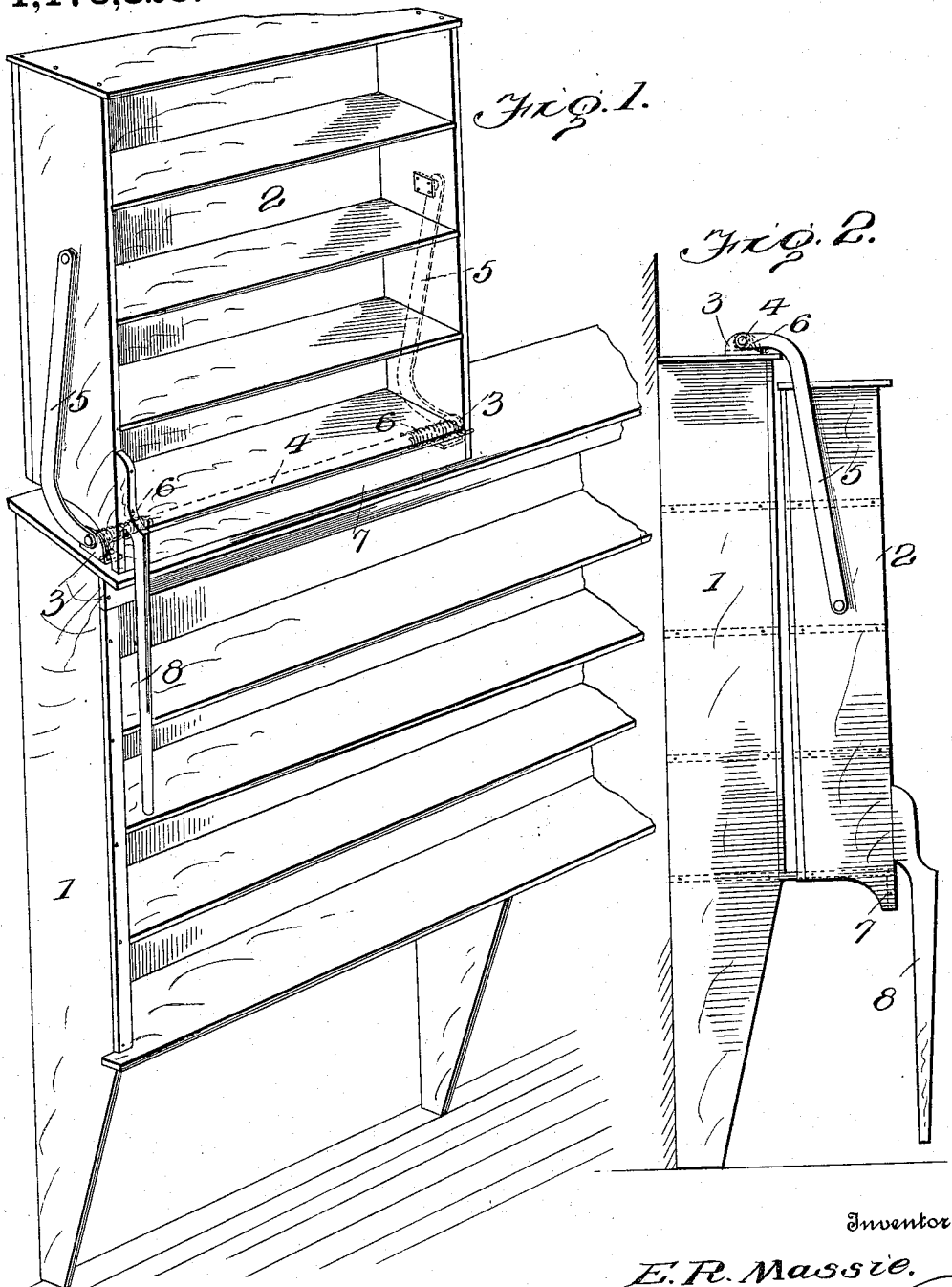


E. R. MASSIE.
SHELVING.
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Patented Feb. 29, 1916.

1,173,828.



Witnesses

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SHELVING.

1,173,828.

Specification of Letters Patent.

Patented Feb. 29, 1916.

Application filed April 20, 1915. Serial No. 22,591.

To all whom it may concern:

Be it known that I, EDWARD RODNEY MASSIE, of Clifton Forge, in the county of Alleghany and State of Virginia, have invented certain new and useful Improvements in Shelving; 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 that class of shelving which comprises a stationary case and a superposed movable case, and the object of my invention is to provide a simple and efficient means for readily and easily lowering and raising the superposed case for the purpose of convenient access.

In the drawings, Figure 1 is a view in perspective showing my improved shelving in normal position. Fig. 2 is a side view with the superposed case in lowered position.

Referring to the drawings, 1 designates a stationary case provided with any desired shelving, and which is designed to form the support for a movable case of shelving 2, the latter being normally supported on said stationary or lower case. This lower case has bearings 3 for a rock-shaft 4, on the ends of which are fulcrumed supporting arms 5. These arms are slightly curved at their lower ends and at their upper ends are pivoted to the sides of the shelving 2. The arrangement is such that the shelving 2 may be swung outward from the position in Fig. 1 and down to the position of Fig. 2, thus moving in an arc. The arms will support and guide the shelving as the same is raised and lowered in front of the lower case. I have shown a spring at 6 for taking up the weight of the shelving and aiding in returning it to its superposed position. Any suitable spring mechanism may be employed. By the means described the spring constantly tends to hold the movable shelving elevated and renders it very light.

The shelving is formed with sufficient space underneath to accommodate the rock-shaft which latter is concealed by the lower extension 7 of the shelving. This extension by bearing on the top of the lower case precludes the shelving from being tilted forward until the same is moved outwardly to enable such extension to clear the top of the case. I have shown a manipulating handle at 8 which is secured at one side to the superposed shelving and normally parallels the front of the lower case within easy reach of an operator.

The advantages of my invention will be readily appreciated by those skilled in the art, and it will be seen that by means thereof a great economy of wall space may be effected and at the same time access may readily be had to the superposed shelving.

I claim as my invention:

1. The combination with a case, of a rock shaft mounted on the top of said case near the outer edge thereof, shelving normally resting on said case above and out of contact with said rock shaft, and an arm fulcrumed to each end of said shelving and to said rock shaft, each of said arms being of substantially right angular formation near its connection to said rock shaft to permit said shelving to swing clear of said case.

2. The combination with a case, of a rock-shaft mounted thereon, arms fulcrumed on said rock-shaft, shelving normally resting on said case and to which said arms are fulcrumed, and a spring coiled upon said shaft and tending to hold said shelving elevated.

In testimony whereof, I have signed this specification in the presence of two subscribing witnesses.

EDWARD RODNEY MASSIE.

Witnesses:

FRANCIS S. MAGUIRE,
MILDRED P. IMIRIE.