

June 1, 1937.

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2,082,718

REVOLVING CHASE

Filed May 12, 1936

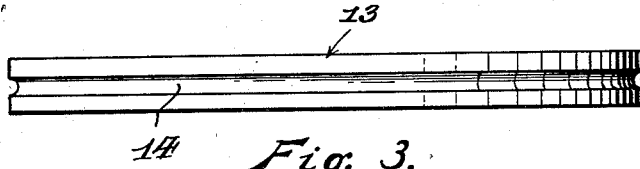


Fig. 3.

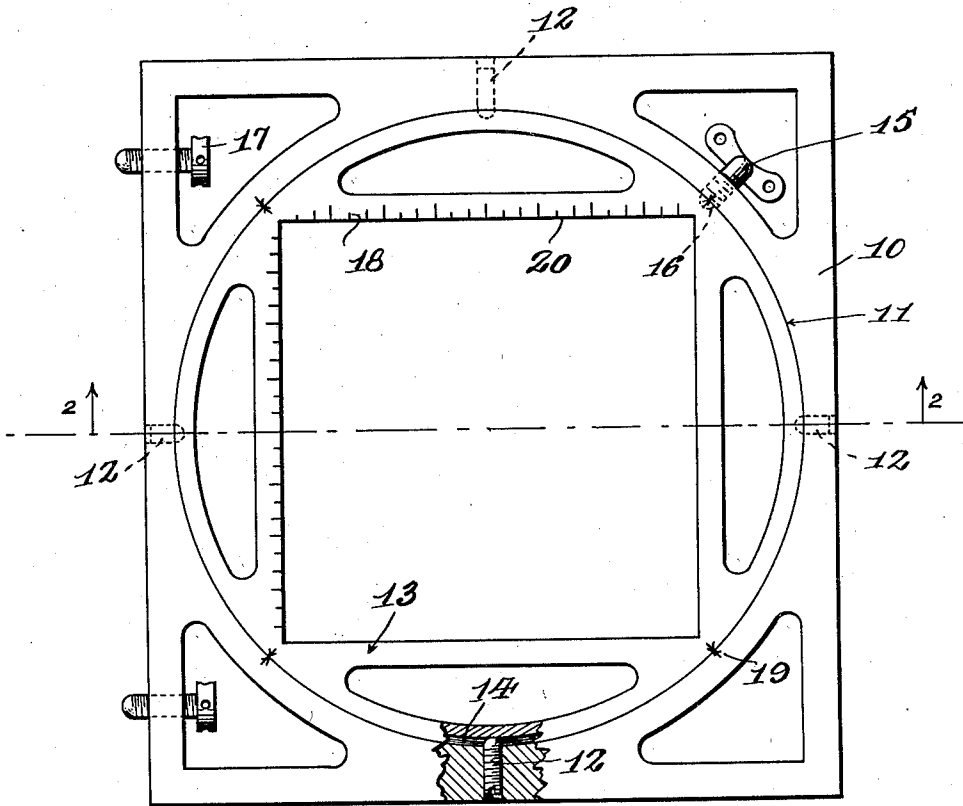


Fig. 1.

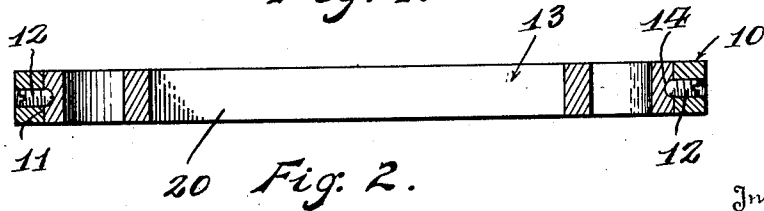


Fig. 2.

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UNITED STATES PATENT OFFICE

2,082,718

REVOLVING CHASE

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Application May 12, 1936, Serial No. 79,366

1 Claim. (Cl. 101—391)

My invention relates to a printing chase, and more particularly to a chase which may be employed for "angle" printing and it consists in the constructions, arrangements and combinations herein described and claimed.

It is the cardinal purpose of the invention to provide a chase which may be revolved to present the type at the angle desired and then locked in such position.

It is also a purpose of the invention to provide a revolving chase of few moving parts, requiring no special instruction for its operation, and so constructed that "jamming" of the moving part will not occur.

Additional objects, advantages and features of invention will be apparent from the following description considered in conjunction with the accompanying drawing, wherein

Figure 1 is a plan view of the chase constructed in accordance with my invention.

Figure 2 is a cross section on the line 2—2 of Figure 1.

Figure 3 is a side elevation of the chase proper.

In carrying out my invention I make use of a substantially rectangular frame 10, the interior of which is machined to provide an annular wall 11, and at diametrically opposite points in the sides of the frame 10 there are set screws 12, adjustable inwardly and outwardly of the wall 11.

A chase 13 is employed, the outer circumference of which is annular and of a size slightly less than the circumference defined by the wall 11. The outer face of the chase 13 has formed therein a circumscribing groove 14, the groove being formed at a point approximately midway of the height of the face. The chase 13 is positioned within the annular wall 11, the groove 14 being alined with the rounded ends of the set screws 12. The screws are adjusted to extend into the groove 14 to prevent lateral or vertical movements of the chase, yet permit free rotary movement of the chase within the frame 10.

In order to firmly lock the chase in an adjusted position within the frame, a winged lock screw 15 is provided, in the present instance shown as being

in screw-threaded engagement with a portion of the frame 10 and of a length so as to cause its end 16 to impinge the walls defining the groove 14. The end 16 is so shaped as to correspond to the groove formation so as to avoid liability of marring or disrupting the surface of the groove, and also acts to prevent lateral movement of the chase. Set screws 17 may be employed for mounting of the chase frame.

The chase 13 has scale markings 18 thereon cooperable with zero marks 19 on the frame 10, and by the use of these marks the chase may be revolved and locked at any angle desired.

In use, the type is assembled on a galley or in the square center 20 of the chase, exactly in the manner of straight composition. The type is locked in the chase by the use of standard quoins. The entire assembly may then be locked into the standard printing press chase ready for printing. However, it should be understood that the frame 10 can be made to the dimensions of the standard chase.

If the desired angle of print is known before the "job" is put on the press, the chase 13 may be revolved to the desired angle before it is mounted. If not, a proof, or a series of proofs may be taken, the locking screw 15 loosened, the chase 13 rotated to the angle desired (as shown by the scale markings), and the chase then locked in such position by tightening the screws 15.

While I have shown and described a preferred form of my invention, this is by way of illustration only, and I consider as my own all such modifications as fairly fall within the scope of the appended claim.

I claim:—

A chase comprising a frame member having an annular wall, an annular chase therein, the outer face of the chase having a circumferential groove, adjustable set screws carried by the frame and projecting into the groove for revolvably supporting the chase, and a lock screw in the frame member and projecting into the groove and adjustable thereinto to lock the chase against rotation.

HUGO A. PORI.