

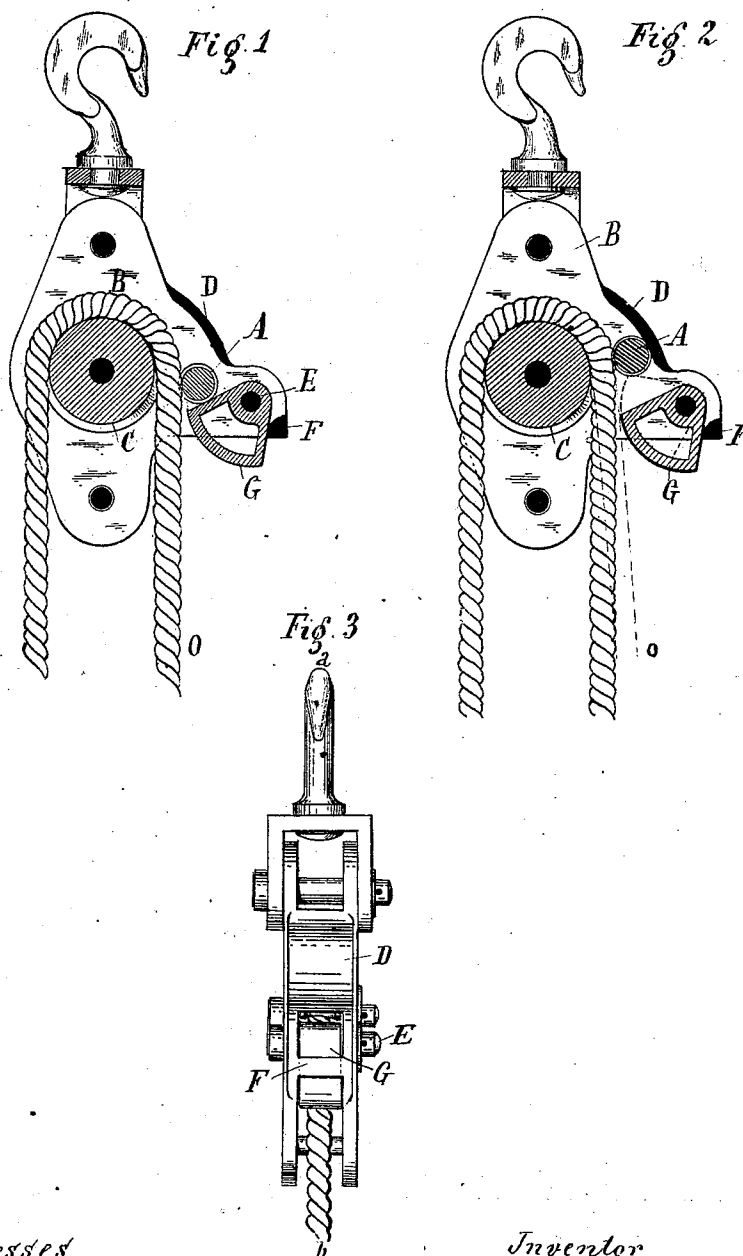
(No Model.)

H. P. J. KESSLER.

AUTOMATIC LOCKING DEVICE FOR TACKLES.

No. 512,380.

Patented Jan. 9, 1894.



Witnesses
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UNITED STATES PATENT OFFICE.

HEINRICH PHILIPP JACOB KESSLER, OF OBERLAHNSTEIN, GERMANY.

AUTOMATIC LOCKING DEVICE FOR TACKLES.

SPECIFICATION forming part of Letters Patent No. 512,380, dated January 9, 1894.

Application filed May 18, 1892. Serial No. 433,494. (No model.) Patented in Germany July 18, 1891, No. 62,875, and in Austria-Hungary January 11, 1892, No. 2,875 and No. 47,364.

To all whom it may concern:

Be it known that I, HEINRICH PHILIPP JACOB KESSLER, a subject of the King of Prussia, residing at Oberlahnstein, Germany, have
5 invented a new and useful Self-Acting Rope-Locking Device for Tackles, (for which I have obtained a patent in Germany, No. 62,875, bearing date July 18, 1891, and in Austria-Hungary, No. 2,875 and No. 47,364, bearing
10 date January 11, 1892,) of which the following is a specification.

The object of this invention is to lock, or retain automatically, raised loads.

In the accompanying drawings which form
15 part of the specification, Figure 1 is a longitudinal sectional view on the line *a-b* of Fig. 3 showing the rope jamming or locking device out of use. Fig. 2 is a similar view but with actuated rope jamming device. Fig. 3 is a
20 rear view of the same.

In all figures similar letters of reference indicate the same parts.

The rope jamming or locking device consists of a casing B with cap D, loose roller A
25 and segment G, bearing against stay or stop F. The rope O is laid over the pulley C in such a manner that the drawing rope comes to hang on the side of the roller A. When the load is raised the drawing or pulling person occupies
30 such a position that the drawing rope

slides over the segment G. When the load is to be stopped or locked, the drawing-rope is allowed to go back; the latter then takes along with it the segment G turning about the pivot
E, and the segment presses the roller A be- 35
tween the rope A and the cap D so that the roller A following the motion of the rope, jams the latter and prevents the lowering or sliding down of the load. When the load or the
empty load-rope is to be let off, the rope O is 40
released by pulling the drawing-rope; the latter is then brought in a vertical position in which it does not touch longer the segment G.

Having now described the nature of my invention, I claim—

In a self acting rope jamming or locking
45 device for tackles the combination of a rope pulley with a casing in such a manner that a jamming space is formed on the side of the drawing rope, said jamming space converging
50 toward upward, a roller situated loosely into said space, and an eccentric cam; especially as and for the purpose set forth.

In testimony whereof I sign this specification in the presence of two subscribing wit- 55
nesses.

HEINRICH PHILIPP JACOB KESSLER.

Witnesses:

JEAN GRUND,

ALVESTO S. HOGUE.