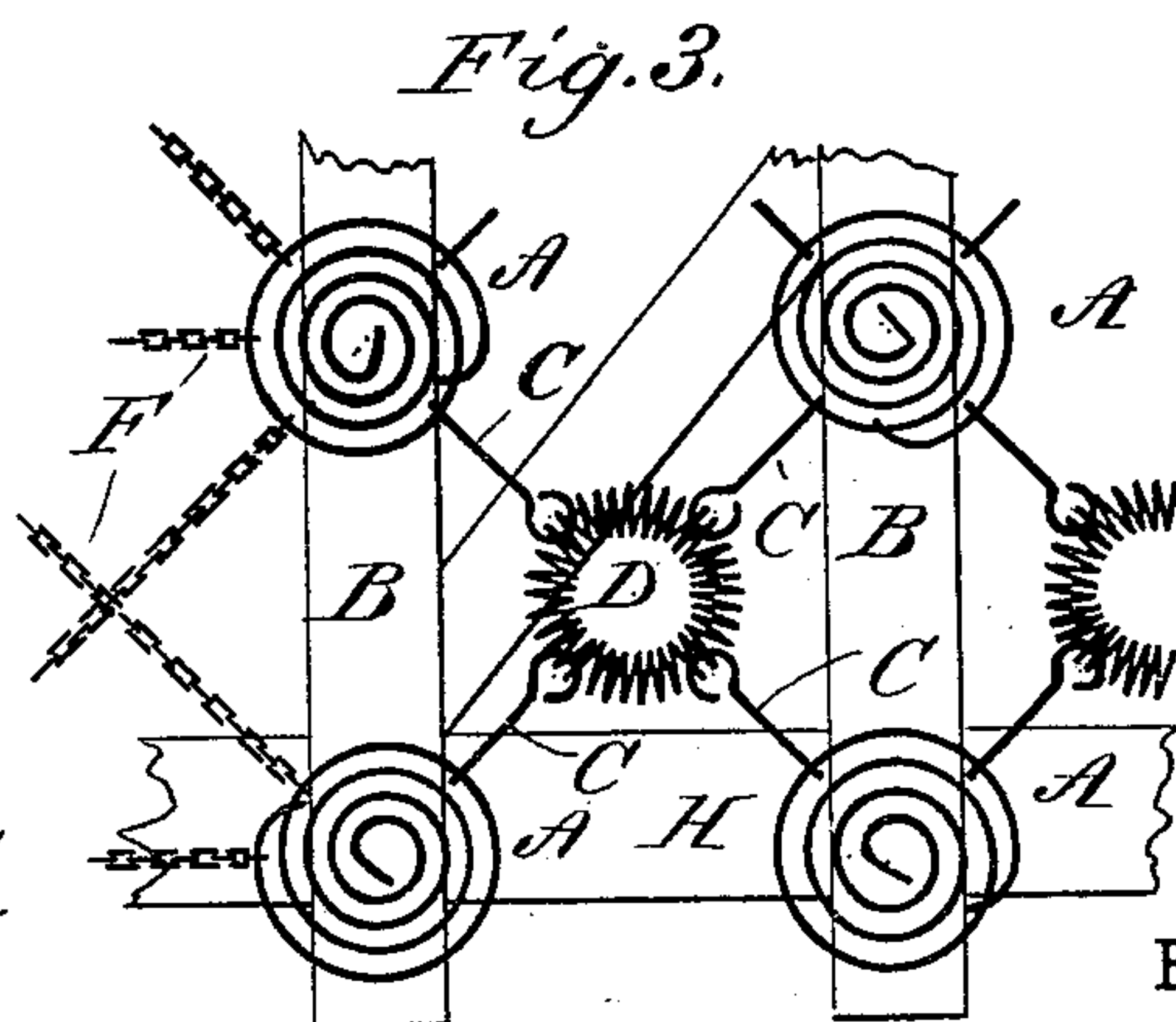
