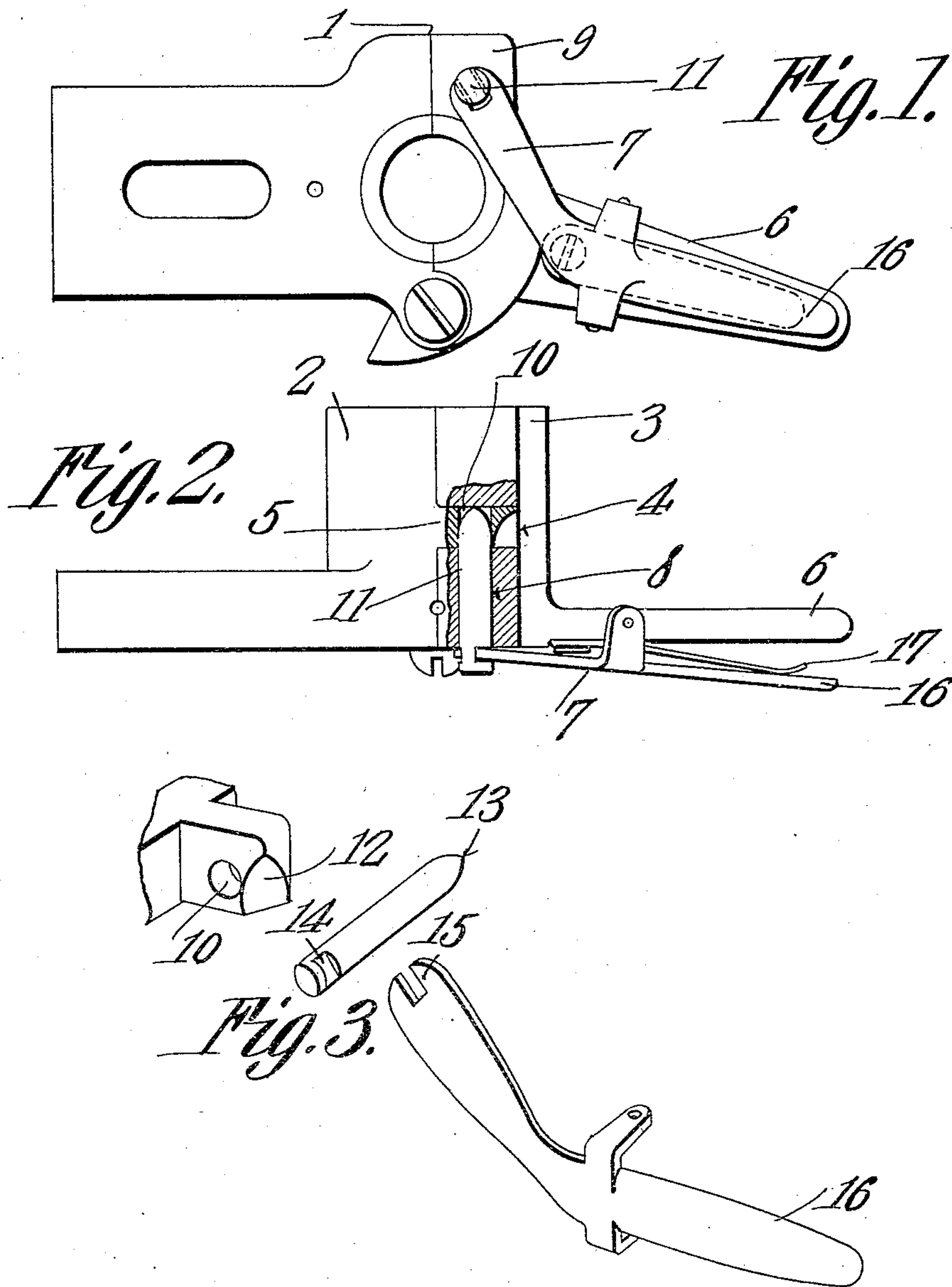


W. P. RODMAN.
BEARING.
APPLICATION FILED SEPT. 16, 1908.

930,232.

Patented Aug. 3, 1909.



Inventor

Walter P. Rodman

By *Cashner & Co.*
Attorneys

Witnesses

Mason B. Lawton.

UNITED STATES PATENT OFFICE.

WALTER PIERSON RODMAN, OF BROOKLYN, NEW YORK.

BEARING.

No. 930,232.

Specification of Letters Patent.

Patented Aug. 3, 1909.

Application filed September 16, 1908. Serial No. 453,304.

To all whom it may concern:

Be it known that I, WALTER P. RODMAN, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented a new and useful Bearing, of which the following is a specification.

