

No. 692,269.

Patented Feb. 4, 1902.

G. GORDON.
SPECTACLE BOW.

(Application filed June 15, 1901.)

(No Model.)

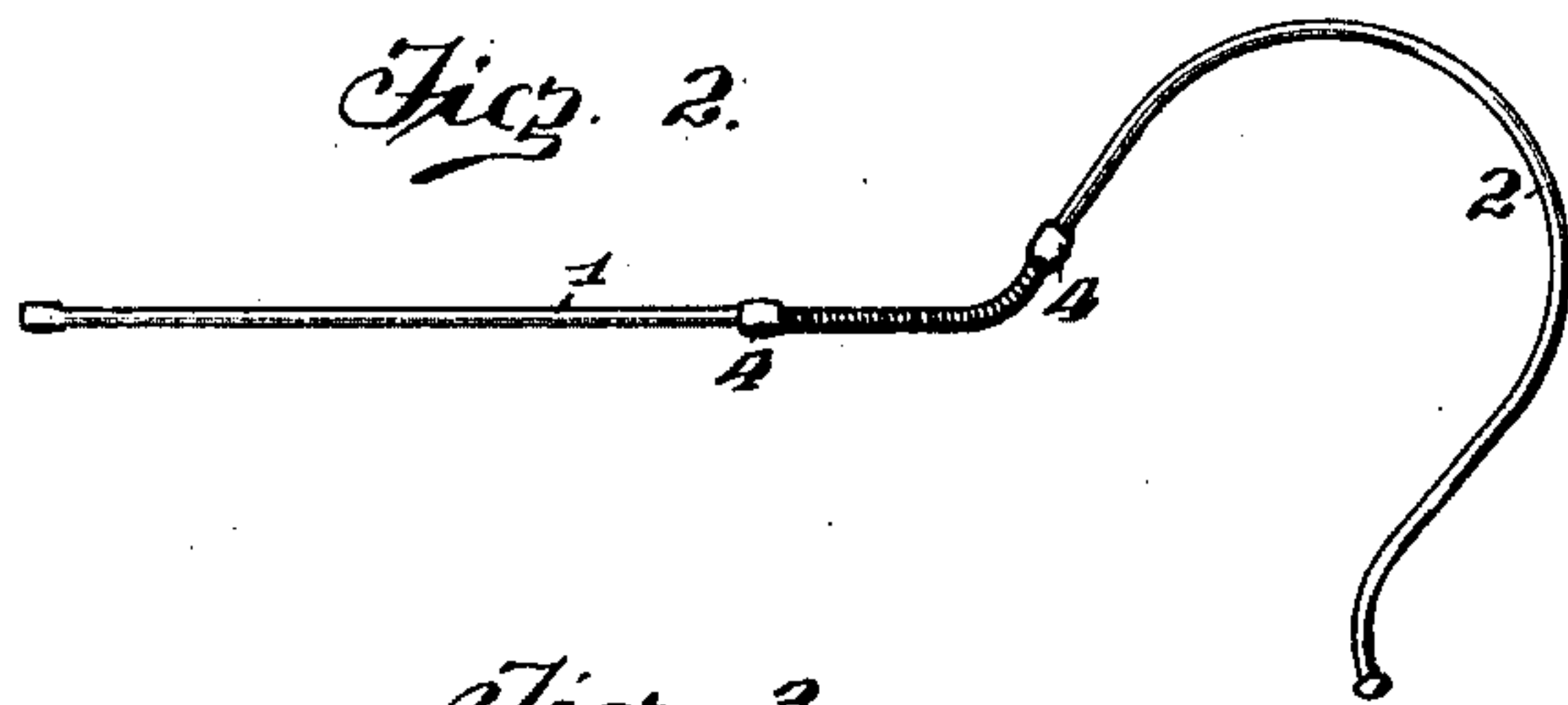
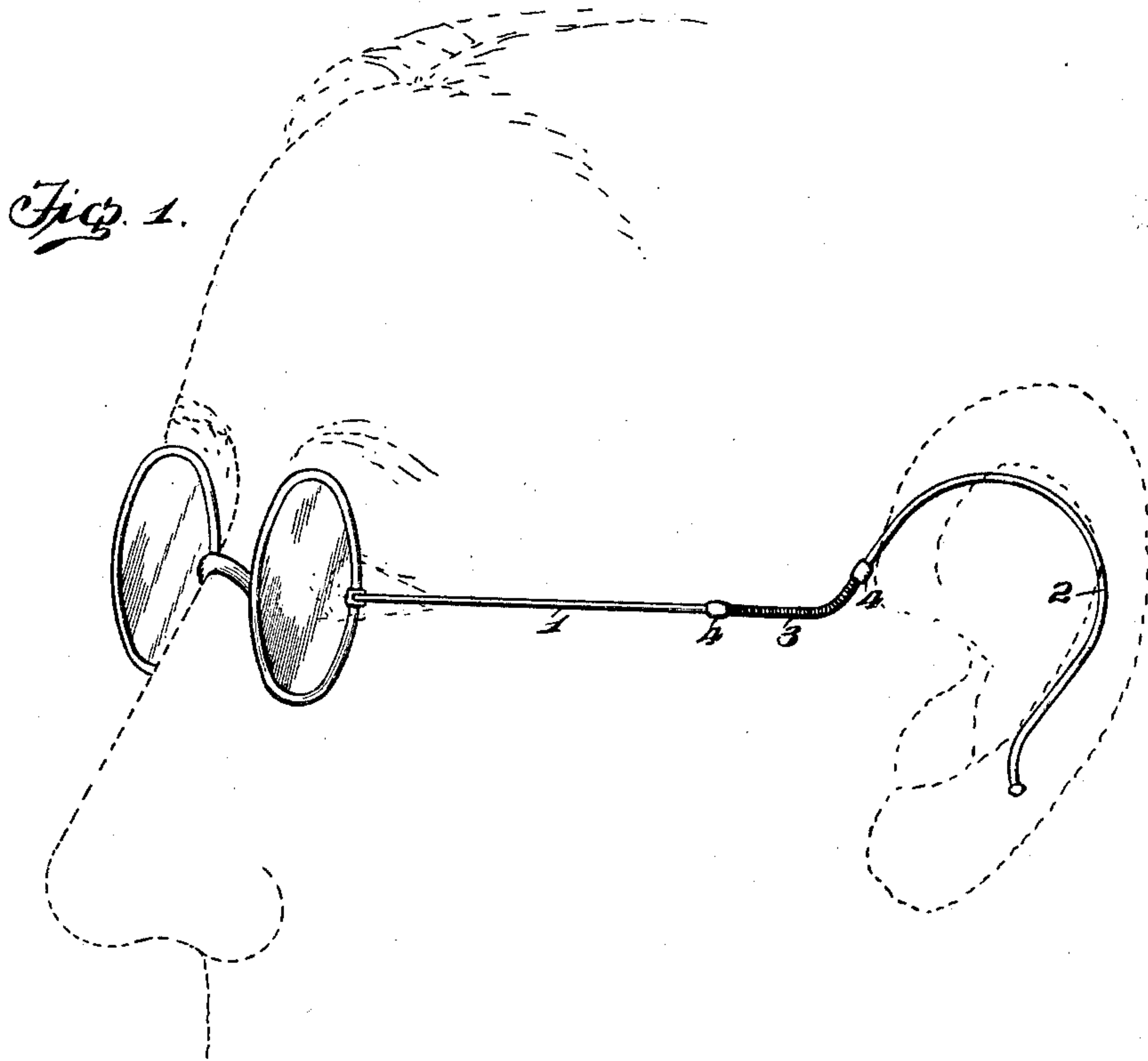


