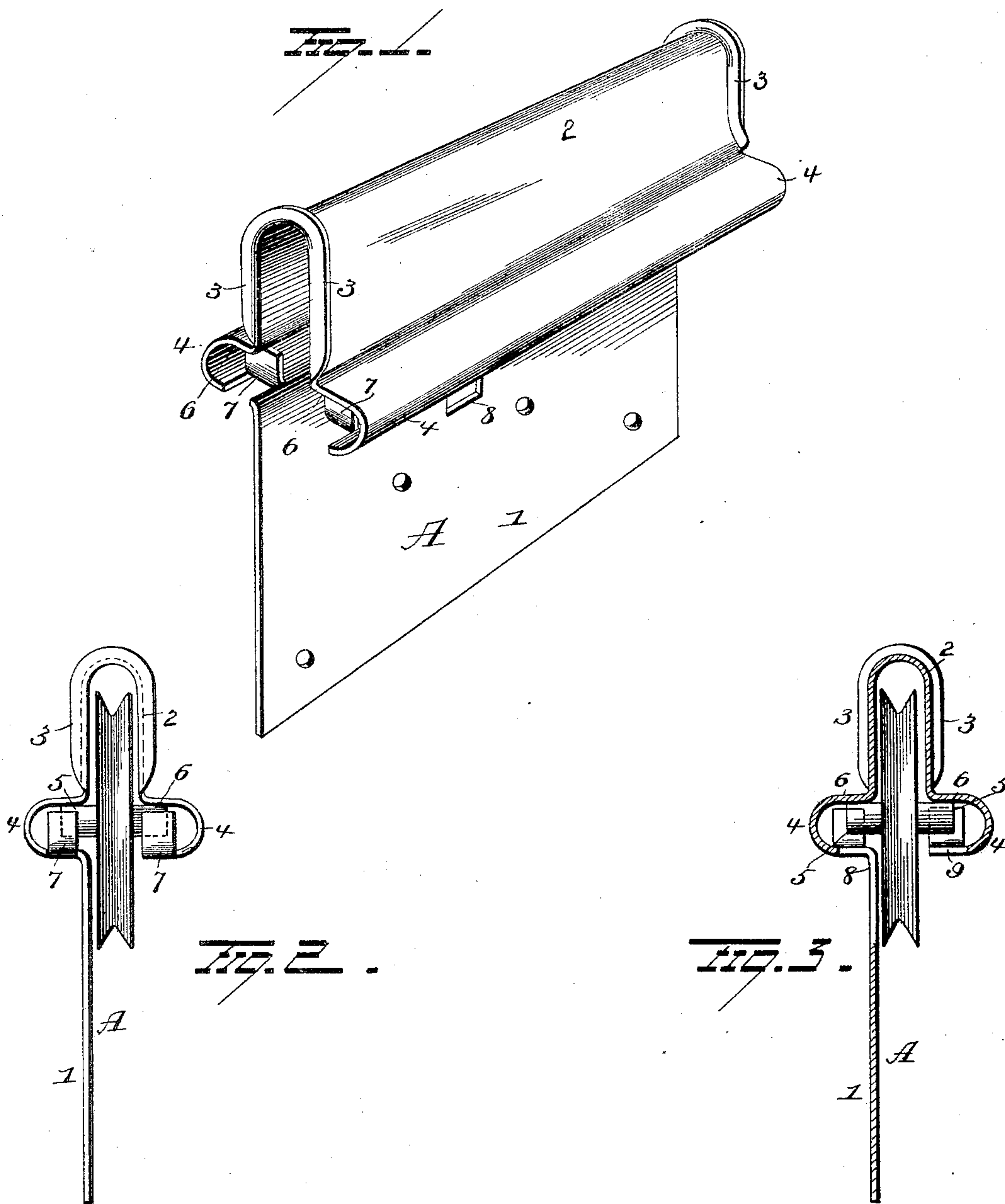


(No Model.)

LE GRAND TERRY.
DOOR HANGER.

No. 454,304.

Patented June 16, 1891.



Witnesses
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UNITED STATES PATENT OFFICE.

LE GRAND TERRY, OF HORSEHEADS, NEW YORK.

DOOR-HANGER.

SPECIFICATION forming part of Letters Patent No. 454,304, dated June 16, 1891.