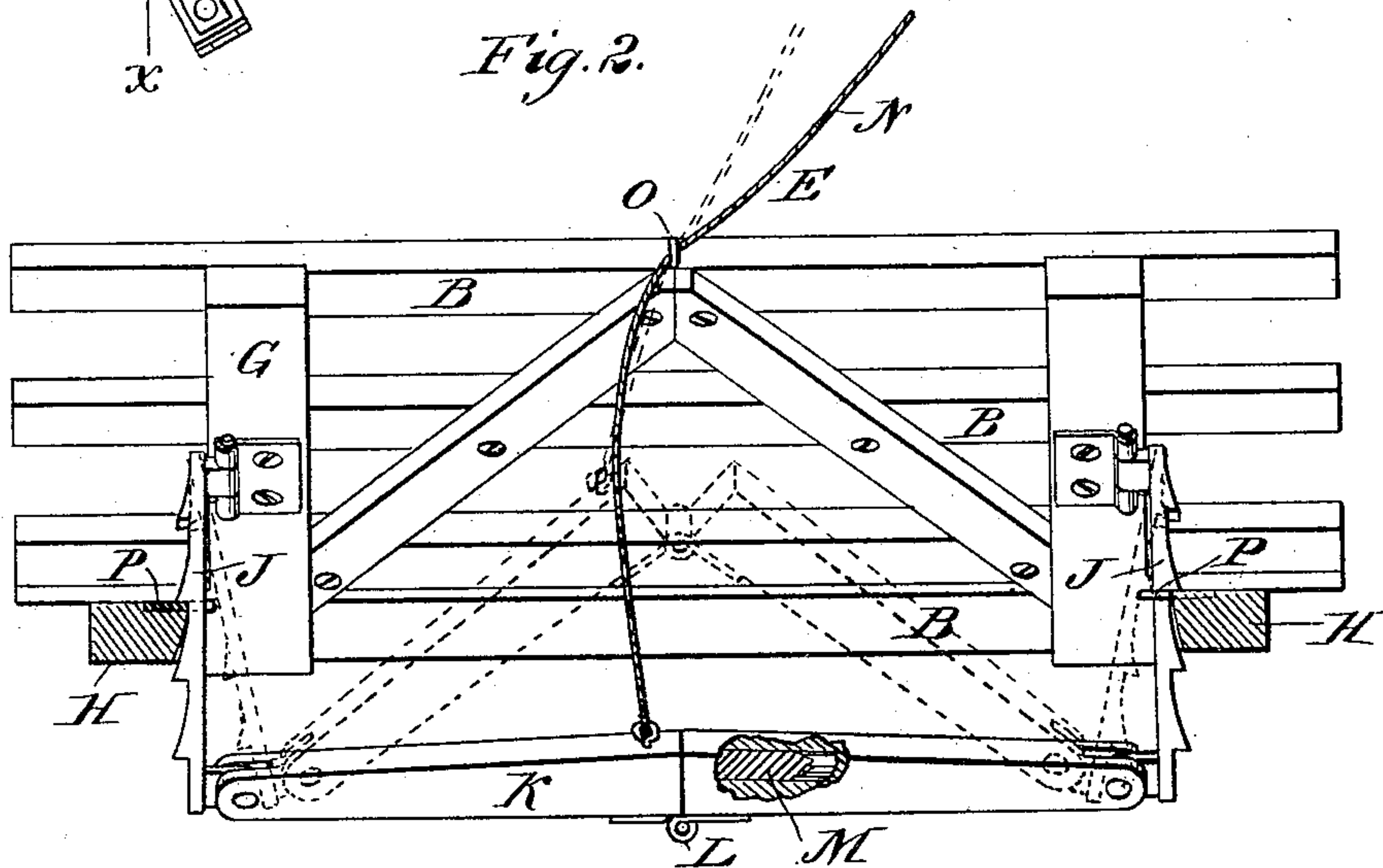
