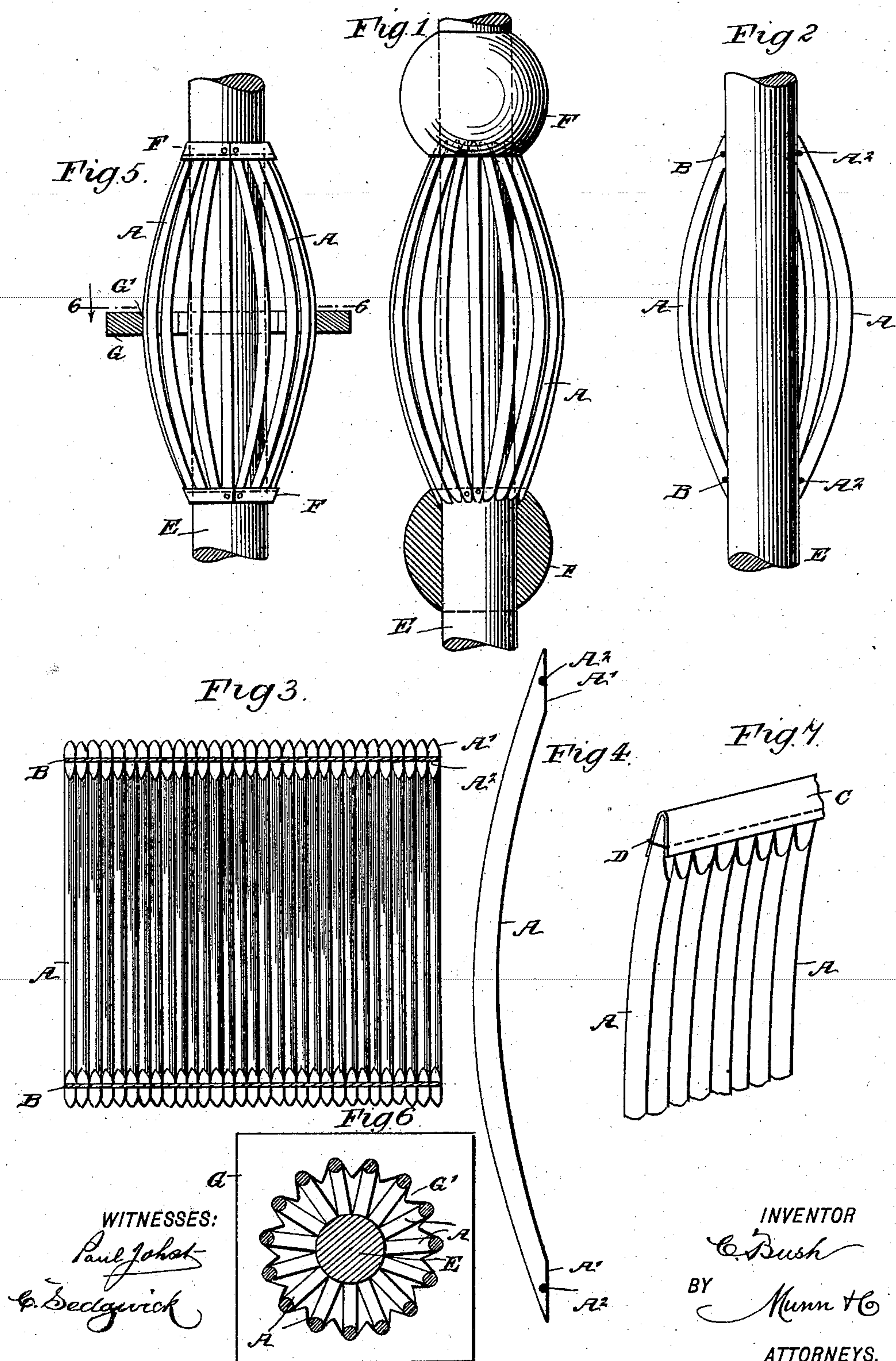


(No Model.)

C. BUSH.  
REED PUFF.

No. 503,827.

Patented Aug. 22, 1893.





# UNITED STATES PATENT OFFICE.

CHARLES BUSH, OF NEWBURG, NEW YORK.

## REED-PUFF.

SPECIFICATION forming part of Letters Patent No. 503,827, dated August 22, 1893.

Application filed March 17, 1893. Serial No. 466,516. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES BUSH, of Newburg, in the county of Orange and State of New York, have invented certain new and useful Improvements in the Manufacture of Reed-Puffs, of which the following is a full, clear, and exact description.

The invention relates to ornaments for decorating chairs and other articles, and its object is to provide certain new and useful improvements in the manufacture of reed puffs, whereby a strong and durable ornament is produced at a low cost and without the employment of skilled labor, and which puff is arranged for convenient application to the article to be decorated.

The invention consists in the method and article hereinafter described and claimed.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the views.

