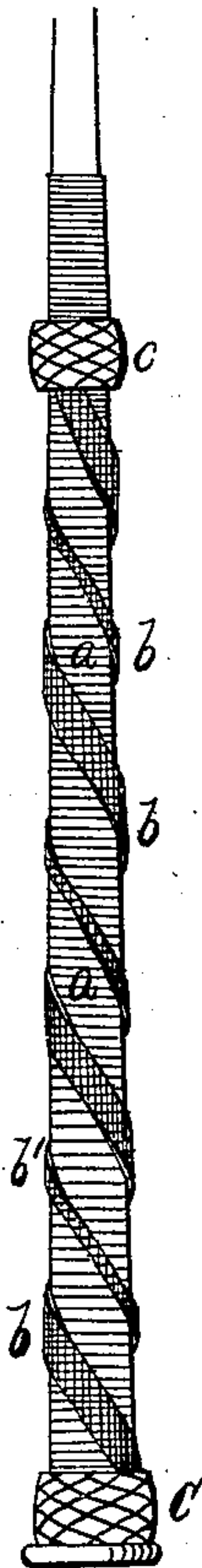


L. Hull,

Whip,

Nº 82,840

Patented Oct. 6, 1868.



Witnesses.

S. N. Piper
J. R. Snow

Inventor.
Liverius Hull

by his attorney

R. W. Eddy

United States Patent Office.

LIVERUS HULL, OF CHARLESTOWN, MASSACHUSETTS.

Letters Patent No. 82,840, dated October 6, 1868.

IMPROVED WHIP-HANDLE.

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

TO ALL PERSONS TO WHOM THESE PRESENTS MAY COME :

Be it known that I, LIVERUS HULL, of Charlestown, of the county of Middlesex, and State of Massachusetts, have invented a new and useful Improvement in Whips, or the Handles thereof; and do hereby declare the same to be fully described in the following specification, and represented in the accompanying drawings, of which—

Figure 1 is a side view of a whip-handle made in accordance with my invention, which relates particularly to the covering of such handle.

In carrying out my invention, I braid or wind, on that part of the whip-stock termed the handle, a covering of thread. In order to protect this covering, and to keep its helices or layers of thread in their proper places or positions with respect to each other, I wind, in a long helix, or in long helices, about the covering, and so as to cross its layers of thread, one or more narrow knit, braided, or woven bands, which I glue or otherwise cement to the covering, the ends of such bands being secured in place by what are termed "Turks' heads," wrought in the usual way on the handle.

In the drawings, *a* denotes the thread-covering, *b b'* the braiding-bands, and *c c* the "Turks' heads."

After the helical braid or braids may have been arranged on the handle, it may be painted and varnished as occasion may require.

I am aware that it is customary, in the making of whip-coverings, to braid in with the body-threads a series of other threads, so as to form projecting helices about the stock, the same being for ornamentation, as well as to bind together the body-threads. I am also aware that it is not new to weave on a whip-stock a series of "Turks' heads," and therefore I make no claim to such. My invention differs from the above, inasmuch as the projecting helices are not braided or interwoven with the body-covering, but are simply laid and cemented thereon after its formation, and the "Turks' heads" are used to cover and fix in place the ends of the helix-bands or braids. While the ornamental effects are the same or substantially the same in both cases, the expense of making the compound covering of the handle is greatly reduced, and the threads of the body-covering are duly protected from wear, injury, or displacement.

What, therefore, I claim, is—

The improved whip-handle or manufacture, as having one or more knit, woven, or braided bands, laid in one or more helices, about and cemented to a braided or wound covering of thread, previously laid or formed on the stock of the handle.

I also claim the combination and arrangement of the "Turks' heads," or their equivalents, the body-covering of thread, and the helical bands, laid on and cemented to such body-covering as set forth.

LIVERUS HULL.

Witnesses :

R. H. EDDY,

F. P. HALE, Jr.