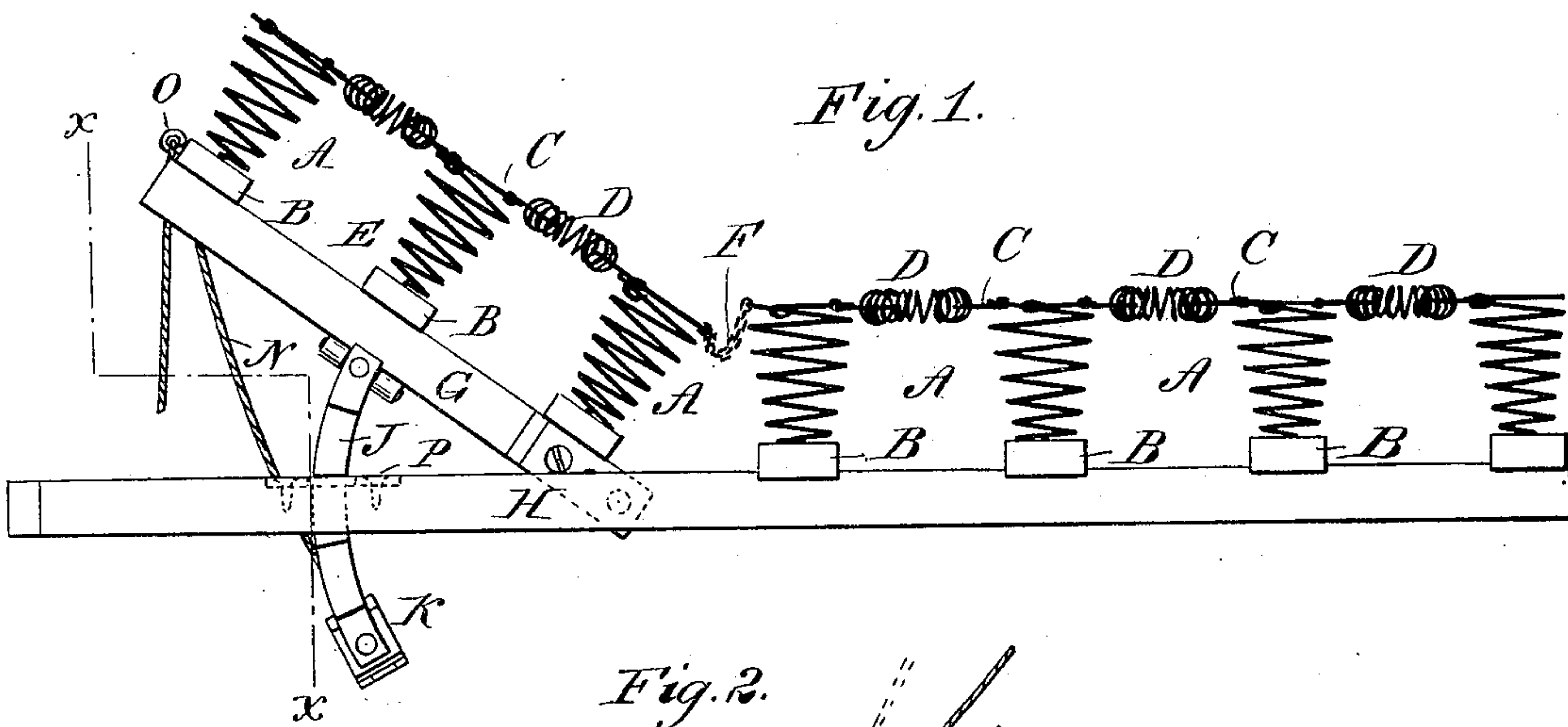


