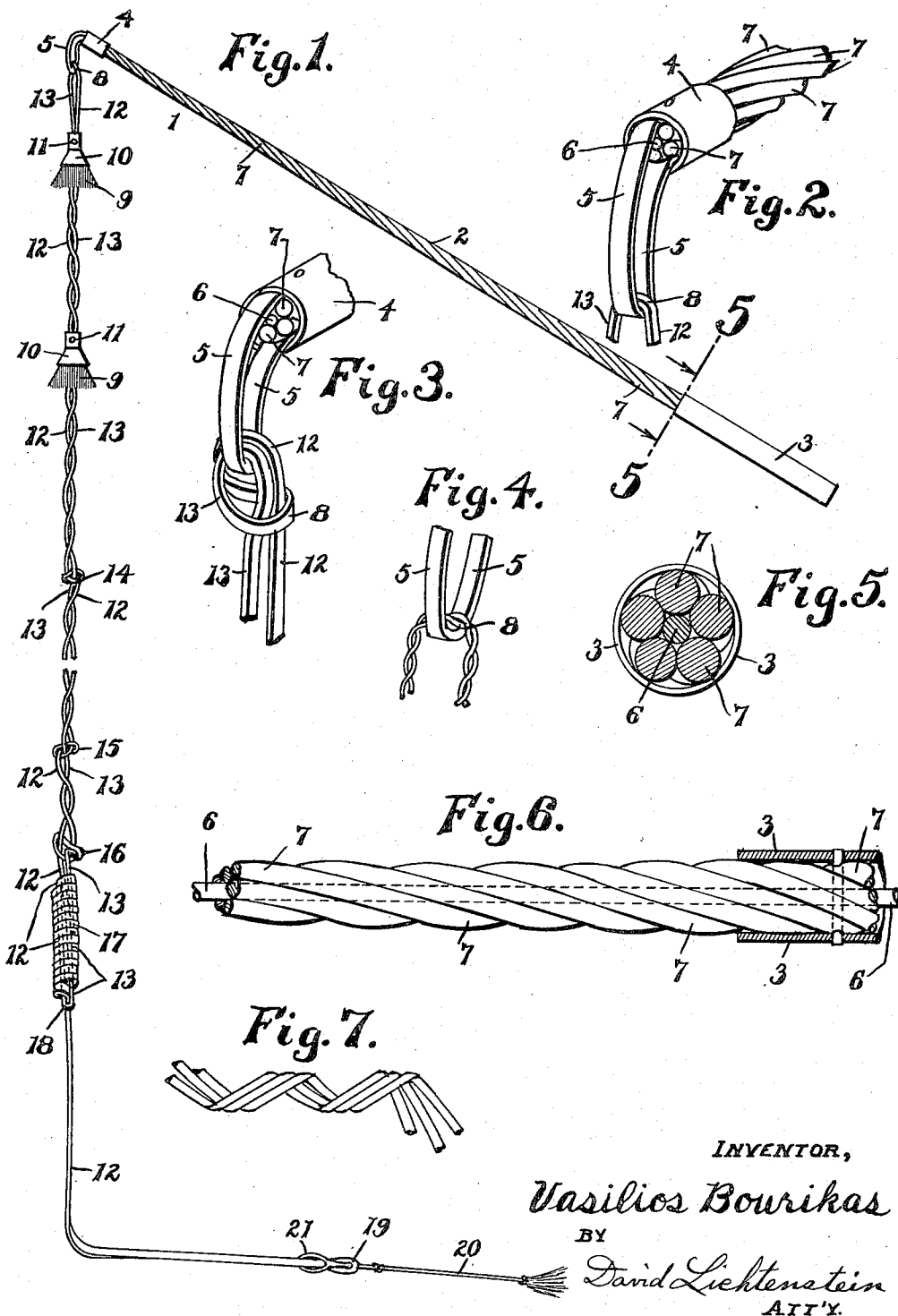


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INVENTOR,
Vasilios Bourikas
BY
David Liechtenstein
ATT'Y.

UNITED STATES PATENT OFFICE.

VASILIOS BOURIKAS, OF ACUSHNET, MASSACHUSETTS.

WHIP.

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To all whom it may concern:

Be it known that I, VASILIOS BOURIKAS, a subject of the King of Greece, and a resident of Acushnet, in the county of Bristol and State of Massachusetts, have invented a new and useful Whip, of which the following is a specification.

