

No. 742,765.

PATENTED OCT. 27, 1903.

F. W. WEBER.
INKING PLATE FOR JOB PRESSES.
APPLICATION FILED MAR. 12, 1903.

NO MODEL.

Fig. 1.

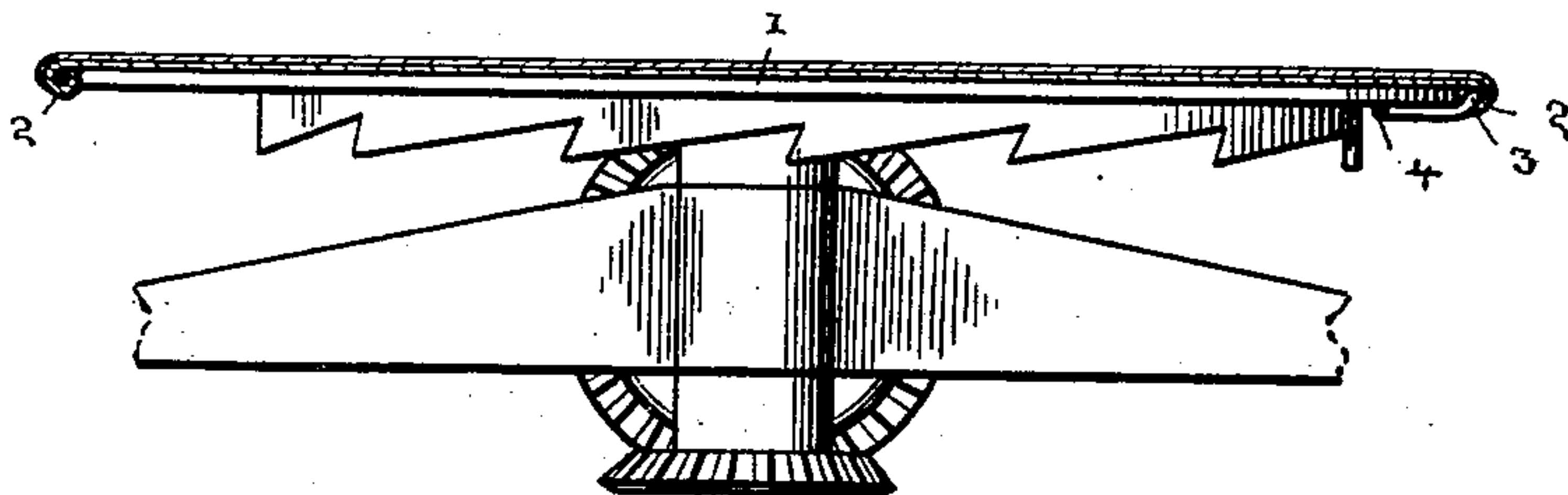
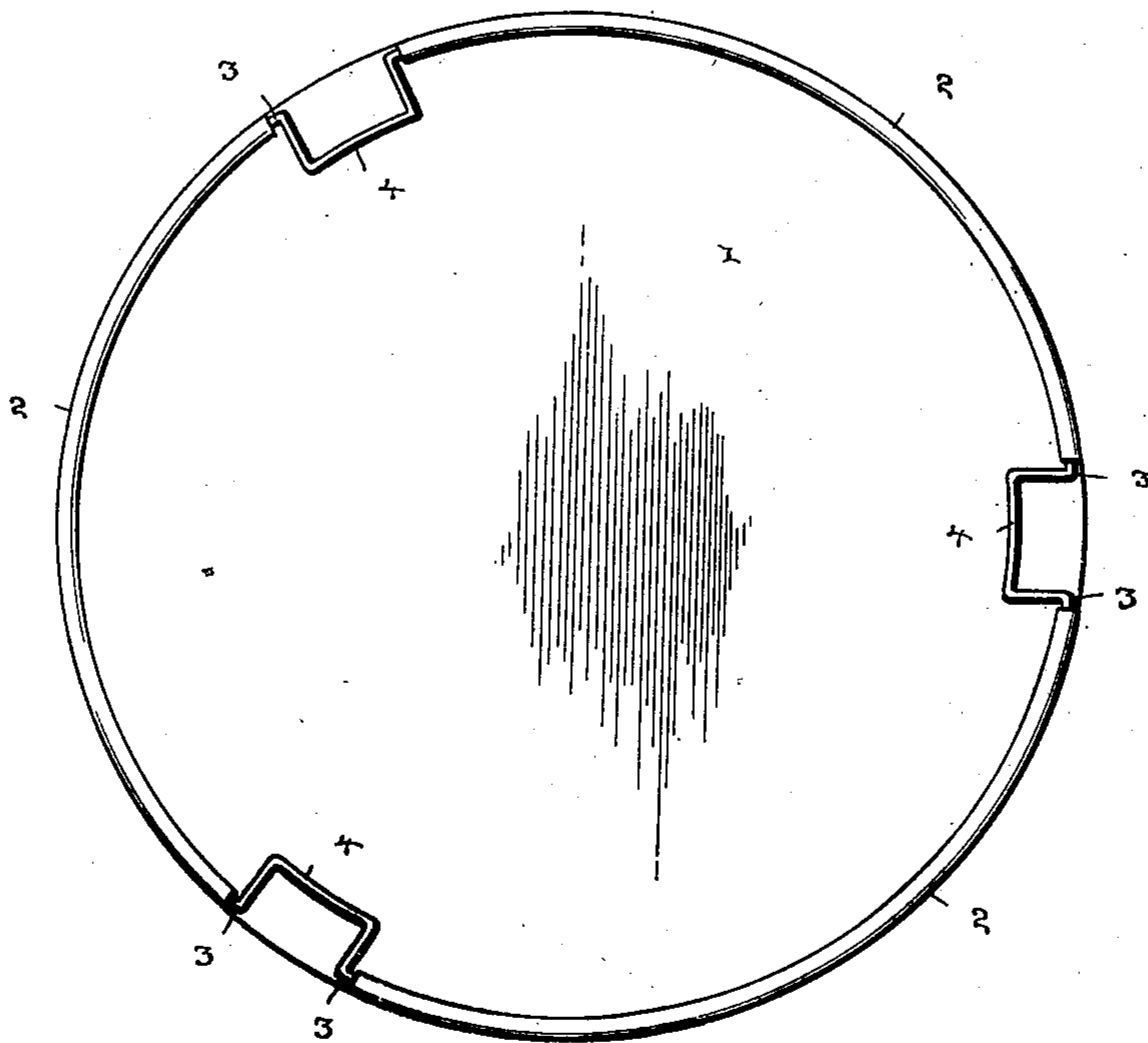


