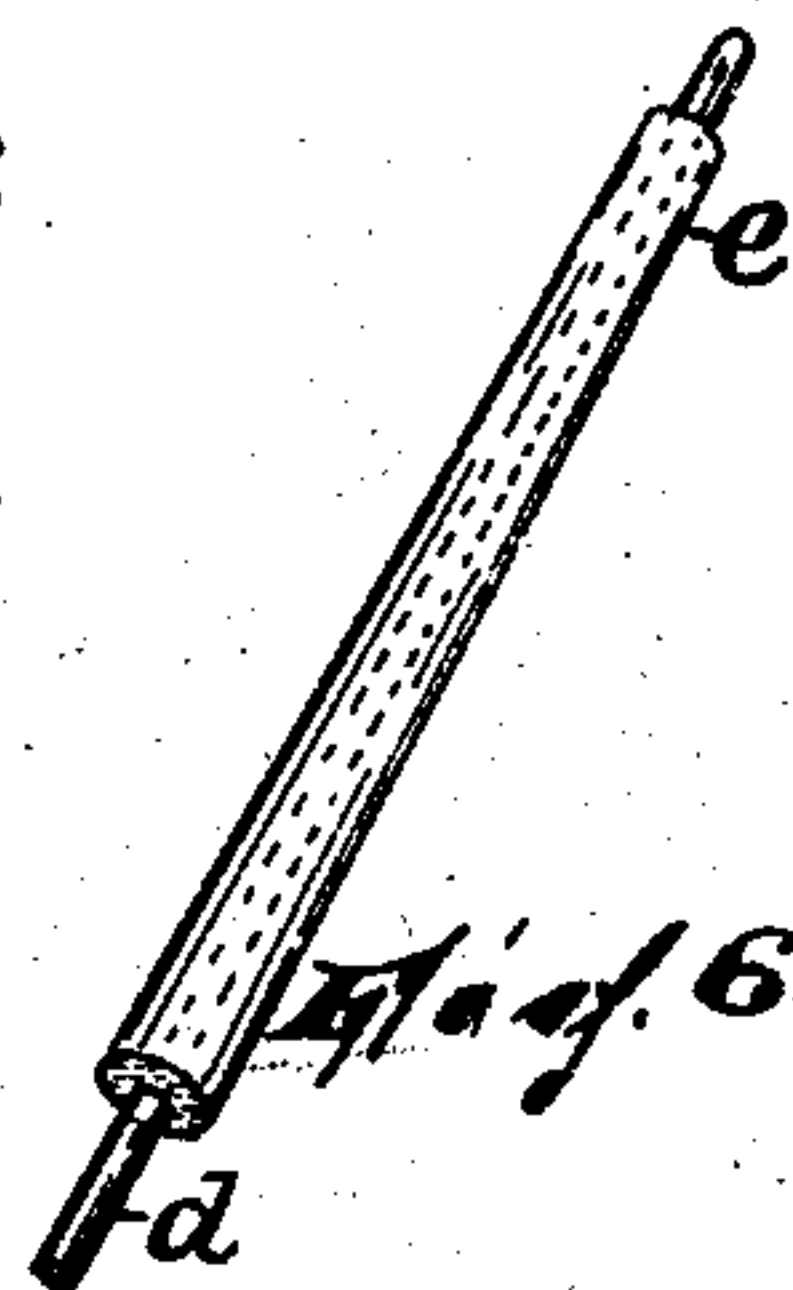
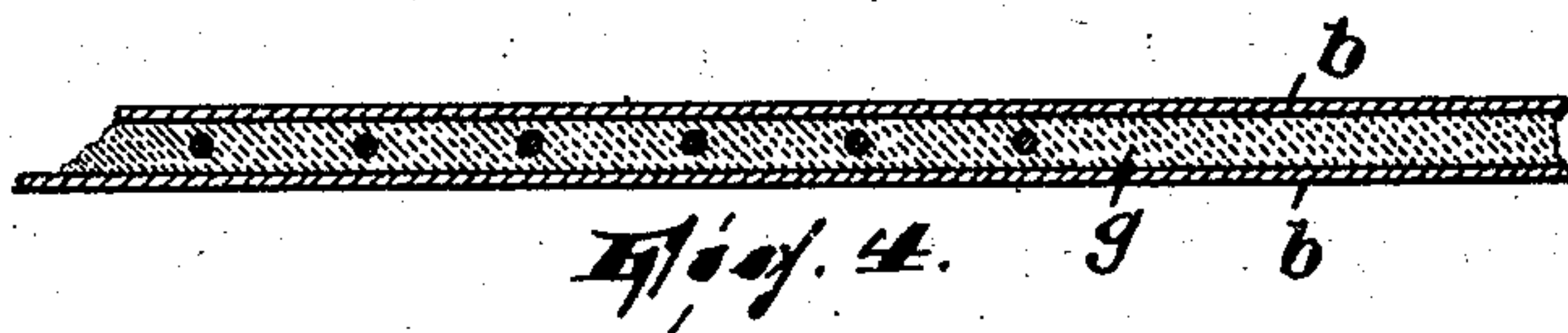
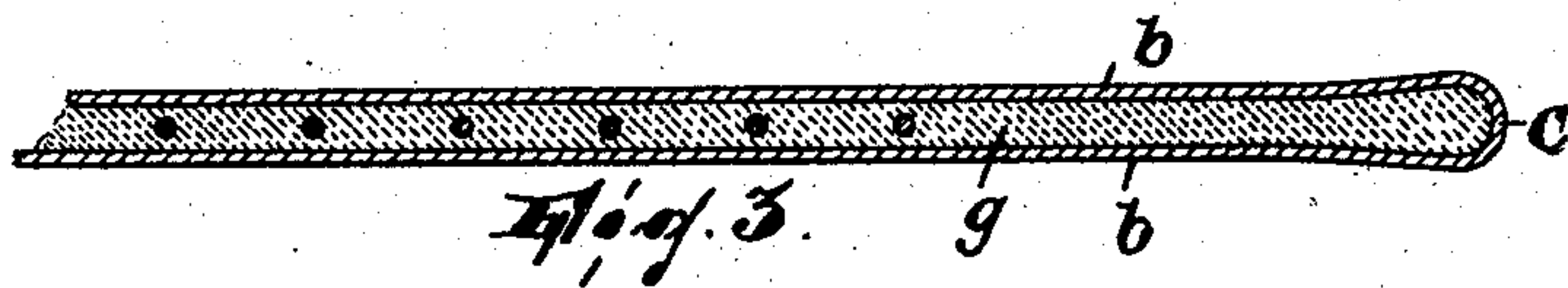