Application filed January 23, 1891. Serial No. 378,801. (No model.)

To all whom it may concern:

Be it known that I, LE GRAND TERRY, of Horseheads, in the county of Chemung and State of New York, have invented certain new and useful Improvements in Door-Hangers; and I 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.

My invention relates to an improvement in door-hangers.

The object is to provide a device of few parts constructed in such a way that they may be easily assembled and when completed produce a cheap and durable article.

With this end in view my invention consists in a sheet-metal plate blanked and bent into proper shape to form rider-bars and flanges, in combination with a wheel or roller and suitable means for insuring the retention of the parts together and readily separating them when the exigency may require it.

In the accompanying drawings, Figure 1 is a view in perspective of my improved hanger. Fig. 2 is an end elevation, and Fig. 3 is a transverse section through the hanger.

A represents a blank of sheet metal. This may be cut in different sizes, as the case may be, for different-sized hangers. The blank is bent, substantially as shown in Fig. 3, so as to comprisesubstantiallytwo parts—namely, the body 1 and the top or roof 2, the two being preferably integral with each other, though notnecessarilyso. The top or roof 2 is formed by folding the upper end of the blank over, and to add to the strength of the hanger the edges are provided with strengthening-flanges 3 3. In addition to this main bend, which forms the roof of the hanger, the blank is provided with two lateral bends 4 4, opposite each other and extending the entire length of the hanger. The recesses formed by these bends are adapted to receive the ends 5 5 of the wheel, and the upper flanges of the bends form bearings 6 6, which rest on the wheel-axle. At the ends of the flanges tongues 7 7 are bent across the space to retain the wheel in bounds. The width of the space between lateral bends is a trifle wider than the wheel to give ample clearance, and narrower than

the length of the axle, so that aside from some provision to accomplish it when once the parts are assembled it would be impossible for them to become accidentally displaced.

Provision is made for separating the parts in the following manner: The tongues 7 7 may be bent down at one end in order to remove the wheel from the hanger-plate, and then be bent across the space again.

Still another, perhaps more convenient, provision is made for the removal of one part of the device from the other, and this consists in the slots 8 and 9, formed in the lower flanges of the bends. One of these slots is elongated and extends well into the main plate or body of the device. By moving the plate or the wheel until the axle of the latter is opposite the slot and then raising the hanger-plate the wheel will drop through the slot and out of the hanger. Of course when in its normal position, with the weight of the hanger and the attached door supported on the axle of the wheel, there is no possibility of the wheel dropping out, because the axles cannot enter the slots.

The top or roof furnishes a covering for the wheel and the flanges prevent ice, snow, water, or dirt from accumulating around the wheel and its axle, the tongues prevent the wheel from rolling out of the hanger, and the body of the hanger constitutes an extended bearing for attachment of the door.

It is evident that slight changes might be resorted to in the form and arrangement of the several parts described without departing from the spirit and scope of my invention, and hence I do not wish to limit myself to the exact construction herein set forth; but,

Having fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a door-hanger, the combination, with a plate constructed to form two leaves, each leaf having a lateral recess formed therein outside of the plane of the leaves, of a wheel the axles of which are adapted to enter the lateral recesses of the leaves, substantially as set forth.

2. A door-hanger comprising a main or body portion bent to form two leaves and each leaf bent to form a lateral recess adapted to receive the axles of a wheel, the upper por-

tions of the recesses adapted to form extended bearings to ride on the axles of the wheel and the lower portions provided with slots for the passage of the wheel-axles in assembling
5 or disassembling the parts of the hanger, substantially as set forth.

3. A door-hanger consisting of a sheet-metal blank bent to form oppositely-located lateral recesses for the reception of the axle
10 of a wheel, said recesses having slots formed in their lower portions, substantially as set forth.

4. The combination of a sheet-metal blank bent to form a main body portion and a roof
15 or top portion, oppositely-located bends or

flanges, and tongues at the ends of the bends or flanges adapted to retain the axle of a wheel, substantially as set forth.

5. A door-hanger consisting of a sheet-metal blank having lateral recesses adapted to receive the axle of a wheel, said recesses having
20 slots leading thereto, and a tongue constructed to close their ends, substantially as set forth.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.
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LE GRAND TERRY.

Witnesses:

H. J. WELLER,

H. P. PRENTICE.