

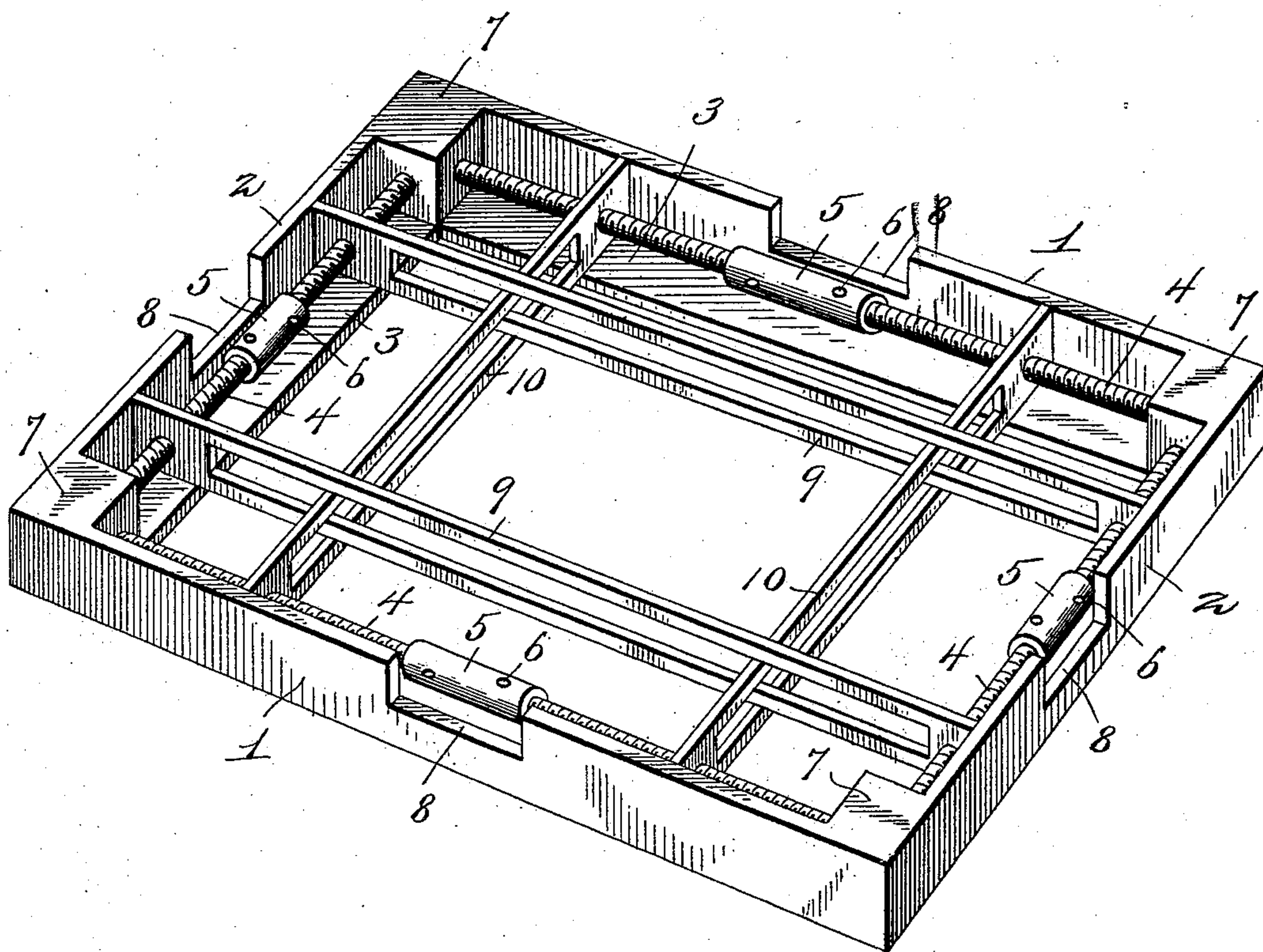
No. 715,685.

Patented Dec. 9, 1902.

F. A. McGUIRE.  
PRINTER'S CHASE.

(Application filed Aug. 17, 1901.)

(No Model.)



Witnesses

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# UNITED STATES PATENT OFFICE.

FRANK A. MCGUIRE, OF JACKSON, MISSOURI.

