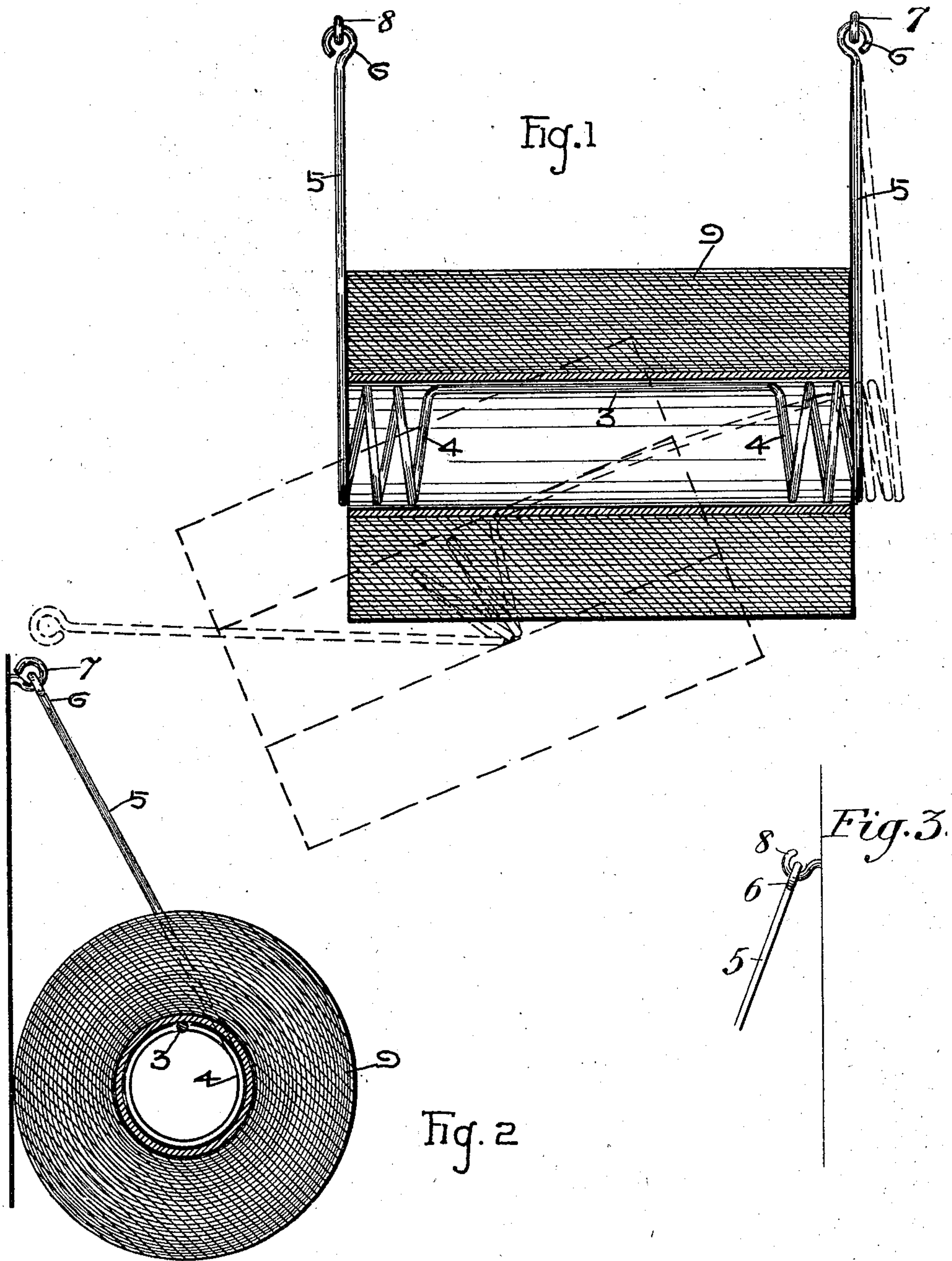


No. 725,426.

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S. S. ECCLESTON.
SUPPORT FOR PAPER ROLLS.
APPLICATION FILED MAY 10, 1901.

NO MODEL.



WITNESSES

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SUPPORT FOR PAPER-ROLLS.

SPECIFICATION forming part of Letters Patent No. 725,426, dated April 14, 1903.

Application filed May 10, 1901. Serial No. 59,572. (No model.)

To all whom it may concern:

Be it known that I, S. SPENCER ECCLESTON, a citizen of the United States of America, and a resident of Binghamton, county of Broome, and State of New York, have invented certain new and useful Improvements in Supports for Paper-Rolls, of which the following is a specification.

My invention relates to improvements in supports for paper-rolls, and particularly in devices adapted to support rolls of toilet-paper and from which such rolls may readily be removed and replaced.

