(No Model.)

W. L. & H. HEBERLING.

ROOFING PACKAGE.

No. 405,311. Patented June 18, 1889.

Fig. 1.

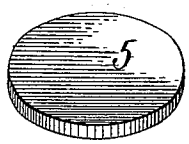


Fig. 2

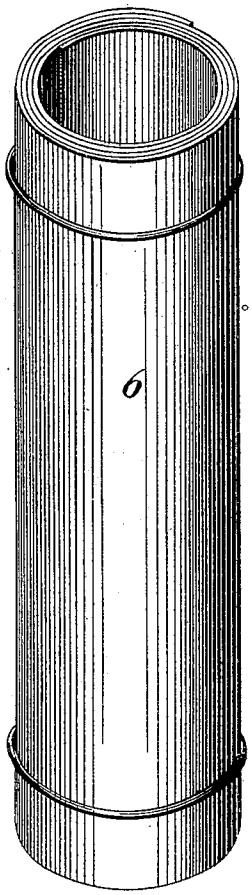


Fig. 3.

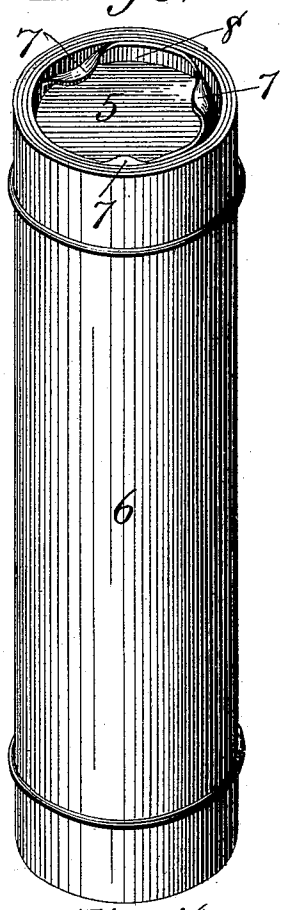
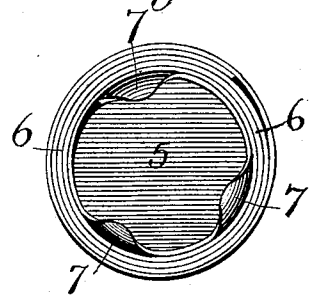


Fig. 4.



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UNITED STATES PATENT OFFICE.

WILLIAM L. HEBERLING AND HENRY HEBERLING, OF HAVANA, ILLINOIS.

ROOFING-PACKAGE.

SPECIFICATION forming part of Letters Patent No. 405,311, dated June 18, 1889.

Application filed August 20, 1888. Serial No. 283,292. (No model.)

To all whom it may concern:

Be it known that we, WILLIAM L. HEBERLING and HENRY HEBERLING, citizens of the United States, residing at Havana, in the county of Mason and State of Illinois, have invented certain new and useful Improvements in Sheet-Metal-Roofing Packages; and we do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

The object of our invention is a better form for packing sheet-metal roofing for market, more particularly a better means for securing heads in the ends of roll-roofing to support its walls and inclose its central cavity for a storage-chamber.

The method heretofore practiced of winding the roofing upon the heads and nailing through its first coil into them to retain them is very objectionable, not only because of the annoying interruptions necessitated to insert the contents of the storage-chamber and drive the nails at intervals while the first coil is being wound, but because the nails are at all permissible only so near the edge of the metal that the head, in order to receive them, must be placed flush with the end of the roll, which leaves the package very unpleasant to handle for lack of a margin at the rim for a hand-hold. Moreover, the contents of the package cannot be removed or inspected without first unwinding the entire roll, and the use of the nails, even near the edge of the roofing, which is sometimes torn in removing them, is a decided injury to it. We avoid these objectionable features by the use of very simple means, which will be better understood by reference to the accompanying drawings, in which like parts are designated by the same numbers.

Figure 1 is a plain circular head. Fig. 2 is a roll of metal roofing. Fig. 3 shows the head in the end of the roll. Fig. 4 is an end view of the headed roll.

We first roll our roofing to a given internal diameter, and securely wire it, as in Fig. 2. While these rolls stand on end we drop into one of them a temporary support for a head. Then placing the head 5 into the roll 6, which it fits neatly, we settle it with hammer or mallet sufficiently down within the roll to leave a margin for a convenient hand-hold inside the rim, as at 8, Fig. 3, where the head rests upon the temporary support within the roll. Then at two or more points around the rim of the roll, with a proper tool we bend the edge of one or more of the inside coils of the roofing in, as at 7, Figs. 3 and 4, upon the head 5, thus securing it against any tendency to move outward.

Having thus secured the head in one end of the roll, this end is placed down and the temporary support removed at the open upper end, leaving the storage-chamber within the roll ready to receive the roofing accompaniments. These vary with different roofings, consisting, generally, of seam-caps, cleats, and nails, and sometimes including tools and dry paint. We so pack these as to support the inner sides of the heads, using seam-caps especially of such length as to brace the heads apart against their outer fastenings, but do not limit ourselves to these for said purpose. When the contents have been placed in the storage-chamber, we insert the second head, force it against the contents, and secure it by turning in upon it the edge of one or more of the inside coils of the roll in substantially the same manner as with the first. The advantages of this method of packing are obvious. It involves few changes of process and is economical. It is thoroughly efficient and makes a convenient package for handling, transportation, and storage. Its heads can be readily removed and replaced and its contents inspected, and its construction is not in the least injurious to the materials.

What we claim as new, and desire to secure by Letters Patent, is—

1. A roll of roofing with an edge of one or more of its inside coils turned in as a retaining device.

2. A roll of roofing with one or more supporting-heads retained therein by an inturned edge on one or more of the inside coils of the roll.

3. A roll of roofing with one or more ends

of a storage-chamber retained therein by an inturned edge on one or more of the inside coils of the roll.

4. A roll of roofing with one or more end pieces secured within it against a resisting device by an inturned edge on one or more of the inside coils of the roll.

5. A roll of roofing with one or more supporting-heads secured against accompaniments stored therein by an inturned edge on one or more of the inside coils of the roll.

In testimony whereof we affix our signatures in presence of two witnesses.

WM. L. HEBERLING.
HENRY HEBERLING.

Witnesses:
JOHN LALLY,
W. H. HALL.