

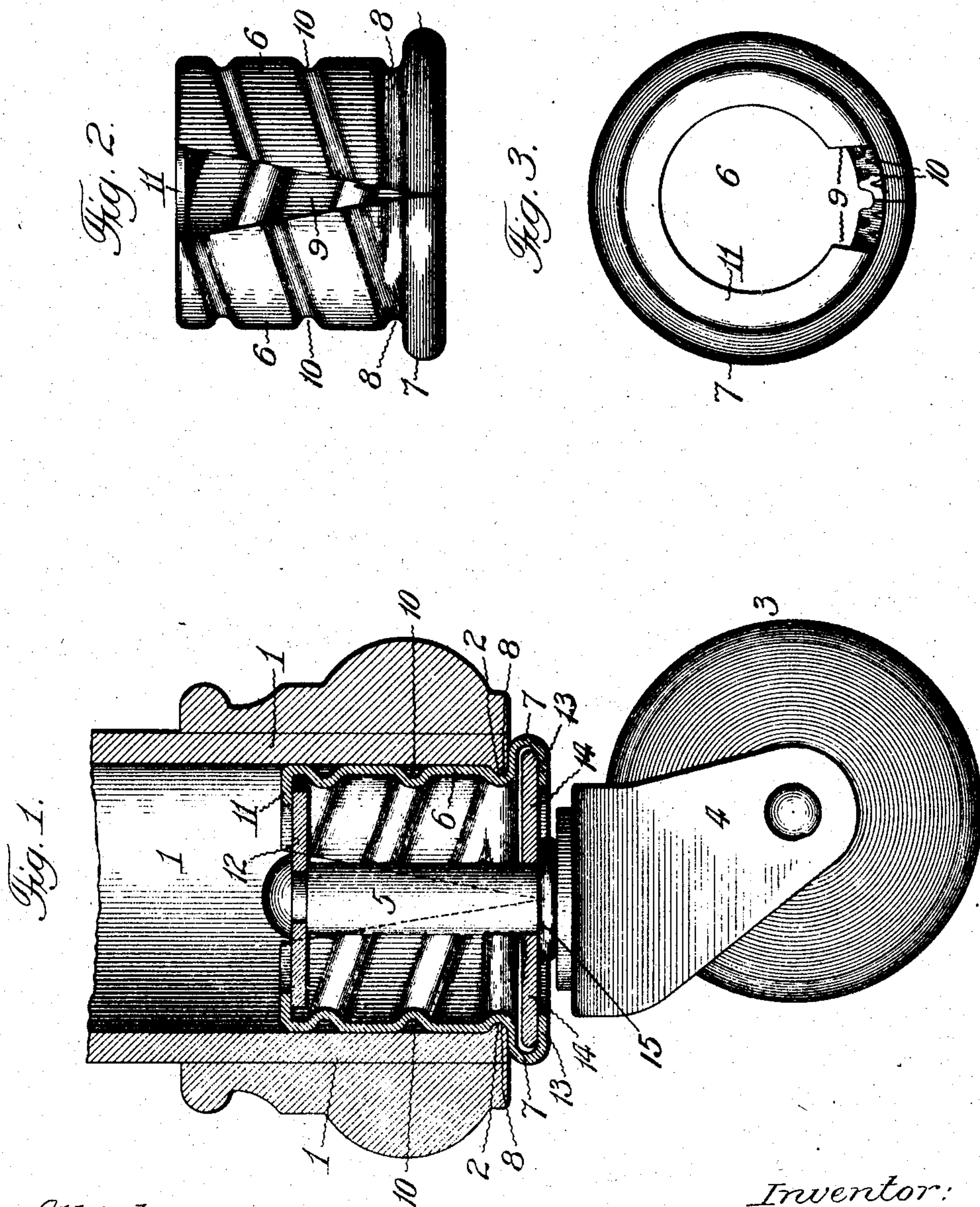
No. 772,863.

PATENTED OCT. 18, 1904.

F. F. BISCHOFF.
CASTER.

APPLICATION FILED DEC. 21, 1903.

NO MODEL.



Attest:

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FREDERICK F. BISCHOFF, OF CHICAGO, ILLINOIS.

CASTER.

SPECIFICATION forming part of Letters Patent No. 772,863, dated October 18, 1904.

Application filed December 21, 1903, Serial-No. 185,911. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK F. BISCHOFF, a citizen of the United States of America, and a resident of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Casters, of which the following is a specification.

The present invention relates to that type of furniture-casters used upon iron bedsteads, and has for its object to provide a simple and efficient socket or bushing adapted by convenient attachment to the bore of a tubular iron bedpost to afford a substantial connection of the caster to such post, all as will hereinafter more fully appear and be more particularly pointed out in the claims.

In the accompanying drawings, illustrative of the present invention, Figure 1 is a vertical axial sectional elevation of a caster embodying the present improvements. Fig. 2 is a side elevation of the socket or bushing detached. Fig. 3 is a top view of the same.

Similar numerals of reference indicate like parts in the different views.

Referring to the drawings, 1 represents the lower portion of a tubular iron bedpost having the usual inturned flange 2 at its lower end, and which flange or rim is usually formed by an inward displacement of the metal of the post in cutting the same from a piece of tubing by an ordinary pipe-cutter.