Fig. 3.



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UNITED STATES PATENT OFFICE.

GEORGE GORDON, OF CHICAGO, ILLINOIS.

SPECTACLE-BOW.

SPECIFICATION forming part of Letters Patent No. 692,269, dated February 4, 1902.

Application filed June 15, 1901. Serial No. 64,751. (No model.)

To all whom it may concern:

Be it known that I, GEORGE GORDON, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Spectacle-Bows; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in spectacle-bows; and it consists in providing a bow which is formed of two parts and flexibly secured together, whereby the spectacles will comfortably fit heads of various sizes.

It also consists in certain other novel constructions, combinations, and arrangements of parts, as will be hereinafter more fully described and particularly pointed out and claimed.

In the accompanying drawings, Figure 1 represents a perspective view of a pair of spectacles embodying the feature of my invention and shown applied to the head. Fig. 2 represents in side elevation a spectacle-bow detached and provided with my present invention, and Fig. 3 represents in side elevation an enlarged detail view of the flexible connection between the two parts of the bow.

Considerable discomfort is sometimes caused to persons wearing spectacles owing to the clamping effect of the bows and the pressure of the bridge upon the nose, and in order to obviate these difficulties I contemplate providing means which will permit the bows to conform to the contour of the temples without having any clamping or cutting effect.

In the accompanying drawings the numeral 1 indicates that portion of the bow adapted to be pivotally secured to the frame of the spectacles in the ordinary manner, and 2 indicates the curved rear end of the bow adapted to be adjusted to the ear. The parts 1 and 2 may be made of any suitable material and any preferred shape as is common; but they are separated instead of being made in one piece. Interposed between the outer end of member 1 and the inner end of member 2 is preferably arranged a coiled spring, as 3, which is provided at its ends with suitable sleeves 4 4, adapted to surround and be secured to the said ends of members 1 and 2. The said

sleeves 4 may be secured to members 1 and 2 by soldering or in any other suitable manner. The spring 3 is preferably tempered, so that it will when not in use assume a straight position, as shown in Fig. 3, and when applied to the bow of a pair of spectacles will retain the same normally in a straight position; but when the said spectacles are adjusted to the head with the member 2 passed back of the ear the said spring 3 will conform to the contour of the temple and at the same time permit the bridge to rest lightly upon the nose and allow the member 1 to spread sufficiently to fit snugly the side of the head without clamping or cutting the same. It will be seen, of course, that the coil of spring 3 will permit of a slight longitudinal movement, if necessary, of member 2; but such movement is not the prime object of said spring, though aiding in making the fit of the spectacles more comfortable.

Although I have specifically set forth one particular embodiment of the present invention, yet I do not desire to be understood as limiting myself to the particular embodiment specified, but shall feel at liberty to deviate from the size, shape, and minor details of construction within the spirit and scope of my invention.

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

1. A spectacle-bow comprising two members spaced apart and a spring capable of elongation and flexible in all directions interposed between and connecting the contiguous ends thereof, and left free for lateral movement, substantially as described.

2. The combination with a pair of spectacles of a bow therefor, comprising a rearwardly-extending member pivotally secured to the frame, a curved member adapted to be passed back of the ear, and a coiled spring securing the rear end of the pivoted member to the front end of the curved member, whereby the spring is adapted to conform to the contour of the temple, permit the bridge-piece of the spectacles to rest lightly upon the nose, and prevent the bow from having a clamping or cutting effect, substantially as described.

3. The combination with a pair of spectacles of bows therefor, each comprising a rear-

wardly-extending member pivotally secured to the frame of the spectacles, a curved member adapted to pass back of the ear, a coiled spring interposed between the said members, and a sleeve secured to each end of said spring, one of the sleeves being secured to the outer end of the pivoted member, and the other sleeve secured to the inner end of the curved member, substantially as described.

4. A spectacle-bow comprising a straight member, a curved member spaced therefrom, and a spring capable of elongation and flexible in all directions, interposed therebetween and connecting the contiguous ends of said members, and left free for lateral movement, substantially as described.

5. A spectacle-bow, comprising a straight and a curved member spaced apart, and a coiled spring interposed therebetween and connecting the contiguous ends of said members and left free for lateral movement and

being capable of elongation and flexible in all directions, substantially as described.

6. In a pair of spectacles, the combination with a suitable frame, of bows carried thereby, each comprising a straight rearwardly-extending member, a curved member spaced therefrom and adapted to surround the ear of the wearer, and a laterally and longitudinally flexible spring interposed between said straight and curved members and secured to the contiguous ends thereof, each of the said springs being in such position with relation to said spectacles as, in operation, to press the temple of the wearer, substantially as described.

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

GEORGE GORDON.

Witnesses:

GEORGE E. WISSLER,
CHARLES C. SPENCER.