(No Model.)

U. MILLER.  
SPRING BED BOTTOM.

No. 266,497.

Patented Oct. 24, 1882.



WITNESSES:

Down Twitchell.  
C. Sedgwick

INVENTOR:

U. Miller  
BY  
Mum & Co  
ATTORNEYS.

# UNITED STATES PATENT OFFICE.

UPTON MILLER, OF MOUNT MORRIS, ILLINOIS.

## SPRING BED-BOTTOM.

SPECIFICATION forming part of Letters Patent No. 266,497, dated October 24, 1882.

Application filed May 5, 1882. (No model.)

*To all whom it may concern:*

Be it known that I, UPTON MILLER, of Mount Morris, in the county of Ogle and State of Illinois, have invented a new and Improved Spring Bed-Bottom, of which the following is a full, clear, and exact description.

The invention consists in the combination, with the springs of a bed-bottom, of links attached to these springs, and to spiral rings between these springs, and in chains connecting the springs of the pivoted head-rest with the springs of the fixed part of the bed-bottom.

The invention also consists in curved ratchet-bars hinged to the pivoted head-rest and connected at the lower ends by a hinged bar which can be raised at the middle by means of a cord to disengage the ratchet-bars to permit adjustment of the head-rests, which ratchet-bars are separated automatically by the weight of the hinged cross-bar when the same is released.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a longitudinal elevation of my improved bed-bottom. Fig. 2 is a cross-sectional elevation of the same on the line *xx*, Fig. 1. Fig. 3 is a detail plan view of part of the same.

The spiral springs A, resting on and attached to the slats B, are connected by links C, attached to the springs A, and to spiral rings D between them, as shown in Figs. 1 and 3. The springs of the hinged head-rest E are connected with the springs on the fixed part by means of chains F. The side bars or supporting-bars G of the head-rest E are pivoted to the middle bars H of the fixed part of the bed-bottom. Curved ratchet-bars J, having the teeth on the surfaces facing the side bars H, are pivoted to the side bars G of the head-rest E, and these ratchet-bars J are connected by a cross-bar, K, pivoted to the lower ends of the same, and provided with a central hinge, L, at the lower surfaces, so that the middle of this cross-bar K can be swung upward. The middle or hinged part of the cross-bar K is weighted by means of blocks M, of lead, therein, for the purpose of causing this middle part of the hinged

part to descend readily and automatically. A cord or chain, N, is attached to the middle of this hinged cross-bar K and passes through an eye, O, loop, or equivalent on the outer or swinging end of the pivoted head-rest E. Plates P, on which the teeth of the curved ratchet-bars J can catch, are attached to the upper surfaces of the fixed side rails H and project from the inner sides of the same.

The operation is as follows: If the head-rest E is to be raised or lowered, the cord E is pulled to raise the middle of the hinged cross-bar K, whereby the lower ends of the ratchet-bars J will be drawn toward each other and the racks will be disengaged from the plates P, thus permitting the head-rest to be raised or lowered, as may be desired. As soon as the cord N is released the middle of the hinged cross-bar K is lowered by its weight and presses the lower ends of the curved ratchet-bars J outward, whereby the same will be engaged with the plates P and the head-rest will be locked in position.

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

1. In a spring bed-bottom, the combination, with the spiral springs A, of the links C and the spiral rings D, substantially as herein shown and described, and for the purpose set forth.

2. In a spring bed-bottom, the combination, with the spiral springs A, of the links C the spiral rings D, and the chains F, connecting the springs of the pivoted head-rest and those of the fixed part of the bed-bottom, substantially as herein shown and described, and for the purpose set forth.

3. The combination, with a bed-bottom and its pivoted head-rest, of ratchet-bars hinged to the head-rest, and of a hinged bar connecting the lower ends of these ratchet-bars, substantially as herein shown and described, and for the purpose set forth.

4. The combination, with a bed-bottom and its pivoted head-rest, of the ratchet-bars J, hinged to the head-rest, the hinged bar K, attached to and connecting the lower ends of these ratchet-bars, and the cord N, attached to this hinged cross-bar K for raising it at the



middle, substantially as herein shown and described, and for the purpose set forth.

5 The combination, with a bed-bottom and its pivoted head-rest, of the ratchet-bars J, hinged to the head-rest, the hinged cross-bar K, and the plates P, attached to the upper surfaces of the side bars H of the bed-bottom,

substantially as herein shown and described, and for the purpose set forth.

UPTON MILLER.

Witnesses:

WILLIAM H. MILLER,  
JOHN T. STEWART.