

No. 762,163.

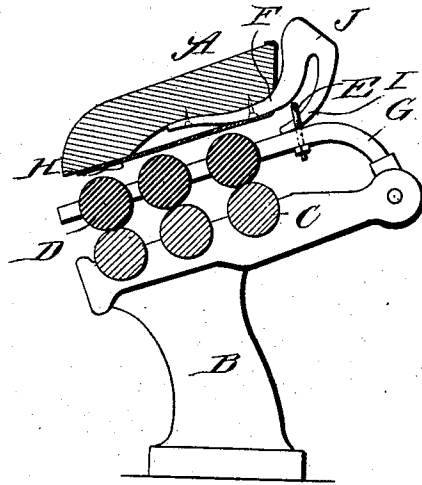
PATENTED JUNE 7, 1904.

W. H. GORDON.  
CLEARER FOR RING SPINNING FRAMES.

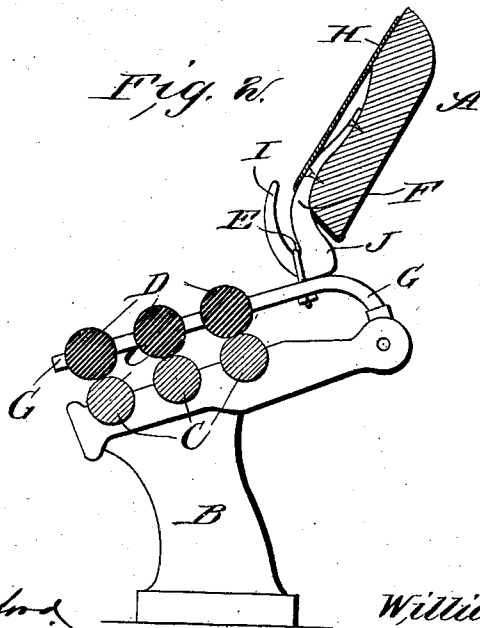
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NO MODEL.

*Fig. 1.*



*Fig. 2.*



WITNESSES:

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INVENTOR

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## UNITED STATES PATENT OFFICE.

WILLIAM HENRY GORDON, OF FALL RIVER, MASSACHUSETTS.

## CLEARER FOR RING-SPINNING FRAMES.

SPECIFICATION forming part of Letters Patent No. 762,163, dated June 7, 1904.

Application filed January 15, 1904. Serial No. 189,134. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM HENRY GORDON, residing at Fall River, in the county of Bristol and State of Massachusetts, have invented certain new and useful Improvements in Clearers for Ring-Spinning Frames, of which the following is a specification.

My invention relates to that class of devices which are designed to keep the top rolls on ring-spinning frames free from "fly" and dirt; and its object is to provide means obviating removal or detachment of the clearer-board from the roll-stand or other means of support.

The invention resides in peculiar hinging means adapting the clearer-board to be lifted for inspection and cleaning, which means shall not only support the clearer-board at turned-up position, but be adapted for attachment to any type of drawing-roll support now commonly used on ring-spinning frames.

In the following description of my invention reference is had to the accompanying drawings, in which—

Figure 1 is a transverse vertical sectional view through the rolls and clearer-board, the latter being shown turned down to normal position; and Fig. 2 is a similar view, but with the clearer-board shown at turned-up position.

Drawing-rolls and clearers therefor being well understood in the spinning art, it becomes necessary for a full understanding of my invention to illustrate its use only with one form of drawing-rolls.

Referring to the accompanying drawings, A denotes any suitable form of clearer-board; B, the roll-stand; C, the steel rolls; D, leather rolls; EF, hinge members whereby the clearer is secured to the leather rolls supporting casting G, and H the clearer-cloth.

The hinge member E may consist of a simple eyebolt with its shank extended through

the casting G and be secured by a nut on the under side of said casting or consist of an integral eye on said casting. The eye of the bolt or member E being above the casting G is adapted for receiving the hook-shaped end I on the member F, which latter is formed with a rear heel J, adapted for contacting with the casting G when the clearer-board is sufficiently elevated, and thereby stop further hinge action of the members E F. The hinging connection of the clearer-board is so located on the casting G that when turned up, as shown in Fig. 2, it will be out of the way.

Should it become necessary to remove the clearer-board, obviously the same may be accomplished by simply unhooking the member F from the member E.

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

1. A clearer-board for ring-spinning frames having a detachable hinge connection with a suitable support.

2. The combination with a clearer-board, of hinge-acting securing means, one thereof having a hook-shaped end, and the other being adapted for receiving said hook-shaped end.

3. The combination with a clearer-board, of hinge-acting securing means, one thereof having a hook-shaped end, and the other being in the form of an eye, substantially as described.

4. The combination with a clearer-board of hinge-acting securing means, one thereof having a hook-shaped engaging end and a stopping-heel, and the other being in the form of an eyebolt, substantially as described.

WILLIAM HENRY GORDON.

Witnesses:

ALVIN G. WEEKS,  
ALBERT CADORET.