

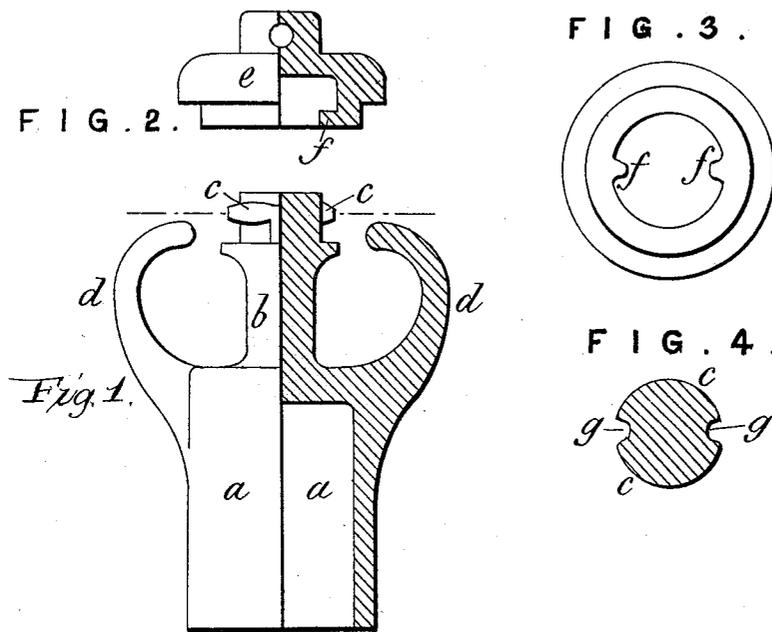
(No Model.)

L. DOVE.

POLE CRAB.

No. 366,385.

Patented July 12, 1887.



Witnesses.

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UNITED STATES PATENT OFFICE.

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POLE-CRAB.

SPECIFICATION forming part of Letters Patent No. 366,385, dated July 12, 1887.

Application filed February 21, 1887. Serial No. 222,609. (No model.) Patented in England May 27, 1886, No. 7,135.

To all whom it may concern:

Be it known that I, LIONEL DOVE, a subject of the Queen of Great Britain, residing at Montague Buildings, West Road, West Ham, in the county of Essex, England, engineer, have invented certain new and useful Improvements in Pole-Crabs, (for which I have obtained a patent in Great Britain, No. 7,135, dated May 27, 1886,) of which the following is a specification.

This invention has for its object to provide a novel pole-crab for carriages and wagons, whereby open hooks or loops for the harness breast straps or chains can be quickly opened and closed and the straps prevented from being accidentally disengaged.

The object of my invention I accomplish by the features of construction and combination of devices hereinafter described and claimed, reference being made to the accompanying drawings, in which—

Figure 1 is a sectional elevation of a pole-crab constructed according to my invention, the cap being detached. Fig. 2 is a sectional view of the cap; Fig. 3, a bottom plan view of the cap; and Fig. 4, a sectional view taken on the line *yy*, Fig. 1.

In order to enable those skilled in the art to make and use my invention, I will now describe the same in detail, referring to the drawings, where—

The letter *a* indicates the pole crab shank having a socket to receive the end of the pole, and provided with two curved open hooks or loops, *d*, which the usual harness breast straps or chains are adapted to engage by slipping the same over the free ends of the loops or hooks. The shank is constructed with a stem, *b*, extending outwardly between the hooks and provided at its end with inclined flanges *e*,

having recesses or spaces *g* between them. To close the open hooks and thereby prevent the accidental disengagement of the breast straps or chains, I provide a flanged hollow cap, *e*, having upwardly-projecting lugs *f*, adapted to pass through the recesses *g*, and by the rotation of the cap to then pass under and engage the inclined faces of the flanges. This construction detachably connects the cap to the head of the stem by a bayonet-joint. The cap is preferably provided with a hole, Fig. 2, to receive a lever by which to turn the cap and thereby wedge the latter in place on the stem to firmly connect the parts. The flange of the cap when on the stem overlaps the ends of the hooks and closes them, so that the breast straps or chains cannot accidentally slip off.

Having thus described my invention, what I claim is—

1. A pole-crab consisting of the shank *a*, provided with rigid stationary hooks *d*, having open outer ends, and a stem, *b*, extending forward between the outer open ends of the hooks and at a distance therefrom, and the cap *e*, detachably secured to the outer end of the stem, and having a flange to close the outer open ends of the hooks, substantially as described.

2. A pole-crab consisting of a shank, *a*, having two open loops or hooks, *d*, and a stem, *b*, projecting outward between the hooks or loops and provided at its outer end with flanges *e*, and a cap, *e*, having lugs *f*, to engage said flanges, substantially as described.

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