

No. 806,015.

PATENTED NOV. 28, 1905.

W. H. SPANGLER.

EYEGASSES.

APPLICATION FILED SEPT. 24, 1904.

2 SHEETS—SHEET 1.

Fig 1.

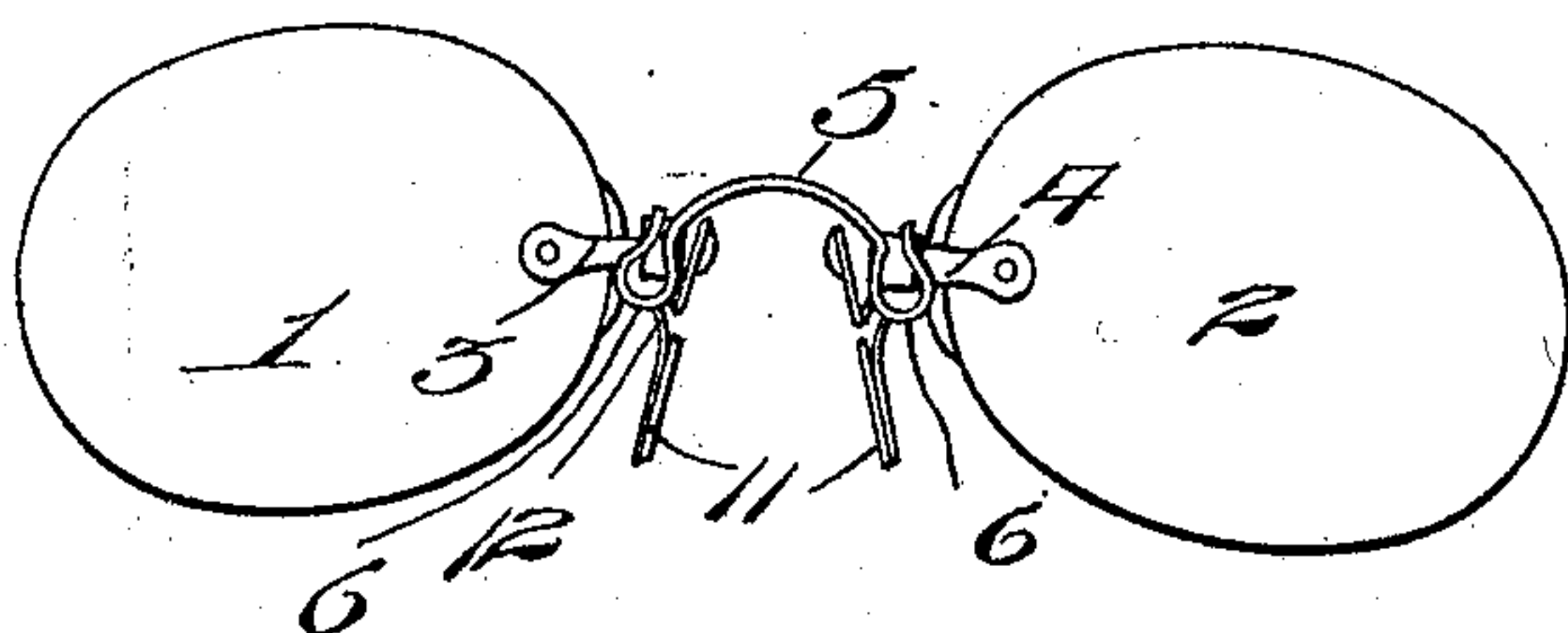


Fig 2.

