

B. G. READ.
Rollers for Winding Paper.

No. 153,277.

Patented July 21, 1874.

fig. 1

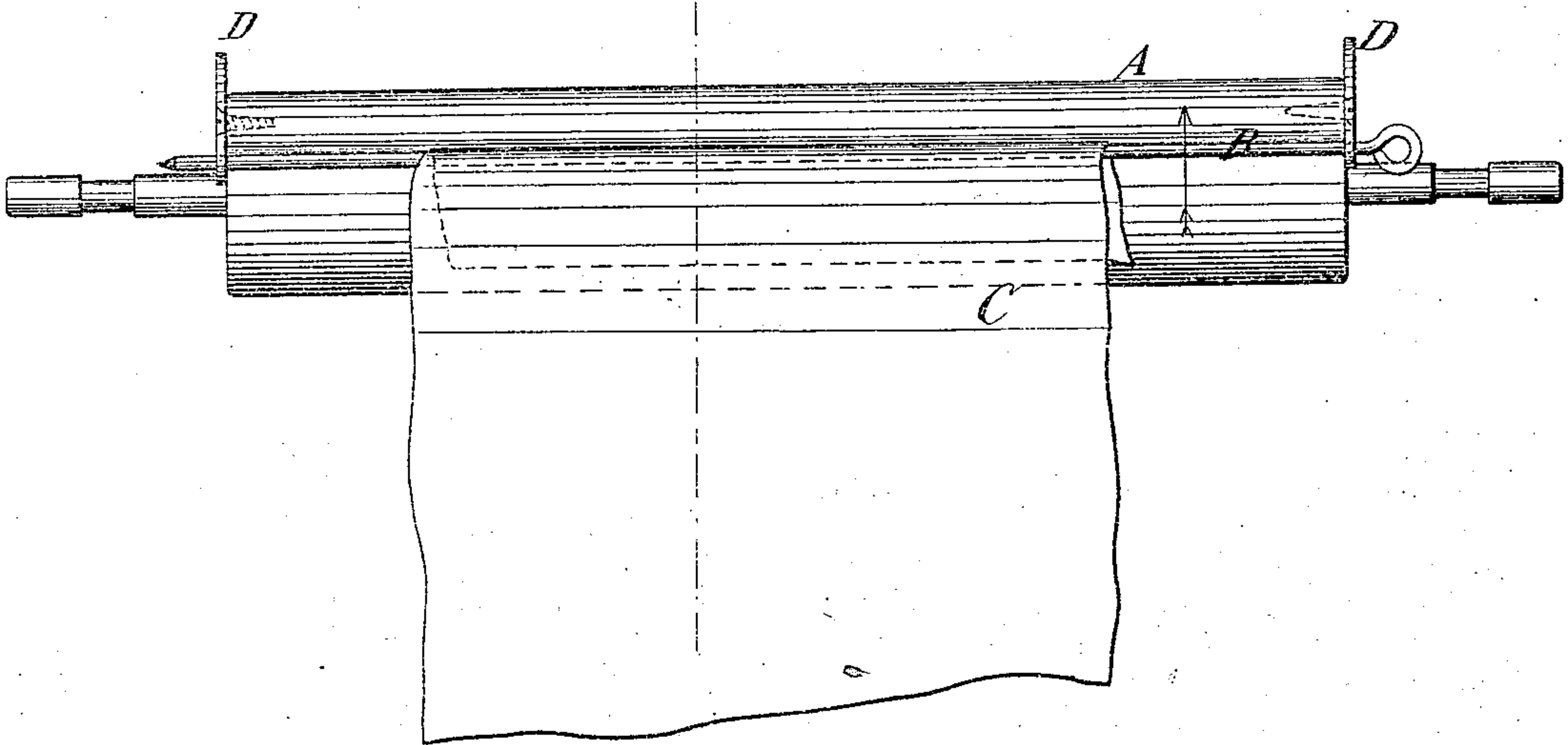


