J. S. Brown,
Removable Head for Capstans

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PATENTED JUL 4 1871

Fig 2

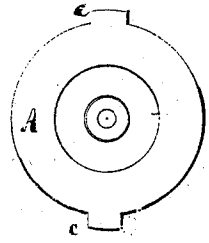


Fig: 1.

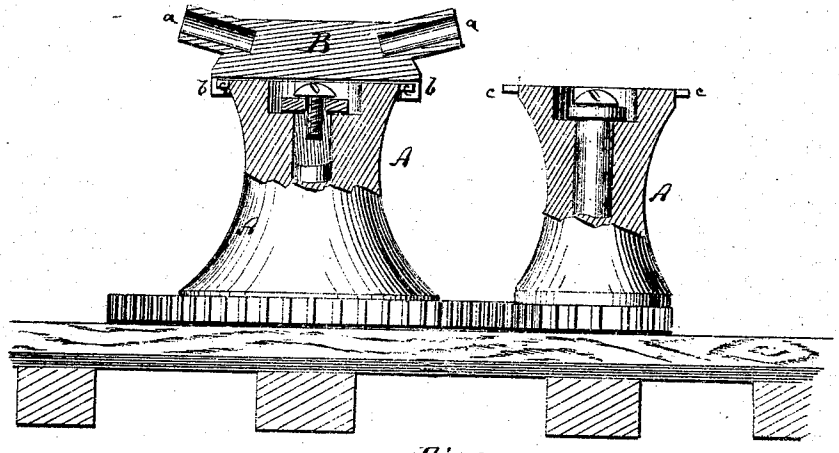
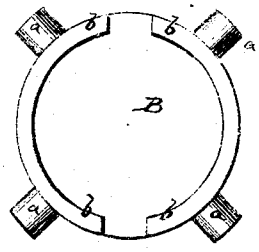


Fig: 3



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UNITED STATES PATENT OFFICE.

JOHN S. BROWN, OF SCHENECTADY, NEW YORK.

IMPROVEMENT IN CAPSTANS.

Specification forming part of Letters Patent No. 116,548, dated July 4, 1871.

To all whom it may concern:

Be it known that I, JOHN S. BROWN, of Schenectady, in the county of Schenectady and State of New York, have invented a new and Improved Removable Head for Capstans; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification, in which—

Figure 1 represents a side elevation, partly in section, of a capstan provided with the removable head. Fig. 2 is a top view of the capstan. Fig. 3 is an inverted plan view of the head.

Similar letters of reference indicate corresponding parts.

This invention has for its object to provide capstans for ships or other purposes with removable heads to which the levers for rotating them are applied.

Capstans are usually provided with series of sockets for the reception of the operating-levers; and if two or more capstans are used on one vessel or apparatus, the sides of each one are pierced for the reception of the levers. The body of the capstan is weakened by the sockets, and made expensive besides; and, furthermore, by the old arrangement two capstans of equal size could not be put near together, as room for the length of the levers had to be left between them.

My invention consists in the improvements upon capstans, hereinafter fully described and subsequently pointed out in the claim.

A in the drawing represents a capstan of suitable size and shape connected with suitable gearing or other machinery, but made without sockets for the reception of the working levers. B is a block, of cylindrical or other shape, and such size that it can be put upon the capstan, as in Fig. 1. The block B has projecting or receding sockets *a a* for the reception of the operating-levers, and has downwardly-projecting ears *b b*, which strike projecting lugs *c* of the capstan to revolve the same when it is turned by the levers. The block or head B can readily be taken off the capstan and put upon another, so that one head will serve a number of capstans; thereby, furthermore, two capstans can be placed close together, the head being used on either, and the levers being thereby held above the one not used. In place of the ears *b* and lugs *c*, equivalent connections, such as grooves and tenons, pins, or other devices, may be used.

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

The combination of the two windlass-bases with one another and with the single removable cap, which can be used on either base for varying the speed and power, all arranged so that the bases can be placed closer together, as when provided with independent caps.

JOHN S. BROWN.

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