(No Model.) 2 Sheets—Sheet 1.

D. F. WALKER.

PAPER ROLL HOLDER.

No. 541,192. Patented June 18, 1895.

Fig. 1.

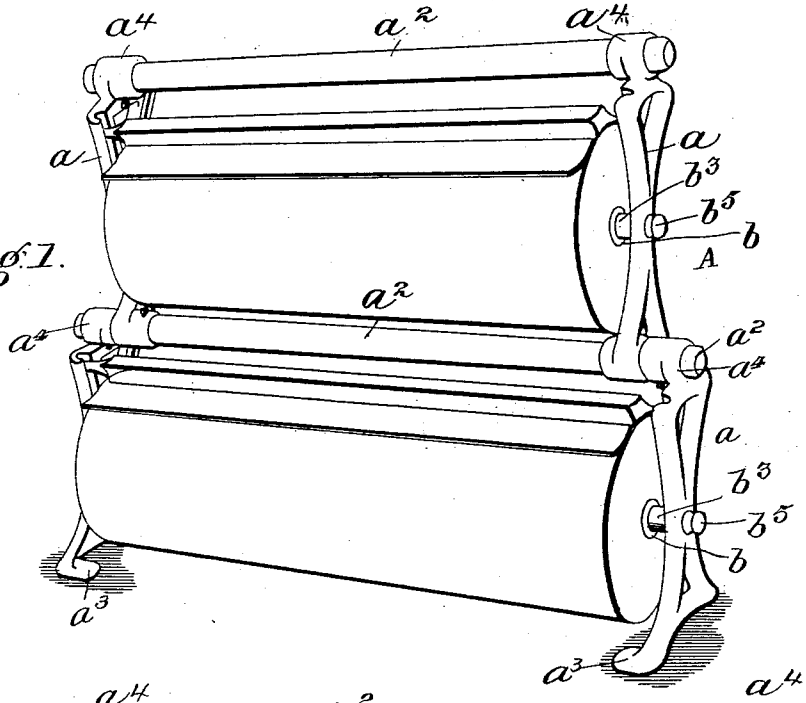
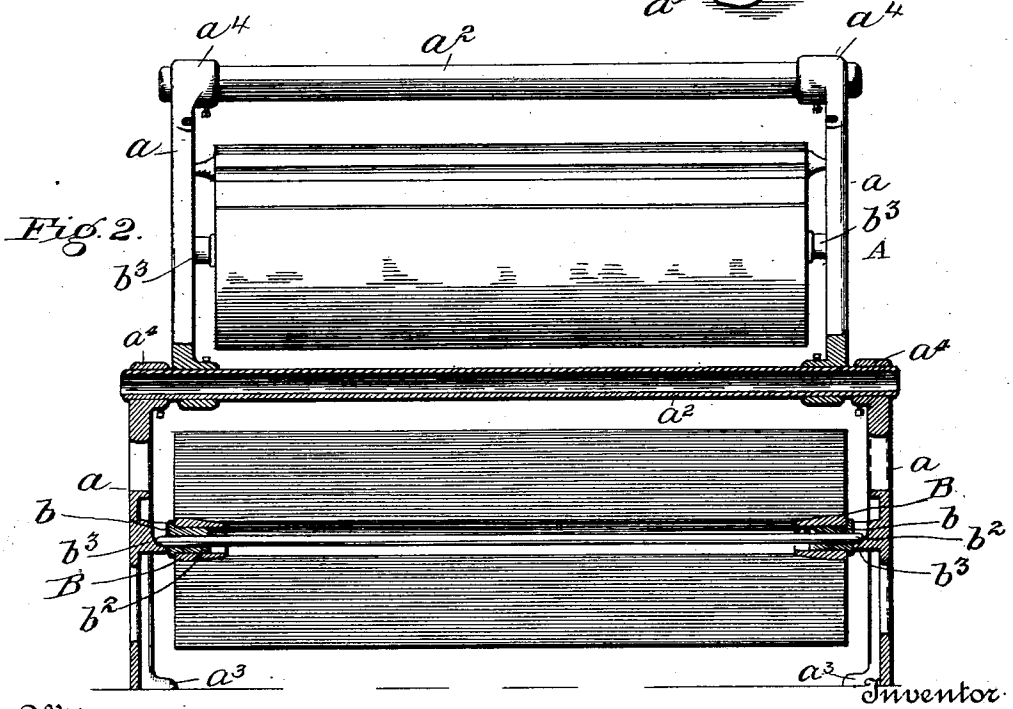


Fig. 2.



