To all whom it may concern:

Be it known that I, JORGENSEN HAASE, a subject of the King of Denmark, residing at Towson, in the County of Baltimore and State of Maryland, have invented certain new and useful improvements in Combined Roll-Paper Holders and Printers, of which the following is a specification.

This invention relates to certain new and useful improvements in combined roll paper holder and printer.

The object of the present invention is to improve the construction of the roll paper support or holder by equipping it with a printing device so that upon the withdrawal of paper from the roll, advertising matter such as the name of the store or the like, may be printed upon one face of the paper, prior to the severing of the paper from the roll.

A further object of the invention is the provision of a printing attachment combined with a roll paper support so as to form a part of the support, and so constructed that any desired printing matter may be stamped upon portion of the paper to be used for wrapping bundles, packages or the like, prior to the severing of that portion of paper from the roll.

Another object of the invention is to provide a roll paper holder equipped with friction rollers and a printing roller, said rollers being so mounted that by rotation of the friction rollers, the printing roller will be caused to rotate and stamp the printing matter upon one face of the paper.

With these and other objects in view, the invention consists in certain novel features, combination and arrangement of parts as will be hereinafter more fully described and set forth in the claims hereto appended.

In the drawing,

Figure 1 is a side elevation of the combined roll paper holder and printer made in accordance with this invention.

Figure 2 is a vertical longitudinal sectional view taken on the line 2-2 of Fig. 1, and,

Figure 3 is a transverse sectional view taken on the line 3-3 of Fig. 1.

Like numerals of references designate corresponding parts in all the figures of the drawings.

Referring to the drawing, the numeral 5 indicates a base of the usual paper support, and may be constructed of metal or wood as desired. Mounted upon this base or formed integral therewith is a cast frame 6, which includes the slitted paper supporting brackets 7 in which is journaled the ends of a shaft 8 upon which the roll of paper 9 is mounted.

It being understood that the brackets 7 permit the roll of paper 9 to freely rotate so that desired amounts of the paper may be used as required.

The frame 6 is extended to provide the printing supporting structure as at 10, and includes side portions which are provided with substantially U-shaped frames 11 which are in direct alignment with one another. The U-shaped frames 11 form guides in which are mounted the roller carrying blocks 12 as well as the printing roller carrying block 13.

In assembling the device a pair of the blocks 12 are mounted in the frames 11 and are adjustably held therein by screws 14 which are rotatably connected to the under side of the blocks and adjustably extend through the webs of the frames 11. These particular blocks 12 which are first mounted in the frame carry the feed roller or friction roller 15 which is adapted to engage the printing roller 16 adjacent each end thereof, the central portion of the printing roller having formed thereon a type carrying plate 17 so that any desired printing matter may be set up in the plate as indicated at A.

The printing roller 16 is mounted in the blocks 13 which are permanently secured centrally of their ends in the frames 11 by screws 18 or any other suitable fastening means.

Rotatably secured to the upper side of the blocks 13 are adjusting screws 19, their upper ends being threaded into another pair of roller carrying blocks 12 which are mounted in the frames 11, these last named blocks having journaled therein the printing plate ink supplying roller 20.

It is to be understood that all of the rollers mentioned are journaled for rotation in their respective blocks, and by virtue of engagement of the friction roller 15 with the portions of the printing roller 16, the printing plate will be rotated which in turn
engages the inking roller 20 receiving a coating of ink so as to depict an impression of the type in the roller plate upon that portion of the paper extending through the friction roller 15 and printing roller and plate 16 and 17 respectively.

To accommodate for a resilient pressure and to allow sufficient give when the type plate engages the roller 20, 1 mount in the upper portion of the frame coil springs 21 which have one end engaging the upper side of the uppermost blocks 12 and their free ends secured to a cover plate 23 secured to the upper portion of the frames 11 by means of removable fastening elements 23, such as bolts, screws, or the like. It will be seen that by this simple construction that a slight upward movement of the ink carrying roller is permitted and at the same time sufficient pressure is exerted between the printing roller and the ink carrying roller as to allow for a coating of ink over the type.

