

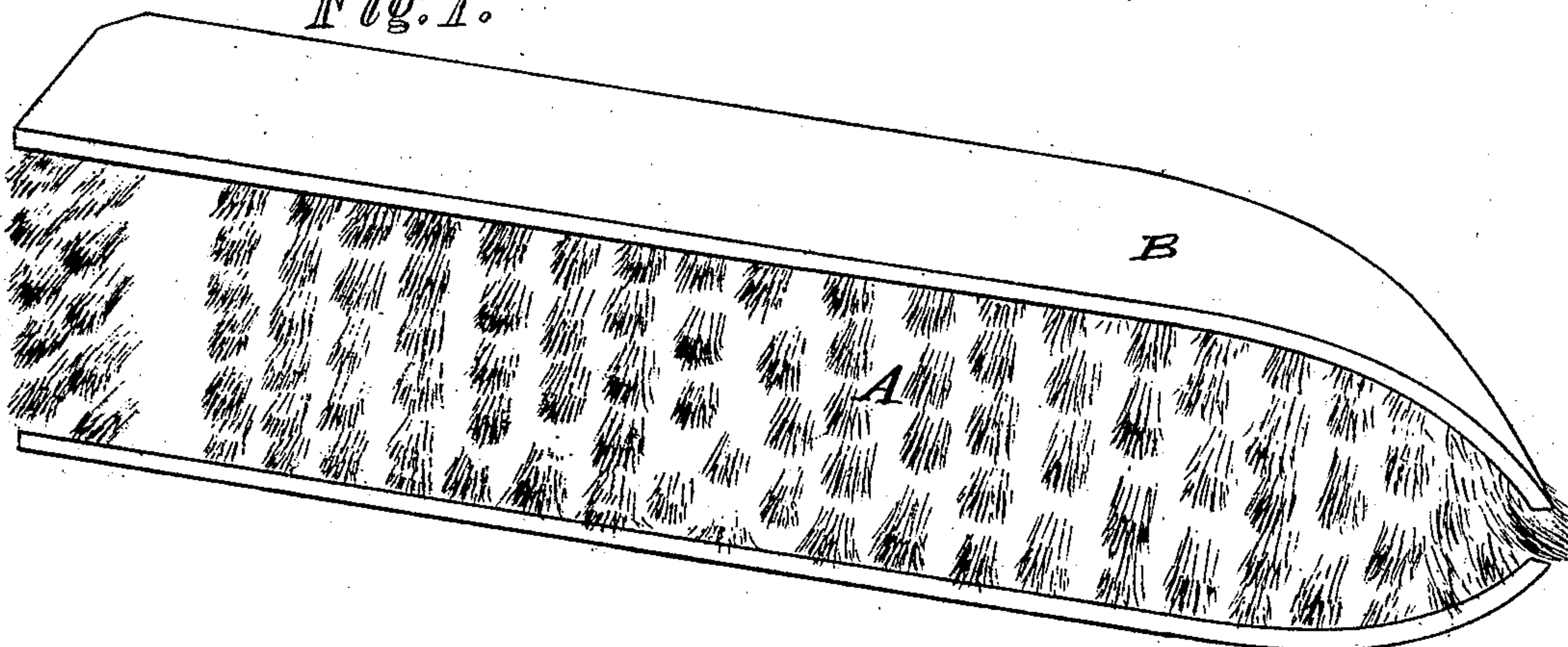
*B. F. Koller,*

*Scrub Brush*

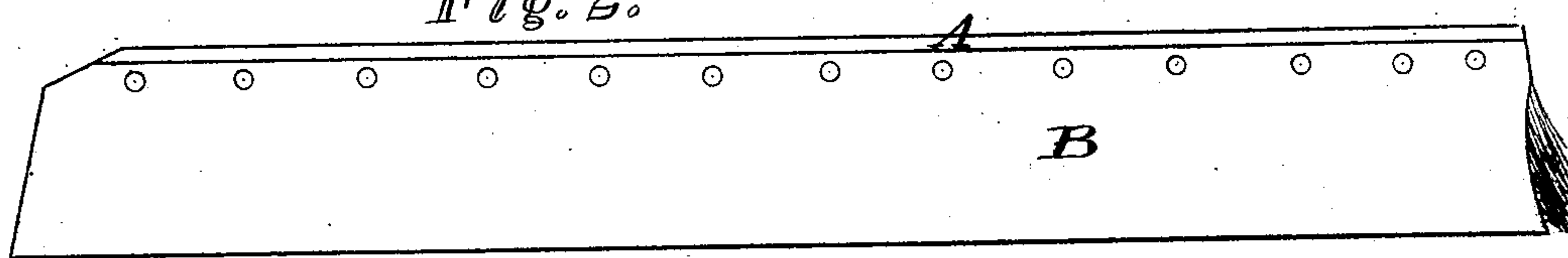
*No. 101,630.*

*Patented Apr. 5. 1870.*

*Fig. 1.*



*Fig. 2.*



*Witnesses.*

*Villebois Angermon.*  
*Charles Kenyon*

*Inventor.*

*B. F. Koller,*  
*Chipman Hoarner & Co.*  
*Attorneys.*

# United States Patent Office.

BENJAMIN F. KOLLER, OF SHREWSBURY, PENNSYLVANIA.

*Letters Patent No. 101,630, dated April 5, 1870.*

## IMPROVED SCRUBBING-BRUSH.

The Schedule referred to in these Letters Patent and making part of the same

*To all whom it may concern :*

Be it known that I, BENJAMIN F. KOLLER, of Shrewsbury, in the county of York and State of Pennsylvania, have invented a new and valuable Improvement in Scrubbing-Brushes; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of my invention in perspective.

Figure 2 is a side view of the same.

My invention relates to scrubbing-brushes, and consists, mainly, in the attachment of continuous rubber flanks on each side thereof, whereby the bristles are protected and the erasive qualities of the rubber brought into action in an efficient and satisfactory manner.

The letter A of the drawings designates my scrubbing-brush, provided with the continuous rubber flanks B, extending from one end to the other, and arranged in such a manner that the lower edges of the rubber are about even with the ends of the bristles. In constructing these protecting-flanks I usually employ a single strip of stout rubber, about one-eighth of an inch in thickness, and divide it partially in the middle, at the point where it passes around the point of the brush. The upper edge of the strip is tacked or otherwise fastened to the brush-stock. In this manner is formed a very serviceable and durable brush. The rubber bands

on the sides not only support the bristles, thereby keeping them from being bent and matted together, but they also keep the grime and coarse dirt away from the bristles. Besides these advantages, the rubber flanks possess of themselves remarkable erasive properties, and are designed to remove stains and spots which could not easily be eradicated by the bristles themselves. Further, the bristles always act with their ends, and wear equally. They do not become matted, broken, and bent.

Such a brush as I have described will be serviceable even when it is almost worn to the wood of the stock.

I am aware that India rubber has been used in the construction of scrubbing-brushes, and that it appears in the patent of William C. Cleaveland of May 8, 1866. I do not, therefore, claim the use of that material, broadly.

What I claim as my invention, and desire to secure by Letters Patent, is—

The hand scrubbing-brush herein described, provided with the continuous external rubber flanks B, when constructed and arranged to operate as and for the purposes specified, as a new article of manufacture.

In testimony that I claim the above, I have hereunto subscribed my name in the presence of two witnesses.

BENJAMIN F. KOLLER.

Witnesses:

E. W. ANDERSON,  
D. D. KANE.