No. 632,580. Patented Sept. 5, 1899.

H. B. MACARTNEY.

FLAG.

(Application filed July 5, 1898.)

(No Model.)

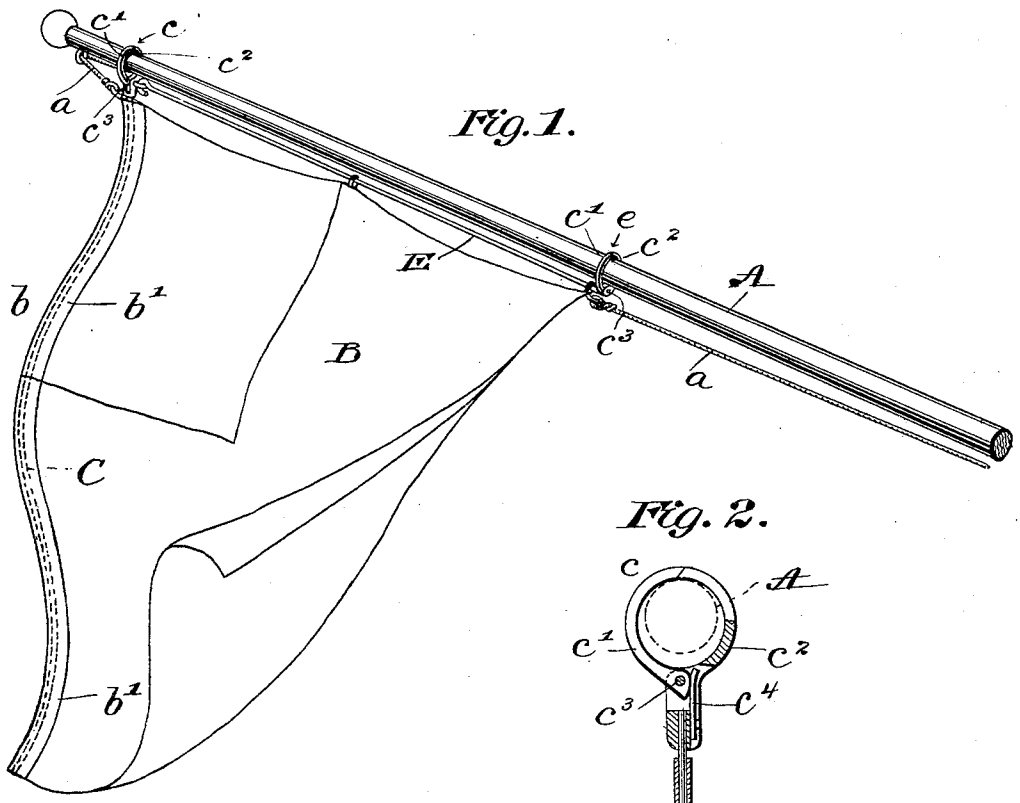

Fig. 1.

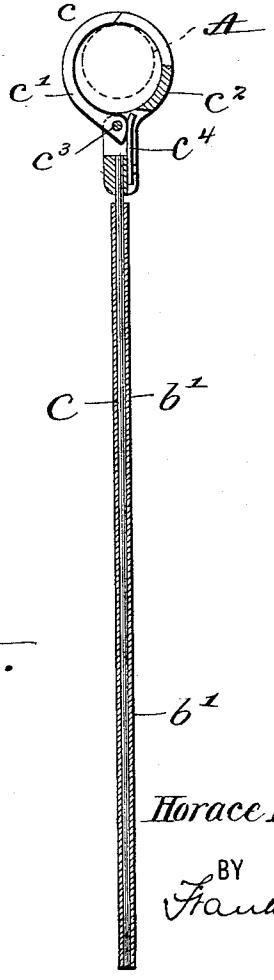

Fig. 2.

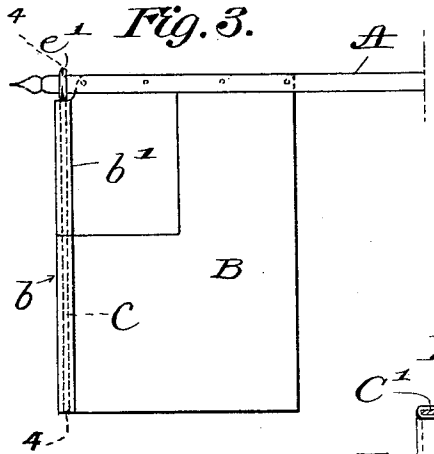

Fig. 3.

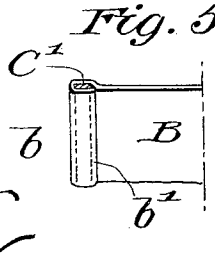

Fig. 5.

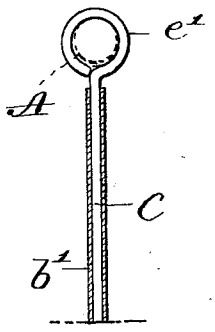

Fig. 4.