My invention relates to a new and useful improvement in whips, and the object of the same is to provide a durable whip in which the lash may be either temporarily or permanently attached to the stock and may be made of any desired length for allowing the required reach.

Another object is to provide a whip with an exceptionally strong lash which is constructed of skins or hides and is capable of producing a loud sounding snap when the same is forcibly thrust outward or cast into the air for attracting the attention of the animals being driven, without having to strike them for the purpose.

Another object is to provide a simple whip which has a flexible loop on the upper end of the same, to which is secured a lash made of calf-skin strips which are twisted or braided with any desired number of strands and knotted at intervals, terminating in a single strip portion, to which is secured the common type of tassel cord,—thereby furnishing a whip which is capable of withstanding considerable use and which can produce a loud whistle and report when cast into the air.

Another object is to provide a whip which has a yielding stock constructed of malacca, ratan, bamboo, or other such yielding rods, twisted about a yielding metallic core, the ends of all being secured within metallic sleeves which hold them firmly together and in set position,—one of said sleeves serving as the handle for the whip-stock and the other serving to couple the engaging loop, to which the lash is secured, with the stock.

Still another object is to provide a whip which has a lash constructed of twisted or braided calf-skin strands, which may be readily repaired when broken, without changing the appearance or impairing the strength of the same.

To these as well as other ends, my invention consists in the novel features of construction, combination and arrangement of parts hereinafter described and claimed and illustrated in the accompanying drawing.

Referring to the drawing Figure 1, is a

view showing the whip complete, with the twists in the lash loosely wound and exaggerated for better indicating the make-up of the lash. Fig. 2, is a perspective view of the upper end of the whip-stock, showing the flexible engaging loop secured within the collar member provided at the end of the stock and the engaging end of the lash secured to said loop in the manner shown in Fig. 1. Fig. 3, is the same view as Fig. 2 but shows a modified method of securing the lash to the loop for permitting the lash to be disengaged from the loop when desired. Fig. 4, is a view showing the lash-engaging end of the loop engaging with a twisted or braided lash in place of the single loop strand shown in Figs. 1 and 2. Fig. 5, is a section taken on line 5—5 in Fig. 1, looking in the direction of the arrows, showing the whip-stock-core surrounded by the twisted rods, the ends of all of which are secured within the handle-sleeve of the whip-stock. Fig. 6, is an enlarged view of the whip-stock showing the twists of yielding rods of ratan, bamboo, or similar material, wound about the yielding metallic core-rod, the ends of which are shown fitted within and pinned to the handle-sleeve, which is shown sectioned. Fig. 7, is a view showing three strands twisted together for strengthening the lash, in the place of the two shown in Fig. 1,—the drawings showing the twists partly unwound for better indicating the manner in which the same is made up.

Like numerals refer to like parts throughout the several views of the drawing.

In the drawing, the numeral 1, in its entirety, represents a whip which consists of the whip-stock 2 which is provided with the handle-sleeve 3 on the lower end of the same, and the top collar 4 at the top of the same which secures the engaging loop 5 to the whip-stock, as shown in Figs. 1, 2 and 3.

The whip-stock 2 is constructed of the central core-rod 6 which is metallic (such as brass or steel) and possesses yielding qualities. Around the central core 6 are twisted the rods 7, which may be of ratan, bamboo, or other such material, and of any shaped cross-section and preferably tapering toward the top of the whip. The rods 7 are fitted within the handle-sleeve 3 and pinned in position therein, and twisted and wound about the core-rod 6, as shown in Figs. 2 and 6, and again secured and pinned within the collar member 4 at the top, including therein

the ends of the engaging loop 5 of the whip-stock. The rods 7 are treated to remain in such twisted position and may be varnished or otherwise coated; thus furnishing a whip-stock of an attractive appearance and of exceptional wearing and yielding qualities.

