

F. LE B. BEDWELL.
SUPPORT FOR TELEGRAPH CABLES.

No. 490,534.

Patented Jan. 24, 1893.

Fig. 1.

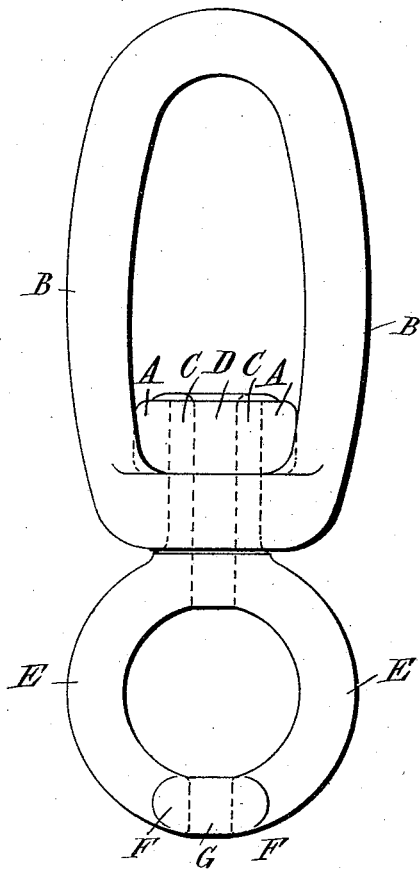


Fig. 3.

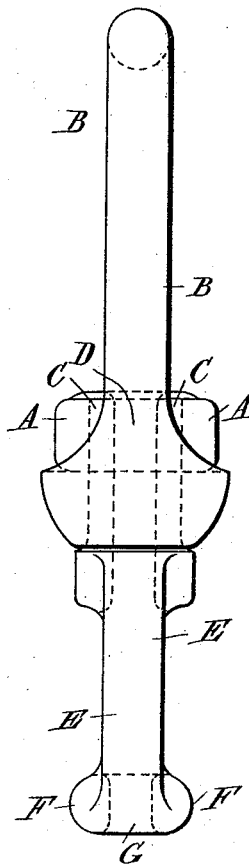
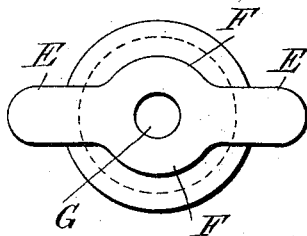


Fig. 2.



Witnesses:

J. A. Rutheford.
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Inventor:

Frederick Le Breton Bedwell.
By James L. Norris.
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Fig. 4

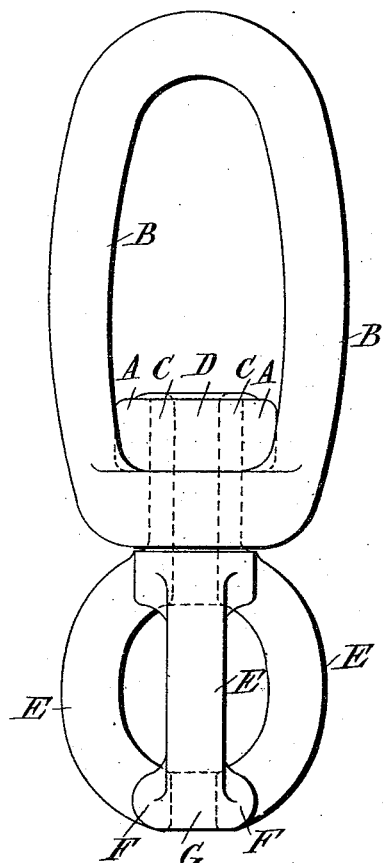


Fig. 6.