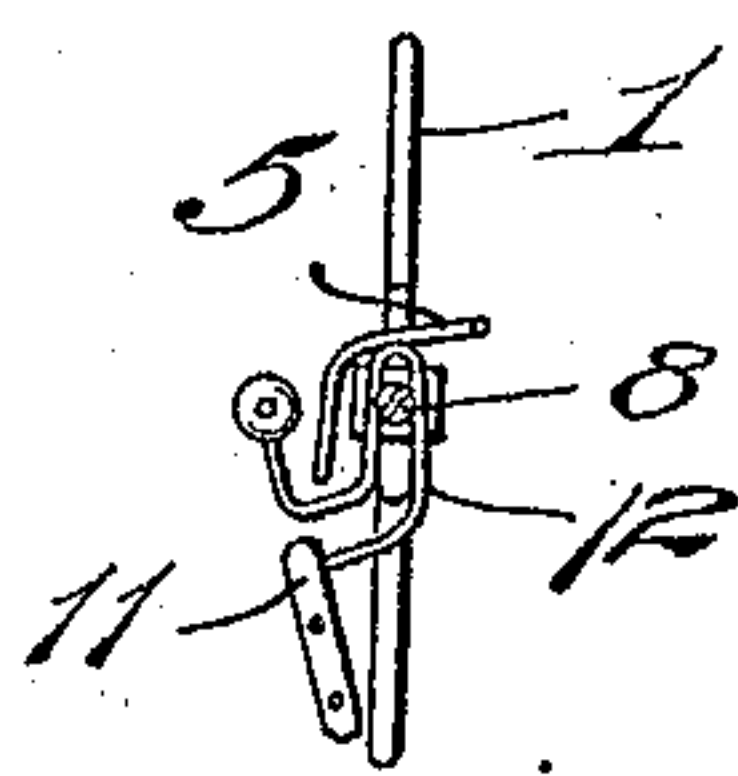


Fig 4.

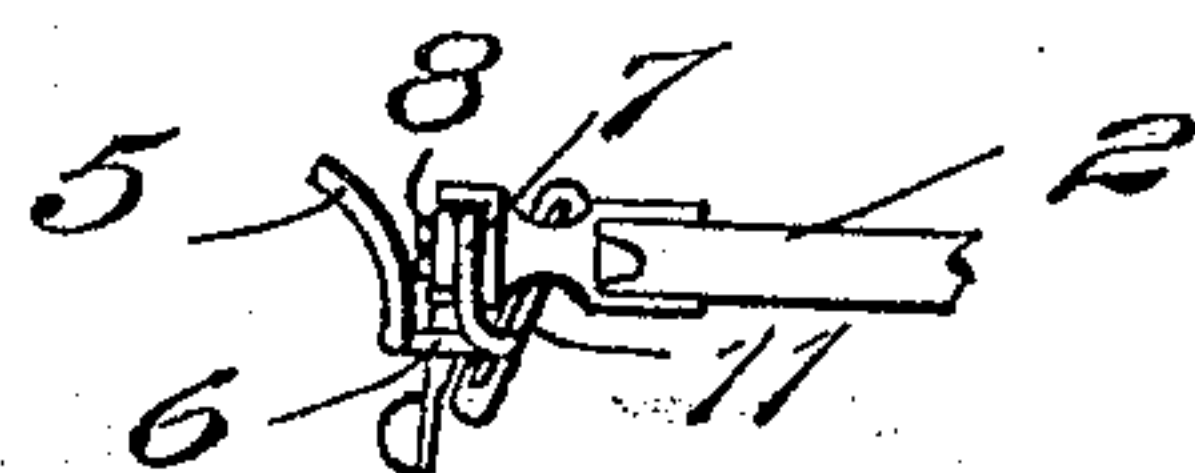
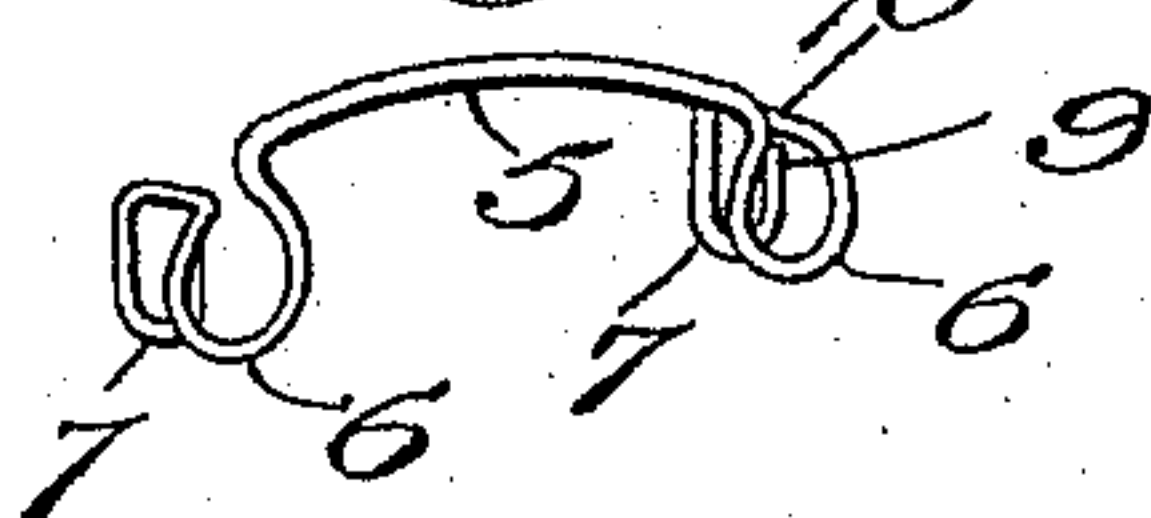