fig. 3

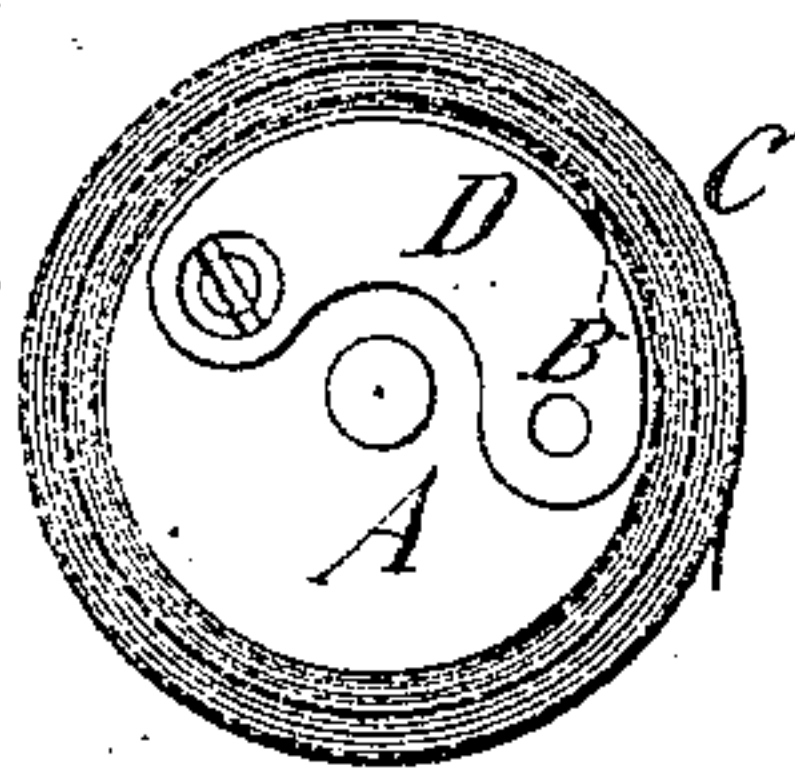
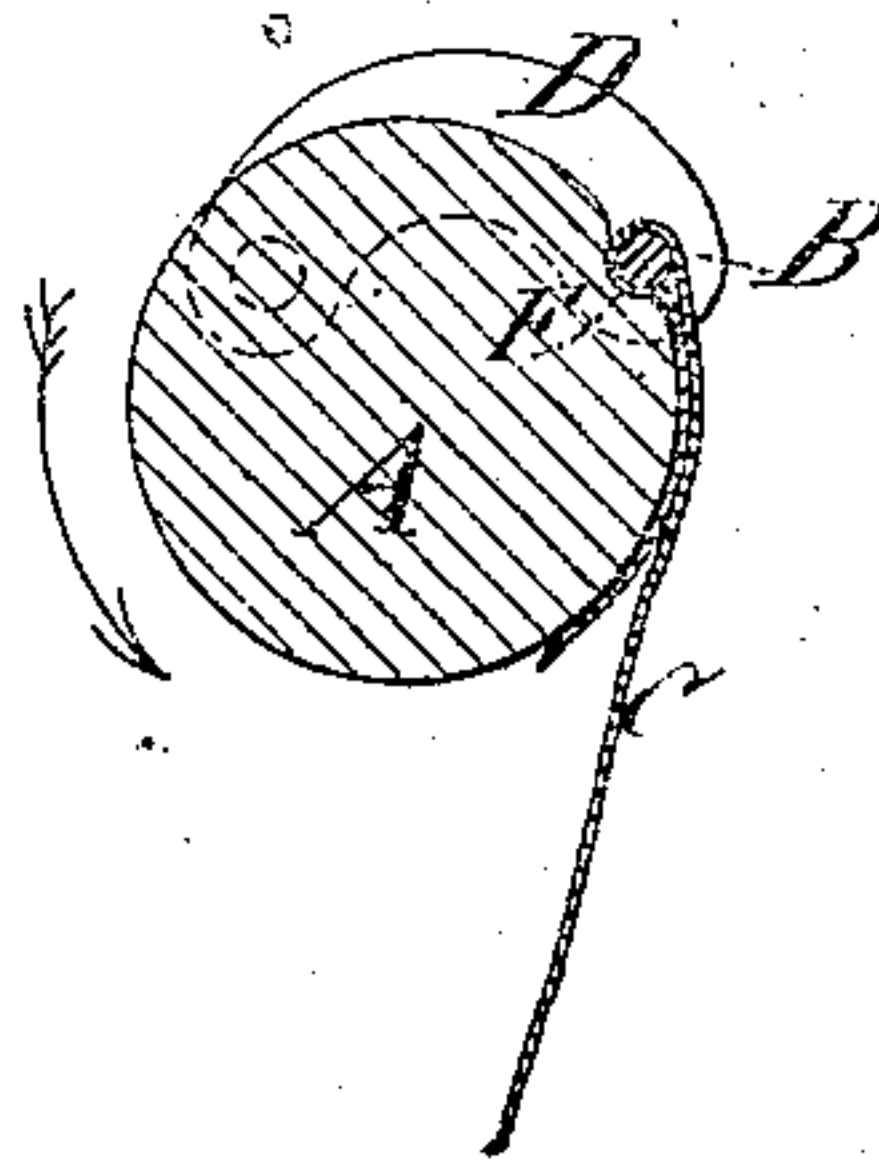


