

(No Model.)

W. SCOTT.

PROTECTING THE ENDS OF ROLLS OF PAPER.

No. 264,198.

Patented Sept. 12, 1882.

Fig. 1.

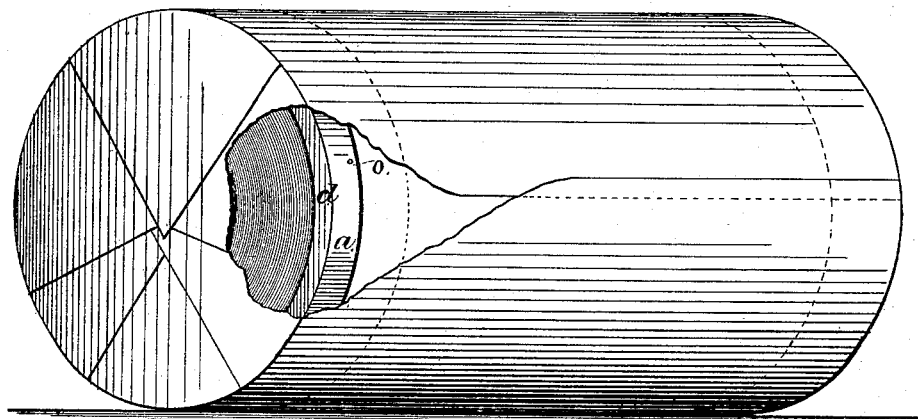


Fig. 2.

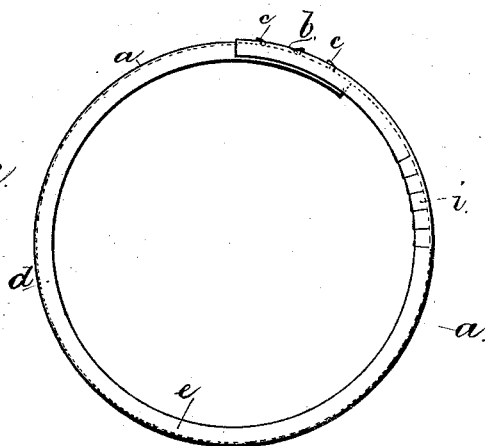
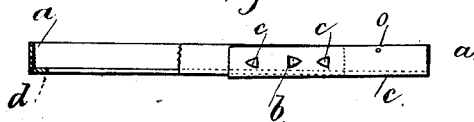


Fig. 3.



Witnesses
Harold Ferrell
Charles Smith

Inventor
Walter Scott
per *Emuel W. Ferrell*

UNITED STATES PATENT OFFICE.

WALTER SCOTT, OF PLAINFIELD, NEW JERSEY.

PROTECTING THE ENDS OF ROLLS OF PAPER.

SPECIFICATION forming part of Letters Patent No. 264,198, dated September 12, 1882.

Application filed November 30, 1881. (No model.)

To all whom it may concern:

Be it known that I, WALTER SCOTT, of Plainfield, in the county of Union and State of New Jersey, have invented an Improvement in Protecting the Ends of Rolls of Paper, of which the following is a specification.

Paper is extensively manufactured in the form of rolls and transported to the newspaper-printing presses and printed, and then cut up in the press previous to delivery. Paper of this character is often injured in transportation, especially at the ends, by being allowed to slide or fall on the end or edge, so that the paper will not run properly into the press, and portions of the roll have to be cut off before use.

My invention is made for protecting the edges of the paper at the ends of the roll; and it consists of flanged metallic bands that are adapted to be clasped around such ends, and to support the roll in transportation and to prevent injury by concussion.

In the drawings, Figure 1 is a representation of a roll adapted to transportation, with a portion of the outer wrapper removed to show my flanged band. Fig. 2 is a separate elevation, and Fig. 3 is a section of the said flanged band.

The metal band *a* is circular. It is adapted to pass around the roll of paper at the end, and there are mortises *b* in it near one end, and one or more hook-shaped projections, *c*, at or near the other end, whereby the band can be buckled around the paper or unbuckled for removal. The flange *d* is made to pass over the end of the roll of paper, and it is made of greater or less width according to the projection required, and this flange may be continuous, as seen at *e*, in which case the band will be stiff and can be varied but little in diameter; or the flange may be notched, as at *i*, to give greater flexibility. In applying these bands, one at each end of the roll of printing-paper, it is preferable to roll a strip of paper around each end, fold its projecting portion down upon the end, then place the flanged band upon the end, and buckle it up so that it holds upon its place, after which the heavy wrapping-paper is applied outside the flanged bands and paper-roll.

If desired, the flanged bands may be bent up out of metal that will allow them to be sprung open to place them upon the paper, and then the spring of the metal will cause such flanged bands to contract around the roll. In this case it will not always be necessary to use the buckling-tongues and mortises.

In cases where strings are employed with the roll there should be holes through the metal bands, as at *o*, through which such strings can be laced from one end band to the other.

These protectors for rolls of paper also facilitate the handling of the roll, as such roll can be moved by rolling it on the angle of the band without risk of injury or unnecessary friction upon the surface that it rests upon.

I do not claim a flanged head for receiving the end of the roll, as this has been used; but it cannot be fastened upon the roll by the wrapping-paper. My band, being open, will grasp around the roll of paper at the ends tightly.

I claim as my invention—

1. A protector for the ends of paper-rolls, formed of an open elastic flanged metallic band, substantially as specified, whereby the band can be distended and contracts around the roll at the end, substantially as specified.

2. An open circular metal band having an inward flange, and mortises and hooks by which to secure the ends together, for protecting the ends of paper-rolls, substantially as specified.

3. An open circular metal band having an inward notched flange and means for securing the ends of the flange together around the end of the paper-roll, substantially as specified.

4. A protector for the ends of paper-rolls, formed of an open elastic flanged metallic band, in combination with the wrapping of paper surrounding said metallic band and the roll of paper, substantially as specified.

Signed by me this 25th day of November, A. D. 1881.

WALTER SCOTT.

Witnesses:

HAROLD SERRELL,
WILLIAM G. MOTT