The frame 10 is so cast as to provide supports 24 and 25 to receive front and rear tension rollers 26 and 27 respectively. It will be noticed that the roller 26 mounted in the front of the frame is at a distance above the roller 27 equal to the distance between the friction roller 15 and printing roller 16, thus the portion of the paper extending under the roller 26, through the rollers 15 and 16 and over the roller 27 will be held substantially horizontal and receive a perfect impression of the type on that portion of the paper located between the rollers 15 and 16 respectively.

A transversely extending knife 28 having a cutting edge 29 is removably mounted in the rear of the machine in the frame 25 above the roller 27 so that after a desired amount of paper has been unwound from the roller it may be easily and quickly severed from the roller by contacting it with the cutting edge 29 of the knife.

It will be understood that a device made in accordance with this invention will be a self-advertising device for the firm, corporation or store using the same, in that it permits the user to print his name or any other kind of advertising he desires to use upon each and every package or bundle wrapped.

In assembling the device it is only necessary to first place the roller 15 into position, then secure the roller 16 to the frame 11 and mount the roller 20 in place, by virtue of the adjusting screws 14 and 19 of the rollers 15 and 20, the proper distance between the rollers may be easily obtained. The roll of paper is then mounted in the brackets 7 and the end of the paper is extended under the roller 26, forced through and between the rollers 15 and 16 and out over the roller 27.

The particular type desired to be used, or printing matter, is set up in the plate 17 of the roller 16, and after an application of ink is applied from the roller 20 to the type the device is ready for use.

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

1. A combined roll paper holder and printer comprising a cast frame having a base and spaced side standards, roll paper supporting means mounted in said side standards, a printer attachment mounted in said standards adjacent said paper supporting means and including a printing roller rigidly mounted in the side standards and a type carrying plate mounted on said printing roller, friction rollers adjustably mounted in said standards and in contact with said type carrying roller, an inking roller adjustably mounted in said standards above said type carrying roller and normally in contact with said type plate and guide rollers mounted in said standards horizontally to support the paper between the friction and printing roller.

2. A combined roll paper holder and printer comprising a support, a roll paper supporting means mounted upon the support, a printer attachment frame formed integral with said paper supporting frame, friction rollers adjustably mounted in said last named frame, a printing roller rigidly mounted in said frame upon said friction roller and in contact therewith, a type carrying plate formed on said printing roller, an inking roller adjustably mounted in said last named frame above the printing roller and normally in contact with said type plate, and guide rollers mounted in said frame to support the paper horizontally between the friction and printing roller.

3. A combined roll paper holder and printer including a base and side standards, a roll paper supporting means formed in said standards intermediate the ends thereof, a printer attachment including a printing roller rigidly mounted in said standards adjacent the roll paper support means, friction rollers carried by said printing roller, a type plate carried centrally of said printing roller, a second friction roller adjustably mounted in said standards below said printing roller and in normal contact with the friction rollers thereof, an inking roller mounted in said standards above said printing roller and normally in contact with the type plate thereof, and guide rollers mounted in said standards on opposite sides of the printing attachment for normally keeping the paper in horizontal alinement when passed between the printing and friction roller.

4. A combined roll paper holder and printer comprising a frame, a paper roll mounted in said frame, a printing roller...
mounted in bearings rigidly secured to said frame, a friction roller mounted in bearings adjustable with respect to said printing roller, an inking roller mounted in movable bearings, means to resiliently press said movable bearings toward the printing roller, adjustably fixed stops to limit the approach of the inking roller to the fixed roller and guide rollers mounted in said frame to support the paper longitudinally between the friction and printing rollers. In testimony whereof I hereunto affix my signature.

JORGEN I. HAASE.