fig. 2



WITNESSES:

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UNITED STATES PATENT OFFICE.

BRANTLEY G. READ, OF LYONS, IOWA.

IMPROVEMENT IN ROLLERS FOR WINDING PAPER.

Specification forming part of Letters Patent No. **153,277**, dated July 21, 1874; application filed June 13, 1874.

To all whom it may concern:

Be it known that I, BRANTLEY G. READ, of Lyons, Clinton county, Iowa, have invented a new and Improved Roller for Winding Paper, of which the following is a specification:

My invention consists of a rod for fastening the end of a paper sheet to a roller on which it is to be wound, connected to the roller by a swinging arm at each end, pivoted eccentrically to the roller, and so as to let the rod drop into a little groove in the side of the roller. The paper sheet is attached by raising the rod, folding the paper sheet over it, and letting it fall back into the groove in the roller.

The tension of the paper holds the rod in place as it passes under the roller when the roller is set in motion to wind on the paper, and the arms by which the rod is connected keep it from shifting around the roller, as it often does at the beginning when it is held by hand, until the roller has made a revolution, and drawn the paper over it, as in the common way.

Figure 1 is a side elevation of a roller with my improved contrivance for fastening the paper sheet to it. Fig. 2 is a transverse section, taken on the line *x x*. Fig. 3 is an end elevation.

A represents the roller on which the paper

is to be rolled; B, the rod for fastening the end of the paper sheet C to the roller, and D the arms for connecting the rod to the roller. These arms are pivoted to the roller at the ends eccentrically to its axis, and hold the rod so that it will swing down into the groove F, and draw against it when the paper is folded over the rod, as shown in Fig. 2, and the roller is set in motion for winding the paper on. The rod is made so as to slide in the holes in the arms from one to the other, and pull out readily, in order to facilitate the removal of the roll of paper from the roller after it is made.

When the rod is pulled out the arms D swing below the surface of the roller, so that the roll of paper will slide off at one end of the roller.

The winder is applicable for winding cloth, carpets, and other goods.

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

The rod B and arms D, combined with a roller, A, for winding paper or other fabrics, substantially as specified.

BRANTLEY G. READ.

Witnesses:

WM. D. EATON,
H. C. FORD.