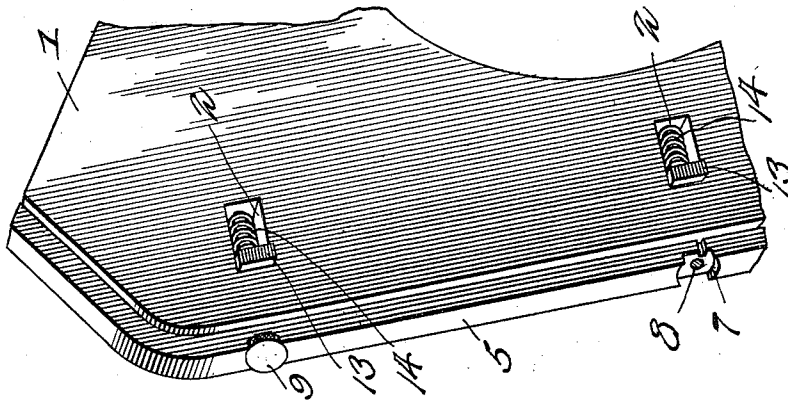
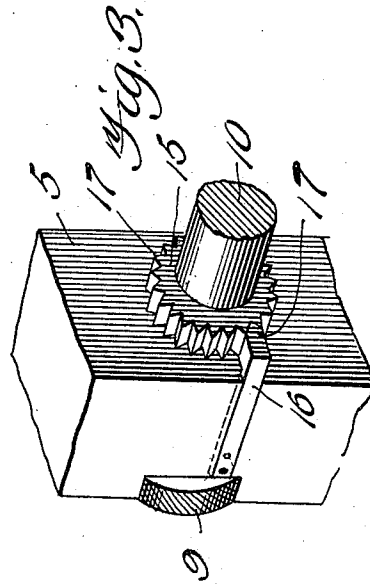
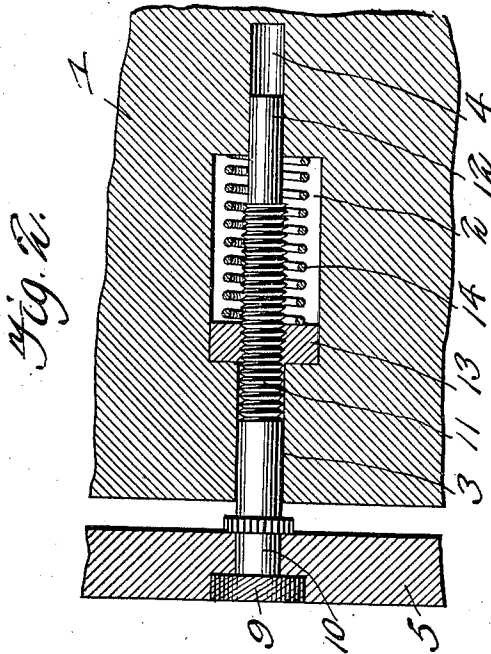


W. E. BRANDT.
ADJUSTABLE ROLLER TRACK.
APPLICATION FILED NOV. 30, 1910.

1,002,125.

Patented Aug. 29, 1911.



Witnesses

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WILLIAM E. BRANDT, OF WAUSAU, WISCONSIN.

ADJUSTABLE ROLLER-TRACK.

1,002,125.

Specification of Letters Patent. Patented Aug. 29, 1911.

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To all whom it may concern:

Be it known that I, WILLIAM E. BRANDT, a citizen of the United States, residing at Wausau, in the county of Marathon and State of Wisconsin, have invented new and useful Improvements in Adjustable Roller-Tracks, of which the following is a specification.

This invention relates to printing presses, and is primarily directed to that class of presses known as job or Gordon presses, the object of the invention being to provide a roller track for the sides of the said press, which may be readily adjusted so as to compensate for the wear of the composition inking roller and the trucks mounted upon the core or trunnions for the tracks.

With the above, and other objects in view, which will appear as the description progresses, the invention resides in the novel construction and combination of parts hereinafter fully described and claimed.

In the accompanying drawings there has been illustrated a simple and preferred embodiment of the improvement, and in which drawings,

Figure 1 is a fragmentary perspective view of one side of an ordinary Gordon press showing the improvement applied thereto. Fig. 2 is an enlarged longitudinal sectional view upon the line 2—2 of Fig. 1. Fig. 3 is a fragmentary sectional perspective view.

In the accompanying drawings the numeral 1 designates the side arm of an ordinary platen press. This side 1 is of the ordinary formation commonly employed upon Gordon or other platen presses and is provided at spaced intervals with a pair of rectangular openings 2. The side 1 is also provided with alining openings 3 and 4, which intersect the transverse opening 2.

