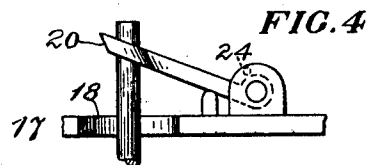
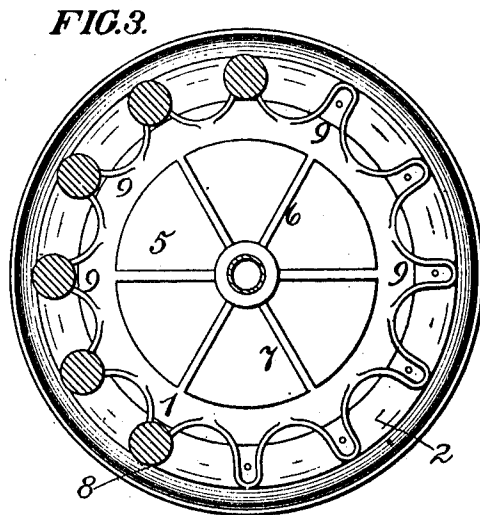
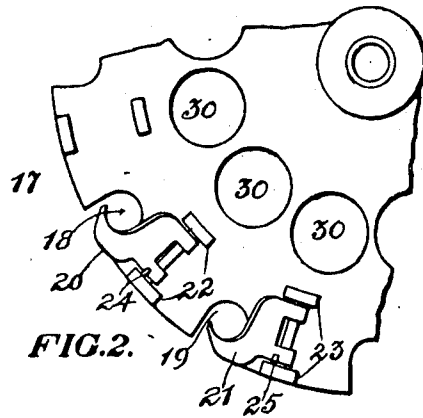
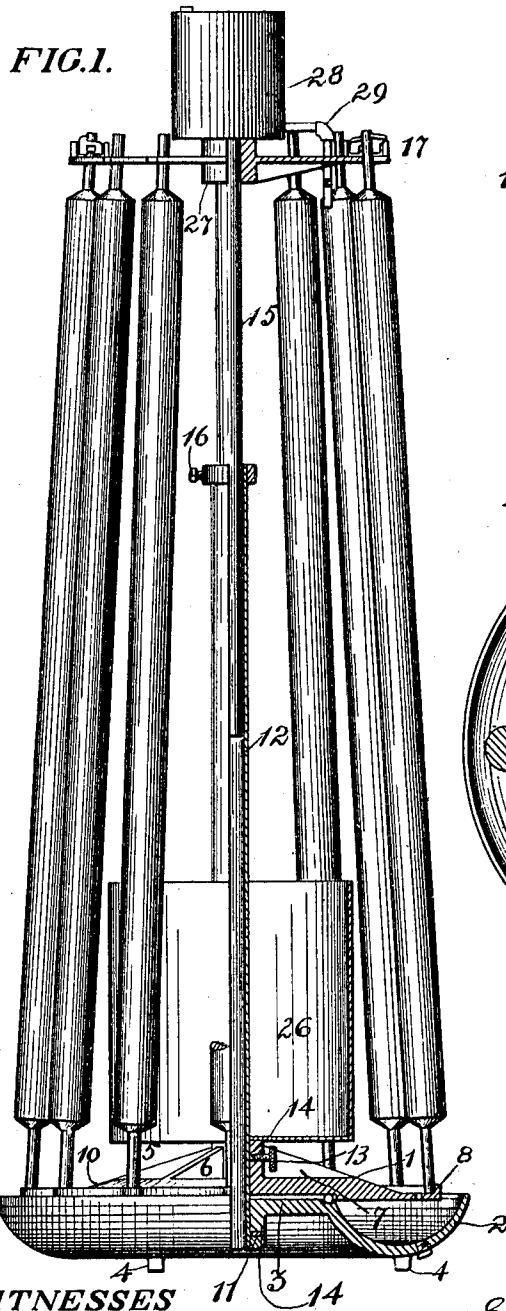


E. J. HAMPTON.
 STAND FOR HOLDING PRINTING PRESS ROLLS.
 APPLICATION FILED FEB. 18, 1908.

970,046.

Patented Sept. 13, 1910.



WITNESSES

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UNITED STATES PATENT OFFICE.

EDWARD J. HAMPTON, OF BERKELEY, CALIFORNIA.

STAND FOR HOLDING PRINTING-PRESS ROLLS.

970,046.

Specification of Letters Patent. Patented Sept. 13, 1910.

Application filed February 18, 1908. Serial No. 416,502.

To all whom it may concern:

Be it known that I, EDWARD J. HAMPTON, a citizen of the United States, residing at Berkeley, in the county of Alameda and State of California, have invented a new and useful Stand for Holding Printing-Press Rolls, of which the following is a specification in such full and clear terms as will enable those skilled in the art to construct and use the same.

My invention relates to the art of holding or storing rolls for print-presses, during the time they are out of service in their respective presses, and has for its object to provide a stand in which such rolls may be supported, which affords ready means for washing said rolls, which shall readily receive and release said rolls, which may be adjusted to receive rolls of various lengths, which shall separate the rolls from one another during storage and washing, which shall provide receptacles for the materials used in washing, and shall readily dispose of the drippings from said rolls.

