

(No Model.)

D. PETERS.
RING FOR HAND RAILS.

No. 302,773.

Patented July 29, 1884.

Fig. 1.

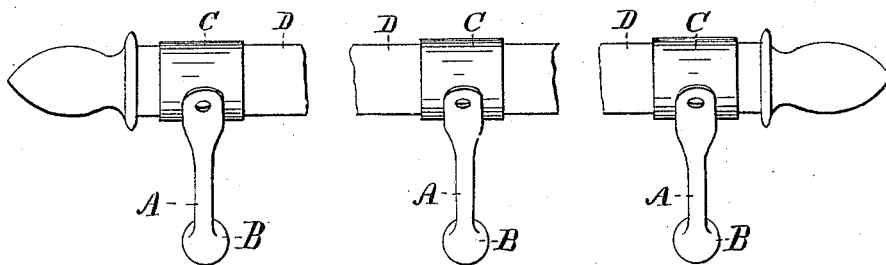


Fig. 2.

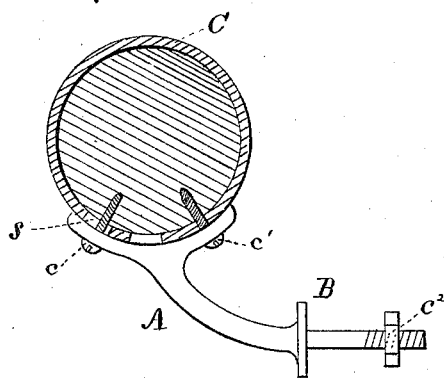
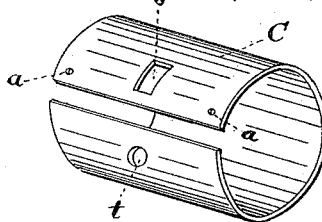


Fig. 3.



Attest:

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UNITED STATES PATENT OFFICE.

DANIEL PETERS, OF CINCINNATI, OHIO.

RING FOR HAND-RAILS.

SPECIFICATION forming part of Letters Patent No. 302,773, dated July 29, 1884.

Application filed May 27, 1884. (No model.)

To all whom it may concern:

Be it known that I, DANIEL PETERS, a citizen of the United States, residing at Cincinnati, Ohio, have invented new and useful Improvements in Rings for Hand-Rails, of which the following is a specification.

My invention relates to holding-rings for hand-rails, such as are ordinarily employed in connection with store-counters and in similar situations; and it consists in an improved construction of such rings, enabling them to be applied to rails of various sizes, or to a rail of varying diameter, and to be reset while in use, to accommodate shrinkage of the rail, as hereinafter described.

In the accompanying drawings, illustrating my invention, Figure 1 is a front view or elevation of an ordinary hand-rail supported in rings attached to holding-brackets; Fig. 2, an enlarged section of the rail and holding ring, showing the bracket and fastening-screws; and Fig. 3 a perspective view of the holding-ring detached.

Referring to the drawings, C designates the holding-ring; D, the rail; A, the bracket provided with the shoulder B and retaining-nut e^2 .

As heretofore constructed the holding-ring was an ordinary ring of metal, with a central perforation, adapted to slip over the rail. There being no provision for increasing or diminishing the diameter of said aperture, the rail must of necessity be of uniform diameter throughout, in order to permit the slipping of the ring to its position; but as such uniformity is in practice not always attainable, more or less difficulty was experienced in thus adjusting the rings to place. Moreover, the shrinkage of the material of the rail left the former too large for the rail, producing an unsightly fit and a loose and inefficient connection. My improvement seeks to overcome these difficulties, and does so by substituting a ring, C, split longitudinally at one side, thus permitting a circumferential enlargement or diminution of the same, as required, adapting it to be applied to varying sizes of rails within reasonable limits, and slipped to place with-

out regard to the inequalities in the diameter of the rail to which it may be applied. The ring so constructed is further provided with the usual screw-hole, t , by which it is secured to the bracket and rail by the screw e' , and with a corresponding slot, s' , at the other side of the longitudinal slit, for the passage of the second holding-screw, e , the relation of the parts being clearly shown in Fig. 2. The slot s , being elongated in the circumferential plane of the ring, it is only necessary, in adjusting the ring to the rail, to compress it by circumferential pressure and then tighten the holding-screw e , thus clamping the ring firmly between the bracket and rail and retaining it in position. Any further adjustment rendered necessary by shrinkage of the rail may be effected in the same manner. Supplemental screw-holes a may be provided, by which the ring may be more securely held, by screws applied after the ring is finally adjusted to its position. It will be obvious that the same practical results could be attained by providing an ordinary screw-hole in place of the slot s and forming the slot in the bracket-arm, and such construction I conceive to be within the spirit of my invention.

I claim as my invention, and desire to secure by Letters Patent of the United States—

1. A ring for holding hand-rails to their supporting-brackets, provided with a longitudinal split or opening at one side, adapting it to slip over rails of unequal diameter, or to be readjusted to the rail in case of shrinkage of the latter, substantially as set forth.

2. A holding-ring for hand-rails, having a longitudinal split or opening, and provided with a screw-hole at one side of the split and an elongated slot at the other, substantially as and for the purpose set forth.

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

DANIEL PETERS.

Witnesses:

L. M. HOSEA,
C. SHAPPELL.