3 is the caster-wheel, journaled in a yoke or frame 4, which in turn carries the vertical caster-pintle 5 in the usual manner, such parts being of any usual form and construction.

6 is the socket or bushing of the present invention, of a diameter approximating the internal diameter of the tubular bedpost 1 and provided at its lower end with an outturned marginal rim or flange 7, adapted to abut against the lower end of the bedpost to maintain the bushing at the lower end of the bedpost in a firm and substantial manner.

8 is an annular depression in the circular wall of the bushing immediately adjacent to the rim or flange 7 aforesaid and adapted to engage with the inturned flange 2 of the bedpost to prevent accidental disengagement of the bushing.

9 is a split or gap formed in the side of the

bushing and extending the vertical height of the same, and which permits of the bushing being contracted in its circumference in the operation of inserting the bushing into place in the bore of the tubular bedpost 1. In the preferred form of the present invention, as shown in the drawings, such split or gap is of a triangular shape, with the greatest width at top, so that the top portion of the bushing can receive the greatest degree of contraction in the operation of inserting the bushing in place to greatly facilitate such operation.

10 is a spiral depression formed in the circular wall of the bushing from top to bottom and which merges into the annular depression 8 aforesaid. During the operation of inserting the bushing into place such spiral groove is adapted to have engagement with the inturned flange 2 of the bedpost, so that with a turning movement imparted to such bushing the same will screw into place in a ready and easy manner.

11 is an inturned flange at the upper end of the bushing, against which a washer or collar 12 on the upper end of the caster-pintle 5 has bearing, as illustrated in Fig. 1.

13 is an annular inturned fold of the bottom flange or rim 7 aforesaid and adapted to form an annular receiving-pocket for a disk or collar 14, which surrounds the base portion of the aforesaid pintle and has bearing upon the pintle-boss 15 of the caster-frame 4.

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

1. A holding-bushing for casters, comprising an open-sided sleeve, having an outturned abutment-rim at its lower end, and a reëntering annular depression immediately above said rim and adapted for engagement with an inturned flange or bead on the lower end of a tubular bedpost, substantially as set forth.

2. A holding-bushing for casters, comprising an open-sided sleeve having an outturned abutment-rim at its lower end, a spiral depression in its periphery, and an annular depression adjacent to said rim and adapted for engagement with an inturned flange or bead on the lower end of a tubular bedpost, substantially as set forth.

3. A holding-bushing for casters, comprising a cylindrical sleeve, having a longitudinally-arranged triangular gap in its periphery, an outturned abutment-rim at its lower
5 end, and an annular depression adjacent to said rim and adapted for engagement with an inturned flange or bead on the lower end of a tubular bedpost, substantially as set forth.

4. A holding-bushing for casters, comprising
10 a cylindrical sleeve having a longitudinally-arranged triangular gap in its periphery, an outturned abutment-rim at its lower end, a spiral depression in said periphery, and an annular depression adjacent to said rim and
15 adapted for engagement with an inturned flange or bead on the lower end of a tubular bedpost, substantially as set forth.

5. The combination in a caster, of a holding-bushing consisting of an open-sided sleeve
20 having an outturned abutment-rim at its lower end, an inturned annular fold on said rim forming an annular receiving-chamber, an annular depression adjacent to said rim and adapted for engagement with an inturned
25 flange on the lower end of a tubular bedpost, and an inturned bearing-flange at its upper end, a pintle provided with bearing-washers at its upper end and base, and a caster-wheel carried by said pintle, substantially as set forth.

30 6. The combination in a caster, of a holding-bushing consisting of an open-sided sleeve having an outturned abutment-rim at its lower end, an inturned annular fold on said rim forming an annular receiving-chamber, an
35 annular depression adjacent to said rim and adapted for engagement with an inturned flange on the lower end of a tubular bedpost, a spiral depression in its periphery, and an

inturned bearing-flange at its upper end, a pintle provided with bearing-washers at its
40 upper end and base, and a caster-wheel carried by said pintle, substantially as set forth.

7. The combination in a caster, of a holding-bushing consisting of a cylindrical sleeve
45 having a longitudinally-arranged triangular gap in its periphery an outturned abutment-rim at its lower end, an inturned annular fold on said rim forming an annular receiving-chamber, an annular depression adjacent to
50 said rim and adapted for engagement with an inturned flange on the lower end of a tubular bedpost, and an inturned bearing-flange at its upper end, a pintle provided with bearing-washers at its upper end and base, and a caster-wheel carried by said pintle, substantially as
55 set forth.

8. The combination in a caster, of a holding-bushing consisting of a cylindrical sleeve
having a longitudinally-arranged triangular
60 gap in its periphery an outturned abutment-rim at its lower end, an inturned annular fold on said rim forming an annular receiving-chamber, an annular depression adjacent to said rim and adapted for engagement with an
65 inturned flange on the lower end of a tubular bedpost, a spiral depression in its periphery, and an inturned bearing-flange at its upper end, a pintle provided with bearing-washers at its upper end and base, and a caster-wheel carried by said pintle, substantially as set forth.
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Signed at Chicago, Illinois, this 17th day of December, 1903.

FREDERICK F. BISCHOFF.

Witnesses:

ROBERT BURNS,
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