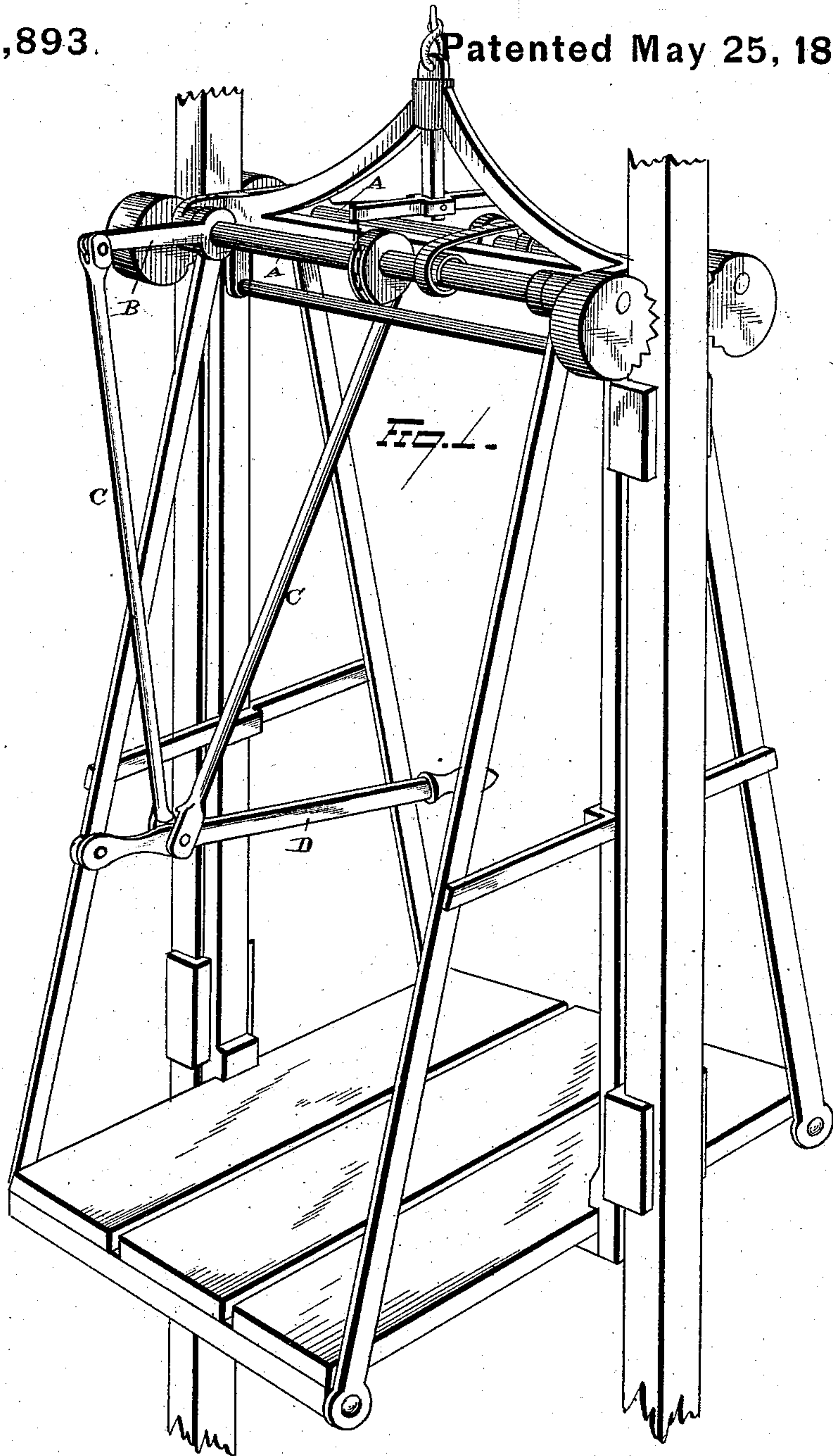


C. H. GOLDING.
Elevator.

No. 227,893.

Patented May 25, 1880.



WITNESSES
E. Hottingham
A. M. Bright.

