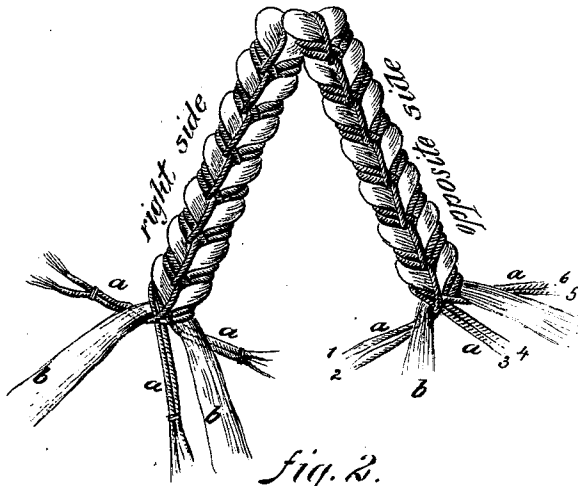


A. MOLL.  
STAR BRAID.

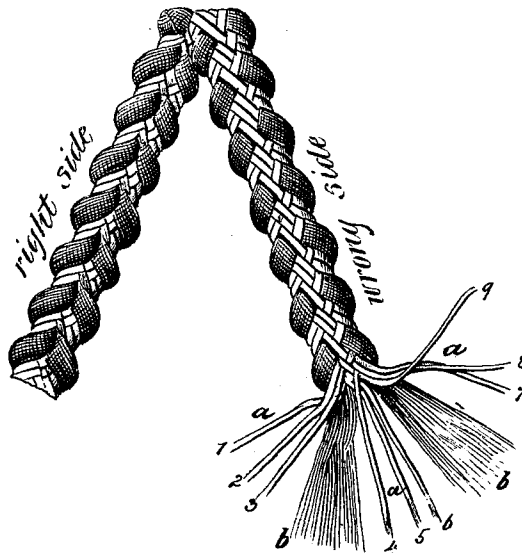
No. 182,945.

Patented Oct. 3, 1876.

*Fig. 1.*



*Fig. 2.*



WITNESSES:

*J. Keane*  
*A. J. Dedacy.*

INVENTOR:

*August Moll.*  
BY *M. M. Limpton*

ATTORNEY.

# UNITED STATES PATENT OFFICE.

AUGUST MOLL, OF BROOKLYN, NEW YORK.

## IMPROVEMENT IN "STAR BRAID."

Specification forming part of Letters Patent No. 182,945, dated October 3, 1876; application filed May 15, 1876.

### *To all whom it may concern:*

Be it known that I, AUGUST MOLL, of the city of Brooklyn, in the county of Kings and State of New York, have invented a certain new and useful Improvement in Star Braid; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing, which forms a part of this specification.

This invention relates to an improvement in that kind of trimming-braid known in the market as "star braid." Heretofore this kind of braid has not been made with both sides alike. There was the right side and the wrong side, and ladies, in sewing it on fabrics, have had to keep this fact in mind lest, in forming corners, the wrong side of the braid come uppermost, and, moreover, in forming sharp points, it is much easier to turn the under side up than to keep one side up all the time.

The object of my invention is to produce a star braid with both sides alike, as well as to cheapen its manufacture in some respects.

My invention, therefore, consists in the new article of manufacture of the kind of braid known as "star braid," having both sides alike, and made with six binding-threads.

In the accompanying drawing, Figure 1 is a face view of a piece of my improved star braid, showing both sides thereof; and Fig. 2 is a similar view of the same kind of braid as heretofore made.

In the manufacture of star braid the practice has heretofore been to use nine spindles, each one carrying a binding-thread, which, when interlocked with the filling-threads, in a well-known manner, produced the braid. But the braid thus made was not alike on both sides, as will be seen by reference to Fig. 2. I discovered that by using an even number—say, six binding-threads, and the requisite amount of filling-threads—I could produce a star braid alike on both sides, and at a difference in cost due to the difference in value between six and nine binding-threads, which is not inconsiderable, especially when making silk braid.

In both figures the ends of the samples shown are purposely spread apart, and the binding-threads lettered *a* and the filling lettered *b*. The binding-threads are also numbered for convenience in counting them; and the examples represented are termed "mixed" braids, because the filler is of one color (say, black) and the binding-threads of another color, (say, white.)

In manufacturing my improved star braid, I can, and at present do, make use of a well-known kind of braiding-machine, which is imported from Germany. Such machines have been on sale in the market for upward of twenty years, and are commonly known to the trade as "braiding-machines." The said machines carry nine spindles, all of which are employed in making the old style of star braid, (shown in Fig. 2;) whereas, in making my new braid, (shown in Fig. 1,) I omit every third spindle, thus having but six spindles, instead of nine, to supply with a binding-thread. No other change in the machine is necessary, and no change need be employed in the method of using such machine.

My invention includes star braid made of the same or different kinds of thread and filling, and of the same or different colors.

In conclusion, I wish to remark that although in Fig. 2 but two binding-threads are visible at the points where the filling is separated or tied off, yet in the braid itself the three threads will be found at each of said points. In my braid, Fig. 1, the two binders used for separating or tying off the filling are shown.

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

The new article of manufacture of star braid, having the usual filling and but six binding-threads, and being alike on both sides, substantially as herein specified.

AUGUST MOLL.

Witnesses:

M. M. LIVINGSTON,  
A. C. LIVINGSTON.