

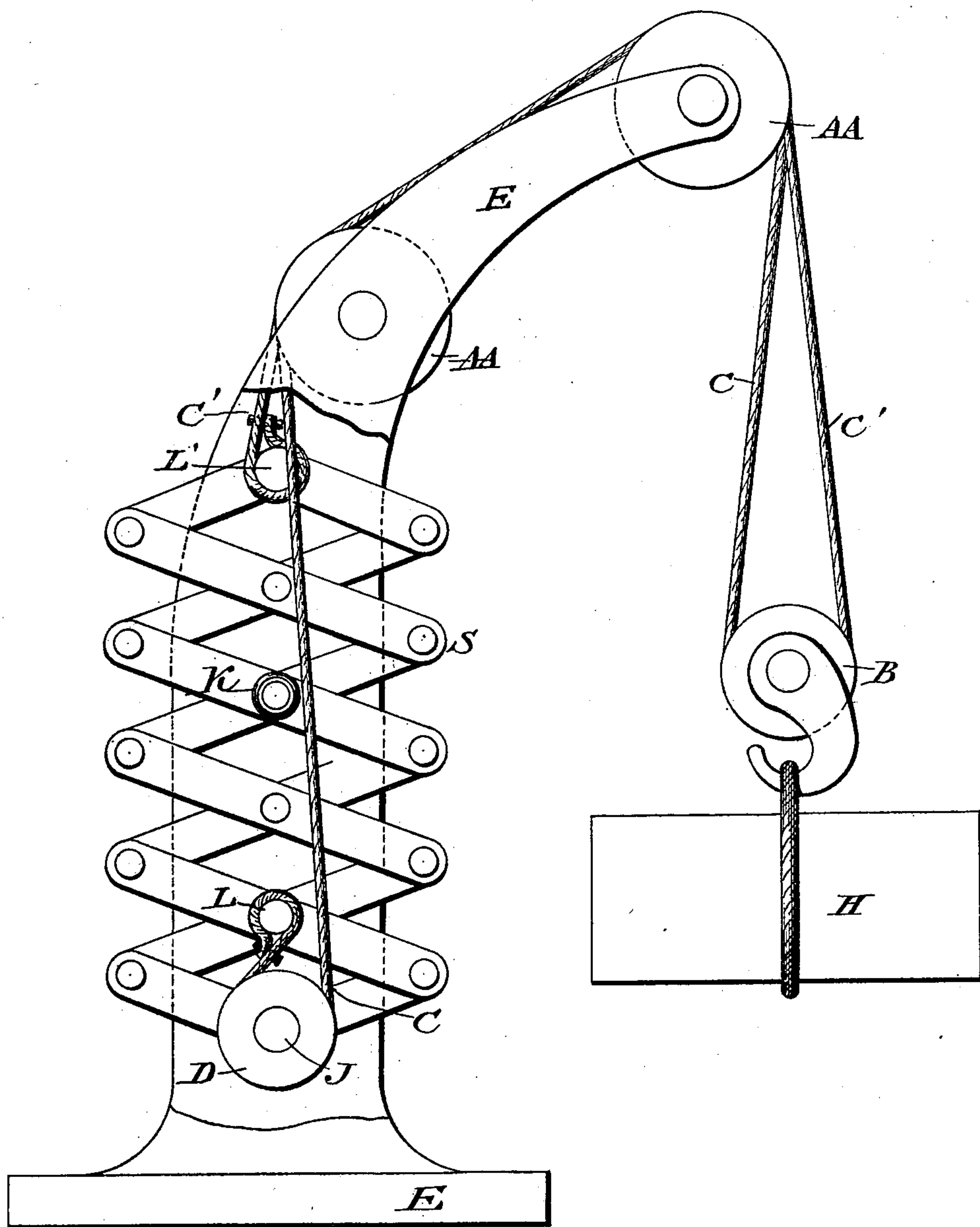
No. 626,868.

Patented June 13, 1899.

A. B. RONEY.
HOIST.

(Application filed June 22, 1899.)

(No Model.)



Witnesses.

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Joseph J. Hannon
Geo. W. Broad

Inventor.

Alexander. B. Roney

UNITED STATES PATENT OFFICE.

ALEXANDER B. RONEY, OF CHICAGO, ILLINOIS.

HOIST.

SPECIFICATION forming part of Letters Patent No. 626,868, dated June 13, 1899.

Application filed June 22, 1898. Serial No. 684,190. (No model.)

To all whom it may concern:

Be it known that I, ALEXANDER B. RONEY, a citizen of the United States, residing at Chicago, county of Cook, and State of Illinois, have invented a new and useful Improvement in Hoists, of which the following is a specification.

The object of my invention is to so balance the load in hoisting apparatus as to be self-sustaining. I attain this object by mechanism, as illustrated in the accompanying drawing, in which the figure is a view in elevation of all the working elements of the device.

Within the standard E is a lazy-tongs S, having links pivotally connected together and a stationary pivot connecting the lazy-tongs to the standard at J. The lazy-tongs S is adapted to be folded up and spread apart when operated, but none of the various means for the operation are shown in the view, save the hand operating-stud K. The lazy-tongs S is connected at LL' with the terminals CC' of the cable, which passes over the directional sheave-wheels A A A A and D, hanging with a loop embracing the sheave-wheel B,

which sustains the weight H. Weight H causes a strain on the cable, which divides along both sides C C' of the loop, thence to the lazy-tongs at the pivotal connections LL', and there straining and counterstraining the extension of the lazy-tongs in maintaining the weight H in suspension. The lazy-tongs connected with the looped cable constitutes an endless system, which is shortened up to raise and lengthened out to lower the weight H.

What I claim as my invention, and desire to secure by Letters Patent, is—

In a hoist, in combination, a standard, a lazy-tongs having links pivotally connected together, and a stationary pivot connecting the lazy-tongs to the standard, and a cable having a loop and having one of its ends connected to one of the pivotal connections of the lazy-tongs, and its other end to another one of the pivotal connections of the lazy-tongs; substantially as described.

ALEXANDER B. RONEY.

Witnesses:

S. H. KENNEDY,
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