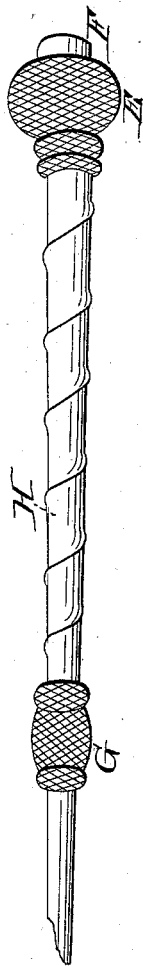


R. S. Brown,
Whip Button,
N^o 2462. *Patented Feb. 21, 1842.*

Fig; 2.



Fig; 1.



UNITED STATES PATENT OFFICE.

ROBERT S. BROWN, OF PHILADELPHIA, PENNSYLVANIA.

MANNER OF MAKING OR FORMING WORKED BUTTONS ON THE HEADS, HANDLES, AND OTHER PARTS OF WHIPS.

Specification of Letters Patent No. 2,462, dated February 21, 1842.

To all whom it may concern:

Be it known that I, ROBERT S. BROWN, of the city of Philadelphia, in the State of Pennsylvania, have invented a new and useful Improvement in the Manner of Making or Forming what are denominated "Worked Buttons" on the Heads and Handles of Whips; and I do hereby declare that the following is a full and exact description thereof.

The following is the manner of making worked buttons which has heretofore been pursued. What the workmen call a mold, is formed by winding thread around the whip where the button is to be, using glue, or pitch to cause the thread to adhere; in this way a proper foundation, of the desired shape and size, is made, and this is worked over by means of a needle carrying catgut, or cord, so as to cover the surface of the mold. The method which I have devised and adopted for forming such buttons facilitates the process to such an extent as enables me to make three or four dozen buttons when one could be made in the ordinary way.

In making, or forming, the buttons by my improved process, I proceed in the following manner. I take the whip-maker's plaiting machine, of any of the several kinds now in use. Some of these machines, as is well known to manufacturers, require to have a rim, or hoop, around them which must reach up to the height of the bobbins, to enable them to plait backward, while others do not require this appendage. In using these machines, I form what are called the thumb, and top, buttons upon a mandrel, or spindle, of wood, or of metal, of suitable size, such as is represented at A, Figure 1, in the accompanying drawing.

For a foundation upon which to plait the button, I make a tube of paper by pasting one, two or more, thicknesses of that material around that part of the mandrel which is of the proper size. A part of one of these paper tubes is shown at B. This paper tube I cut square at each end, and to the length required for the button. I then place the mandrel in the machine and plait over the paper tube from one end of it to the other, and cut the ends of the thread, or catgut, off smoothly at the place of beginning; I next back over the first plaiting far enough to cover the ends of the threads at the place of

beginning, by which they are rendered secure. For some purposes, the plaiting will then be completed; but if the button is required to be thicker, in whole, or in part, I continue to plait backward and forward until it has assumed the desired size and shape. It is then to be taken off the mandrel, the thread or catgut cut off to a proper length, unraveled to a short distance, and tucked into the paper tube, taking care that they do not reach through it. I then pass the mandrel into the tube, roll the button, and size it. The ends will thus have a neat finish, and the paper will give to it the necessary stiffness, when it may be slid to its proper place on the whip.

C, represents a button before the ends of the threads are cut and placed into the tube. D, a button into the tube of which the ends of the threads have been passed, and the mandrel inserted to set it properly.

In Fig. 2, E, represents a head button on the handle part of the whip; this button, I plait on the whip itself. In forming it I first put on the leather cap F, and then place the whip in the machine; having done this, I proceed to plait up and down, in the same manner as upon the mandrel, until I have given to it the proper size and form; a thing which will be well understood by every workman; the plaiting is to be finished at the end toward the leather cap, where the threads are to be cut off, and neatly tucked in under the button. I then roll and finish it in the usual way.

I sometimes plait the thumb button G, the handle part H, and the head button E, at one continuous operation. For this purpose, after placing the whip in the machine, I begin by plaiting the thumb button; and when this is finished, instead of cutting off the thread, or gut, I plait on over the handle, and then plait and finish the head button as before described. The entire novelty, and the special economy of the within-described process will be at once apparent to every one well acquainted with the art of whip making.

Having thus fully described the nature of my improvement in the mode of making, or forming, the worked buttons for whips; what I claim therein as new, and desire to secure by Letters Patent, is—

The manufacturing of them upon a mandrel, when they are to be slipped on to the whip, or upon a handle of the whip, in the

part where such button is to constitute a head, or knob, by using the common, whip-maker's plaiting machine for that purpose, in the manner herein set forth.

5 I do not claim anything new in the machinery, or apparatus, that I employ, but limit my claim to the new and improved

process in the art of manufacturing such buttons, as herein described and made known.

ROBERT S. BROWN.

Witnesses:

GEORGE TABER,

MICHAEL MAGEE.