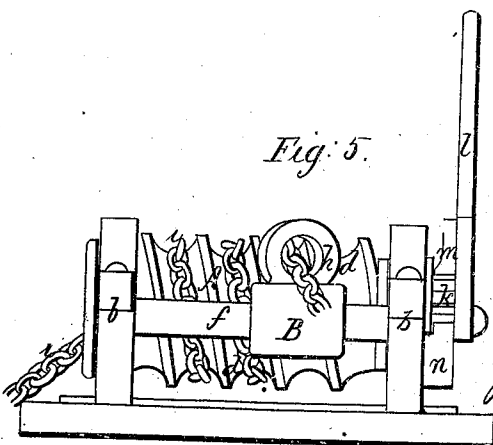
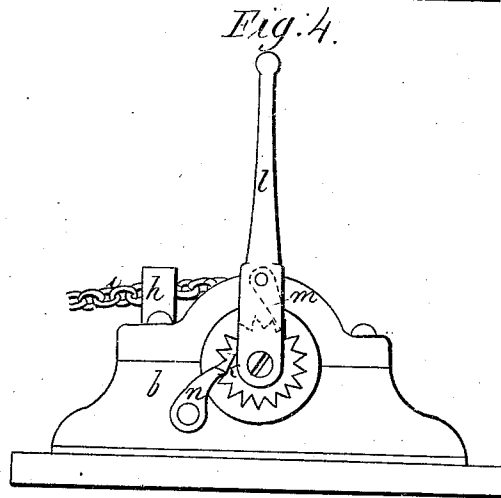
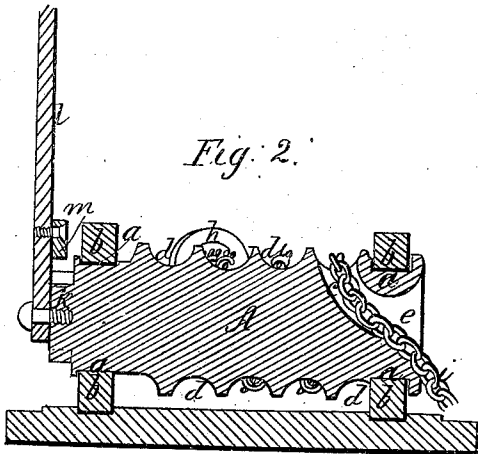
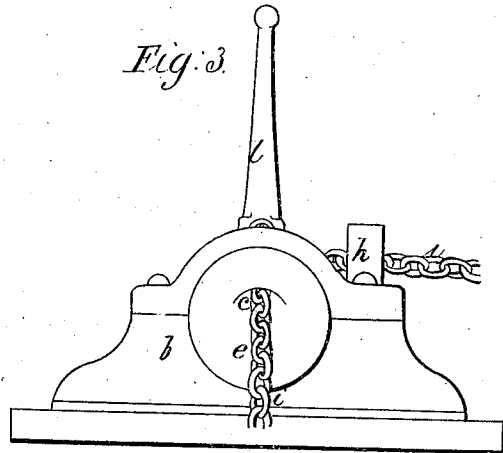
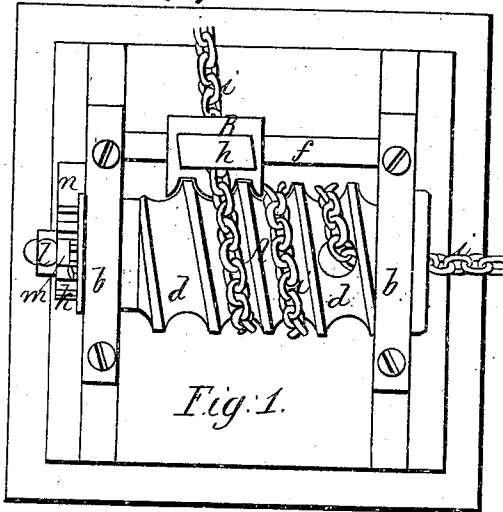


W. D. Baker.

Capstan.

N^o 93,793.

Patented Aug. 17, 1869.



Witnesses;
S. N. Piper
J. Brown

Inventor;
Wm. D. Baker.

by his attorney.

H. H. H.

United States Patent Office.

WILLIAM D. BAKER, OF EAST ABINGTON, MASSACHUSETTS.

Letters Patent No. 93,793, dated August 17, 1869.

IMPROVED CHAIN-STOPPER.

The Schedule referred to in these Letters Patent and making part of the same.

To all persons to whom these presents may come:

Be it known that I, WILLIAM D. BAKER, of East Abington, of the county of Plymouth, and State of Massachusetts, have invented a new and useful Chain-Stopper; and do hereby declare the same to be fully described in the following specification, and represented in the accompanying drawings, of which—

Figure 1 is a top view,
Figure 2, a longitudinal section,
Figures 3 and 4, end elevations, and
Figure 5, a rear elevation of it.
In such drawings—

A denotes a shaft, having its journals *a a* supported in bearings or standards *b b*.

A groove, *d*, is made helically around the said shaft, and there is a passage, *c*, leading from such groove through one end of the shaft, such end being chambered or formed with a trumpet-mouth, as shown at *e*.

Furthermore, on a rail or bar, *f*, arranged alongside of the helix-groove, and supported by the standards *b b*, is a slider, *B*, which slides freely on the bar, projects into the helical groove, and is provided with an eye, *h*, to receive the anchor-chain *i*, which, after passing through the eye, is led through the passage *c*.

A ratchet, *k*, is fixed on the opposite end of the shaft.

A lever, *l*, pivoted to the shaft, carries an impelling-pawl, *m*, to act with the ratchet.

Furthermore, a retaining-pawl, *n*, pivoted to the next adjacent standard, also engages with the ratchet.

By means of the lever, and the impelling-pawl and ratchet, the shaft, with its helical groove, may be revolved, in order to wind the chain, more or less, about the shaft and in the groove, and thereby increase the friction on the chain, while the latter may be "running out." The more the shaft is revolved, the more the movable guide *B* will be moved laterally, so as to guide the chain into the helix-groove, and prevent one of the coils from overriding another.

I claim as my invention the following, viz:

I claim the shaft *A*, as made with the helix-groove *d* extending around it, and with the passage *c* leading from such groove through one end of the shaft, as specified.

I also claim the combination and arrangement of the guide-block *B*, and its supporting-bar *f*, with the chain-stopper shaft *A*, made with the helix-groove, and the passage leading therefrom, as explained.

I also claim, in combination with the movable chain-guide *B*, and chain-stopper shaft *A*, made with a helix-groove, *d*, and a passage, *c*, leading therefrom, in manner as set forth, a mechanism substantially as described, or its equivalent, for revolving the shaft, and maintaining it in position, as explained, such mechanism being the ratchet, the lever, and pawls, applied as described.

WILLIAM D. BAKER.

Witnesses:

R. H. EDDY,
S. N. PIPER.