## PRINTER'S CHASE.

SPECIFICATION forming part of Letters Patent No. 715,685, dated December 9, 1902.

Application filed August 17, 1901. Serial No. 72,413. (No model.)

*To all whom it may concern:*

Be it known that I, FRANK A. MCGUIRE, a citizen of the United States, residing at Jackson, in the county of Cape Girardeau and State of Missouri, have invented new and useful Improvements in Printers' Chases, of which the following is a specification.

This invention relates to printers' chases, the object in view being to provide a chase having complete form-locking means in itself, thus doing away with the necessity of employing shooting-sticks, quoins, furniture, and mallets.

A further and very important object of the present invention is to so arrange the locking devices that they will not necessitate enlarging the side and end portions of the chase, which would result in taking up valuable space and materially reducing the size of the form included in the chase.

Another object of the invention is to form the side and end bars of the chase in such manner as to facilitate the manipulation of the locking device.

With the above and other objects in view the invention consists in the novel construction, combination, and arrangement of parts hereinafter fully described, illustrated, and claimed.

In the accompanying drawing, the figure represents a perspective view of a printer's chase constructed in accordance with the present invention.

In carrying out my invention I construct the chase in rectangular form and provide the four corners thereof with squared reinforce-blocks 7, and integral therewith is formed the side and end walls 1 and 2, and to the lower edges of the side and end walls and between the four reinforce-blocks I secure the supporting-ledges 3, having their front edge portions extending to the front faces of said blocks in the same plane with each other.

The numeral 9 indicates the longitudinal slotted bars, and 10 the transverse slotted bars, having bearings at their outer ends which are adapted to be loosely mounted on the supporting-ledges 3, so as to extend to the outer edge portions thereof. Each of these longitudinal and transverse bars are slotted to their bearing ends, and each of said bars

are loosely connected together one within the other by the interlocking of the slotted portions thereof, which renders them capable of having a movement to or from each other, as shown in the drawing. The bearing ends of the longitudinal and transverse bars have movably mounted in openings therein clamping screw-rods 4, the opposite outer ends of which are journaled in the reinforce-block 7. To the central portions of the clamping screw-rods I secure sleeves 5, having openings 6 in their peripheries arranged at suitable distances apart therein. In front of each sleeve and in the upper edges of the side and end walls I form recesses 8 of a length equal to that of said sleeves.

When it is necessary to move the longitudinal and transverse bars toward each other for the purpose of locking the form in the slotted bars, the same is accomplished by means of inserting a pointed implement in the openings of the sleeves and by turning the implement downward in the recesses causing the journal ends of the clamping-rods to turn in the reinforce-blocks, which permits of the turning of said clamping-rods in the bearing ends of the slotted bars, whereby the bottom edge surfaces of said bearings have a lateral sliding movement on the supporting-ledges, thereby moving the slotted bars toward each other.

I attach importance to the construction of the supporting-ledges in connection with the bearing ends of the slotted bars mounted loosely thereon, whereby said bearing ends are permitted to have a lateral sliding movement on the supporting-ledges. I also attach importance to said ledges, as they support the slotted bars and relieve the strain thereon when the form is incased between the same. I further attach importance to the recesses which are located in the upper portions of the side and end walls of the structure whereby to coact with the sleeves, so as to give the clamping-rods more of a turn in their journal ends.

Having thus described the invention, what is claimed, and desired to be secured by Letters Patent, is—

A printer's chase consisting of a rectangular frame provided with reinforce-blocks in each corner thereof and having side and end

walls formed therewith, the supporting-ledges  
secured in the same plane with each other,  
to the lower edges of the side and end walls  
and between the reinforced blocks, the lon-  
5 gitudinal and transverse slotted interlocking  
bars having bearing ends loosely mounted on  
the ledges, the clamping-rods passing through  
openings in the bearing ends of the slotted  
bars and having their opposite ends journaled  
10 in the corner-blocks, sleeves on said clamp-  
ing-rods, and recesses in the upper portions  
of the said side and end walls arranged in

front of the sleeves so as to coact therewith,  
whereby the bearing ends of said bars are  
adapted to have a lateral sliding movement 15  
on the said supporting-ledges, substantially  
as and for the purpose specified.

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

FRANK A. MCGUIRE.

Witnesses:

HENRY R. ENGLISH,  
JOHN A. HOPE.