The numeral 5 designates the improved track. This track 5 is constructed of some suitable metal, and is provided upon its outer face with circular recesses or pockets 7 and the said pockets are further provided with openings 8 which are adapted to aline with the openings 3 and 4 of the side 1. By reference to Fig. 1 of the drawings it will be noted that the pockets 7 are of a greater diameter than the width of the track 5, so as to provide openings upon the opposite sides of the track 5, and through which the knurled head 9 of a bolt 10 is adapted to project, and also whereby the said bolt may

be easily rotated by grasping its projecting faces. The bolt 10 is adapted to project through the openings 8 and 3, as clearly illustrated in Fig. 2 of the drawings. The said bolt is provided with a threaded portion 11 which extends within the transverse rectangular opening 2 and is further provided with a non-threaded reduced extension 12 which is positioned within the bore 4.

The numeral 13 designates an interiorly threaded member which is adapted to be engaged by the threads 11 of the bolt 10, and the numeral 14 designates a helical spring which is adapted to exert pressure between the inner face of the rectangular cut away portion 2 and the said threaded member 13. This member 13 has its upper periphery of a non-circular formation so that the same cannot be rotated within the cut away portions 2 of the sides 1 when the bolt 10 is adjusted.

The numeral 15 designates a collar member which is secured to the bolt 10 and which is adapted to prevent the longitudinal movement of the said bolt, so that its head 9 will at all times remain flush with the face of the track 5. Secured to one side of the track 5 and positioned within a suitable recess provided thereon is a flattened spring 16, the same being provided with a head 17 which is adapted to engage between the teeth upon the periphery of the collar 15. By this arrangement, it will be noted that while the bolt 10 is free to revolve when pressure is exerted upon its head 9 the accidental movement of the said bolt is effectively obviated.

The importance of the improvement will be apparent to those skilled in the art to which the invention appertains, as it is well known that with job presses commonly used, the track is solid and is low enough to cause the rollers or trucks to ride the type whether the rollers are large and soft or shrunk and hard, consequently, when the rollers are large they bear down on the type squeezing the faces of the type into the soft composition and causing the type to fill up and not allow the ink to be distributed evenly on the face of the type as the pressure of the rollers causes a suction leaving more ink on the extreme outer edge of the type besides indenting and ruining the rollers. It is also well known that should the job being printed contain perpendicular rules the same make deep impressions or cuts within the rollers

and render the said rollers practically useless. In the ordinary presses it has become the common practice of pressmen to wrap the trucks with tape or paper and to also
 5 apply paper or tape to the tracks, but this method is very unsatisfactory for the reason that the track cannot be built up higher than the type, or the tympan will strike the track instead of printing the form. The tape will
 10 also wear down in a very short time and it is obvious that the rollers will not remain a uniform size.

From the above description, taken in connection with the accompanying drawings, it
 15 will be noted that I have provided a comparatively simple, cheap and effective device for overcoming the above named deficiencies and it is to be understood that while I have illustrated and described the preferred embodiment of the improvement, as it now appears to me minor details of construction,
 20 within the scope of the following claims may be resorted to if desired.

Having thus fully described the invention,
 25 what I claim as new is:—

1. In a device for the purpose set forth, the combination with the sides of a platen press, of a track for the edges of the said sides, headed threaded members engaging
 30 the tracks and sides, the heads of each of the said members adapted to lie flatly with the outer faces of each of the tracks, a resilient member connected with each of the threaded members, each of the said threaded members
 35 being provided with a toothed collar adapted to snugly engage the inner faces of each of the tracks, and spring dogs embedded within the tracks and adapted to engage with the toothed collars.

2. In a device for the purpose set forth, the combination with the sides of a platen press, said press being provided with spaced rectangular openings, longitudinal bores communicating with the walls of said openings,
 40 a track, a threaded member for the track engaging the bores of the sides of the press and passing through the rectangular openings thereof, an interiorly threaded member engaging the threaded bore, a helical spring surrounding the bolt and exerting pressure
 45 upon the threaded member.

3. In combination with the sides of a platen press, said sides being provided with rectangular openings, bores communicating with the said openings, a track of a formation
 50 corresponding to the edge of the side, pockets within the face of the track of a greater diameter than the width of the track, the track being further provided with bores communicating with the pockets, bolts within the bores of the track and the sides of the
 55 press, said threaded members being provided with knurled heads, a collar secured to each of the bolts at the rear face of the track, said collar having its periphery provided with
 60 V-shaped teeth, a spring pressed dog engaging the teeth, an interiorly threaded member engaging the threaded bolt within each of the sides of the press, and a spring member upon the bolt exerting pressure between
 65 one of the walls provided by the rectangular recess and the threaded member.

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

WILLIAM E. BRANDT.

Witnesses:

BERT TAPLIN,

CARL A. GAEDTKE.