No. 803.713. PATENTED NOV. 7, 1905.

H. M. REYNOLDS.

ROOFING PACKAGE.

APPLICATION FILED SEPT. 30, 1904.

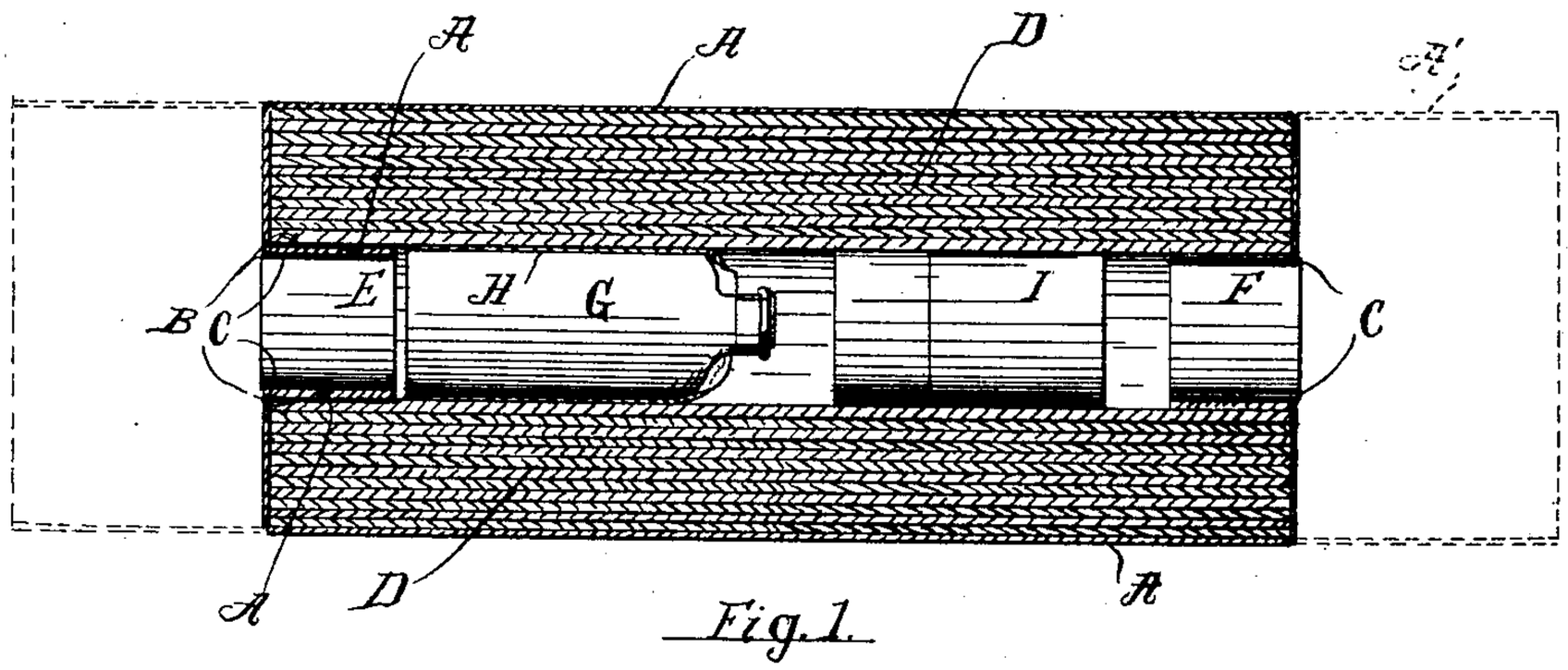

Fig. 1.

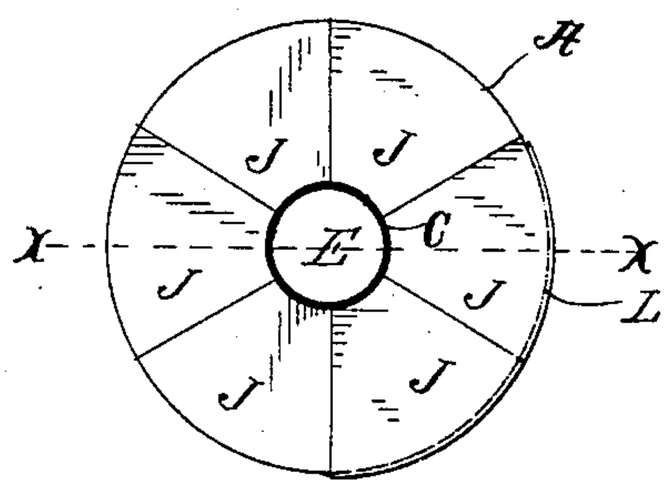

Fig. 2.