The objects of the invention are, the provision, in a merchantable form, of a device of the class above described, which shall be inexpensive to manufacture, facile in operation and devoid of complicated parts; the provision of a bearing the parts of which may be readily separated for the removal of the journal which they carry; the provision of novel means for locking together and unlocking the separable parts of which the invention is composed.

With these and other objects in view, as will hereinafter more fully appear, the invention consists in the novel construction and arrangement of parts hereinafter described, delineated in the accompanying drawings, and particularly pointed out in the appended claims, it being understood that various changes in the form, proportions, size and minor details of the structure may be made without departing from the spirit or sacrificing any of the advantages of the invention.

In the accompanying drawings similar numerals of reference are employed to indicate corresponding parts throughout the several figures.

In the accompanying drawings:—Figure 1 shows my invention in side elevation; Fig. 2 is a top plan, parts of the device being broken away better to illustrate the structure; Fig. 3 is a detailed perspective, showing the lever 7, the detent 11, and the keeper 5.

The bearing herein described is peculiarly adapted to carry printing press rollers, and I have selected this form as the subject of illustration. I am aware however, that my invention is adapted to other ends than the one last above mentioned, and I do not restrict myself to the form above specified.

In carrying out my invention, I provide a split bearing 1, comprising a fixed member 2 and a movable member 3, the movable member 3 being pivotally attached to the fixed member 2. The movable member 3 is provided with a transversely disposed slot 4 in its upper face, and has a longitudinally

disposed channel 8, connecting one of the terminal faces 9 of the movable member with the transversely disposed slot 4. A keeper 5 projects from the fixed member 2, and is positioned to register with the transversely disposed slot in the movable member 3, the said keeper 5 being provided with an opening 10, arranged to register with the longitudinally disposed channel 8 in the movable member 3. The said keeper 5 is provided with an inwardly inclined excision 12 from its end, said excision leading from the rear face of the keeper 5 to the opening 10.

Slidably mounted in the longitudinally disposed channel 8 is the detent 11, having a pointed end 13, adapted to traverse the inclined excision 12, and to enter the opening 10 in the keeper 5. An operating handle 6 is provided, projecting substantially radially from the movable member 3. Fulcrumed upon the operating handle 6 is the lever 7, terminating in a grip 16, disposed in substantial alinement with the operating handle 6. The lever 7 is provided with bifurcations 15, arranged to register slidably with segmental slots 14 at the end of the detent 11.

A compression spring 17 is provided, having one of its ends in contact with the operating handle 6 and its other end contacting with the lever 7.

Let it be supposed that the fixed member 2 and the movable member 3 are separated; then the operation of the device will be as follows:—When the movable member 3 is brought toward the fixed member 2, the keeper 5 will enter the transversely disposed slot 4 in the movable member 3. The pointed end 13 of the detent will traverse the inclined excision 12 in the keeper 5, and enter the opening 10. When it is desired to separate the fixed member from the movable member, that is, to open the bearing, the lever 7 will be pressed toward the operating handle 6, the bifurcations 15 engage the segmental slots 14 in the detent 11, withdrawing said detent from the opening 10 in the keeper 5. When the bearing is thus opened, the effort of the compression spring 17 will force the detent 11 forward in the longitudinally disposed channel 8, placing the said detent 11 in a position operative to engage the excision 12, when the fixed member 2 and the movable member 3 are again closed together.

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

1. In a device of the class described, a
5 split bearing comprising a fixed member
and a movable member, the movable member being pivotally attached to the fixed member, transversely slotted upon its upper
10 face and provided with a longitudinally disposed channel connecting one of the terminal faces of the movable member with the slot; a keeper projecting from the fixed
15 member, positioned to register with the slot in the movable member, and provided with an opening positioned to register with the
20 channel in the movable member, said keeper having an inwardly inclined excision from its end, said excision leading from the rear of the latch to the forward end of the opening therein; a detent yieldingly mounted in
the channel in the movable member, and having a pointed end arranged to engage the inclined excision from the keeper.

2. In a device of the class described, a
25 split bearing comprising a fixed member and a movable member, the movable member being pivotally attached to the fixed

member and transversely slotted upon its upper face; a keeper projecting from the fixed member and positioned to register 30 with the slot in the movable member; a detent slidably mounted in the movable member and arranged to engage the keeper, and provided at its outer terminal with segmental slots; an operating handle projecting 35 from the movable member; a lever fulcrumed upon the operating handle, said lever being bifurcated at one end and having its bifurcations in sliding engagement with the segmental slots in the detent, there being 40 a grip integral with the lever and in substantial alinement with the operating handle; and a compression spring having one of its ends in contact with the operating handle, and its other end in contact with the 45 grip.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

WALTER PIERSON RODMAN.

Witnesses:

WILLIAM E. PALSER,
WALTER WILLIAM WOOD.