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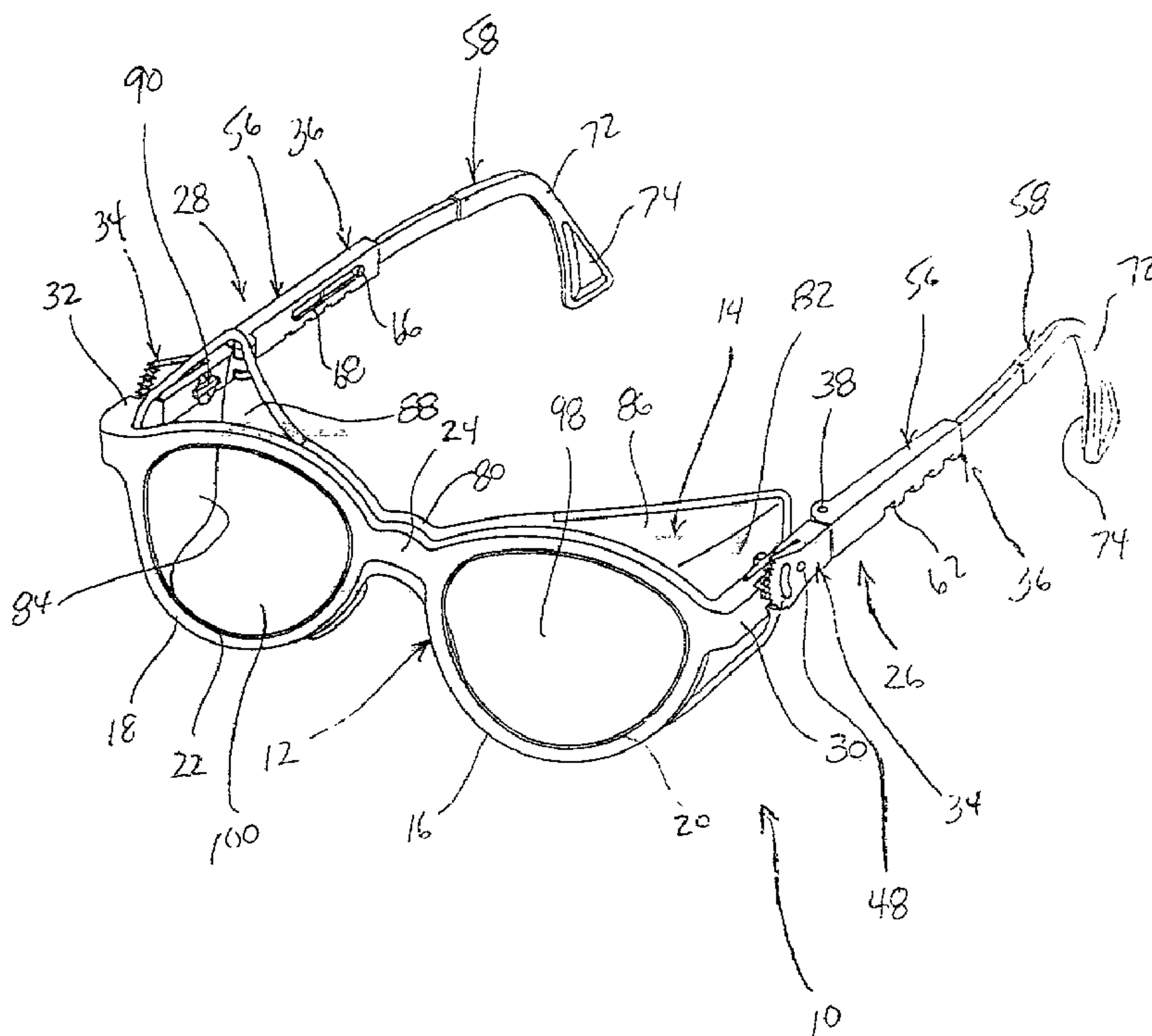
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(51) Int.Cl.<sup>6</sup> A61F 9/04

