

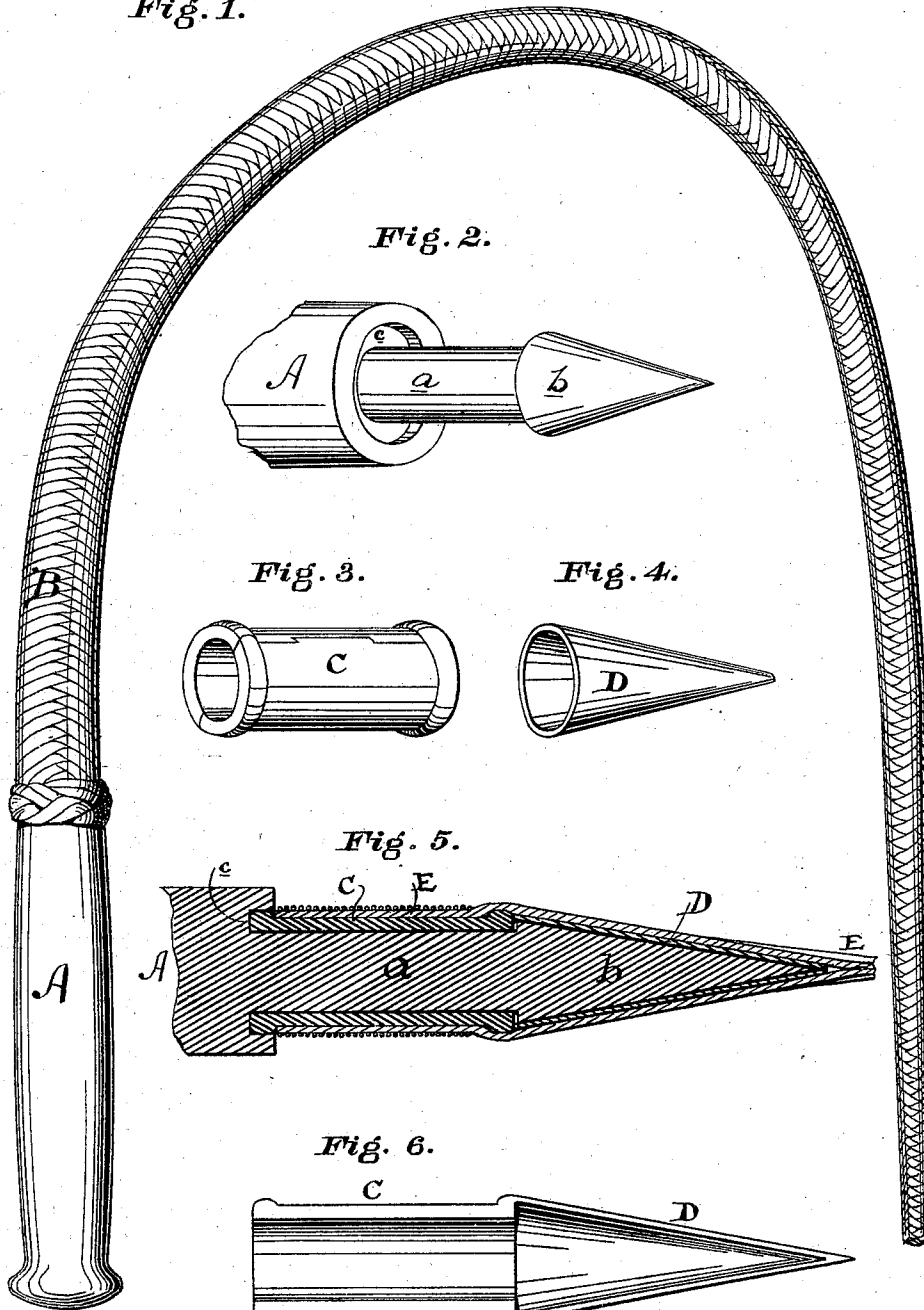
N. H. BELL.