Fig 3.



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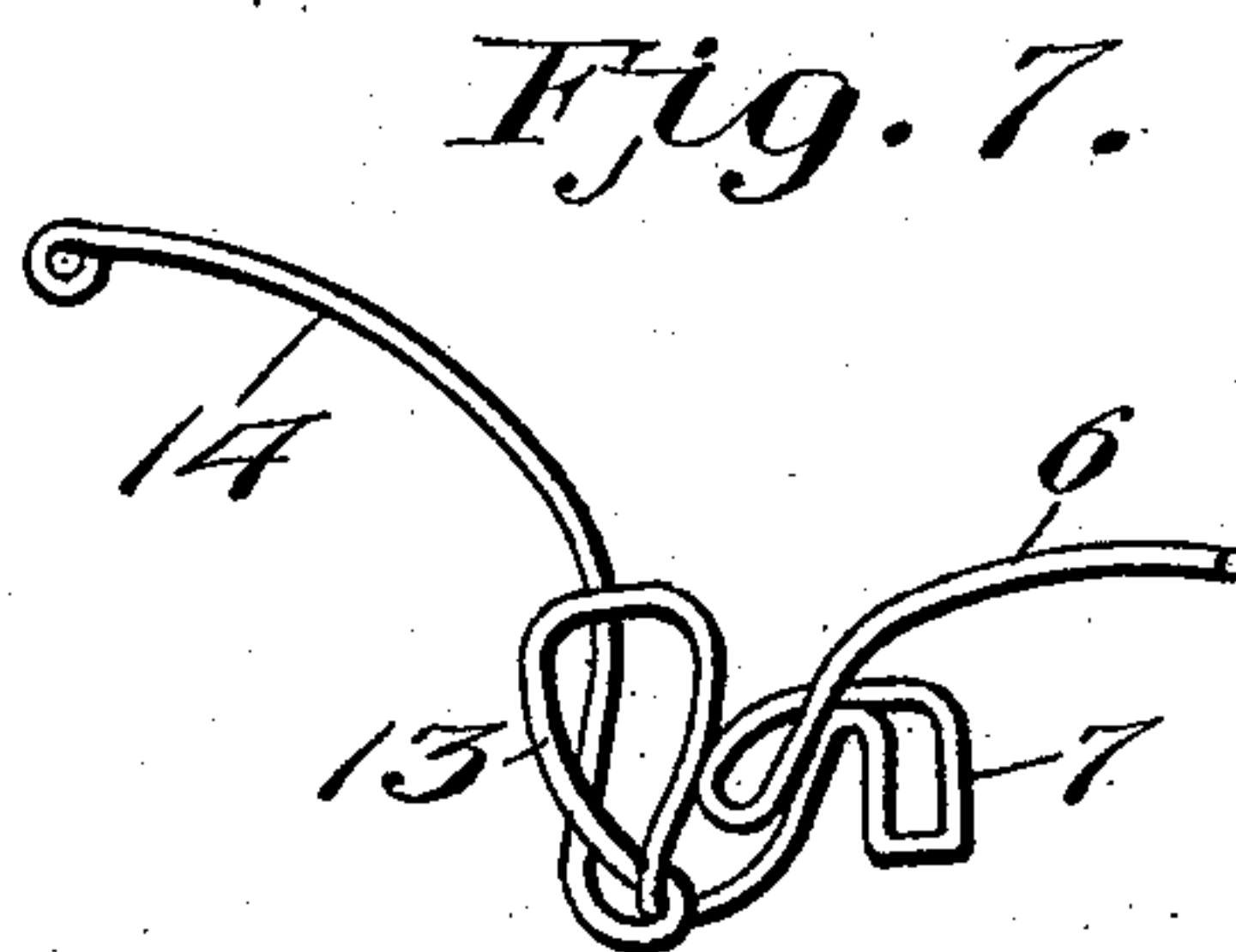