(30) 1995/11/22 (08/635,204) US

(54) **PROTEGE-LUNETTES**

(54) **PROTECTIVE EYEGGLASS ASSEMBLY**



(57) A protective eyeglass assembly includes a frame having left and right lens frame portions, lens receiving apertures in the frame portions, a central bridge portion connecting the frame portions, and left and right temple bars. The eyeglass assembly further includes an integrally formed lens piece which is adapted to be detachably secured to the frame so that a user can interchange the frame and/or replace the lens piece. The lens piece includes left and right lens panels, a central bridge portion connecting the lens panels, left and right side shields, and left and right upper shields. The lens piece is received in assembled relation with the frame with the left and right lens panels aligned in registry with the left and right lens frame portions. The lens panels and bridge portion of the lens piece have an outer peripheral margin which is substantially similar to the left and right frame portions and bridge portion of the frame such that the lens piece is substantially hidden when viewing the eyeglass assembly from a frontal viewing position. The left and right lens panels further include stepped lens formations which are received in interfitting engagement into the lens receiving apertures of the frame when the lens piece is assembled with the frame. The temple bars are angularly adjustable with respect to the frame portion, and are further telescopically adjustable in length.



1     **Abstract of the Disclosure:**

2             A protective eyeglass assembly includes a frame  
3     having left and right lens frame portions, lens receiving  
4     apertures in the frame portions, a central bridge portion  
5     connecting the frame portions, and left and right temple  
6     bars.     The eyeglass assembly further includes an  
7     integrally formed lens piece which is adapted to be  
8     detachably secured to the frame so that a user can  
9     interchange the frame and/or replace the lens piece. The  
10    lens piece includes left and right lens panels, a central  
11    bridge portion connecting the lens panels, left and right  
12    side shields, and left and right upper shields. The lens  
13    piece is received in assembled relation with the frame  
14    with the left and right lens panels aligned in registry  
15    with the left and right lens frame portions. The lens  
16    panels and bridge portion of the lens piece have an outer  
17    peripheral margin which is substantially similar to the  
18    left and right frame portions and bridge portion of the  
19    frame such that the lens piece is substantially hidden  
20    when viewing the eyeglass assembly from a frontal viewing  
21    position. The left and right lens panels further include  
22    stepped lens formations which are received in  
23    interfitting engagement into the lens receiving apertures  
24    of the frame when the lens piece is assembled with the  
25    frame.     The temple bars are angularly adjustable with  
26    respect to the frame portion, and are further

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1   telescopically adjustable in length.

1     **PROTECTIVE EYEGLOSS ASSEMBLY**

2     **Background and Summary of the Invention:**

3             The instant invention relates to protective eyewear,  
4     and more particularly to a protective eyeglass assembly  
5     including a frame portion and a protective lens piece  
6     which may be readily assembled and disassembled with the  
7     frame for quick, and efficient interchange of the frame  
8     and/or replacement of the lens piece.

9             The importance of wearing safety or protective  
10    glasses in many industrial environments is widely  
11    recognized, and as a result, a variety of different types  
12    and styles of protective eyeglasses have been heretofore  
13    available. While the currently existing protective  
14    eyeglasses are adequate for their intended purpose, there  
15    is nevertheless a continuing need for improved versions  
16    of protective eyeglasses. In this regard, protective  
17    eyeglasses which mimic current designer frame styles and  
18    which offer versatility to change frame colors or styles,  
19    and to replace lens pieces are believed to be highly  
20    desirable in the market.

21            The instant invention provides a novel and effective  
22    protective eyeglass assembly which has a high degree of  
23    versatility. More specifically, the eyeglass assembly of  
24    the instant invention comprises a frame, and a lens piece  
25    which is adapted to be detachably secured to the frame so  
26    that a user can interchange the frame for another frame

1 of the same type, but of a different color or appearance,  
2 and/or replace the lens piece if the lens piece becomes  
3 damaged.

4 The frame comprises left and right lens frame  
5 portions, left and right lens receiving apertures  
6 respectively formed in the left and right lens frame  
7 portions, a bridge portion connecting the left and right  
8 lens frame portions, and left and right temple bars  
9 extending rearwardly from the left and right lens frame  
10 portions. The temple bars are angularly adjustable with  
11 respect to the left and right lens frame portions, and  
12 are also telescopically adjustable in length.