Witnesses
F. F. Johnson
W. H. Humphrey.

Inventor
Dwight F. Walker
By Geo. H. Hoyt
his Attorney

(No Model.) 2 Sheets—Sheet 2.

D. F. WALKER.

PAPER ROLL HOLDER.

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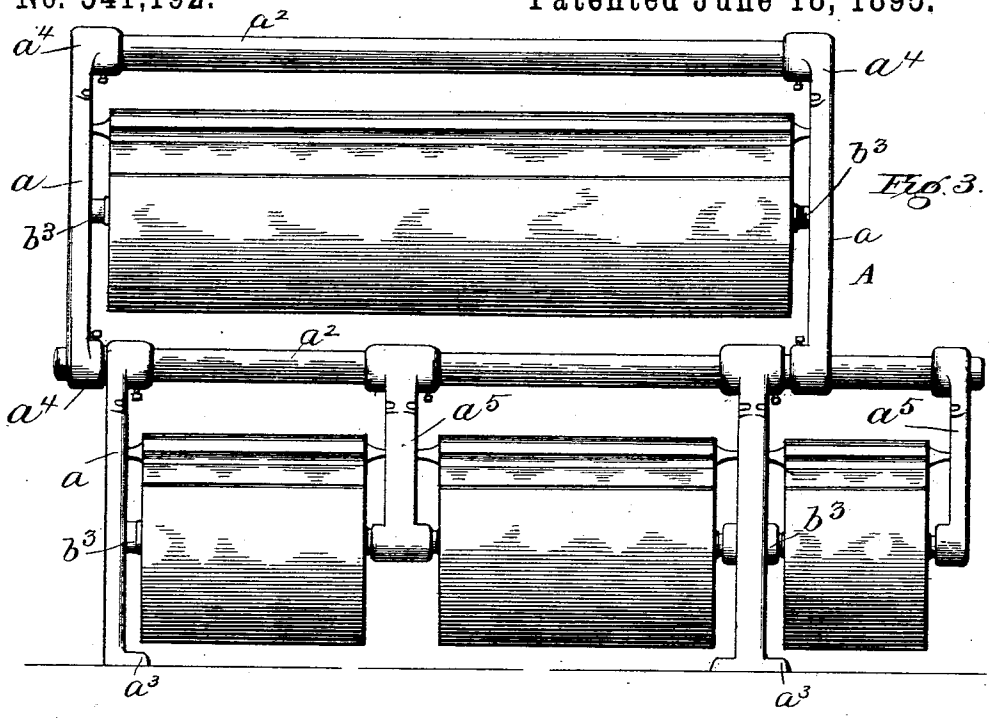

Fig. 3.

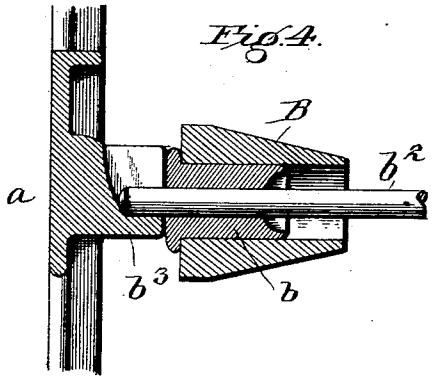

Fig. 4.

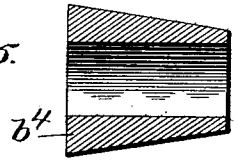

Fig. 5.

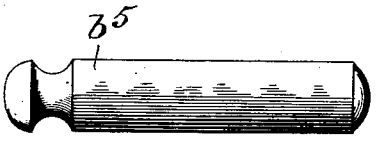

Fig 6

Witnesses
F. M. Johnson
W. H. Pumphrey.

Inventor
Dwight F. Walker
By Geo. H. Holgate
Attorney

UNITED STATES PATENT OFFICE.

DWIGHT F. WALKER, OF PHILADELPHIA, PENNSYLVANIA.

PAPER-ROLL HOLDER.

SPECIFICATION forming part of Letters Patent No. 541,192, dated June 18, 1895.

Application filed February 6, 1895. Serial No. 537,477. (No model.)

To all whom it may concern:

Be it known that I, DWIGHT F. WALKER, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Roll-Paper Holders, of which the following is a specification.

