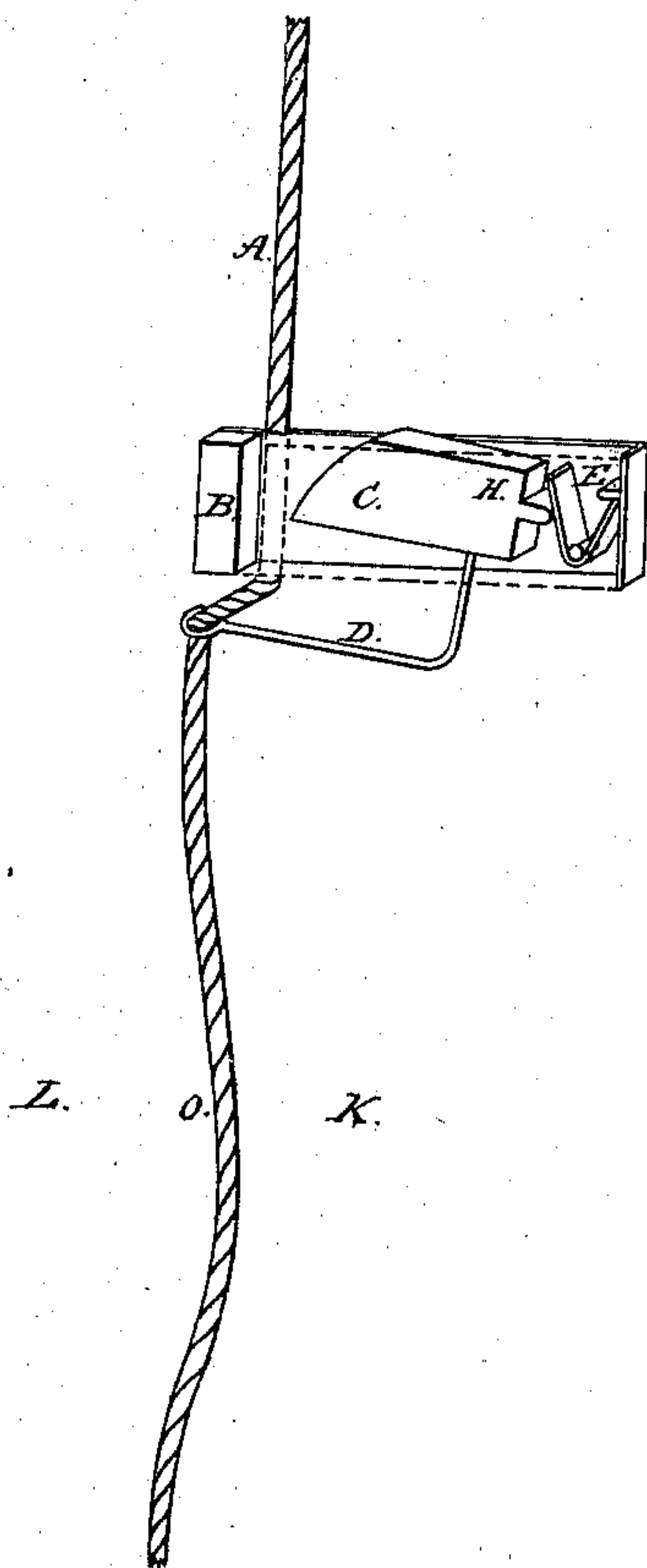


J. H. Kinsman,
Curtain-Cord Tightener,
N^o 42,198. Patented Apr. 5, 1864.



Witnesses;
A. H. R. Kentland
Thos. F. Harwood

Inventor;
John H. Kinsman

UNITED STATES PATENT OFFICE.

JOHN H. KINSMAN, OF UNITED STATES ARMY, AT PRESENT AT DAVID'S ISLAND, NEW YORK.

IMPROVED WINDOW BLIND AND CURTAIN FIXTURE.

Specification forming part of Letters Patent No. 42,198, dated April 5, 1864.

To all whom it may concern:

Be it known that I, JOHN H. KINSMAN, acting assistant surgeon U. S. Army, at present stationed at David's Island, in the county of Westchester and State of New York, have invented a new and useful article for maintaining at any desired height curtains, windows, Venetian blinds, &c.; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing, making a part of this specification.

The nature of my invention consists in arranging a cam or "eccentric" in such a manner that when moved in the proper direction by the cord or cords which sustain curtains, windows, Venetian blinds, &c., they are firmly retained at any desired height by the pressure of the eccentric or cam upon the cord or cords.

In the annexed drawings, C represents the cam or eccentric turning upon the pivot H, and retaining by pressure between itself and the opposing surface B the cord A O, which sustains the curtain, window, or Venetian blind. This cam or eccentric is held in position by

the spring E, and is made to retain or release the cord or cords A O when acted upon by it or them through the medium of the lever D. The portion B is formed of rubber or some other elastic material, to allow the cord A O to be more firmly grasped between it and the eccentric C.

The operation of this article is as follows: To release the cord A O, draw it downward and at the same time toward K. The curtain, blind, &c., may then be freely lowered or raised. To retain it at any height, draw the cord in the direction of L and then release it.

I claim as my invention—

The combination of the eccentric C, acted upon by the cord A O through the medium of the lever D, or its equivalent, the elastic opposing surface B, the spring E, for the purpose of retaining in position the cam C either when the said cam is retaining the cord in place or allowing it to pass, as and for the purpose specified.

JOHN H. KINSMAN.

Witnesses:

A. H. R. KERTLAND,
THEO. F. HARWOOD.