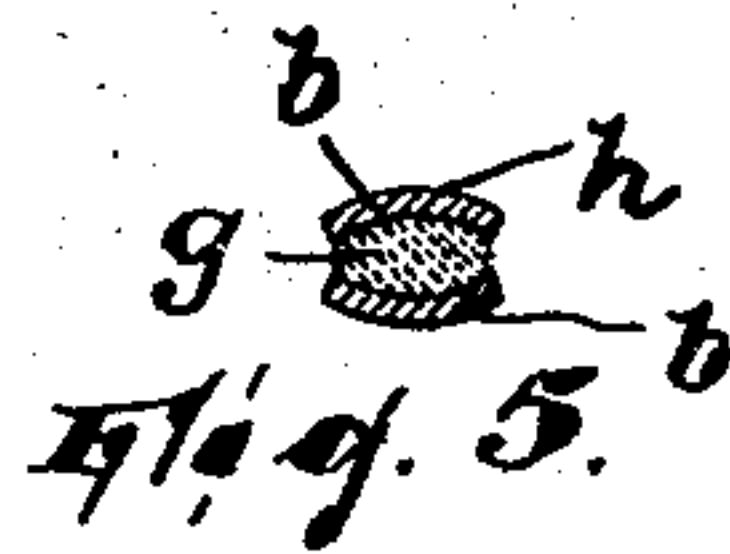
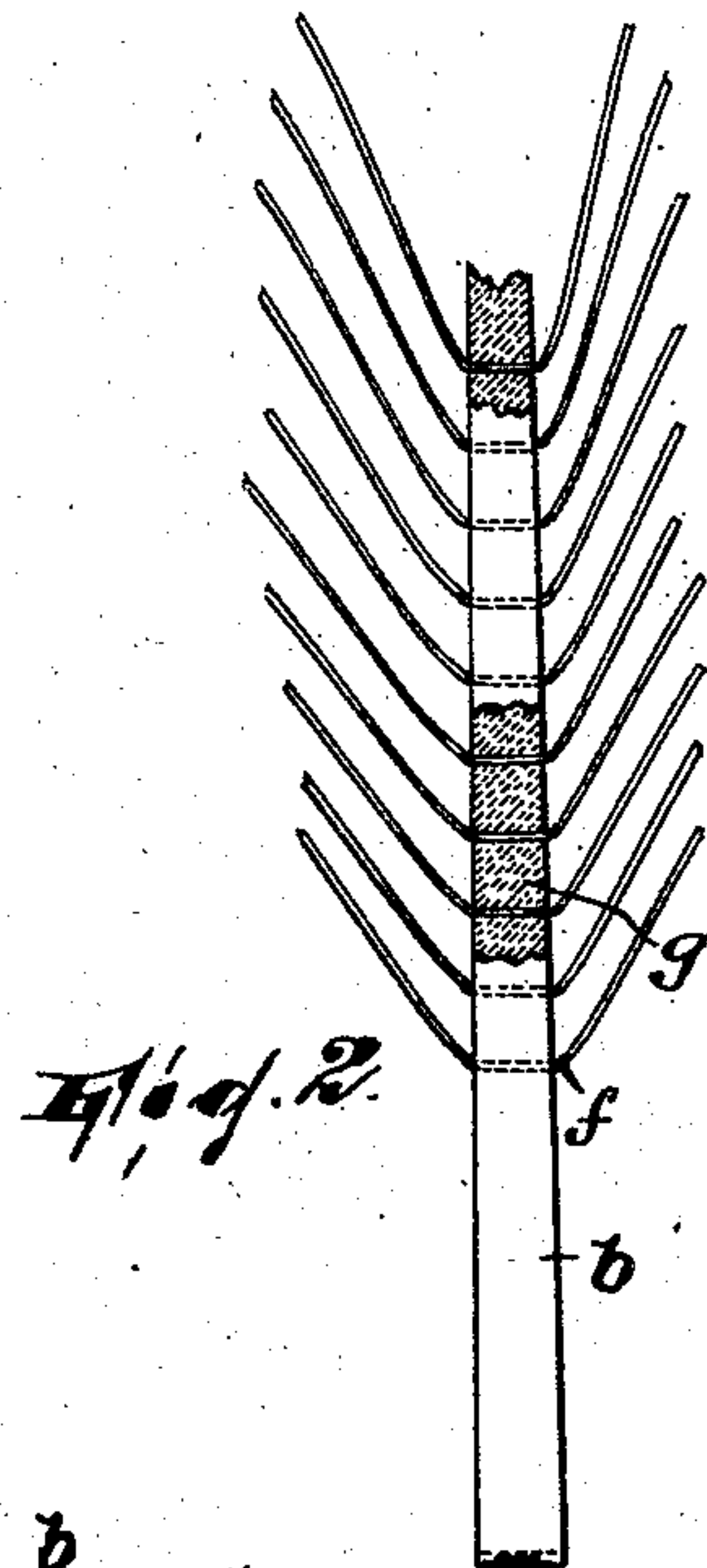


