No. 719,194. PATENTED JAN. 27, 1903.

P. J. COONEY.

GALLEY.

APPLICATION FILED APR. 26, 1902.

NO MODEL.

Fig. 1.

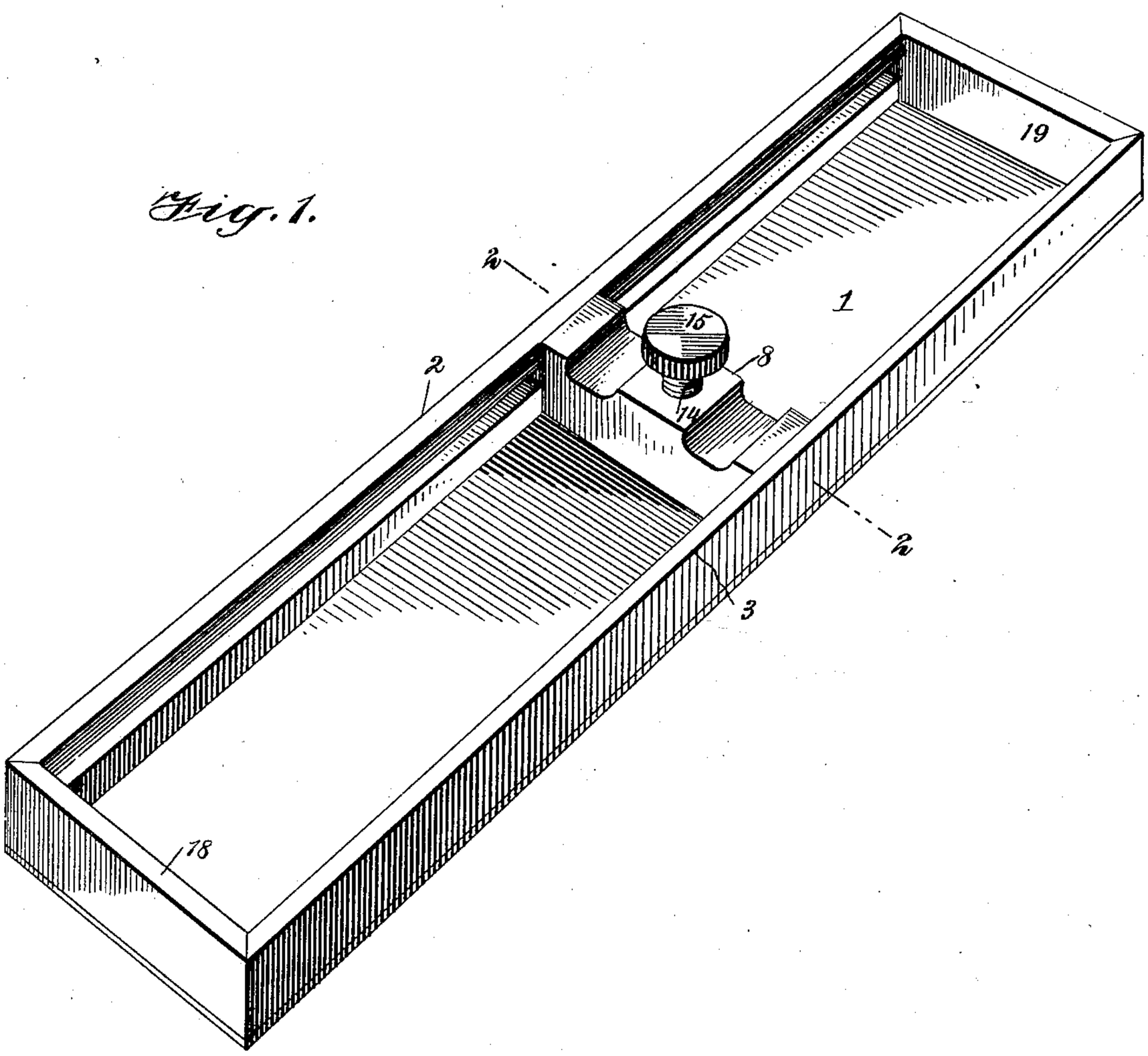
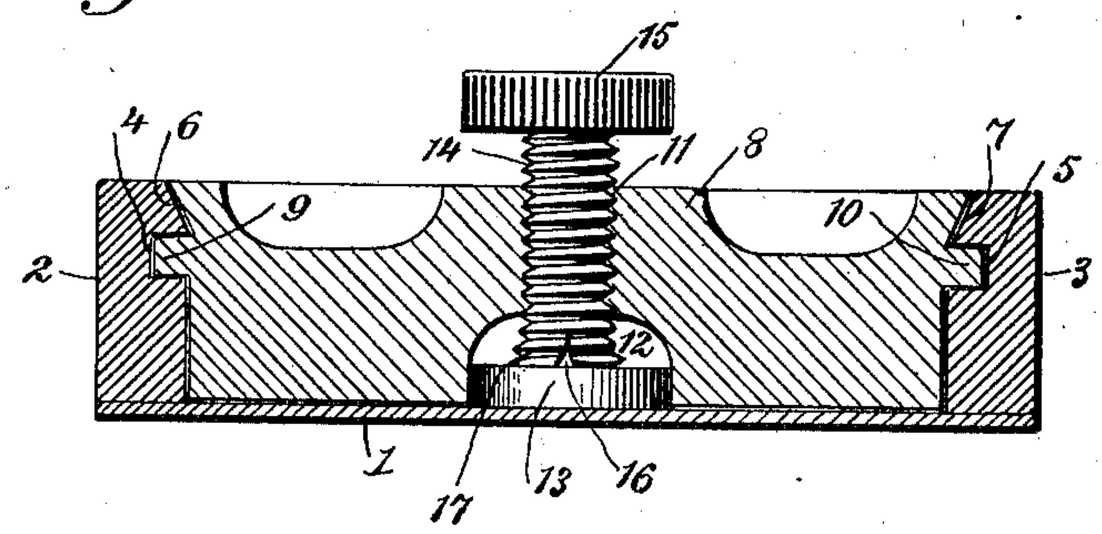


Fig. 2.