Fig. 2.



Witnesses

J. P. Pink

334

Inventor
Frank W. Weber.

Victor J. Evans

Attorney

UNITED STATES PATENT OFFICE.

FRANK W. WEBER, OF TRENTON, NEW JERSEY.

INKING-PLATE FOR JOB-PRESSES.

SPECIFICATION forming part of Letters Patent No. 742,765, dated October 27, 1903.

Application filed March 12, 1903. Serial No. 147,511. (No model.)

To all whom it may concern:

Be it known that I, FRANK W. WEBER, a citizen of the United States, residing at Trenton, in the county of Mercer and State of New Jersey, have invented new and useful Improvements in Inking-Plates for Job-Presses, of which the following is a specification.

My invention relates to printing-presses, and particularly to the class known as "job-presses" or those constructed with an inking-plate which is engaged by the press-rollers.

The object of the invention is to provide a detachable cover for the inking-plate readily applied thereto and detached therefrom, thereby saving considerable time usually required to clean the plate when different colors of ink are used and avoiding the discoloring of delicate tints and colors.

The invention consists of a non-flexible disk, preferably made of copper, wood, papier-mâché, or any kind of metal or metal alloy coated with shellac, varnish, porcelain, or any material which is non-absorbent or non-porous.

The improvement also consists in providing the disk-cover with peripherally-arranged fastening devices to engage the edge of the inking-plate, whereby the cover may be fastened to the latter.

The nature of the invention will be better understood by reference to the accompanying drawings, in which—

Figure 1 is a sectional view through the ordinary form of ink-disk and part of the mechanism for rotating it and showing my invention applied, and Fig. 2 is a bottom plan view of the cover-disk.

The cover of the inking-plate comprises a circular disk 1, preferably made of metal or any other suitable material and having downwardly and inwardly turned peripheral flanges 2, which form tubular seats for the reception of a ring of spring-wire, (designated by the reference-numeral 3.) These seats are equidistantly disposed and spaced apart a sufficient distance to permit the spring-jaws 4 to be swung toward and away from the bottom surface of the disk. The jaws 4 are formed by providing approximately U-shaped kinks in the wire ring 3 at determined intervals and are disposed between the ends of the seats 2. These jaws normally rest within the

edge of the disk, but can be swung outwardly beyond the edge, as shown in dotted lines in Fig. 2. As the ring is made of spring metal and the normal disposition of the jaws is as shown in Fig. 2, they will immediately spring back to assume their normal position as soon as the cover is fitted over the plate, and the tension on the jaws will be sufficient to prevent a displacement of the cover under any conditions to which the device would ordinarily be subjected.

The fastening device can be applied to a cover of ordinary metal having absorbent properties, if it is desired to use such a cover; but I find a considerable advantage results from coating the top surface of the disk with an impervious material, such as glass, porcelain, shellac, varnish, or other suitable material. The advantage of glazing the top surface of the disk 1 is that the pigments of the various colored inks cannot be absorbed by the cover or ink-plate, and when it is desired to change the ink the surface of the cover can be cleaned thoroughly and quickly, owing to the non-porosity of the same.

It will be apparent that a cover constructed in accordance with my invention will possess sufficient rigidity to retain the ink evenly over the surface thereof and that it can be readily applied to and detached from the ordinary ink-plate, thus resulting in considerable saving of time in the manipulation of the press and avoiding the discoloring of delicate tints and colors.

Having thus described my invention, what I claim as new is—

1. A combination with the ink-distributing plate of a printing-press, of a detachable cover therefor comprising a rigid disk having a porcelain ink-retaining outer surface, and fastening means carried by the cover for engagement with the inking-plate.

2. A combination with the ink-distributing plate of a printing-press, of a detachable cover therefor comprising a rigid disk having a porcelain ink-retaining outer surface, and spring-actuated fastening means carried by the cover for engagement with the inking-plate.

3. A combination with the ink-distributing plate of a printing-press, of a detachable cover therefor comprising a rigid disk having

a porcelain ink-retaining outer surface, and comprising a ring bent to form spring engaging jaws for engagement with the plate.

4. A cover for an ink-distributing plate for
5 a printing-press comprising a rigid disk,
downwardly and inwardly bent flanges carried by the periphery of the disk and forming
seats, said seats being spaced apart, and approximately U-shaped engaging devices carried
10 by the seats to engage the inking-plate
to removably fasten the cover thereto, the

outer or ink-retaining surface of said cover being coated with an impervious and non-porous substance thereby avoiding all chemical action, and preserving the luster and
15 tone, of the various colored inks.

In testimony whereof I affix my signature
in presence of two witnesses.

FRANK W. WEBER.

Witnesses:

CHARLES H. HEALD,
GEORGE GUTHRIE.