The invention relates to roll paper holders. The object is to produce a device in the nature of a convertible stand by which one or more rolls of paper may be rotatably sustained upon a table, or a wall, or suspended from a counter or shelf; further, to render the holder adjustable to rolls varying in length; and further, to employ an all metal holder and thereby secure increased strength and at the same time reduce the cost of manufacture to a minimum.

With these objects in view, the invention consists in certain novel features of construction and an arrangement of parts to be hereinafter described and claimed.

In the accompanying drawings, forming part of this specification, similar letters of reference indicate corresponding parts in the several views.

Figure 1 is a view in perspective of one embodiment of the invention applied. Fig. 2 is a view in elevation of the same with parts shown in section to more clearly illustrate the detailed construction and relative arrangement of parts. Fig. 3 is a view in elevation showing the adjustable roll-holders. Figs. 4, 5, and 6 are views in detail showing the mounting for the rolls.

In the drawings, A, represents a roll paper holding stand, comprising duplicate end castings or roll supporting standards a, and a connecting brace a^2, preferably tubular, upon which the castings are mounted to have rotary or endwise movement. In the adjacent faces of these castings, converging grooves or ways are formed and serve as guides for combined tension and cutter bars. These guides and bars being fully described in a former patent granted to me December 12, 1894, Serial No. 510,742, a detailed description thereof is not here deemed necessary.

The castings are provided with angular lugs or feet a^3, of any suitable form; also with apertured heads a^4, having set screws tapped therein, by means of which the castings are held axially adjustable upon the tube and at suitable distances apart, the distance varying as the length of the roll to be supported.

To double the carrying capacity of this holder, it is only necessary to employ two additional castings, which are provided at each end with an apertured head, and placed upon the brace and secured by set screws, as above described. These castings receive in the upper apertured heads, a second rod or tube, by which they are held securely connected. In this manner, any number of rolls of paper may be supported, by adding the required castings and rods or tubes, but should it prove undesirable to increase the height of the stand, the necessary carrying capacity may be readily obtained by using longer rods or tubes, as will be at once apparent. To substitute one, two or three small rolls, for a long one—or vice versa—the half length hangers a^5 shown in Fig. 3, are at times employed, and by their use, a stand or holder of medium size may be arranged to support or suspend a number of rolls of paper varying in length.

In mounting rolls for use with stands of the construction described, I employ tubular plugs B, which are preferably of wood and are tapered, as shown in Figs. 4, and 5, of the drawings. By reason of the taper given the plugs, they will become more or less wedged, when in position, and thereby held against working loose. Fitted into the ends of the plugs, are tubular flanged metal sleeves b which receive the spindle b^2. This spindle may be a rod or tube, and projects a distance sufficient to enter the recessed lugs or bearings b^3 of the end castings.

As a substitute for the mounting described, that shown in Figs. 5, and 6, may be used, and comprises a substantially similar plug b^4, which is fitted in the roll, as before described, and receives a stud spindle b^5. These spindles are placed so as to project through an opening in the end castings and enter the tubular plugs, and terminate at their outer ends, in suitable heads which serve to facilitate the withdrawal of the spindle and at the same time, form an ornamental finish.

Prominent among the many advantages of an all metal stand, may be mentioned its low

cost of manufacture; furthermore, its great strength and durability; furthermore, its adjustability to rolls varying in length; and finally, the readiness with which it can be altered to accommodate an increased number of rolls.

Having thus described my invention, what I claim as new is—

1. A roll paper holder, comprising a pair of roll supporting standards, a brace to which the standards are adjustably connected, a second pair of roll supporting standards adjustably mounted on the brace so as to be secured in any position axially thereon and suitably spaced from each other, as specified.

2. The combination with a series of roll-supports, of a tubular connecting brace, certain of the supports being mounted to have rotary and endwise movement, and screws by which the supports are adjustably held, for the purpose described.

3. A support for roll paper, comprising standards having bearings, one or more rods rotatable in the bearings, duplicate plugs mounted to turn with the rod and each consisting of a tapering shell adapted to be driven into the end of the roll, a sleeve telescopically arranged by being interposed between the rod and shell and having an annular flange at its outer end, for the purpose described.

In testimony whereof I have affixed my signature in the presence of two witnesses.

DWIGHT F. WALKER.

Witnesses:

SAMUEL L. TAYLOR,

HORACE G. SEITZ.