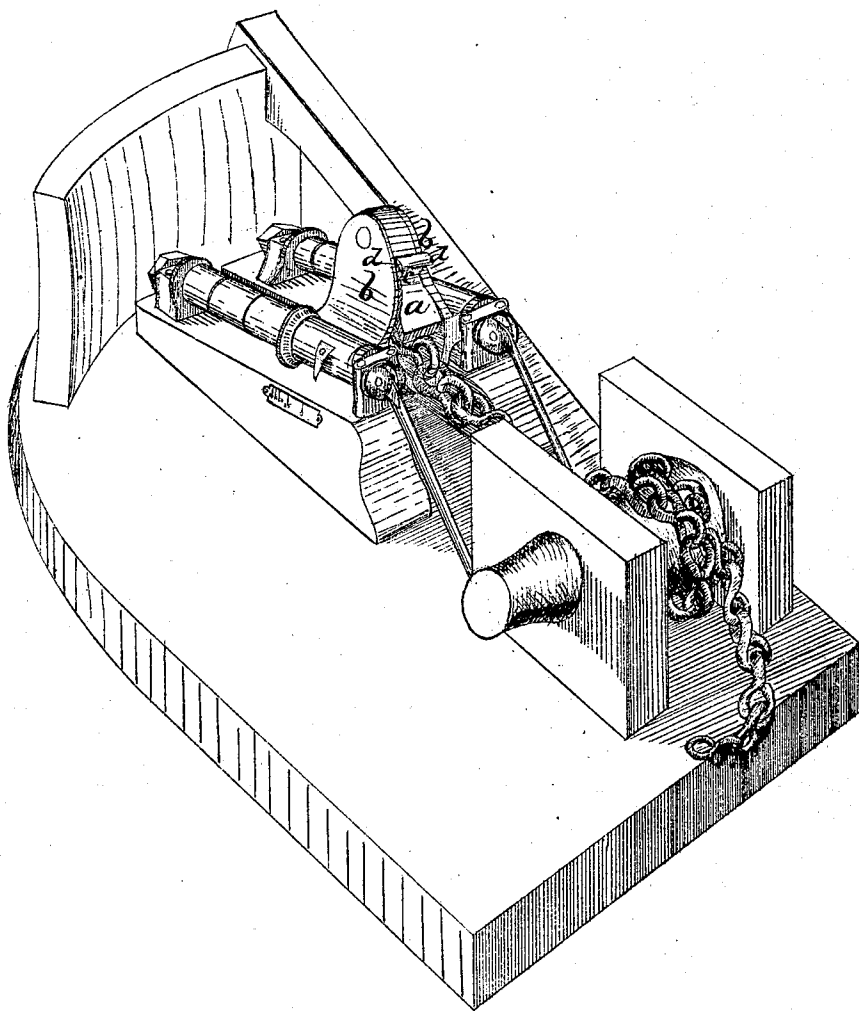


E.R.Cheney.
Impt in Chain Cable Stoppers.

No. 123,152.

Patented Jan. 30, 1872.



Witnesses.
J. B. Hiddet.
M. W. Frothingham.

E. R. Cheney,
by his Attys.
Crosby & Gould.

UNITED STATES PATENT OFFICE.

ETHAN R. CHENEY, OF BOSTON, MASSACHUSETTS, ASSIGNOR TO EMERY
AND CHENEY CHAIN-STOPPER COMPANY, OF ROCKLAND, MAINE.

IMPROVEMENT IN CHAIN-CABLE STOPPERS.

Specification forming part of Letters Patent No. 123,152, dated January 30, 1872; antedated January 29, 1872.

To all whom it may concern:

Be it known that I, ETHAN R. CHENEY, of Boston, in the county of Suffolk and State of Massachusetts, have invented an Improvement in Chain-Cable Stopper Mechanism; and I do hereby declare that the following, taken in connection with the drawing which accompanies and forms part of this specification, is a description of my invention sufficient to enable those skilled in the art to practice it.

United States Letters Patent Nos. 104,425 and 106,031, and reissue No. 3,838 of United States Letters Patent No. 94,950, have been granted to John J. Emery and myself, for improvements in chain-cable stopper mechanism.

In such mechanism the chain is held by a pawl, which is pivoted to bearings having provision for yielding movement under strain, against elastic cushions. Although such mechanism is admirably adapted to holding the chain and permitting the pawl to yield under strain and is now extensively in use, there has always been some difficulty attending the disconnection of the chain from the pawl, when the chain was to be released.

To remedy this difficulty is the object of my invention, and I accomplish the result desired by making the pawl with a shouldered top piece or lug under one of the projections of

which the end of a pry-bar or lever may be thrust, so that by prying down upon the outer end of the lever, the pawl may be thrown up. It is this construction of the pawl that constitutes my present invention.

The drawing represents a chain-cable stopper mechanism embodying the improvement. *a* denotes the pawl, pivoted in bearings *b*, and arranged to operate in nipping, and holding the chain precisely as shown in the patents referred to. The pawl is cast with a top projection, *c*, from each side of which extends an arm, *d*, which arm forms the lug under which the lever or bar is inserted to pry up the pawl and free the chain or release it from the bite of the pawl.

By this construction, the pawl may be easily started, however severe may be the strain upon the chain. The pawl may be made with only one laterally-projecting lug, but I prefer the construction with a lug at each side.

I claim—

In a chain-cable stopper mechanism, a pawl made with the lifting lug or lugs, substantially as shown and described.

E. R. CHENEY.

Witnesses:

FRANCIS GOULD,
M. W. FROTHINGHAM.