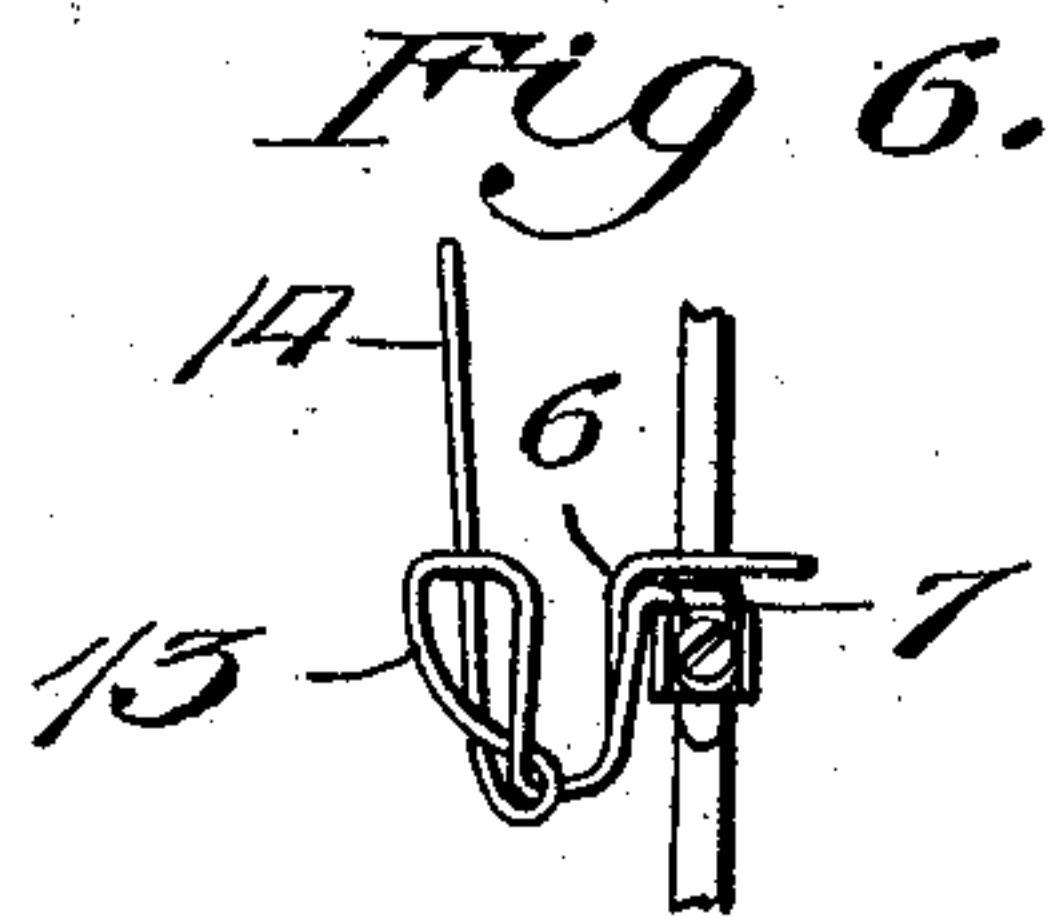
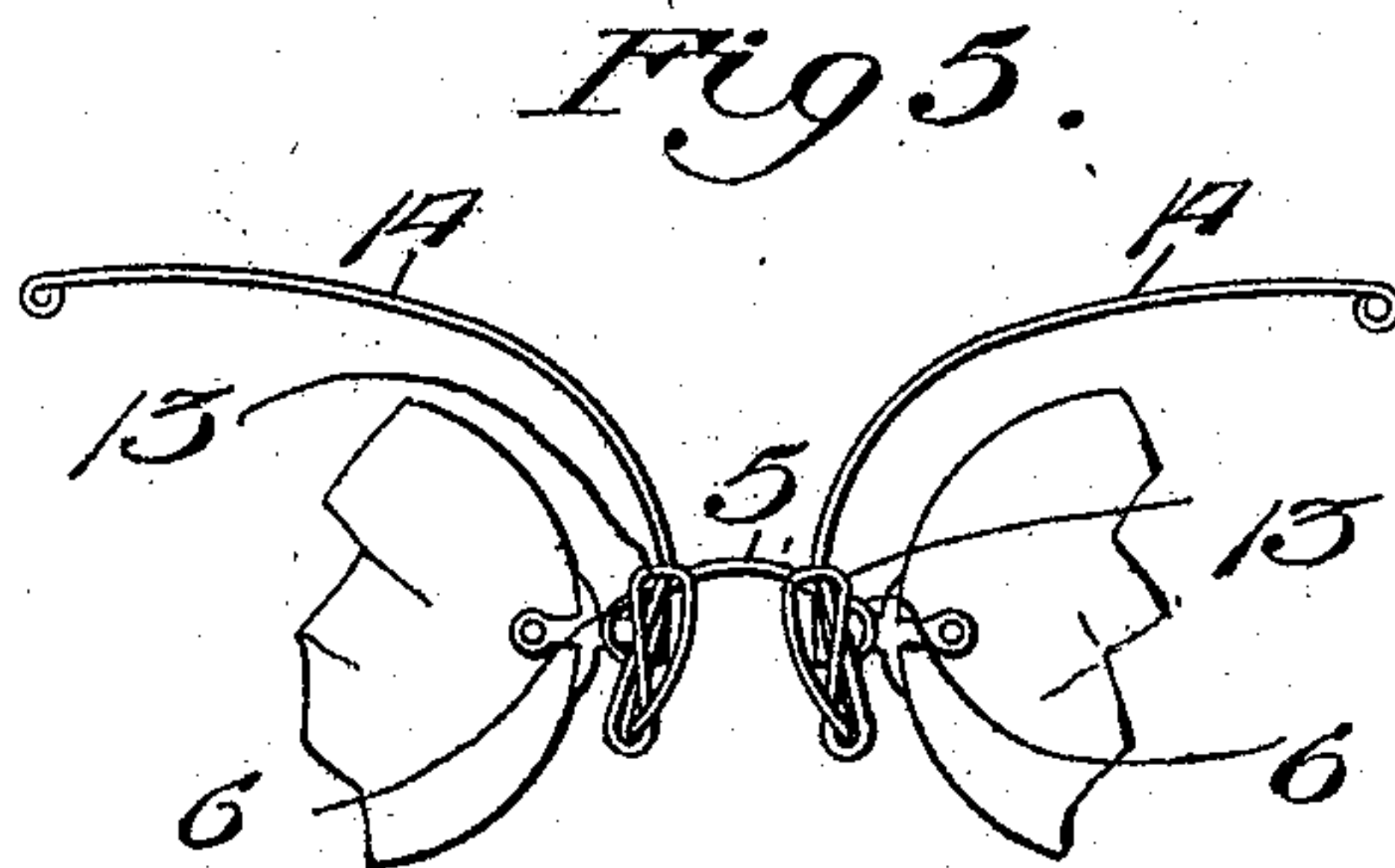
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2 SHEETS—SHEET 2.