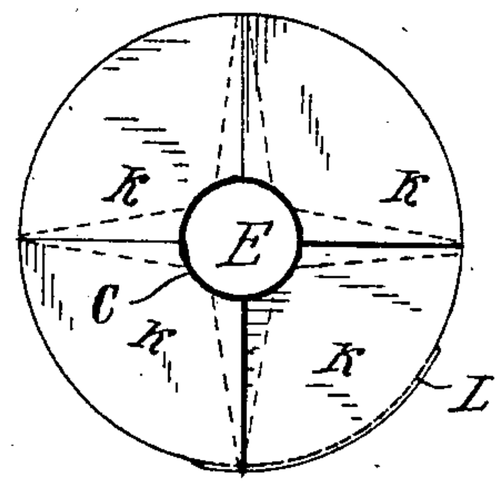

Fig. 3.

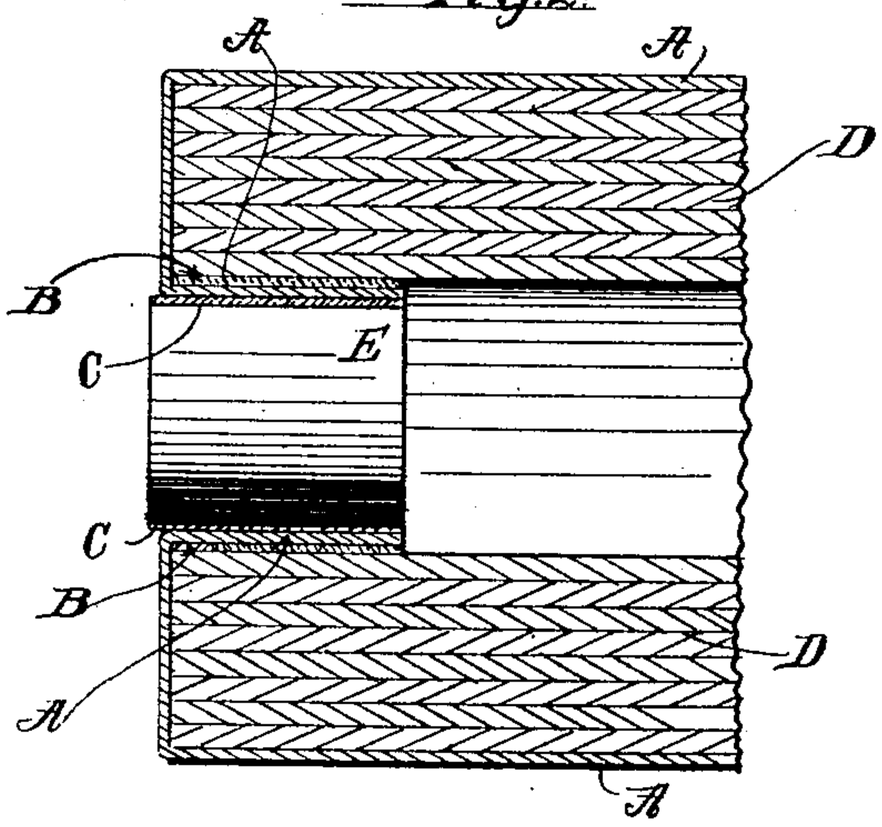

Fig. 4.

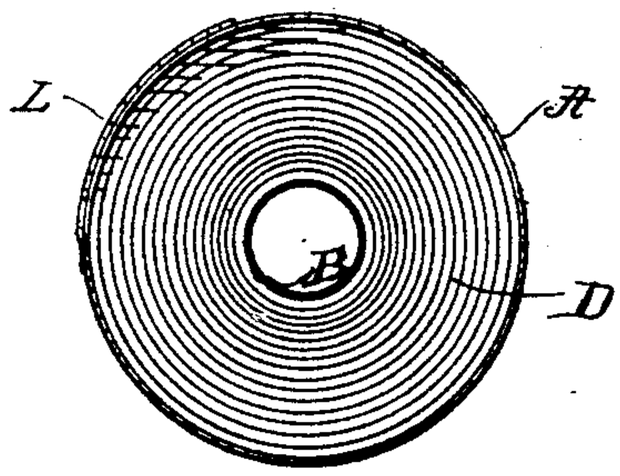

Fig. 5.

Witnesses

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HERBERT M. REYNOLDS, OF GRAND RAPIDS, MICHIGAN.

ROOFING-PACKAGE.

No. 803,713. Specification of Letters Patent. Patented Nov. 7, 1905.

Application filed September 30, 1904. Serial No. 226,714.