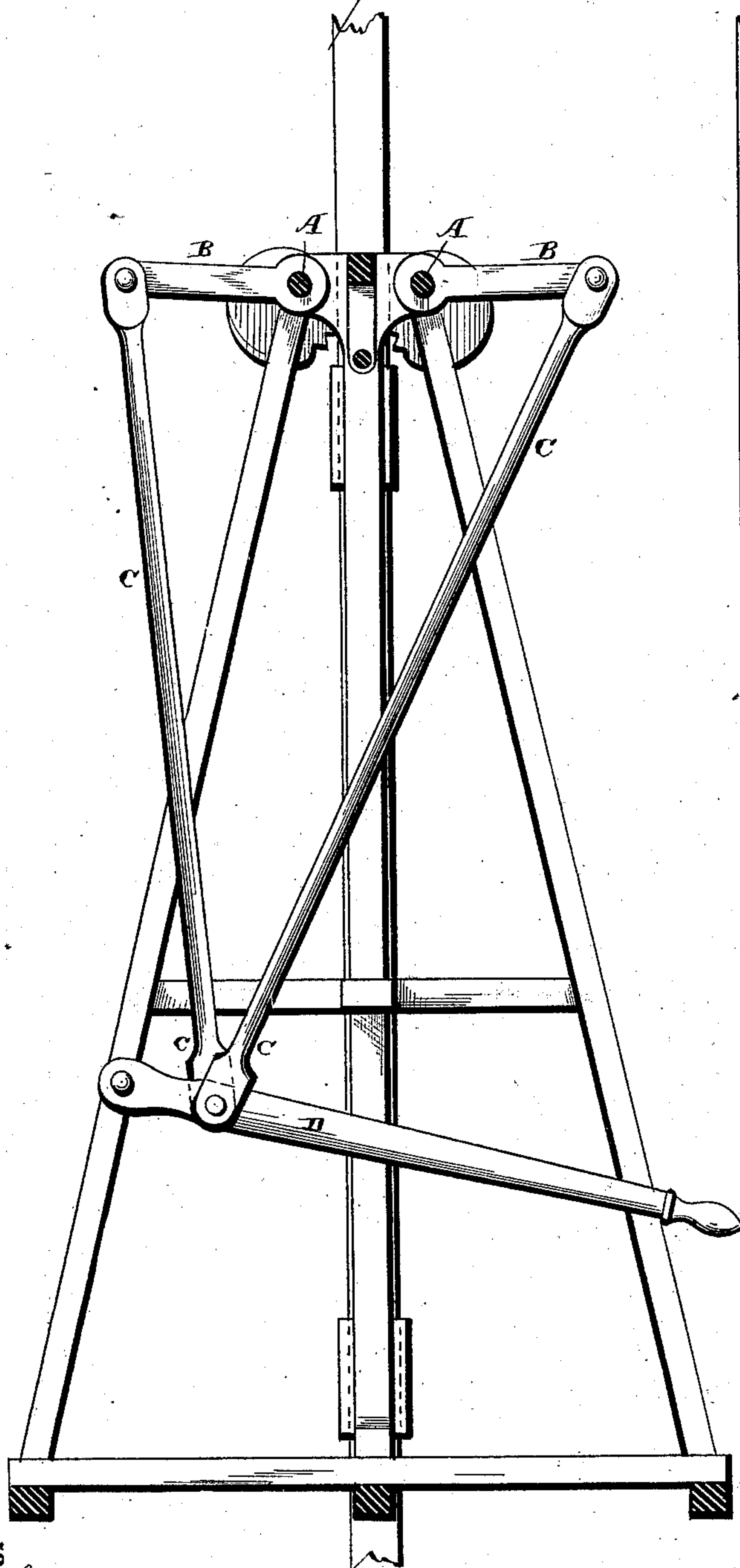
INVENTOR
C. H. Golding.
By H. A. Symmon.
ATTORNEY

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Elevator.

No. 227,893.

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Fig 2.



WITNESSES
E. Hollingham
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ATTORNEY

UNITED STATES PATENT OFFICE.

CHARLES H. GOLDING, OF BODIE, CALIFORNIA.

ELEVATOR.

SPECIFICATION forming part of Letters Patent No. 227,893, dated May 25, 1880.

Application filed January 22, 1880.

To all whom it may concern:

Be it known that I, CHARLES HENRY GOLDING, of Bodie, in the county of Mono and State of California, have invented certain
5 new and useful Improvements in Elevators; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form a part of this specification.

My invention relates to that class of elevators which are provided with means whereby the cage is automatically clamped in stationary position when the hoisting rope or
15 chain breaks.

The object of the invention is to provide improved mechanism adapted to permit any person who may be in the cage to stop and hold
20 the latter while suspended in the shaft without the assistance of the engineer.

The invention consists, first, in the combination, with a rotary cam-shaft journaled in the cage, said cam-shaft having an arm rigidly secured thereto, of a hand-actuating lever and connecting-rod pivoted to the hand-
25 lever and arm in the crank-shaft, whereby, the hand-lever being actuated, the cam-shaft is turned in its bearings, and the serrated cams or eccentrics secured thereto are forced in contact with the stationary guideways, thereby serving to check the movement of the cage.

Referring to the drawings, Figure 1 is a perspective view. Fig. 2 is a vertical sectional view, showing one inner side of the
35 cage in elevation.

The cage may be made of any suitable con-

struction, and is provided with two rotary cam-shafts, A, the latter being adapted to clutch with the guides of the shaft, so as to
40 automatically clamp the cage upon breakage of the hoisting rope or chain. Each of these shafts is provided with a laterally-projecting arm, B, to the free end of which is pivoted a connecting-rod, C. The rods extend down-
45 ward, and are connected to a hand-lever, D, which latter is pivoted to the side of the cage. By operating this lever any person in the cage may readily arrest the latter in its travel and hold it in a stationary position without the aid
50 of the engineer or others.

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

1. The combination, with a shaft journaled
55 in an elevator-cage and provided with serrated eccentrics or cams, of a hand-lever pivoted to the cage and a connecting-rod attached at one end to the hand-lever and at the other end to an arm secured to said shaft, substantially as set forth.

2. In an elevator, the combination, with two rotary cam-shafts, each provided with a laterally-projecting arm, of a hand-lever pivoted
65 to the side of the cage and rods which respectively connect the lever with said arms, substantially as set forth.

In testimony that I claim the foregoing I have hereunto set my hand.

CHARLES HENRY GOLDING.

Witnesses:

S. W. MOORE,
T. C. SHARP.