WITNESSES:

Alfred B. Westrup

John. J. Riaplagun

INVENTOR

Horace B. Macartney.

BY

Frank S. Ober

ATTORNEY

UNITED STATES PATENT OFFICE.

HORACE B. MACARTNEY, OF NEW YORK, N. Y.

FLAG.

SPECIFICATION forming part of Letters Patent No. 632,580, dated September 5, 1899.

Application filed July 5, 1898. Serial No. 685,091. (No model.)

To all whom it may concern:

Be it known that I, HORACE B. MACARTNEY, a citizen of the United States, residing at New York, in the county of Kings and State of New York, have invented certain new and useful Improvements in Flags, Banners, and the Like, of which the following is a full, clear, and exact description.

My invention relates to flags, banners, signs, and the like, and has for its object the production of a cheap and simple means whereby such articles may be effectually prevented from wrapping about their supporting poles or staves or becoming entangled in their halyards; and the invention consists, broadly, in the combination of a pole or staff or other support, a sheet of flexible material supported thereby, and a wire or flat strip of other suitable material extending along one or more edges of said sheet, the flexibility of said wire being less than that of said sheet.

In the accompanying drawings, Figure 1 is a perspective view illustrating my invention. Fig. 2 is a sectional view thereof. Fig. 3 is a side elevation illustrating a modified form of my invention. Fig. 4 is a section taken on line 4 4 of Fig. 3. Fig. 5 is a detail showing a slight modification.

Referring to the drawings by letter, A represents a staff or pole of usual construction, and B the flag or other flexible sheet, which is supported thereon by halyards *a*. Along the edge *b* of the flag I form a pocket *b'*, preferably extending from end to end thereof and inclosing a length of wire C. In order that the flag itself may not be subjected to undue strain and wear by the weight of the wire, I provide the inner end of said wire with a loop or ring *c*, adapted to embrace the pole A and support the flag at this point. As it is desirable at times to remove the flag entirely from its staff, I make the ring *c* in two parts c' and c^2, hinged together at c^3, as shown, and adapted to be readily spread apart and slipped on and off the staff or pole, as desired, a spring c^4 normally maintaining the two members of the ring or loop in the closed position illustrated.

For ordinary purposes I find the construction as above described quite sufficient to accomplish the object of my invention; but where very large flags, signs, &c., are used I find it advantageous to add the supplemental wire or strip E, which, as indicated in Fig. 1, connects with ring *c* (or wire C) and extends in a direction at right angles thereto and terminates in a ring *e*, similar in construction to that of ring *c*. Ring *e* also embraces the pole A and constitutes, together with ring *c* and wire or strip E, a sliding frame to which the flag may be attached, either at its corners or at intermediate points, or both.

Fig. 3 shows a flag permanently attached to its staff. In this case the inner end of the wire C, extending through the pocket *b* in the edge of the flag, is formed into a simple loop *e'*, surrounding the pole.

It is not desirable that the wire C be perfectly stiff, the best results being obtained by the use of a wire of such weight and such degree of stiffness that while the waving motion of that portion of the flag to which it is attached may be resisted or retarded and the outer end of the flag effectually prevented from overreaching the staff or pole it shall at the same time be sufficiently flexible in itself as to wave in long sinuous curves under the influences of slight breezes. The wire of course may be attached to either of the long edges of the flag or to both such edges. I prefer, however, to attach it to one edge only, leaving the other edge perfectly free, the blending of the short rapid wave motions of the free edge and the sinuous curvings of the wired edge giving an exceedingly graceful and pleasing effect.

Having described my invention, I claim—

1. The combination of a staff, pole, or other support, a flexible sheet, such as a flag, attached thereto, a pocket extending along said sheet in a direction substantially at right angles to said support, a wire or strip of other flexible material adapted to be moved in sinuous or wave-like curves inclosed within said pocket, and having a loop or ring thereon embracing said support, all substantially as and for the purpose described.

2. The combination of a staff, pole or other support, a flexible sheet, such as a flag, attached thereto, a wire or strip of other suitable material extending along said sheet and having a loop or ring thereon embracing said

staff or pole, a similar ring located adjacent the opposite edge of said flexible sheet and a wire or rod connecting said rings.

3. The combination of a staff, pole or other support, a flexible sheet such as a flag, attached thereto, a wire or strip of other suitable material extending along one edge of said sheet and having a loop or ring thereon composed of two hinged members adapted to be spread apart against the tension of a spring, a second and similar loop or ring located adjacent the opposite edge of said flexible sheet, and a wire or rod connecting the two said rings.

In witness whereof I subscribe my signature in presence of two witnesses.

HORACE B. MACARTNEY.

Witnesses:

JOHN I. TRAPHAGEN,

ALFRED B. WESTRUP.