I accomplish my objects by means illustrated in the accompanying drawing, of which—

Figure 1 is a perspective view in elevation of my stand, part being in section; Fig. 2 is a broken plan view of the top thereof; Fig. 3 a plan view of the bottom thereof; and Fig. 4 a detail view of the slot and latch of said top. The same numeral of reference refers to the same part throughout the various views.

In general terms my invention consists of means for holding separately from one another a number of printing rolls, being adjustable to receive rolls for larger or smaller presses, that is longer or shorter rolls, said rolls being so held as to be readily washed and the drippings therefrom disposed of, and having means for receiving and releasing the rolls readily, and means for turning the rolls so as to bring them within easy reach of the operator, and means for holding material for washing.

Describing my device in detail, I provide a base 1 and pan 2, said base being arranged to rotate on ball bearings on the inner raised portion 3 of said pan, which is provided with feet 4. These feet are three in number, and I provide ribs for strengthening purposes on base 1, said ribs being marked 5, 6 and 7. Base 1 is provided with a raised rib 8, and spaced off into a number of recep-

tacles for the ends of the rolls, of substantially the form shown at 9 in Fig. 3, said divisions inclining outwardly from the center, as shown at 10 Fig. 1. By the construction illustrated, the ends of the rolls, when set on the base, are moved by their own weight into the positions shown in Fig. 1. Secured to a check-nut 11 and being rotatable in bearings in 1 and 2, I provide a hollow shaft 12, which is secured to 1 by a set screw 13, and is held in a normally vertical position by upstanding collars or flanges 14. Telescoped in shaft 12 is a second shaft 15, secured by set screw 16 at various heights to suit the lengths of rolls intended to be supported. The telescoping members aforesaid form the standard. Secured to the top of shaft 15, I provide a top 17 for my device, having a number of openings equal to the divisions aforesaid in said base, in the present instance twelve. These openings are seen at 18, 19 Fig. 2. Every one of the openings is provided with a clip or latch 20, 21, which moves about an arbor set in the bosses 22, 23, and is provided with a stop 24, 25 to prevent its moving too far toward the vertical. The clips have beveled edges, and their arbors are set at such an angle that the entrance of the upper part of a roll will automatically throw them back, admitting the roll to the opening, whereupon the clip falls gravitatively inclosing said part and holding it securely.

The device is normally adjusted so that an opening of 17 is in a vertical plane through center of shafts 12 and 15 and one of the divisions of 1. The circumference of 17 however is smaller than that of 1, so that the rolls in position are inclined as shown in Fig. 1. For this reason, the clips above referred to are only used to actually secure the top ends of rolls in position under abnormal conditions, and are not in use when the conditions are normal. Normally the inclination of the rolls toward the center of top 17 causes these ends to rest stably in the notches in said top without accessory holding means. It is only under abnormal conditions, as when a rack full of rolls is to be transported on a swaying conveyance, that such clips are required.

At the bottom of shaft 12 and resting on flange or collar 14, I provide a receptacle 26 for waste. At the top of shaft 15, and resting on collar 27, I provide a tank 28 for oil to wash and clean rolls. The pipe 29 there-

from passes through one of the holes 30 in 17, which are cut out of the material of which said top is composed for the purpose of lessening its weight.

5 Having described my invention what I claim as new and desire to secure by Letters Patent of the United States is:

1. A rack for printers' rollers comprising an oil receptacle having feet and an up-
10 standing collar in the middle, a base plate for the lower ends of printing rolls having a sinuous flange on its upper surface, being arranged to rotate on said collar and having
15 itself a collar, a standard resting on said oil receptacle and being rotatable in said collars, and a top plate having notches registering with the outer sinuosities of said base plate, fixed to said standard and of
20 smaller radius than said base plate, whereby printing rolls having their lower ends inserted in said outer sinuosities and upper ends inserted in the corresponding notches, are normally fixed in position.

2. In a rack for printers' rolls, a two part
25 base comprising an oil receptacle having feet, an upstanding collar in the middle thereof, and a base for the lower ends of printing rolls rotatably supported by said collar.

3. In a rack for printers' rolls, clips for 30 securing the upper ends of said rolls, comprising a finger movable about an arbor set on a top plate for said rolls, said arbor being set in bosses and inclined at an angle with the vertical, beveled edges on the fin- 35 ger, and a stop for preventing said finger from moving too far toward the vertical, whereby the entrance of the upper end of a roll will automatically back said finger admitting the roll. 40

4. A stand for printing press rolls comprising a two part base consisting of an oil receptacle having feet, an upstanding collar in the middle thereof, and a base for the lower ends of printing rolls rotatably sup- 45 ported by said collar, and means for supporting the upper ends of said rolls consisting of a rotatably supported notched plate having a smaller diameter than said base. 50

In testimony whereof I have set my hand this 12th day of February A. D. 1908, in the presence of the two subscribed witnesses.

EDWARD J. HAMPTON.

Witnesses:

FRANK P. MEDINA,
E. G. MEDINA.