No. 785,320.

PATENTED MAR. 21, 1905.

R. L. McLAUGHLIN.
ARTIFICIAL AIGRET.

APPLICATION FILED SEPT. 23, 1904.



WITNESSES:

Wm. Drell.
Robert J. Pollitt.

INVENTOR,

Robert L. McLaughlin.

BY

Gartner & Leonard.
ATTORNEYS.

UNITED STATES PATENT OFFICE.

ROBERT L. McLAUGHLIN, OF LAKEVIEW, NEW JERSEY, ASSIGNOR TO THE AIGRETTE SUPPLY COMPANY, OF PATERSON, NEW JERSEY, A CORPORATION OF NEW JERSEY.

ARTIFICIAL AIGRET.

SPECIFICATION forming part of Letters Patent No. 785,320, dated March 21, 1905.

Application filed September 23, 1904. Serial No. 225,606.

To all whom it may concern:

Be it known that I, ROBERT L. McLAUGHLIN, a citizen of the United States, residing in Lakeview, in the county of Passaic and State of New Jersey, have invented certain new and useful Improvements in Artificial Aigrets; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

My present invention relates to the manufacture of artificial aigrets or other similar articles.

A process of manufacturing the article herein described forms the subject of an application for Letters Patent of the United States filed by me of even date herewith.

My invention contemplates an artificial aigret in which the barbs are suitable filaments each attached in its middle portion to the shaft or stem, consisting of an attenuated piece of stiff material, and bent in said middle portion in such a manner that each half or free portion of the filament stands convergent with reference to the other half or free portion thereof.

