D. GOFF.
Braid-Holder.

No. 226,061 Patented Mar. 30, 1880.

FIG. 1.

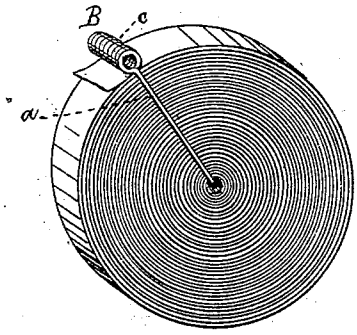


FIG. 2.

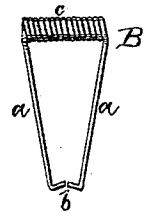
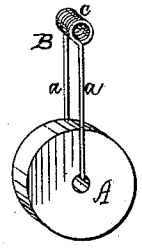


FIG. 3.



WITNESSES:
Philip F. Larner
Howell Hartle.

INVENTOR:
Darius Goff
By Wm. C. Wood
Attorney

N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

DARIUS GOFF, OF PAWTUCKET, RHODE ISLAND, ASSIGNOR TO D. GOFF & SONS, OF SAME PLACE.

BRAID-HOLDER.

SPECIFICATION forming part of Letters Patent No. 226,061, dated March 30, 1880.

Application filed February 24, 1880.

To all whom it may concern:

Be it known that I, DARIUS GOFF, of Pawtucket, in the county of Providence, in the State of Rhode Island, have invented a certain new and useful Improvement in Braid-Holders; and I do hereby declare that the following specification, taken in connection with the drawings furnished and forming a part of the same, is a clear, true, and complete description of my invention.

My improvement relates to such braid-holding devices as are preferably composed of wire, and are usually employed in connection with a central core on which the braid is coiled, as shown and described in the United States Letters Patent reissued to myself and my son May 27, 1879, No. 8,725, the same being a reissue of Letters Patent dated December 18, 1877.

So far as my knowledge extends no wire clasp for use as a braid-holder has ever heretofore been constructed with special reference to a contractile capacity of the inner ends of the clasp for attaining close contact with the central portion of a coil of braid or with the wooden core on which it is usually wound.

For attaining the best results we have heretofore used wire composed of steel or brass; but we have also extensively used iron wire, which can be fully relied upon for making clasps to be used on coils of narrow braid. In proportion, however, as the braid is wide the greater is the difficulty in properly mounting the clasp, because in widely spreading its pivotal points incident to its application to the coil and core it is liable to become more or less "set" at the outer end on each side, and therefore it is liable to fail in engaging as snugly and firmly with the sides of the coil or the core as is usually desirable. This liability of the sides of the clasp to be set outward is greater with iron wire than with steel or brass wire, both of which are much more expensive.

The prime object of my invention is to provide a simple and effective braid-holding clasp capable of being widely distended at its inner or pivotal end without liability of impairing its contractile capacity.

My invention mainly consists in a wire braid-holding clasp which is spiraled to form a spring at its outer end between its sides for exerting contractile power upon its sides and pivotal inner ends, and, still further, in the combination, with a central core, of a braid-holding clasp composed of wire coiled or spiraled to form a spring at its outer end between its sides.

As results of my invention I am enabled to make the pivotal ends of the clasp of greater length than has heretofore been practicable, because the wide expansion of said ends in applying it to coils of braid cannot impair the clasp at the junction of its sides with its outer end; also, whether said pivotal points be long or short, they are held inward more firmly than heretofore; also, the ends of the spiraled portion in its most approved form afford a better holding-surface for the thumb and finger in unwinding and rewinding the braid than the plain wire clasp; and, also, my improved clasp can be more easily applied to a coil in a proper manner than clasps as heretofore made, because of the freedom with which the pivotal ends may be distended.

To more particularly describe my invention I will refer to the accompanying drawings, in which—

Figure 1 represents a coil of braid with my improved clasp applied thereto. Fig. 2 represents the clasp detached. Fig. 3 represents the clasp in combination with a wooden core on which braid is usually coiled.

The braid is preferably and usually coiled upon a wooden core, A, provided with an axial opening. The clasp B has sides *a* and pivotal ends *b*, as heretofore. The clasp is constructed in a novel manner, in that it is spiraled across its outer end, *c*, thereby affording a spring which exercises a contractile power over the inner or pivotal ends of the clasp. This spiraling of the end of the clasp may be largely varied in its character; but it is essential that the pivotal ends of the clasp be originally well set toward each other, so that on being spread apart the spring action of the spiraled end will cause them to return to their original or normal position and firmly engage with the center of a coil of braid, as in Fig. 1,

or with the sides of the wooden core usually employed therewith. This capacity for being widely separated at the pivotal points without danger of outwardly setting those ends renders it practicable to provide my improved clasps with pivotal points as long as the braid is wide, if desired, for attaining an unusually firm central attachment to the center of a coil or with a wooden core.

So long as a proper surface is provided at the outer end of the clasp for peripheral contact with the braid the particular mode of spiraling for securing the desired contractile effect may be largely varied; but I prefer to spiral it as shown in the drawings, so as to afford at each side a good holding-surface for the thumb and finger when uncoiling or re-coiling the braid.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. The wire clasp for coiled braid, substantially as hereinbefore described, spiraled at its outer end for contracting its inner pivotal ends, and thereby enabling them to be widely distended and capable of returning to their original position, as set forth.

2. The braid-holding device, substantially as hereinbefore described, consisting of a central core and a pivotal clasp having a spring at its outer end for causing its inner ends to closely engage with the core and with braid coiled thereon, as set forth.

DARIUS GOFF.

Witnesses:
W. W. BLODGETT,
E. W. BLODGETT.