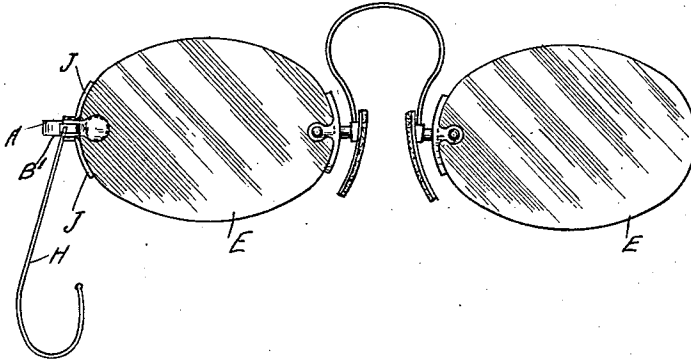


C. F. INGOLD.  
DETACHABLE BOW FOR EYEGLASSES.  
APPLICATION FILED JULY 26, 1909.

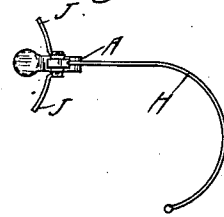
1,011,959.

Patented Dec. 19, 1911.

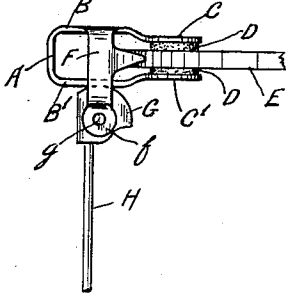
*Fig. 1.*



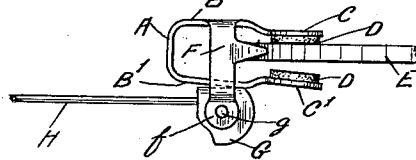
*Fig. 2.*



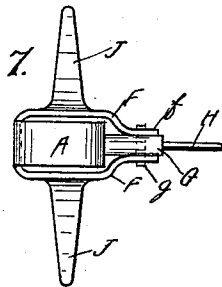
*Fig. 3.*



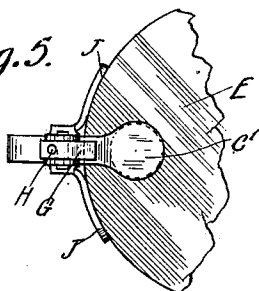
*Fig. 4.*



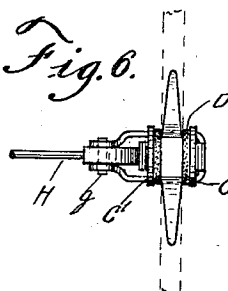
*Fig. 7.*



*Fig. 5.*



*Fig. 6.*



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# UNITED STATES PATENT OFFICE.

CARL F. INGOLD, OF MILWAUKEE, WISCONSIN.

DETACHABLE BOW FOR EYEGLASSES.

1,011,

Specification of Letters Patent. Patented Dec. 19, 1911.

Application filed July 26, 1909. Serial No. 509,512.

To all whom it may concern:

Be it known that I, CARL F. INGOLD, a citizen of the United States, residing at Milwaukee, county of Milwaukee, and State of Wisconsin, have invented new and useful Improvements in Detachable Bows for Eyeglasses, of which the following is a specification.

My invention relates to improvements in detachable bows for eye glasses.

The object of my invention is to provide means whereby a clamping member formed from a single piece of material may be adjusted to engage lenses and clamped thereon in the operative position of adjusting the bow to a proper position of use.

In the following description reference is had to the accompanying drawings, in which:

Fig. 1 is a rear elevation of a pair of eye glasses, one of my improved detachable bows appearing when clamped upon a lens. Fig. 2 is a view of one of the bows as it appears preparatory to the clamping operation. Fig. 3 is a detail view illustrating a portion of a lens engaged by the clamping member and a portion of the bow as it appears in clamping position. Fig. 4 is a view of the same with the bow in position of clamping release. Fig. 5 is an enlarged detail view illustrating a portion of the lens and one of my improved clamping members with the bow broken away. Fig. 6 is a detail view of the clamping member as seen from the side occupied by the clamping jaws, and Fig. 7 is a view of the same as seen from the opposite or outer side of the clamping member.

Like characters are identified by the same reference characters throughout the several views.

A segment of resilient metal is bent into the form of a yoke having a back A, sides B B' and clamping jaws C C'. The inner surfaces of the members C C' are preferably covered with cushioning material D adapted to engage the lens E as best illustrated in Figs. 1 and 4. The side B of the yoke is provided with arms F which straddle the side B' and extend to a point beyond it where they are provided with inwardly off-set bearing members f, between which an eccentric member G is located and secured in position between the bearing members f by a pivot pin g. The bow H is rigidly secured to the eccentric member G in such a position that

when the bow is substantially parallel to the side B' of the clamping yoke, the eccentric member G will occupy the position in which it is illustrated in Fig. 4, in which position the clamping jaws C C' will be permitted to separate and release the lens. When the bow H is swung to the position of use the eccentric member G moves to the position in which it is illustrated in Fig. 3, in which position it bears forcibly against the side B' of the clamping yoke and moves the clamping members C C' to clamping position.

The eccentric member G has a segmental periphery normally holding the clamping yoke in clamping position while the bow is being adjusted from full open to folded position. The outer margin of the member G is relatively close to the pivot, hence, when the bow is swung outwardly the clamping yoke releases the lens.

The arms F are preferably provided with braces J and these braces may also be formed integrally with the arms F and the clamping yoke. It is not essential to my invention however that these parts should be integrally formed, but this feature is important in providing a durable structure. It will be observed that the clamping action is secured by leaving the side B' of the yoke free from any connection with the arms F, and therefore free to move inwardly under the pressure exerted by the clamping member G.

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

1. In a device of the described class the combination of a lens engaging clamp, a clamp actuating eccentric member pivotally connected with the clamp and a bow rigidly connected with said eccentric member said eccentric member being formed to retain the clamp in gripping position when the bow is either in position of use or swung inwardly from such position, and to release the clamp when the bow is swung outwardly from the position of use.

2. In a device of the described class, the combination with a lens, of a lens engaging clamping yoke formed of resilient material, an eccentric member pivotally supported from one side of the yoke, and having a segmental marginal portion arranged to bear upon the outer surface of the other side of the yoke to force the same to clamping position, and a bow rigidly secured to said eccentric member, said eccentric member

having an outer surface in relatively close proximity to the point of pivotal connection, and said segmental margin being sufficiently extended to permit the bow to swing from  
5 folded position to supporting position without releasing the clamp.

3. In a device of the described class the combination of a lens engaging clamping yoke formed of resilient material, arms connected with one side of the yoke at an intermediate point and extending in a position to straddle over the other side of the yoke, a clamping eccentric member pivotally secured between the extremities of said arms  
10 and adapted to bear upon the side of said yoke with which such arms are unconnected,

and a bow rigidly connected with the clamping eccentric member, said member being adapted when in one position of adjustment to force the yoke arm into clamping position, said eccentric supporting arms being provided with upwardly and downwardly extending braces, and said braces, arms and clamping yoke being formed integrally from a single piece of metal.  
20 25

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

CARL F. INGOLD.

Witnesses:

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PEARL GRÖLLEN.

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