

1,051,268.

Patented Jan. 21, 1913.

Fig. 2.

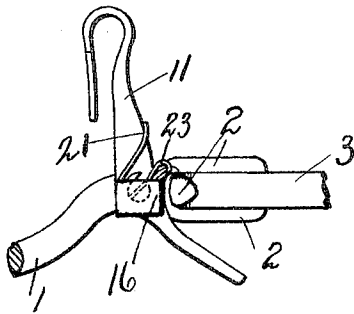


Fig. 1.

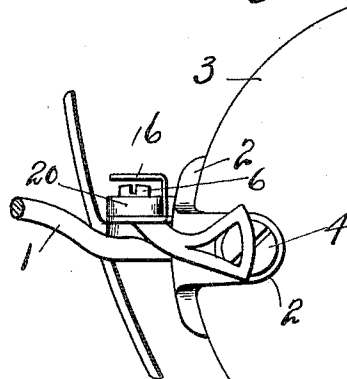


Fig. 3.



Fig. 4.

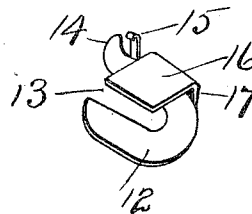


Fig. 5.

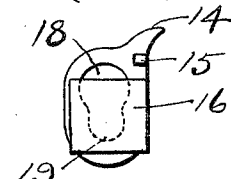


Fig. 6.

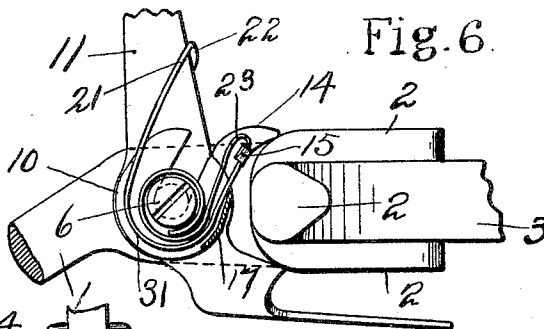


Fig. 7.

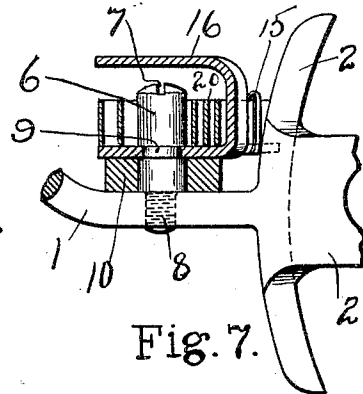


Fig. 9.

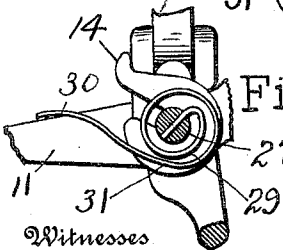
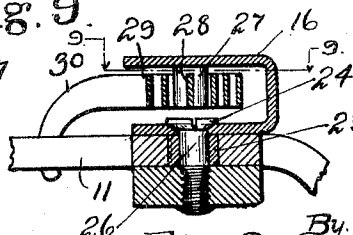


Fig. 8.



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# UNITED STATES PATENT OFFICE.

JOSEPH ROSENBLATT, OF PROVIDENCE, RHODE ISLAND.

EYEGGLASS-MOUNTING.

1,051,268.

Specification of Letters Patent.

Patented Jan. 21, 1913.

Application filed December 26, 1911. Serial No. 667,645.

*To all whom it may concern:*

Be it known that I, JOSEPH ROSENBLATT, a citizen of the United States, residing at the city of Providence, in the county of Providence and State of Rhode Island, have invented certain new and useful Improvements in Eyeglass-Mountings, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to eye glass mountings of the class in which the grips are moved by springs toward each other to engage the nose and separated by manually operable portions, and the object of my present invention is to provide simple and effective means whereby the guard arms may be readily removed from the mounting without the use of tools, and this by providing a readily removable key on each post for retaining its respective arm in position thereon, and also by providing a guard arm actuating spring which is also arranged to retain its key in operative position on its post.

A further object of the invention is to provide a guard member on said key to extend over said post and the coil of the spring.

With these and other objects in view, the invention consists of certain novel features of construction, as will be more fully described and particularly pointed out in the appended claims.

