

(Model.)

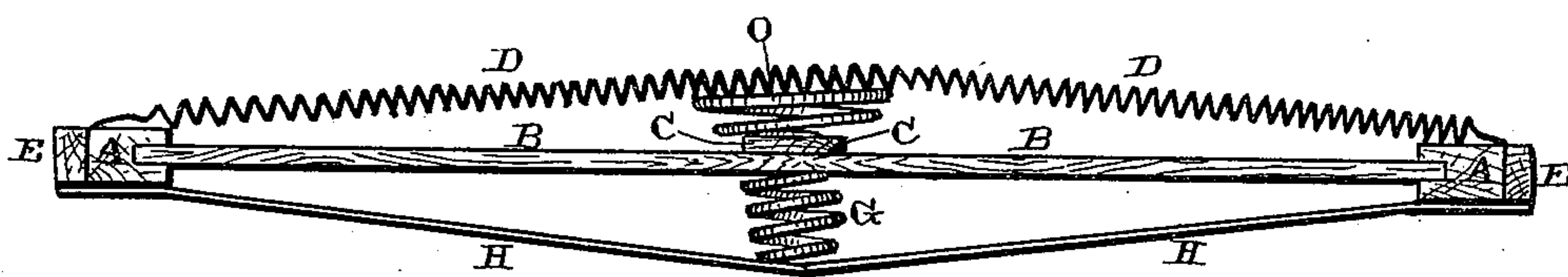
L. H. HOOD & C. CHRISTMAS.

SPRING BED BOTTOM.

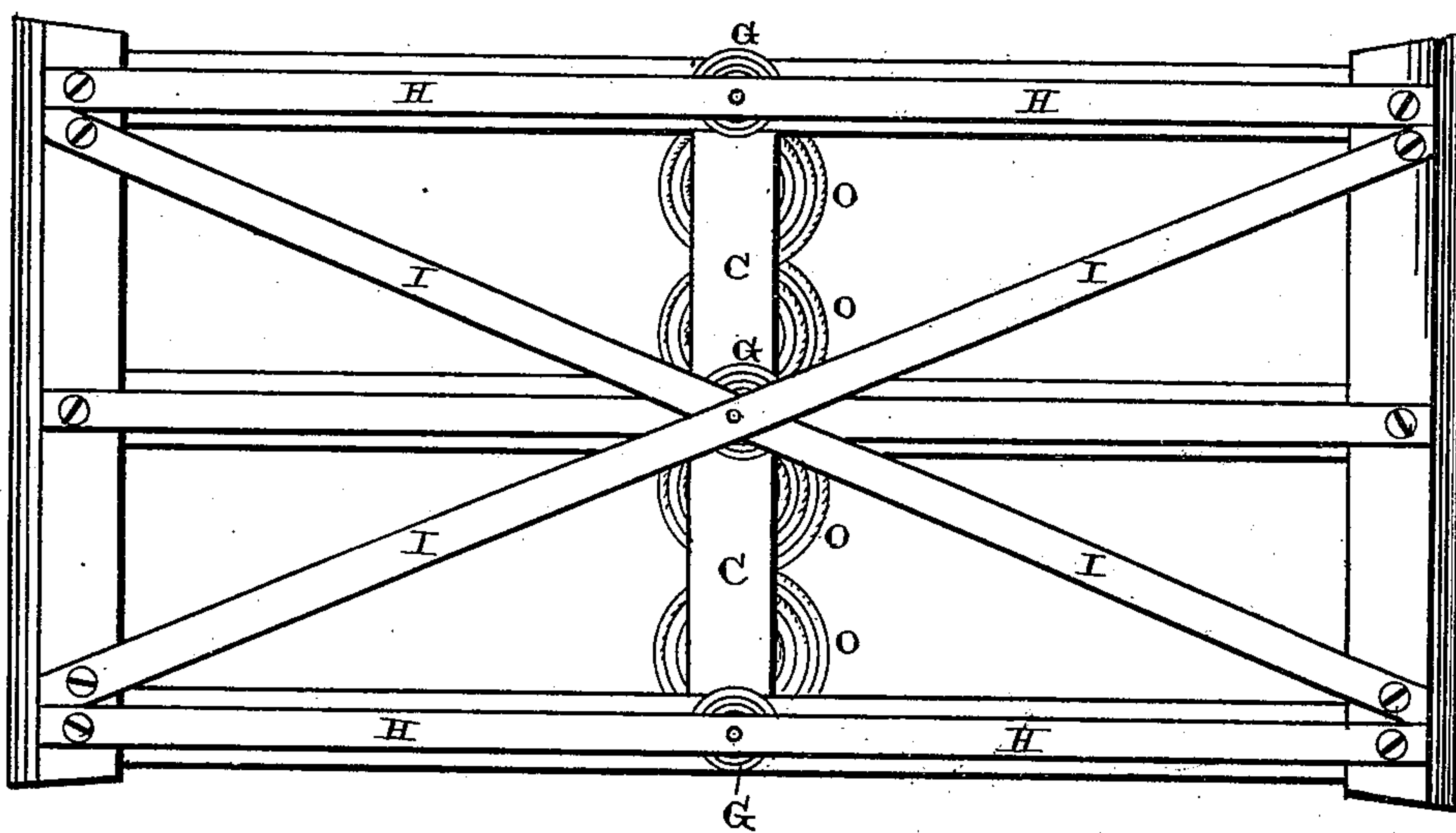
No. 250,814.