My invention in part consists in an artificial aigret of substantially the construction described above. I have in practice, however, found it advantageous—principally in point of economy of material, labor, and time—to introduce certain features not specifically mentioned in the foregoing. These I will set forth in reference to the preferred form of the aigret now to be described and then point them out in the claims forming part hereof.

In the accompanying drawings, wherein my invention is fully illustrated, Figure 1 shows the complete aigret. Fig. 2 is a magnified plan view of the aigret, showing portions of the top layer of the stem or shaft broken away. Fig. 3 is a longitudinal sectional view showing one way of making the shaft. Fig. 4 is a view similar to Fig. 3, but showing an-

other way of making the shaft. Fig. 5 is a magnified cross-sectional view of the aigret, and Fig. 6 is a magnified perspective view of a fragment of one of the filaments forming the barbs.

The shaft or stem *a* consists of two layers *b* of attenuated, tapering, and stiff, but pliable material. These layers may be separate from each other, as shown in Fig. 4, or integral with each other, as in Fig. 3, the piece of material forming them being doubled or bent back upon itself in its middle portion, as at *c*, Fig. 3. The barbs consist of silk, cotton, or other thread *d* coated with a sizing *e* and each bent in its middle portion, as at *f*, so that the two halves thereof converge. The filaments forming the barbs are disposed in the shaft, with the bends *f* lying in between the two layers *b b* of the shaft and in such manner that all of the barbs are parallel.

g designates a suitable adhesive which may be applied to one or both layers *b* of the shaft before the same are laid the one on the other with the barbs interposed. When the parts are so assembled and then compressed and the adhesive allowed to set, the aigret is complete.

I prefer to impart a cross-sectional curvature to each layer; as at *h* in Fig. 5, in order to further the simulation of the real aigret, whose shaft has an oval cross-section.

The sizing stiffens up the threads and, if waterproof, protects them from the effects of dampness. The material of the shaft *a*, as well as the adhesive, should also be of waterproof nature.

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

1. As an article of manufacture, an artificial aigret consisting of a shaft formed of an attenuated piece of stiff material, and barbs formed of suitable filaments bent in their middle portions and attached in said middle portions to the shaft, substantially as described.

2. As an article of manufacture, an artificial aigret consisting of a shaft formed of an attenuated piece of stiff material, barbs formed

of suitable filaments bent in their middle portions and arranged with their bends disposed along the shaft, and an adhesive securing said filaments in their bent portions to the shaft, substantially as described.

3. As an article of manufacture, an aigret consisting of a shaft formed of layers of attenuated stiff material laid one on the other, barbs formed of suitable filaments bent in their middle portions and disposed along the shaft with their bends interposed between the layers of said shaft, and means for securing said layers of the shaft and the interposed barbs together, substantially as described.

4. As an article of manufacture, an aigret consisting of a shaft formed of layers of attenuated stiff material laid one on the other, barbs formed of suitable filaments bent in their middle portions and disposed along the shaft with their bends interposed between the layers of said shaft, and an adhesive, interposed between the layers of the shaft, for securing said layers and the barbs together, substantially as described.

5. As an article of manufacture, an aigret consisting of a shaft formed of layers of attenuated stiff material laid one on the other, each layer having its outer surface cross-sectionally convex, barbs formed of suitable filaments bent in their middle portions and disposed along the shaft with their bends interposed between the layers of said shaft, and means for securing said layers of the shaft and the interposed barbs together, substantially as described.

6. As an article of manufacture, an artificial aigret consisting of a shaft formed of an attenuated piece of stiff material, and barbs formed of suitable filaments attached to said shaft and bent adjacent the shaft into convergence with the latter, substantially as described.

7. As an article of manufacture, an artificial aigret consisting of a shaft formed of layers of stiff material laid one on the other, barbs formed of suitable filaments and disposed along the shaft with portions thereof interposed between the layers of said shaft, and means for securing said layers of the shaft and the interposed portions of the barbs together, said barbs being bent adjacent the shaft into convergence with the latter, substantially as described.

8. As an article of manufacture, an artificial aigret consisting of a shaft formed of layers of stiff material laid one on the other, barbs formed of suitable filaments and disposed along the shaft with portions thereof interposed between the layers of said shaft, and means for securing said layers of the shaft and the interposed portions of the barbs together, substantially as described.

In testimony that I claim the foregoing I have hereunto set my hand this 14th day of September, 1904.

ROBERT L. McLAUGHLIN.

Witnesses:

JOHN W. STEWARD,
ALFRED GARTNER.