The lash is constructed of calf-skin strips, which may be made preferably of rectangular cross section, starting with the loop-end 8, as shown in Fig. 1, and entering the tassel ornament 9, which consists of colored fringes incased in the metallic section 10 which may be pinned at 11, or otherwise suitably secured to the lash. The strands 12 and 13 of the lash are then twisted for a suitable distance and knotted, over which knot a second tassel ornament 9 may be secured in the same manner already described in the case of the first one. The strands 12 and 13 are then again twisted for an appreciable distance and again knotted with a tight knot 14. Then again, the strands 12 and 13 are twisted for an appreciable distance (say six inches or more) and knotted with a tight knot 15. As many such twisted and knotted sections may be provided as is found necessary, according to the length of the lash desired. Leaving the knot 15, the strands 12 and 13 are again twisted and knotted at 16 when the end 17 of the strand 13 is terminated, while the other strand 12 is continued down to form the loop 18 and returning back to the top, is then wound and wrapped in spool fashion about the end 17 and finally strung through the loop 18, as shown in Fig. 1 of the drawing. The same is then continued in single strand the desired distance and terminates in the button-hole end 19, at which end is secured the common type of end tassel 20, which is also provided with a button-hole end 21, as is commonly used in connection with ordinary whips.

Fig. 4, shows a modified lash provided with a twisted loop end, of two strands, which may be united at the tassel 10 and continued down through the lash 4 strands in section.

Having thus described the parts of my invention in detail, it may be observed that the same offers a very serviceable and lasting whip for drovers,—the whip-stock possessing yielding qualities and at the same time being constructed to overcome any abuse that the same may be subjected to in ordinary use without danger of breaking or getting out of order, as is the case with the common types of whips. Also, the lash, which may be made of any desired length or of any number of strands to suit the conditions under which the whip is to be used, with the knots and other features provided in the same, converts the lash into an instrument which, when cast into the air, will produce a loud and attractive whistle and report, which is considered a valuable fea-

ture in whips. The peculiar construction of the lash, which is made of lasting material, offers a very durable and serviceable whip which is cheap to construct and which may be easily repaired when necessary. Thus it may further be observed, that any desired length of lash may be made to suit the particular conditions for which the same is intended. The strands of skins or hides are twisted or braided, as the case may be, while the same are green or oily, and are allowed to settle into the twisted or braided state. By oiling the lash from time to time, the same may be kept soft and flexible, and will permit of loud sounding whistles and reports to be made with the same when cast into the air.

While the preferred embodiments of the invention have been described in detail, it must be understood that I do not wish to be limited to the particular construction set forth, since various changes in the form, proportion and arrangement of parts and in the details of construction may be resorted to without departing from the spirit and scope of the invention.

Having thus described the invention, I claim:—

1. A whip of the character described, consisting of a core; a plurality of yielding rods twisted and wrapped adjacent to each other about said core; a metallic sleeve member adapted to secure the lower ends of said core and said yielding rods within same; a flexible loop member; a collar member adapted to secure said loop member and the upper ends of said core and said yielding rods within the same; a flexible lash secured to said loop member, twisted in multiple strands and knotted to form a plurality of sections terminating in a single strand provided with an engaging loop at the end of the same; and a tassel member engaging with said engaging loop of said lash, substantially as shown.

2. A whip of the character described, consisting of a yielding whip-stock, formed from a central core, a plurality of yielding rods, twisted about said central core, a handle-sleeve securing the lower ends of said core and said rods within same and a collar member provided with a flexible lash-engaging-loop adapted to secure the upper ends of said core and said rods within same; and a flexible leather lash engaging with said loop of said whip-stock and formed from a plurality of strands which are twisted and knotted in sections along the length of the lash,—said sections terminating with a spool-winding inclosing and containing the extremities of all of said strands but one, which continues beyond said winding and terminates in a button-hole end provided with a whip-tassel-cord secured thereto, substantially as shown.

3. A whip of the character described, consisting of a yielding whip-stock of twisted rods of yielding material, a central yielding metallic core included within said twisted rods, a metallic sleeve member adapted to secure the lower ends of said core and said twisted rods within same, a flexible loop-member adapted to be secured to the top of said whip-stock, and a metallic collar member adapted to secure the free ends of said flexible loop member and the upper ends of said core and said twisted rods within same; and a flexible lash provided with tassel orna-

mentations and secured to said loop-member, said lash being constructed to multiple strands twisted and knotted at intervals to form a plurality of sections and finally terminating in a single strand which extends beyond said sections and which is provided with a whip-tassel-cord at its free end, substantially as shown.

VASILIOS BOURIKAS.

Witnesses:

SERAPHIM G. CANOUTAS,
GEORGE P. PAPAIOANNOU.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."