which they may be moving, accidents frequently taking place by reason thereof.

With one of my improved umbrellas or parasols not only can a person see things or persons in advance by looking through the hole, but by the hood he will be protected from rain getting through the hole and upon him.

An umbrella may have one or more such holes with each provided with a guard or hood, and its expander furnished with a brace, as set forth.

I claim as my invention—

1. An umbrella or a parasol, A, provided with one or more lookout openings or holes, *f*, and with a folding hood, *g*, to each, all being arranged substantially as and for the purpose as specified.

2. The combination of the hood-expander *h* and its brace *i* with the umbrella or parasol A, provided with the lookout-opening *f* and its hood *g*, all being arranged and applied substantially in manner and to operate as set forth.

HOSEA B. MITCHELL.

Witnesses:

R. H. EDDY,
J. R. SNOW.