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WILLIAM H. SPANGLER, OF PITTSBURG, PENNSYLVANIA.

EYEGLASSES.

No. 806,015.

Specification of Letters Patent.

Patented Nov. 28, 1905.

Application filed September 24, 1904; Serial No. 225,806.

To all whom it may concern:

Be it known that I, WILLIAM H. SPANGLER, a citizen of the United States, residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented new and useful Improvements in Eyeglasses, of which the following is a specification.

This invention relates to eyeglasses.

One object of the invention is to improve and simplify the construction of the bridge; furthermore, to dispose the resilient loops thereof in such manner that they will be concealed by the posts.

A further object of the invention is to construct the bridge, nose-pieces, and springs, which are adapted to engage beneath the eyebrows of the wearer to hold the glasses in position, all from a single piece of wire or resilient material, thus materially reducing the expense attending the manufacture of the glasses and improving their construction.

With the foregoing and other minor objects in view, which will appear as the description proceeds, the invention resides in a bridge-piece having a plurality of loops at each end, one loop at each end being detachably connected with the adjacent post and the other loop being disposed at an angle thereto, so as to lie in a plane parallel with the plane of the lenses and to be concealed from sight behind the post, said last-mentioned loop serving to produce the resiliency necessary for holding the glasses in position.

The invention also resides in the combination and arrangement of parts and in the precise details of construction hereinafter described, and claimed as a practical embodiment thereof.

In the accompanying drawings, forming part of this specification, Figure 1 is a rear elevation of a pair of glasses constructed in accordance with the invention. Fig. 2 is a vertical central section thereof. Fig. 3 is a detail perspective view of the improved bridge. Fig. 4 is a plan view of a post, showing one side of the bridge attached thereto, the lens being partly broken away. Fig. 5 is a view similar to Fig. 1 of a modified form of the invention. Fig. 6 is a vertical central section thereof. Fig. 7 is a perspective view of the invention, showing the form illustrated in Figs. 5 and 6.

Like reference-numerals indicate corresponding parts in the different views.

The reference-numerals 1 2 indicate the lenses, and 3 4 indicate the posts, which are of well-known construction.

As shown in Fig. 3, the bridge 5 is formed at each end with a plurality of loops 6 and 7, said loops being disposed at a right angle with respect to each other, so that each of the loops 7 may be fitted into one of the posts 3 4 and secured thereto by means of the screw 8, and each of the loops 6, which together produce the necessary resiliency of the bridge, lies concealed behind one of the posts 3 4 in a plane parallel with the planes of the lenses 1 2, as clearly shown in Figs. 1 and 4. Each of the loops 7 is closed entirely by bending the end 9 thereof back upon itself until it terminates adjacent to the portion 10, for which reason accidental disengagement of said loop from the screw 8 of each post is prevented.

In the embodiment of invention illustrated by Figs. 1 to 4, inclusive, any convenient form of nose-pieces 11 may be employed, each of said nose-pieces being formed, preferably, with a loop 12, which is held in position by the screw 8.

In the form of invention illustrated by Figs. 5 and 6 the bridge 5 is shaped as shown in Fig. 3—that is to say, it is formed with two loops 6 and 7 adjacent to each of the posts—said loops being disposed at right angles with respect to each other. One loop may be engaged with the post and the other loop may lie in a plane parallel with the plane of the lenses and be concealed behind the adjacent post. The nose-pieces 13 in the second form of the invention are produced by an extension of the loop 7, which is twisted, as shown in Fig. 6. The material from which the nose-pieces 13 is formed is extended upward to produce the spring-arms 14, which are adapted to engage beneath the eyebrows of the wearer and to assist in securing the glasses in position.

It will be observed that the bridge 5, loops 6 and 7, nose-pieces 13, and springs 14 are formed from a single piece of wire or resilient material, whereby the strength of the glasses is increased and the expense attending their manufacture appreciably decreased.

Minor changes in the precise embodiment of invention illustrated and described may be made within the scope of the following claims without departing from the spirit of the invention or sacrificing any of its advantages.

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

1. An eyeglass comprising lenses, posts and
5 a bridge having a plurality of loops at each end, one loop at each end of the bridge being disposed in a plane parallel to the plane of the lenses and being concealed behind the adjacent posts, said loops together providing the
10 resiliency of the bridge, the other loop at each end of the bridge being closed and attached to the adjacent post.

2. An eyeglass comprising lenses, posts and upwardly-extending springs adapted to engage
15 beneath the eyebrows, and a bridge having two loops at each end, one of each of said pair

of loops being disposed in a plane parallel to the plane of the lenses and concealed behind the adjacent posts, said loops together providing the resiliency of the bridge, the other
20 loop of each pair being disposed at a right angle with respect to the first-mentioned loop and detachably fastened to the adjacent post, the springs, bridge and loops being all formed
25 of a single piece of wire.

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

WILLIAM H. SPANGLER.

Witnesses:

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JENNIE E. SPANGLER.