

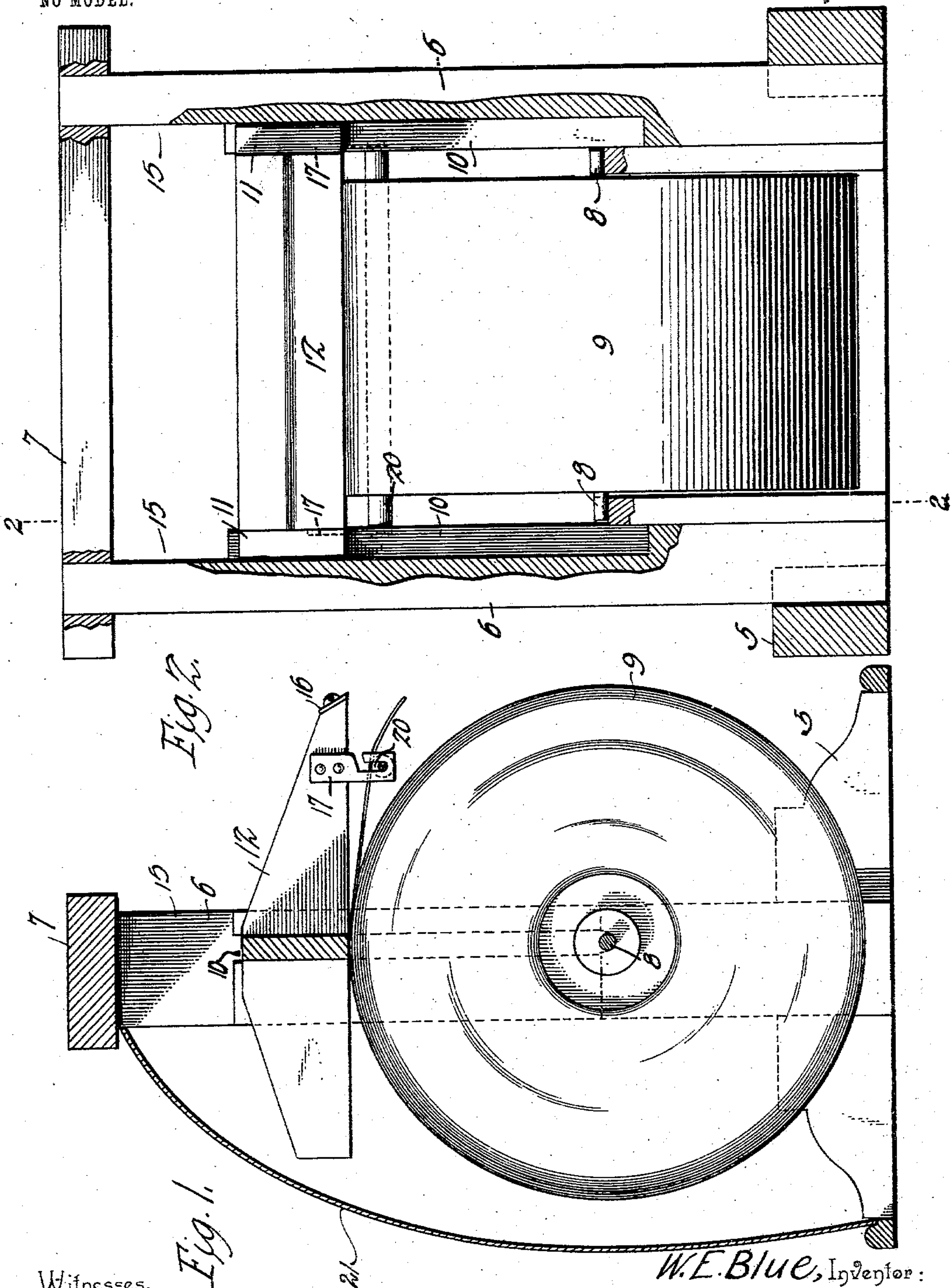
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W. E. BLUE.  
PAPER ROLL HOLDER AND CUTTER.

APPLICATION FILED NOV. 26, 1902.

NO MODEL.



Witnesses  
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# UNITED STATES PATENT OFFICE.

WILLIAM E. BLUE, OF NIAGARA FALLS, NEW YORK.

## PAPER-ROLL HOLDER AND CUTTER.

SPECIFICATION forming part of Letters Patent No. 740,389, dated October 6, 1903.

