No. 611,373. Patented Sept. 27, 1898.

H. BLACKMAN, H. CONE & B. J. NEILL.

WRAPPING AND PACKAGE CONTAINING PAPER.

(No Model.) (Application filed Dec. 8, 1896.)

Fig. 1.

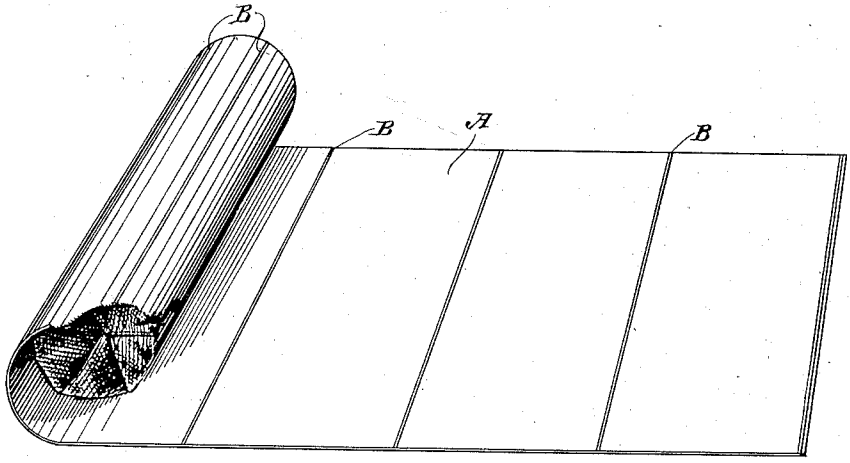
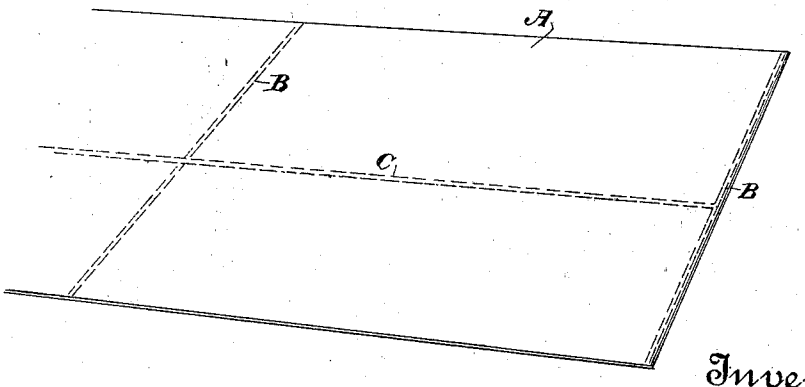


Fig. 2.



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UNITED STATES PATENT OFFICE.

HORACE BLACKMAN, HENRY CONE, AND BURTON J. NEILL, OF SAN FRANCISCO, CALIFORNIA.

WRAPPING AND PACKAGE-CONTAINING PAPER.

SPECIFICATION forming part of Letters Patent No. 611,373, dated September 27, 1898.

Application filed December 8, 1896. Serial No. 614,941. (No specimens.)

To all whom it may concern:

Be it known that we, HORACE BLACKMAN, HENRY CONE, and BURTON J. NEILL, citizens of the United States, residing in the city and county of San Francisco, State of California, have invented an Improvement in Wrapping and Package-Containing Paper; and we hereby declare the following to be a full, clear, and exact description of the same.

Our invention relates to improvements in paper for wrapping and containing packages.

It consists, essentially, in strengthening the edges or body of the paper by the insertion of flexible annealed strips of metal or other material and in certain details of construction, which will be more fully explained by reference to the accompanying drawings, in which—

Figure 1 is a view showing the application of our device to roll-paper. Fig. 2 is a modification to be referred to.

The object of our invention is to provide wrapping and package-containing paper with yielding strengthening-strips having sufficient rigidity to hold the package together by folding over the ends after it is made up, as well as to prevent the rupture of the paper when employed for packing heavy or angular substances.

A is the sheet of paper, which may either be made in definite or fixed sizes or it may be manufactured in rolls, as is now commonly the practice.

B is a strip, preferably made of flexible annealed metal, which will yield and bend in any direction, but having no elasticity, so that when folded it will maintain its position. In roll-paper, Fig. 1, these strips may be fixed across the paper either by forming transverse pockets to receive the strips or they may be embedded in the paper during the processes of manufacture, which is a preferable way. These strips are extended across the paper at such intervals as may be desired, so that when the paper is torn off one or more of the strips may be left in the portion which is to be used for the wrapper.

The article to be wrapped being properly enveloped by the paper the strip which forms the outer edge maintains this edge in a straight line, and the ends of the paper being folded in to inclose the ends of the package the ends of the strip are then folded over, so as to retain the paper in place without the use of cord or string.

This wrapper is especially useful for bottles and packages of such shape that it is impossible or difficult to tie them with a string so that the string will remain in place, the strip folded over the ends being amply sufficient for this purpose.

In Fig. 2 we have shown the paper formed with strips B and C, extending across each other and embedded in or secured to the paper, so as to provide a strengthening medium in both the direction of the length and the width, this being especially useful for extremely heavy rough packages, such as are being constantly made up in hardware and similar goods, and paper made in this way may be employed for the manufacture of permanent bags or packages of considerable size, so as to give them the necessary strength to hold their contents.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. As a new article of manufacture, wrapping fabric having a series of bendable pieces secured thereto and located at intervals to permit the separation of portions of the fabric of various sizes, said bendable pieces being capable of remaining in any shape to which they are bent, substantially as described.

2. As a new article of manufacture, a roll or web of wrapping fabric having a series of parallel bendable pieces embedded therein and extending transversely across the fabric from one side to the other and located at intervals to permit portions of the fabric of various lengths to be severed from the main portion, the said bendable pieces being capable of remaining in any shape to which they are bent, substantially as described.

In witness whereof we have hereunto set our hands.

HORACE BLACKMAN.
HENRY CONE.
BURTON J. NEILL.

Witnesses:
H. A. SHEPPARD,
E. MAYO.