

H. Hotchkiss.
Umbrella.

No. 50587.

Patented. Oct. 24. 1865.

Fig. 1.

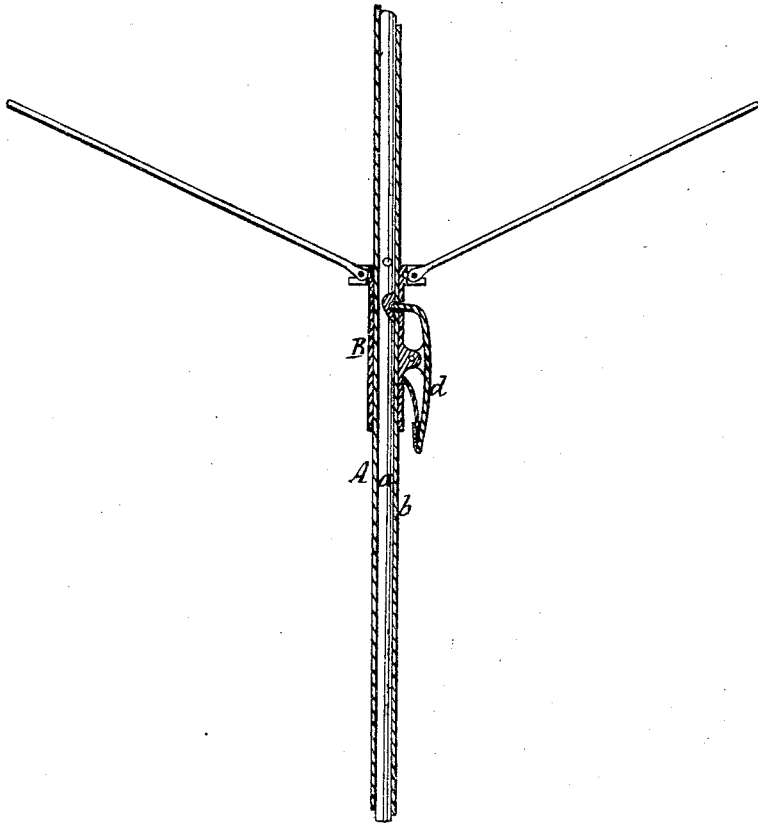
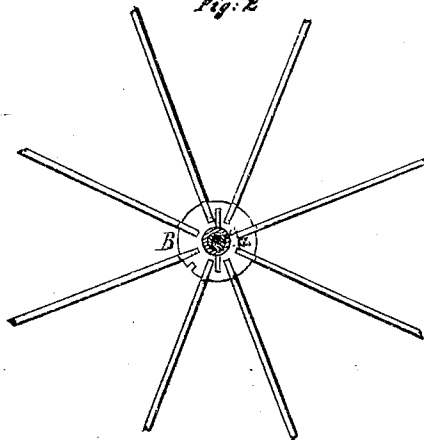


Fig. 2.



Witnesses.
E. L. Tappan
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By Munn & Co

UNITED STATES PATENT OFFICE.

HORACE HOTCHKISS, OF PLAINFIELD, NEW JERSEY.

IMPROVEMENT IN UMBRELLAS.

Specification forming part of Letters Patent No. 50,587, dated October 24, 1865.

To all whom it may concern:

Be it known that I, HORACE HOTCHKISS, of Plainfield, in the county of Union and State of New Jersey, have invented a new and useful Improvement in Umbrellas and Parasols; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a longitudinal section of this invention. Fig. 2 is a plan or top view of the same.

Similar letters of reference indicate corresponding parts.

This invention consists in the employment or use of a stick of wood or other elastic substance covered with sheet metal, such as iron, brass, or zinc, in place of the ordinary metallic tube generally used for umbrella and parasol handles, with metallic and other frames in such a manner that the operation of brazing the metal tube can be dispensed with and a stronger, lighter, and better handle is produced at less cost than the ordinary metallic handles.

The invention consists, also, in the application to the runner of a spring-catch, the point of which drops into a small hole when the runner has reached the desired position, in such a manner that no long slot is required in the handle for the purpose of holding the spring generally used for stopping the runner, and consequently the full strength of the handle is preserved.

A represents the handle of an umbrella or parasol, made of a stick, *a*, of wood or other suitable elastic material, which is covered with sheet metal, *b*, such as iron, brass, or zinc.

In practice the sheet metal is rolled round the stick *a*, and when once applied it requires no brazing, an operation which weakens the ordinary metallic handles, on account of the

great heat requisite; and, furthermore, I am enabled to use lighter material, because the metal in my handle is not to be heated after it has been rolled on the stick, and consequently its full strength is preserved.

My handle is also capable of a higher and more uniform finish, avoiding the unequal surface caused by the solder flowing over the tube in brazing, whereby the japan in the finished tube is caused to wear off on such spots where the smooth surface of the brass covers the surface of the iron.

My handle requires no grinding. After the metal has been rolled on it is fit for japanning, and the varnish adheres to it uniformly throughout, and is not liable to scale off.

B is the runner, which I use in preference to the ordinary runner. The ordinary tubular handle has two slots sawed in it to receive the spring-catch which holds the runner in the requisite positions. These slots mar the beauty of the handle and weaken the same, and in order to avoid these difficulties I attach a spring-catch, *d*, on the runner, and the point of this spring-catch is made to drop into small holes *e* in the handle. By these means the umbrella or parasol is more easily and expeditiously opened, and the full strength of the handle is preserved.

My invention has no relation to the use of ferrules to fortify certain defined parts of wooden handles, nor to the use of pieces of wood inserted in the contiguous parts of sections of tubes to unite them together.

I claim as new and desire to secure by Letters Patent—

An umbrella or parasol handle of wood or other elastic material covered with metal, as described.

HORACE HOTCHKISS.

Witnesses:

W. HAUFF,
C. L. TOPLIFF.