To all whom it may concern:

Be it known that I, HERBERT M. REYNOLDS, a citizen of the United States, residing at Grand Rapids, in the county of Kent and State of Michigan, have invented new and useful Improvements in Roofing-Packages, of which the following is a specification.

This invention relates to a new and useful roofing-package; and the invention consists in the combination and arrangement of parts hereinafter described and claimed.

The objects of the invention are, first, to produce a roll of flexible roofing securely protected by means of an outer covering, so that the same may be shipped safely without injury to the roofing, and provided with a suitable internal receptacle for retaining such trimmings as are usually used in applying the roofing to a building; second, to provide an improved means for securing the ends of the wrapper which covers the roll of roofing, inclosing the ends of the central aperture caused by forming the flexible roofing into a roll; third, other objects hereinafter described and claimed. These objects I accomplish by means of the mechanism illustrated in the accompanying drawings, in which—

Figure 1 shows a longitudinal central sectional view of a roofing-package constructed in accordance with my invention, the same being taken on line *x x* of Fig. 2. Fig. 2 shows an end view of the completed roll in which the extended portion of the wrapper has been cut out so as to fit closely and be retained in place by the plug or closure. Fig. 3 shows also an end view in which the extended wrapper is folded into the end of the roll and secured by means of a plug, the wrapper being folded upon itself, as shown by dotted lines. Fig. 4 shows a longitudinal central sectional view, on an enlarged scale, for the purpose of illustrating more fully the method of making the closure of the ends of the central opening. Fig. 5 is a transverse sectional view of the roll or package, taken near one end thereof, showing the inner surface provided with an adhesive material.

Similar letters refer to similar parts throughout the several views.

A represents the flexible wrapper, constructed of any suitable material of sufficient length to extend beyond the roll, as shown by dotted lines in Fig. 1, which extensions are folded into the central opening and secured therein, as hereinafter described. Near the ends of the package is an inner coating of adhesive material—such as glue, cement, or other suitable substance—as shown by B.

C indicates a covering of adhesive material between the folded-in end of the wrapper and the plugs for closing the ends of the roll.

D shows the roll of flexible roofing material.

E and F are the plugs which are used for closing the ends of the central opening through the roll. The portion of the wrapper at each end of the roll is folded into the central opening, as shown more fully in Fig. 4, and is attached to the inner periphery of said opening by means of an adhesive coating B. The plug E is then driven into the roll, retaining the wrapper securely in place, and I use cement, as shown by C, between the plug and that portion of the wrapper folded into the central opening. The other end of the roll, which in the drawings is closed by F, is closed in precisely the same way as the end which is closed by the plug E. Between the plugs E and the plugs F there is an aperture or receptacle for the receipt of a glue-receptacle G and a nail-receptacle I or for receipt of any other material which it is desired to store within the package. Ordinarily glue and nails constitute the trimmings to go with the roll. The receptacle between the plugs E and F is indicated by H.

In Fig. 2 I have shown that portion of the wrapper which extends between the roll and roofing material as cut into panels J J J, &c., so as to fold the wrapper into the openings without overlapping itself, and this construction is necessary where the wrapper is made of strong fibrous material and of considerable weight.

In Fig. 3 I have shown the closure made by folding the wrapper A into the hole without cutting, but overlapping itself, as indicated by dotted lines, the spaces between the laps being shown by K. Either form may be used.

The wrapper is of sufficient length to overlap itself and have its ends secured together with glue or other suitable adhesive material, as shown in Fig. 5 at L.

By constructing the roofing-package in the manner described the flexible roofing is thoroughly protected from injury in case of shipment and may be transported to almost any distance without depreciation.

The central opening or receptacle is adapted to carry the trimmings which go with a roll of roofing, so that when the roofing arrives at its destination it can be readily applied to a build-

ing even by an unskilled person, it being my design to have each roll or package contain just sufficient material to apply the same to the roof.

In practice I usually furnish a roll of sufficient size to cover what is called a "square," or one hundred square feet, and it is evident that the roll may be larger or smaller, if required.

Having thus described my invention, what I claim to have invented, and desire to secure by Letters Patent, is—

The combination with a roll of flexible roofing material having a central receptacle directly formed thereby and extending entirely therethrough, of a flexible covering applied around the said roll and having its ends folded against and projected into the openings at each end of the roll, the latter having the wall of the receptacle adjacent to the ends provided with an adhesive coating for securing the inwardly-projected ends of the flexible covering, and a plug inserted in each end of the roll against the inwardly-projected end of the flexible covering at the point where the plug is inserted, and secured to the covering by an adhesive material, the plugs at opposite ends of the roll completely closing the receptacle and adapting the latter to receive roofing accessories.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

HERBERT M. REYNOLDS.

Witnesses:
EDWARD TAGGART,
MARY S. TOOKER.