Whips.

No. 150,815.

Patented May 12, 1874.

Fig. 1.



Witnesses:~

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UNITED STATES PATENT OFFICE.

NELSON H. BELL, OF BALTIMORE, MARYLAND.

IMPROVEMENT IN WHIPS.

Specification forming part of Letters Patent No. **150,815**, dated May 12, 1874; application filed April 27, 1874.

To all whom it may concern:

Be it known that I, NELSON H. BELL, of Baltimore, in the county of Baltimore and State of Maryland, have invented a new and useful Improvement in Whips; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, in which—

Figure 1 is a side view of my whip completed. Fig. 2 is a perspective of the end of my whip stock or handle. Figs. 3 and 4 represent, in perspective, my ferrule and cap, whereby the lash or flexible portion of my whip is united to the handle or rigid portion. Fig. 5 is a longitudinal section through the stock, ferrule, and cap, showing the filling-in place. Fig. 6 represents my ferrule and cap cast or formed together.

The whips used by cattle-drovers are very long and heavy, and are of two kinds or classes—those in which the lash is separate and detachable from the handle, and those in which the handle and lash are constructed together and non-separable.

This improvement relates to the latter class. To use so heavy a whip with effect requires it to be swung around with a sweep of the arm, and, unless the lash is provided with a swivel-connection to the handle, it is compelled to twist, and a considerable amount of power is thereby consumed and abstracted from the force of the blow. If the lash has a swivel-connection to the handle, it is not caused to twist, and may be handled with much greater ease.

I am aware that whip-lashes have heretofore been connected to their handles by swivel-connections, and therefore do not make any claim to that invention.

My improvement is designed to make the swivel-joint between the handle and lash very cheap in production, and not liable to any derangement by reason of wet or dampness to which such implements are necessarily exposed. This I do by interposing between the lash and the stock, over the whole of the end of said stock within the lash, a metallic covering.

That others may fully understand my improvement, I will particularly describe it.

A is the stock or handle of my whip, and B is the lash. One end of stock A is provided

with a cylindrical neck, *a*, and a boss or head, *b*. This boss *b* I prefer should be conical, similar to that shown, so that the lash may receive a long support in its swivel. At the intersection of the neck *a* and body of the stock A there may be a groove, *c*, to receive the end of the swivel sleeve or sleeves C, which is divided, so that it can be placed in position upon the neck *a*, and its edges brought together so as to form a complete cylinder, snugly, but not tightly, fitted to said neck, and free to revolve thereon. Said swivel-sleeve may be made in one or two parts, as may be preferred, and as set forth in my patent dated April 14, 1874, for an improvement in whip-stocks. The lash B is braided upon the sleeve C, instead of being secured to a loop fastened thereto, as described in my said patent. In order to give support to the lash for a little distance, and to prevent it from pressing upon and sticking to the head or boss *b* when wet, I place over said head a conical thimble, D, which, in effect, is a continuation of the sleeve C, and may be actually a combination thereof, as shown in Fig. 6, if preferred.

In constructing my whips, filling-strips E are first laid upon the sleeve C, and firmly bound thereto by wrapping them with thread or twine. These strips are long enough to extend down into the lash, and give it the requisite thickness and belly, if desired. After the filling-strips have been secured in place, the strands of the lash are braided in the usual way, commencing on the sleeve C, close up to the shoulder or end of the stock A, as shown in Fig. 1.

Having described my invention, what I claim as new is—

1. A whip-handle provided with a cylindrical neck and a head or boss, combined with a ferrule provided with a cap to cover said head or boss, whereby the lash may be braided directly upon said ferrule, and be enabled to swivel freely upon said handle, as set forth.

2. In combination with the ferrule, the handle constructed with a groove-seat for the end of said ferrule, as set forth.

NELSON H. BELL.

Witnesses:

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