Application filed November 26, 1902. Serial No. 132,927. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM E. BLUE, a citizen of the United States, residing at Niagara Falls, in the county of Niagara and State of New York, have invented a new and useful Paper-Roll Holder and Cutter, of which the following is a specification.

The invention relates to certain improvements in roll-paper holders and cutters, and has for its principal object to provide a device of simple and inexpensive construction in which the end of the roll of paper always remains in convenient position to be grasped by the operator, the cutting-knife being so positioned with relation to the roll that the end of the strip will naturally fall to a position about midway between the roll and the knife and held out of contact with both, so that there will be no necessity of turning the roll by hand before the end of the strip can be caught and withdrawn.

With this and other objects in view the invention consists in the novel construction and combination of parts hereinafter described, illustrated in the accompanying drawings, and particularly pointed out in the appended claim, it being understood that various changes in the form, proportion, size, and minor details of the structure may be made without departing from the spirit or sacrificing any of the advantages of the invention.

In the accompanying drawings, Figure 1 is a transverse sectional elevation of a roll-paper holder and cutter constructed in accordance with my invention. Fig. 2 is a longitudinal sectional elevation of the same on the line 2 2 of Fig. 1.

Similar numerals of reference are employed to indicate corresponding parts throughout both figures of the drawings.

The supporting-frame comprises a base portion 5 and a pair of vertically-disposed standards 6, the upper ends of which are united by a cross-bar 7. The standards 6 are provided with suitable bearings for the reception of the trunnions 8 of the paper-roll 9, and the bearings are so arranged that the paper-roll may be readily removed and replaced by a fresh roll when necessary.

The inner faces of the standards are provided with vertically-disposed slots 10 for the reception of tongues or ribs 11, arranged at

the opposite end of a floating friction-block 12, which rests on top of the roll, the weight of the block being sufficient to prevent the loosening of the roll strip of paper and serving to hold the same in proper position with respect to the knife during the cutting operation. The guiding-slots terminate short of the upper ends of the standards, and at or near the tops of the standards are suitable notches 15 to permit the ready removal of the friction-block when a fresh roll of paper is to be placed in position, the block being taken from the frame and permitting the more ready introduction of the roll of paper than in devices of similar nature wherein the block must be held in elevated position during the insertion of the roll. At one edge of the block 12 is secured a cutting-knife 16, the cutting edge being in the same plane with the lower surface of the knife.

At the opposite ends of the friction-block are secured depending plates 17, having slots for the reception of pins projecting from the ends of a smaller paper-supporting roller or bar 20, said roller or bar being disposed about midway between the block and the peripheral line of the roller and situated inwardly from the cutting-knife, so that the end of the paper strip after each cutting operation will fall to the roller or bar and be supported in a convenient position between the knife and the paper-roll, its end projecting beyond the roller or bar for a sufficient distance to permit the operator to readily grasp and withdraw the paper.

The arrangement of the paper-support and the cutting-knife is such as to permit the withdrawal of a strip of paper of any length at a single movement and without rendering it necessary for the operator to assume a stooping or other inconvenient position, the paper being withdrawn by a straight pull in a horizontal direction, while the severing operation is accomplished by a slight upward movement to cause the paper to make contact with the cutting-knife.

In devices of this class as ordinarily constructed the position of the cutting-knife with respect to the paper-roll is such as to in some cases render it necessary for the operator to slightly turn the roll of paper by one hand before the end of the strip can be



grasped by the other, while in other cases the arrangement of the parts is such as to necessitate the operator's assuming an inconvenient position when it becomes necessary to  
5 withdraw a sheet of any considerable length. In the present case the end of the strip always remains in convenient position, and a sheet of any size may be withdrawn and severed by a single movement.

10 Where the holder is placed on a counter or otherwise so situated as to be accessible to customers, I preferably employ a shield 21 to prevent accidental turning of the paper-roll to an extent sufficient to move the end of the  
15 strip from its proper position.

Having thus described the invention, what is claimed is—

The combination in a roll-paper holder, of the vertically-slotted standards having

notches at their upper ends, a paper-roll hav- 20  
ing bearings in the standards, a vertically-movable friction-block having guiding members adapted to said slots, a cutting-knife secured to one edge of the block, slotted plates  
or brackets arranged at opposite ends of the 25  
block, and a paper-supporting roller carried by the plates and arranged to the rear of the cutting-knife and at a point about midway  
between the lower face of the block and the 30  
periphery of the roll.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

WILLIAM E. BLUE.

Witnesses:

WM. S. PIERCE,  
C. G. CUDABACK.