

B. M. Smith,
Fan.

No. 51,228.

Patented Nov. 28, 1865.

Fig. 1

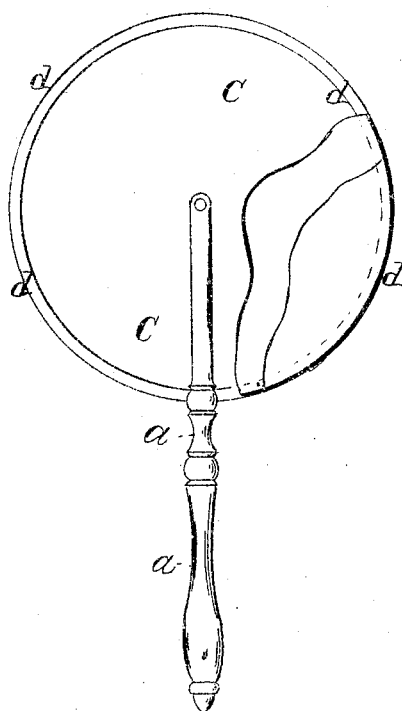
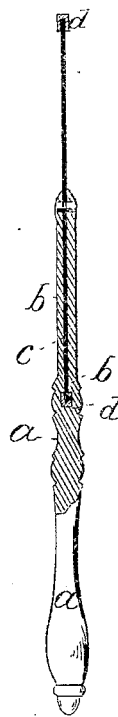


Fig. 2



Witnesses

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BENJAMIN M. SMITH, OF NEW YORK, N. Y.

IMPROVEMENT IN FANS.

Specification forming part of Letters Patent No. 51,228, dated November 28, 1865.

To all whom it may concern:

Be it known that I, BENJAMIN M. SMITH, of the city, county, and State of New York, have invented a new and useful Improvement in Fans; 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 the manufacture and use of fans for cooling and refreshing the air in warm weather by agitating the same, it has long been considered a great desideratum to give strength and rigidity to the same without increasing their weight, which would render them inconvenient and tiresome to use.

In the present invention I have succeeded in accomplishing the desired result, and in a novel and simple manner, the same consisting in forming the body of the fan of one or more thin sheets of any desired kind of wood, fastened together by glue, cement, or by any other proper means, and attached to a suitable handle or stick; also, in addition to the above, imparting stiffness and strength to any and all kinds of fans, whether made of paper, card, silk, wood, or any other material, by forming and placing upon and entirely around their outer edges or rims a proper shaped metallic band or bands, which are securely fastened thereto in any suitable manner.

Having thus in general terms stated the principal features of the present invention, I will now proceed to describe the same in detail, reference being had to the accompanying plate of drawings, of which—

Figure 1 is a front view of my improved fan made of two veneers; Fig 2, a central section through handle and body of a fan made of one sheet or veneer of wood.

a a in the accompanying drawings repre-

sent the handle of a fan, made of any desired shape and material, in the slot *b* of which, and fastened in any proper manner, is inserted the body *c* of the fan, made of a thin sheet of veneer, either rose-wood, mahogany, black walnut, or any other desired wood, and in any form—circular, polygonal, &c. Around the periphery of the fan *c* a metallic band, *d*, is placed by rivets or in any proper manner.

By thus constructing the body of the fan of a thin sheet of veneer, as described, not only is a light and convenient fan for handling secured, but also one which has more strength, rigidity, and stiffness than could be obtained by forming the same of any of the ordinary materials heretofore used, such as silk, cardboard, paper, &c. And it is evident that by binding the edge or edges of the fan with any proper shaped metallic band, as above described, still greater strength and stiffness is imparted to the same, and the cracking of its edges prevented, and that also any fan made of any of the ordinary materials heretofore used can be considerably strengthened by attaching the said band to the same.

In lieu of forming the body of the fan of only one thin sheet of veneer, as described, it can be formed of any desired number of veneers, which can be fastened together, surface to surface, by means of cement, glue, or any other suitable adhesive material; or the metallic band would be sufficient in many cases, especially where the fan is small in size.

I claim and desire to secure by Letters Patent as a new article of manufacture—

A fan constructed of veneer, strengthened with a rim of metal or other suitable material, substantially as herein described.

BENJAMIN M. SMITH.

Witnesses:

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