My invention consists in an improved roll-support having a bearing member for supporting the roll and a suspension member secured to the said bearing member by a spring connection.

In the embodiment of my invention herein illustrated the bearing member has two bearing portions, which are connected together by a smaller web or rod, and the suspension member comprises two arms, both of which are connected to the said bearing member by a spring connection.

In using my improved support I preferably connect one of the said arms to a fixed point by a closed connection in such a manner that the support may swing freely therefrom in all directions, but is irremovable therefrom. The other arm I preferably connect to an open hook, from which it may swing freely and from which it may be removed as desired.

The object of my invention is to provide a simple and inexpensive support for paper-rolls and to provide therein ready means for the removal and replacement of such rolls. These objects I have attained in the embodiment of my invention illustrated in the accompanying drawings, in which—

Figure 1 is a face view of a roll-support embodying my invention and shown in operative connection with a roll of paper, said roll being shown in central longitudinal section. In dotted lines in the same figure I have illustrated the roll of paper as being removed from operative connection with the said support. Fig. 2 is a central transverse sectional elevation of the improved roll-support and roll. Fig. 3 is a detail view showing the pre-

ferred form of supporting-hook employed for supporting one of the suspension-arms and a portion of the suspension-arm in engagement therewith.

In the embodiment of my invention herein illustrated I have constructed my improved roll-support of a single integral strip of wire. The central portion (designated by the reference character 3) is substantially straight and is terminated on either side by spirally-bent portions 4 4. The spirally-bent portions substantially fit the inner core of a roll of paper adapted to be supported by the device and may be arranged at such a distance apart as to engage the said roll at opposite ends thereof and cause frictional resistance to its movement. Substantially straight portions 5 5 extend from the outer ends of the spirally-bent portions and constitute arms to form the suspension member of the device. The said arms 5 5 preferably terminate in closed eyes or rings 6 6, and one of the said eyes or rings is adapted to engage a closed hook or connection 7, while the other is adapted to engage an open hook, as 8, from which it may readily be disengaged when desired.

In the drawings the roll-support is illustrated as supporting a roll of paper 9, and the device is in engagement with and suspended from the hooks 7 and 8.

If it be desired to remove the roll from the support, it is merely necessary to detach the suspension-arm 5 from the open hook 8 and to open the support, substantially as illustrated in dotted lines in Fig. 1 of the drawings, the spiral-spring connection 4 permitting such operation. The spiral portions 4 thus perform the double function of providing a bearing for the roll and affording a spring connection between the connection and the bearing members of the device. A new roll may of course be inserted in a similar manner, the roll being slipped onto the support after the suspension member has been disengaged and the support straightened out, and the suspension member may then be again engaged with its supporting-hook.

The supports 7 and 8 are arranged at such a distance apart that when the arms 5 5 engage them the arms come into slight frictional contact with the ends of the roll of paper,

and thus also serve to retard its movement when a portion of the paper is being unrolled or drawn from it.

My device thus forms a very simple and inexpensive support for paper-rolls and provides a simple means for the very ready removal and replacement of such rolls.

It is obvious, of course, that modifications of the device herein illustrated may be made within the scope of my invention.

What I claim is—

1. A roll-support comprising a horizontal bearing member formed of one integral portion from end to end, and suspension-arms having free outer ends connected to opposite ends of said bearing member, and projecting therefrom at the ends at which they are connected, one of said suspension-arms having a spring connection with the said bearing member.

2. A roll-support comprising a horizontal bearing member formed of one integral portion from end to end, and suspension-arms having free outer ends connected to opposite ends of said bearing member, and projecting therefrom at the ends at which they are connected, said suspension-arms having a spring connection with the said bearing member.

3. A roll-support consisting of a single strip of wire having a central portion, two spirally-bent portions, one at each side thereof, and

forming a bearing member, and portions extending outwardly from the said spiral portions and forming suspension-arms having free or unconnected outer ends.

4. A roll-support comprising a bearing portion having two outwardly-projecting arms connected thereto and by which the bearing portion may be suspended, the said arms secured to said bearing portion by spring connection and adapted to bear against the ends of a roll when engaged by said support, substantially as set forth.

5. As an article of manufacture, a strip of wire bent spirally at the middle to form the bearing member for a roll of paper, or the like, and having at its ends portions projecting tangentially from the spiral whereby an object supported by the bearing portion is prevented from accidental displacement therefrom at either end by one or other of the tangentially-disposed portions, said portions having free or unconnected ends and forming suspension-arms, substantially as shown and described.

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

S. SPENCER ECCLESTON.

Witnesses:

E. C. MOODY,

H. EUGENE PERKINS.