Of the accompanying drawings, Figure 1— is a front elevation of one end of the mounting with my improved mechanism mounted thereon. Fig. 2— is a plan view of one end of the mounting showing my improved construction with the guard member over the spring coil. Fig. 3— is a detail of my improved spring in released position. Fig. 4— is a perspective view of a U-shape key plate. Fig. 5— is a plan view showing another form of key plate having a hole through the same for receiving the post. Fig. 6— is a greatly enlarged plan of one end of the mounting with the protecting member removed. Fig. 7— is a side elevation partly in section of that portion shown in Fig. 6. Fig. 8— is a modification showing one end of the spring as engaging and being held by a post on the key plate. Fig. 9— is a plan view of this modified construction in section on line 9—9 of Fig. 8.

Referring to the drawings, 1 designates the bridge portion of the mounting, one end

only being shown, but on each end of which is formed the lens clamping and supporting members 2—2—2 for receiving the lens 3 between them where they are secured by means of the screw 4. The pivot post 6, see Fig. 7, preferably has a comparatively large body portion slotted at 7 at its upper end, its lower end being reduced and threaded as at 8 through the flattened portion of the bridge member in which it is riveted or otherwise securely fastened. This post is provided near its lower end with a slot, or annular groove 9, at a point just above the upper face of the enlarged portion 10 of the guard arm 11 where it receives its bearing. This groove may be cut into a solid post, or formed by placing a collar 23, on the lower portion of the post, as shown in Fig. 8, the essential feature being to provide a shoulder or head 24 against which the key may rest.

In order to provide simple and effective means for removably securing the guard arm, I have formed a key plate 12, see Figs. 4 and 5, which plate is preferably blanked out of sheet stock, whose thickness is about the width of the groove or slot 9. This plate is preferably made in a U-shape having an open mouth 13 so that it may engage the post at the reduced portion 9 and slide endwise in over or about the pivoted portion 10 of the guard arm to form a key and prevent the arm from rising on the post. One end of this key plate has an outwardly turned lip 14 which is adapted to engage or hook around any of the lens clamp members 2. An upwardly turned finger 15 is also formed on this clamp having a turned over hook-shaped end for engaging and retaining a portion of the tension spring presently described. In some instances it is found advisable to form this key plate with a guard flange 16 which rises above the face of the plate and then is turned at right angles to its upward wall 17 to extend longitudinally over the spring coil and the end of the post to protect the same. I have shown the supporting wall 17 of this flange as extending up from one side of the key plate, but this wall may extend up from either side or from the end of this plate, if desired. I do not wish to restrict myself to the forming of this plate in a U-shape with an open mouth 13, as this mouth may be closed and a large hole 18, see Fig. 5, may be formed therein whereby the plate may be passed down over the head of the post and then slide inward

until the smaller portion 19 engages and fits close to the reduced portion 9 of the post. I have also provided a simple form of spring 20, see Fig. 3, one end 21 of which has a downwardly projecting hook 22 adapted to reach over and engage the guard arm 11 to press the same with the proper tension against the side of the nose of the wearer. The opposite end of this spring is bent back upon itself forming a loop at 23, said end being then carried in a coil 24 about the post 7 so as to better support the spring at the bend 31 and give to it greater strength and resiliency and at the same time the coil in addition to supporting the working end, by engaging the post provides means for retaining the spring in its operative position. The loop end 23 of the spring is adapted to engage the little finger 15 of the key plate 12 whereby the outward tension of the spring presses the hooking lip portion 14 against one of the lens clamp members thereby firmly securing the key in its operative position.

By the construction of my improved device it will be seen that in order to assemble the parts it is only necessary to pass the eye of the guard arm over the post. The key plate is then inserted into the slotted or reduced portion 9 of the post, the coil portion of the spring is placed over the post, its hook end 21 being carried around the guard arm places the loop end 23 under tension, which end upon engaging the finger 15 of the key plate presses the hook lip 14 around back of the lens clamps securing the whole together. This whole operation is accomplished in the simplest possible manner by the operator's fingers alone, and without the use of tools of any kind. To disconnect this mechanism the first thing is to unhook the end 21 of the spring from the guard arms, the tension of the spring now being removed the key may be at once withdrawn releasing the other parts to be readily removed. When a key having a protecting or guard member is employed the coil is first placed beneath the guard and both are passed over the end of the post together after which the key is slid into position and the spring hooked over the guard arm as above described.