Figure 1 is a side elevation of the finished article as applied, with parts in section. Fig. 2 is a sectional side elevation of the same. Fig. 3 is a plan view of a sheet or band of reeds. Fig. 4 is an enlarged side elevation of the curved and beveled reeds. Fig. 5 is a side elevation of the article as applied and showing a device for uniformly spacing the reeds of the sheet. Fig. 6 is a sectional plan view of the same on the line 6-6 of Fig. 5; and Fig. 7 is a perspective view of a sheet of reeds of modified form.

In reed puffs as heretofore constructed, the single reeds are individually nailed to the rod or bar to be decorated, and this process required considerable time and skilled labor without producing uniform and ornamental work. With my improvements presently to be described, I am enabled to form a sheet of reeds of any desired length, from which the workmen can cut off a piece of the desired length for applying it on the bar or rod to be decorated, in a very simple and effective manner, and without nailing or otherwise fastening the individual reeds.

In preparing the puff, the reeds being cut approximately to the right length, I first bend the pieces of reed over a form of any desired length, having the same curve as I wish to

give the reed, and then, when the form is full and the reeds pressed close together side by side and held firmly in place by clamping bars arranged for the purpose, I next pass the form over a revolving cutter head on "crazy" saw and cut the bevel on the ends, the groove  $A^2$  for receiving the connecting cord being cut at the same time by a small circular saw mounted close to the cutter head. The cord is inserted by drawing an instrument loaded with prepared glue and a ball of cord, carefully along in the groove.

In using the cords B for flexibly connecting the beveled ends of the reeds, I prefer to glue or otherwise fasten the cords into recesses  $A^2$  formed on the bevels  $A'$  as plainly indicated in Fig. 4. As shown in Fig. 7, I may connect the beveled ends of the reeds by a band C of a suitable fabric glued in V-shape over the beveled ends and the outside of the reeds, the ends of the fabric being also united by stitches D passing through the reeds and between adjacent reeds so as to flexibly connect the reeds with each other. From the sheet of reeds thus prepared the workman cuts off the desired piece, and then curves it around the rod or bar E intended to carry the ornament. Bands, rings, or balls F, or other means are then employed to hold the sheet of reeds on the rod or bar E, as illustrated in Fig. 1, or the sheet may be attached by nails to the bar or rod, as indicated in Figs. 1 and 5.

In order to properly space the several reeds of the sheet, I employ a spacing plate G, formed with a star-shaped aperture  $G'$ , adapted to engage the several individual reeds as plainly indicated in Fig. 6, so that the reeds of the piece are equally spaced previous to fastening the beveled ends to the bar or rod E. It is understood that the bevels at the ends of each reed are in alignment with each other to properly fit onto the straight sides of the rod or bar on which the reeds are applied to form the puff.

It is understood that for certain thicknesses of rods or bars E a corresponding number of reeds are necessary to form the puff, and consequently I make the spacing plates G with a like number of corners in the star-shaped opening  $G'$ , and also make the opening of a diameter corresponding to the largest diame-



ter of the sheet after the same has been curved around the rod or bar, as will be readily understood by reference to Figs. 5 and 6.

I do not limit myself to the particular means for flexibly uniting the ends of the reeds to form a sheet of reeds, as other means besides the ones mentioned can be employed for the purpose.

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

1. The method of forming reed puff fabric for ornamenting furniture which consists in clamping a series of reeds around a former to bend them into proper shape and then while the reeds are so clamped beveling their inner faces at their ends, and finally flexibly connecting the beveled ends of the series, substantially as set forth.

2. The method of forming reed puff fabric for ornamenting furniture which consists in clamping a series of reeds around a former to bend them into proper shape, then while the reeds are so clamped beveling and transversely grooving their inner faces at their ends, and finally flexibly connecting the beveled ends of the series by securing flexible connecting strands in said grooves, substantially as set forth.

3. A reed fabric for forming furniture or-

naments consisting in a series of bowed reeds beveled on their inner faces at their ends, the beveled faces of each reed lying in the same longitudinal plane, and a flexible connection uniting said beveled ends; whereby a piece of the fabric of suitable length may be made to inclose a rod or other part of a piece of furniture and form an ornamental puff or figure thereon, substantially as set forth.

4. A reed fabric for forming furniture ornaments consisting in a series of bowed reeds each beveled on its inner face at both ends and transversely grooved across both beveled surfaces, connecting strands secured within said grooves to flexibly connect the reeds at both ends; whereby a piece of the fabric of suitable length may be made to inclose a rod or other part of a piece of furniture and form an ornamental puff or figure thereon, substantially as set forth.

5. The bowed reed A, having its inner face beveled at both ends; the beveled surfaces lying in the same longitudinal plane and each of said surfaces being grooved transversely, substantially as set forth.

CHARLES BUSH.

Witnesses:

CHAS. L. CHATTERTON,  
JOHN B. MASON.