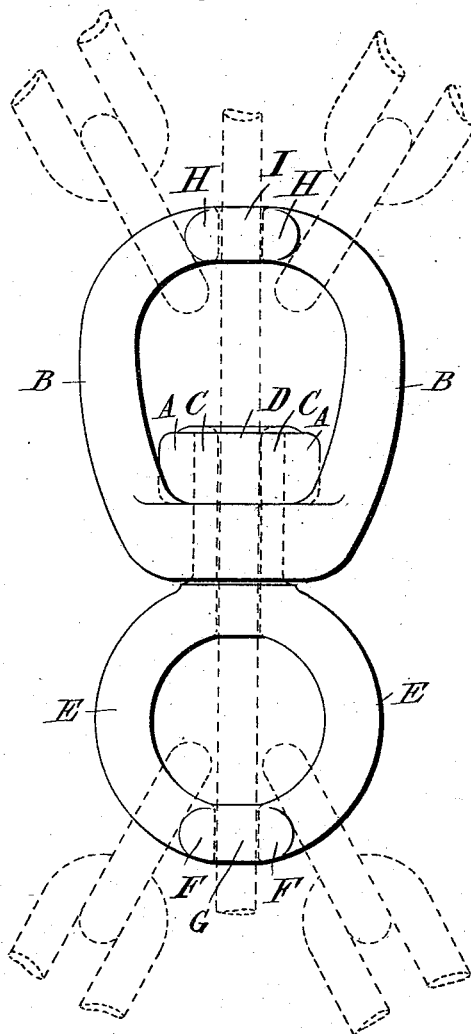
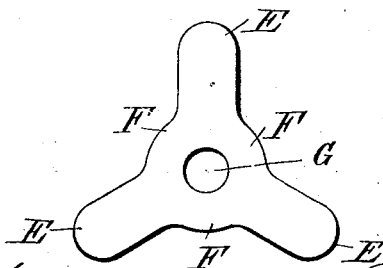


Fig 5



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UNITED STATES PATENT OFFICE.

FREDERICK LE BRETON BEDWELL, OF LONDON, ENGLAND.

SUPPORT FOR TELEGRAPH-CABLES.

SPECIFICATION forming part of Letters Patent No. 490,534, dated January 24, 1893.

Application filed September 26, 1892. Serial No. 446,896. (No model.) Patented in England July 21, 1892, No. 13,380.

To all whom it may concern:

Be it known that I, FREDERICK LE BRETON BEDWELL, a subject of the Queen of Great Britain, and a resident of 38 Old Broad Street, in the city of London, England, have invented certain new and useful Improvements in Devices for Preventing Injury to Telegraph-Cables, (for which I have obtained a patent in Great Britain, No. 13,380, dated July 21, 1892,) of which the following is a full, clear, and exact specification, reference being made to the accompanying drawings, in which—

Figure 1 is a side elevation of a device constructed according to my invention for preventing injury to telegraph cables. Fig. 2, is a plan view of the same. Fig. 3, is an edge view of the same. Fig. 4, is a side elevation showing a modification of the invention. Fig. 5, is a detail plan view of the boss at the lower end of the eye exhibited in Fig. 4, and Fig. 6, is a detail elevation showing another modification.

For the purpose of my invention I employ an improved mooring swivel A to the loop link B, the pin C of which swivel has a central hole D. Figs. 1, 3, 4 and 6. On the lower part of the eye E of the swivel a boss F is formed. Figs. 1, 2, 3, 4, 5 and 6. This boss F is in line with the axis of the hollow pin C and is of such size and diameter that it will keep the shackles of the mooring chains apart. Through the center of this boss a hole G is made (in line with that in the pin C) through which the telegraph cable has a fair lead thus avoiding the danger of its being nipped by

the shackles of the mooring chains. The lower part of the swivel may also be constructed with three or more eyes so that three or more mooring chains can be shackled to it (see Figs. 4 and 5.) The loop link or upper part of the swivel may also be made with a boss H (Fig. 6) having a hole I made through its center (in line with that in the pin C) through which the telegraph cable has a fair lead when two riding chains are used, viz, one from each hawse pipe of the ship.

What I claim and desire to secure by Letters Patent is

A device for connecting telegraph cables with vessels, &c., consisting of the loop link B having an opening at one end, the eye E having the boss F provided with an orifice G for the passage of a telegraph cable, and the tubular pin C extending through the opening at one end of the link and swiveling the eye thereto, said tubular pin being located approximately in coincidence with the orifice in the boss of the eye, substantially as and for the purpose described.

In witness whereof I have hereto signed my name, in the presence of two subscribing witnesses, this 3d day of September, 1892.

FREDERICK LE BRETON BEDWELL.

Witnesses:

EDWARD SMITH FOOT,
Accountant, 38 Old Broad Street, London,
E. C.

WILLIAM D. THOMSON.
38 Old Broad Street, E. C.