I do not wish to be restricted to the forming of a long post as illustrated at 6 in Fig. 7, as in some instances I desire to make the post short as illustrated at 26 in the modified construction shown in Fig. 8, in which case the post may be provided with a head 24 and a body portion passing through a collar 23, if desired, or again the collar 23 may be dispensed with and the comparatively small body of the screw post may pass directly through the enlarged portion 10 of the guard arm 11. In this latter case the hood or flange portion 16 may be provided with a downwardly projecting stud 27

slotted at 28 in which slot one end of the spring 29 may be held, the coil passing around the stud and the opposite end 30 extending outward to engage the guard arm 11. In both of these constructions the independent key is readily removable and is held in operative position by the tension of the spring.

My improved mechanism is extremely simple and inexpensive in construction and effective in its operation.

I claim:

1. An eye glass mounting comprising a bridge member, a guard arm, a post on said member on which said guard arm is pivoted, and an independent readily removable retaining member engaging said post to hold the arm thereon, and spring means for retaining said latter member on said post.

2. An eye glass mounting comprising a bridge member, a guard arm, a post on said member on which said guard arm is pivoted, an independent readily removable key engaging said post to retain said arm thereon, and means acting on said key for retaining the same in operative position.

3. An eye glass mounting comprising a bridge member, a guard arm, a post on said member on which said guard arm is pivoted, an independent readily removable key engaging said post to retain said arm thereon, and a guard arm actuating spring retaining said key in operative position on said post.

4. An eye glass mounting comprising a bridge member, a guard arm, a post on said member on which said guard arm is pivoted, an independent readily removable key plate engaging said post to retain said arm thereon, a guard arm actuating spring retaining said key in operative position on said post, said key plate being provided with a guard extending over the spring.

5. An eye glass mounting comprising a bridge member, a guard arm, a post on said bridge member on which the arm is pivoted, said post having a shoulder just above the arm, an independent key engaging said shoulder for locking said arm onto its post, and a spring for actuating said guard arm and also for retaining said key in operative position on said post.

6. An eye glass mounting comprising a bridge member, a guard arm, a post on said member on which the arm is pivoted, said post being provided with a shoulder, a guard arm actuating spring, and an independent key engaging the said shoulder on the post below the spring and having a guard member extending over the latter, said spring also acting upon said key to retain the same in operative position.

7. An eye glass mounting comprising a bridge member, a guard arm, a post on said bridge member on which the arm is pivoted, said post having a shoulder just above the

arm, an independent key engaging said shoulder for locking said arm onto said post, a guard arm actuating spring coiled about the post just above said key, said spring also acting upon said key to retain the same in position on said post.

8. An eye glass mounting comprising a bridge member, a guard arm, a post on said member on which the arm is pivoted, said post having a shoulder just above the arm, an independent key engaging said shoulder for locking said arm onto its post, a spring having one end engaging the guard arm to press the same inward and another portion acting upon the key to retain it in operative position, and an integral guard member on said key extending over said spring.

9. An eye glass mounting comprising a bridge member, a guard arm, a post on said member on which the arm is pivoted, said post having a shoulder just above the arm, an independent key engaging said shoulder for locking said arm onto said post, said key plate having an outwardly turned retaining lip engaging the lens clamp member, said plate also having a finger, a guard arm actuating spring engaging said key finger to press said lip into engagement with said clamp whereby said key is retained in position on its post.

10. An eye glass mounting comprising a bridge member, a guard arm, a post on said bridge member on which the arm is pivoted, said post having a shoulder just above the arm, an independent key engaging a slot in the post for locking the arm onto its post, said key plate having an outwardly turned retaining lip engaging the lens clamp member, said plate also having a finger, a guard arm actuating spring coiled about said post and engaging said finger to press said lip into engagement with said clamp member whereby said key is retained in position on its post, and a guard flange on said plate extending over its post and coil.

11. An eye glass mounting comprising a bridge member, a guard arm, a post on said member on which said arm is pivoted, an independent key engaging said post, and a guard arm actuating spring having one end bent back upon itself and coiled about said post and engaging said key to retain it in operative position on its post.

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

JOSEPH ROSENBLATT.

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."