Patented Dec. 13, 1881.

*Fig. 1.*



*Fig. 2.*



WITNESSES.

W. V. Mortimer  
W. F. Kern

INVENTORS.

L. H. Hood,  
Chas. Christmas,  
per  
J. A. Lehmann,  
att'y.

# UNITED STATES PATENT OFFICE.

LODNER H. HOOD AND CHARLES CHRISTMAS, OF GRAND HAVEN, MICH.

## SPRING BED-BOTTOM.

SPECIFICATION forming part of Letters Patent No. 250,814, dated December 13, 1881.

Application filed November 3, 1881. (Model.)

*To all whom it may concern:*

Be it known that we, LODNER H. HOOD and CHAS. CHRISTMAS, of Grand Haven, in the county of Ottawa and State of Michigan, have  
5 invented certain new and useful Improvements in Spring Bed-Bottoms; and we 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 part of this specification.

Our invention relates to an improvement in spring bed-bottoms; and it consists, first, in  
15 grooving the end pieces and inserting the ends of the slats, which run lengthwise of the bed, in the grooves, and then connecting the end pieces together by means of metallic strips and the wire-netting; second, in the combination of  
20 the wire-netting, suitable supporting-springs placed under its center, a cross-bar for the springs to rest upon, and which cross-bar rests upon the lengthwise slats, suitable coiled springs placed under the slats, and metallic  
25 strips or springs, upon which the lower set of springs rest, as will be more fully described hereinafter.

The object of our invention is to form a frame in which the side pieces and the corner-  
30 irons are entirely dispensed with, and to provide one set of springs for the wire-netting to rest upon and another set of springs for the slats, whereby a cheap and very elastic bed-bottom is formed.

35 Figure 1 is a side elevation of our invention. Fig. 2 is a bottom view of the same.

A represents the two end pieces, which are grooved on their inner sides, so as to receive the ends of the lengthwise slats B. These end  
40 pieces are not connected together by the usual side pieces and corner-irons, but are held together against the ends of the slats by means of the wire-netting on the top of the metallic strips below. Dispensing with the side pieces  
45 and the corner-irons greatly simplifies and cheapens the construction of the frame.

Placed loosely upon the tops of the slats, which run lengthwise of the bed, and of which there may be any desired number, is placed

the cross bar or slat C, upon the top of which 50 are secured a number of spiral springs, O, which support the center of the wire-netting D. This wire-netting is made about the same width as the frame, and is secured to the frame by having its ends securely clamped between 55 the end pieces, A, and the strips E, which are secured to the outer sides of the end pieces.

Suitable set-screws or other tightening devices will be used for the purpose of tightening the wire-netting whenever it is so desired. 60

To the under side of each one of the slats B is secured a spiral spring, G, the lower end of which rests upon the metallic strips H, which extend from one end to the other of the frame, and have their ends fastened in any suitable 65 manner to the cross-pieces A. There will be one of these strips for each one of the lengthwise slats, and, in addition to these strips there will be two cross-strips, I, arranged in the form of a letter X, for the purpose of bracing 70 and strengthening the frame.

It will be seen that there is one set of springs arranged under the netting and another set arranged under the lengthwise slats, so as to give the bed-bottom a double elasticity. 75

Having thus described our invention, we claim—

1. The combination of the end pieces, A, grooved upon their inner sides, with the slats B, which have their ends held in the grooves, 80 the wire-netting, and the metallic strips, which are secured to the under side of the cross pieces, substantially as shown.

2. The combination of the grooved end pieces, A, the slats B, the cross bar or slat C, 85 the springs O, the wire-netting, the springs which are secured to the under sides of the slats, and the metallic strips, upon which the lower set of springs are supported, substantially as described. 90

In testimony whereof we affix our signatures in presence of two witnesses.

LODNER H. HOOD.  
CHARLES CHRISTMAS.

Witnesses:

GEORGE D. TURNER,  
ANNEUS J. HILLEBRANDS.