

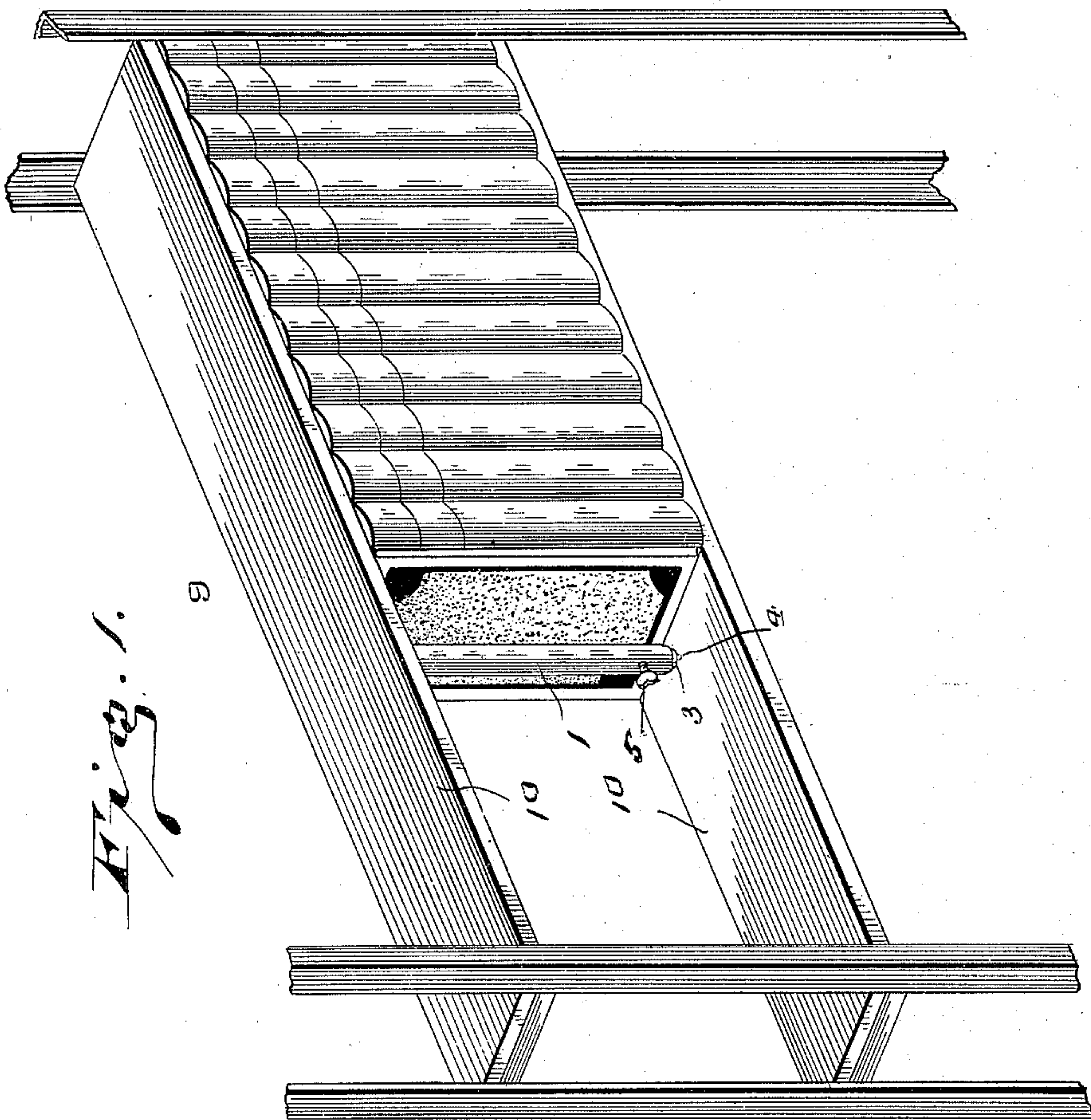
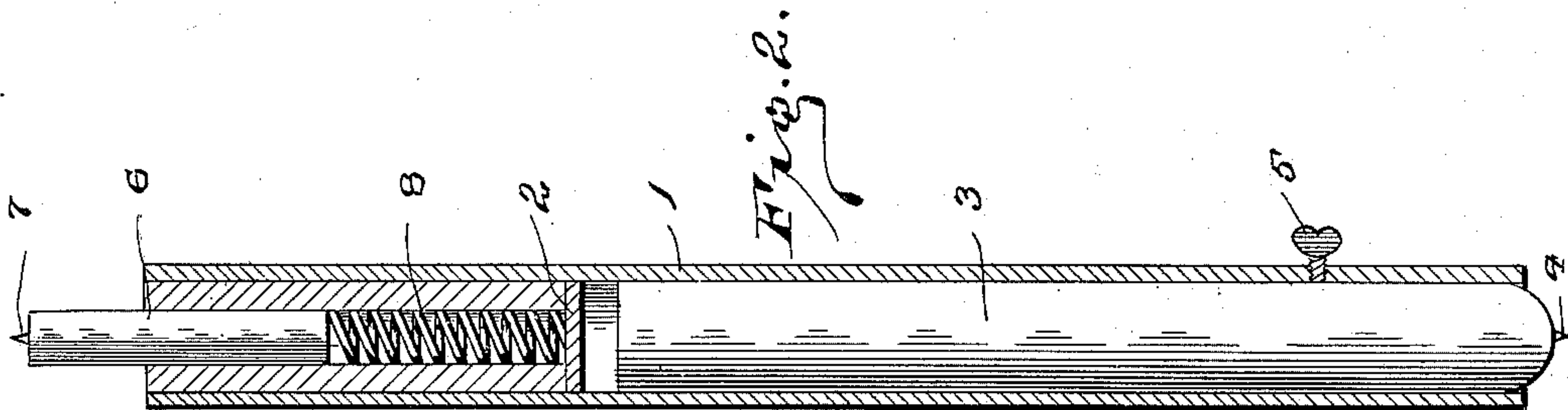
No. 639,063.