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GALLEY.

SPECIFICATION forming part of Letters Patent No. 719,194, dated January 27, 1903.

Application filed April 26, 1902. Serial No. 104,790. (No model.)

To all whom it may concern:

Be it known that I, PETER JAMES COONEY, a citizen of the United States, and a resident of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented a new and Improved Galley, of which the following is a full, clear, and exact description.

My invention relates to the printing business, and more particularly to the production of a galley having an efficient lockup so arranged as to avoid distortion of certain delicate parts of the galley. The quoin, screw, and all parts of the galley are non-detachable, so that the user always has a complete galley ready for use.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in both the figures.

Figure 1 is a perspective view showing my invention as ready for use in linotype or movable type work. Fig. 2 is a cross-section, somewhat enlarged, on the line 2 2 of Fig. 1.

A thin plate 1, preferably of brass, is provided with side walls 2 3, these walls being provided with grooves 4 5 and with bevels 6 7. A foot-stick 8 is slidably mounted between the walls 2 and 3 and is provided with tongues 9 10, which respectively engage the grooves 4 5. The foot-stick is further provided with an aperture consisting of a threaded hole 11 and a smooth cavity 12. In this cavity is loosely fitted a bearing block or disk 13, which is pressed into engagement with the bottom plate 1 of the galley by means of a threaded screw 14. This screw is provided with a milled head 15, whereby it may be readily rotated with the fingers, and is also provided with an enlarged head 17 for the purpose of preventing its removal from the foot-stick. This head is enlarged by cutting a slot 16 in the end of the screw, then inserting the screw through the threaded hole 11, and spreading the screw at the slot 16.

My invention is used as follows: The matter to be printed, consisting of linotype-slugs or lines of movable type, as the case may be, is dumped into the galley in the usual manner. Suppose now a proof is required or that for any reason it may be desirable to lock the matter upon the galley. The printer grasps the milled head 15, rotates the same slightly to the left, thereby loosening the tension of the screw upon the bearing-block, and slides the foot-stick quickly against the matter mentioned. He then tightens the screw by rotating it in the opposite direction, and the matter is now locked up. To unlock, all that is necessary is to loosen the screw 14.

It will be noted that the greatest precision is required in the shape of galley-bottoms. The least buckling or distortion in the plate 1 comprising the bottom of the galley causes the matter to print with unequal degrees of pressure, and consequently to make a blacker impression upon one portion of the sheet to be printed than upon another portion thereof. It is quite desirable that the foot-stick should be secured in position so as to bear equally over as large a surface as possible for the purpose of preventing this undesirable distortion. The bearing-block 13 is so formed as to accomplish this object to a greater or less extent, for the reason that said bearing-block, because of its breadth or dimension extending in the general direction of the galley, is such as to cause it to bear upon a considerable portion of the bottom of the galley in the general direction thereof. In other words, by making the bearing-block circular and of considerable size there is some tendency to prevent the galley from buckling in the general direction of its length, as well as in the direction of its width. The tongues 9 10 are made quite broad and massive, so as to afford good bearing-surfaces in opposite directions. The result is that the strain due to the lockup is distributed with comparative uniformity.

The beveled surfaces 6 7 are for the purpose of enlarging the bearing-surface of the foot-stick where the same makes contact with the sides of the galley and also for the purpose of facilitating the dumping of matter upon the galley.

The spreading of the end 17 of the screw 14 prevents the loss of the screw, and thereby prevents any separation of the different parts of the galley.

The end pieces 18 19 are of the usual pattern.

The galley can be made of any length or width and used for any purpose for which a galley is generally employed.

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

1. A galley comprising a flat plate provided with walls, two of which are disposed adjacent to opposite edges of said plate and provided with oppositely-disposed grooves, a movable foot-stick provided with oppositely-disposed tongues engaging said grooves, and with a circular aperture adjacent to said flat plate, a bearing-block having the general form of a disk and disposed centrally within said aperture, said bearing-block being provided with a flat bearing-face engaging said plate directly, and means controllable at will for pressing said bearing-block into engagement with said plate.

2. A galley comprising a flat plate provided with walls two of which are disposed adjacent to opposite edges of said plate and provided with grooves, a movable foot-stick provided with tongues slidably engaging said grooves and also provided with a circular aperture having an enlarged smooth portion and a comparatively small threaded portion, a disk-like block loosely disposed within said smooth portion of said aperture and provided with a flat bearing-face for engaging said plate, and a screw engaging said threaded portion of said bearing, said screw being free to press centrally upon said disk-like block and being provided with a milled head whereby it may be rotated within said threaded portion of said bearing.

3. A galley comprising a flat plate provided with walls two of which are disposed adjacent to opposite edges of said plate and provided with grooves, a movable foot-stick provided with tongues slidably engaging said grooves and also provided with an aperture having a small threaded portion and also having a comparatively large smooth portion, a threaded screw extending loosely through said threaded portion and into said smooth portion of said aperture, said screw being provided with an enlarged end within said smooth portion to prevent its removal, and a block loosely disposed within said smooth portion and provided with a flat bearing-surface for engaging said plate and with a flat surface to be engaged by said screw.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

PETER JAMES COONEY.

Witnesses:
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