Patented Dec. 12, 1899.

G. W. LADD.
BOOK SUPPORT.

(Application filed Nov. 13, 1898. Renewed July 6, 1899.)

(No Model.)



WITNESSES

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BOOK-SUPPORT.

SPECIFICATION forming part of Letters Patent No. 639,063, dated December 12, 1899.

Application filed November 13, 1896. Renewed July 6, 1899. Serial No. 722,979. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. LADD, a citizen of the United States, residing at East Freetown, in the county of Bristol and State of Massachusetts, have invented certain new and useful Improvements in Book-Supports; 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 appertains to make and use the same.

My invention relates to certain new and useful improvements in book-supporters, the object of the same being to provide a simple and cheaply-constructed device of this character whereby books may be held in upright position upon the shelf upon which they are placed when said shelf is only partially filled with books.

The invention consists of a tube having a partition on the inside thereof, a rod or bar fitting within the lower end of said tube, having a pointed prong or projection upon its lower end, a thumb-screw projecting through said tube and adapted to engage the outer surface of said rod or bar for increasing or decreasing the length of the supporter, a spindle slidingly mounted in the upper end of said tube, having a pointed prong or projection, and a spring for normally urging said spindle outwardly.

The invention also consists in other details of construction and combinations of parts, which will be hereinafter more fully described and claimed.

In the drawings forming part of this specification, Figure 1 represents a perspective view of a book-shelf, showing my improved supporter applied thereto. Fig. 2 is a vertical central longitudinal section through the supporter.

Like reference-numerals indicate like parts in both views.

My improved supporter is made up of a tube 1, having a partition 2 upon the inside thereof, located at a point near its upper end. Fitting and slidingly mounted within the lower end of the tube 1 is a cylindrical rod or bar 3, provided with a prong or tooth 4

upon its lower end, the said rod or bar being adapted to be adjusted at any desired relative position to the tube 1 by means of a thumb-screw 5, projecting through the side of said tube and engaging the outer surface of said rod or bar. Slidingly mounted in the upper end of the tube 1 is a spindle 6, having a prong or tooth 7 upon its upper end and normally urged outwardly by means of a coil-spring 8, which engages the lower end of said spindle and the upper surface of said partition 2.

In using my device the same is applied as shown in Fig. 1 of the drawings, wherein a bookcase 9 is shown, provided with shelves 10 10. Said supporter is located between two of the shelves 10 10, with the prongs or teeth 4 and 7 engaging the inner surfaces of said shelves. It is held in this position by means of the pressure exerted upon the opposite ends of the supporter by the spring 8. The said supporter is capable of being adjusted so as to accommodate it to book-shelves of varying distances apart by means of the slidingly and adjustably mounted rod or bar 3. The position of said rod or bar with relation to the tube 1 may be changed by means of the thumb-screw 5.

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

1. A tubular book-supporter having a partition intermediate of its ends dividing the same into two compartments, a rod or bar in the lower of said compartments having a prong upon its lower end and provided with means whereby it may be adjusted longitudinally, and an upwardly-spring-pressed spindle in the upper of said compartments having a tooth or prong upon its upper end, substantially as and for the purpose described.

2. A tubular book-supporter having a partition therein intermediate of its ends dividing the same into two separate compartments in line one with the other, a slidingly-mounted rod or bar in the lower of said compartments having a prong upon its lower end, a set-screw engaging the outer surface of said rod or bar for adjusting the position thereof, a

spindle in the upper of said compartments
having a prong upon its upper end, and a
spring interposed between the lower end of
said spindle and the upper side of said par-
5 tition, substantially as and for the purpose
described.

In testimony whereof I have signed this

specification in the presence of two subscri-
ing witnesses.

GEORGE W. LADD.

Witnesses:

E. NELLIE DALEY,
THEOPHILUS GAY.