13 The lens piece is preferably integrally molded from  
14 a durable, transparent, plastic material and includes  
15 left and right lens panels, a central bridge portion  
16 connecting the left and right lens panels, left and right  
17 side shields extending rearwardly from left and right  
18 side extremities of the left and right lens panels, and  
19 left and right upper shields extending between left and  
20 right upper extremity portions of the left and right lens  
21 panels, and the left and right side shields,  
22 respectively.

23 The lens piece is received in assembled relation  
24 with the frame with the left and right lens panels  
25 aligned in registry with the left and right lens frame  
26 portions. The lens piece and the frame are secured in

1 assembled relation by means of interengaging formations  
2 on the frame and lens piece. More specifically, the left  
3 and right temple bars each include an inwardly extending,  
4 horizontally disposed T-shaped pin, while the left and  
5 right side shields of the lens piece include a  
6 complementary vertically disposed slot for receiving  
7 their respective pins. The central bridge portion of the  
8 lens piece further includes a detent, while the bridge  
9 portion of the frame includes a small recess for  
10 receiving the detent. To assemble the frame and lens  
11 piece, the temple bars of the frame are bent outwardly to  
12 insert the pins into the slots in the side shields of the  
13 lens piece. In this regard, the lens piece is originally  
14 positioned with the lens panels facing downwardly so that  
15 the slots in the side shields are disposed horizontally  
16 and aligned with the pins, and then the lens piece is  
17 rotated forwardly and upwardly with respect to the frame  
18 to engage the lens piece detent with the recess in the  
19 bridge portion of the frame. The pins along with the  
20 detent cooperate to maintain the lens piece in assembled  
21 relation with the frame.

22 The left and right lens panels and the bridge  
23 portion of the lens piece are preferably formed with an  
24 outer peripheral margin which is generally similar to the  
25 outer peripheral margin of the left and right lens frame  
26 portions and the bridge portion of the frame such that

1 the lens piece is substantially hidden from view when  
2 viewing the assembled eyeglasses from a frontal viewing  
3 position. Still further, the left and right lens panels  
4 each include a stepped lens formation which is received  
5 in interfitting engagement into the aligned lens  
6 receiving aperture of the frame portion when the lens  
7 piece is assembled with the frame. The stepped lens  
8 formation creates the perception that there are  
9 individual lenses snapped into the lens frame apertures.

10 It has been found that the protective eyeglass  
11 assembly of the instant invention has significant  
12 marketing advantages over the heretofore available  
13 protective eyeglasses. Specifically, because the lens  
14 piece is removable from the frame, the frame can be  
15 interchanged with another frame of a different color or  
16 appearance by simply disassembling the lens piece from  
17 the original frame and assembling it with a new frame.  
18 Furthermore, the particular design of the frame and lens  
19 piece is intended to minimize the visibility of the lens  
20 piece, and thereby create the perception of a  
21 conventional pair of designer glasses rather than a bulky  
22 pair of protective goggles. The provision of designer  
23 style protective eyewear makes it more fashionable to  
24 wear the protective eyewear, and thus increases the  
25 number of people who will actually wear protective  
26 eyewear. Still further, because of the unitized

construction of the lens piece and the manner in which it is adapted for assembly with the frame, the lens piece is able to provide highly effective eye protection. Even further still, the overall construction of the frame and lens piece enables the protective eyeglasses of the subject invention to be comfortably and effectively worn by a user for a prolonged period of time.

Accordingly, the instant invention provides a protective eyeglass assembly comprising a lens piece and a frame which is detachable from the lens piece for interchanging the frame with another frame of a different color or appearance, and/or replacement of the lens portion if the lens portion becomes scratched or damaged. The invention also provides temple bars which are angularly adjustable with respect to the lens frame portions, and provides temple bars which are telescopically adjustable in length.

Further additional features and advantages of the invention shall become apparent as the description thereof proceeds when considered in connection with the accompanying illustrative drawings.

1       **Description of the Drawings:**

2               In the drawings which illustrate the best mode  
3 presently contemplated for carrying out the present  
4 invention:

5               Fig. 1 is a perspective view of the eyeglass  
6 assembly of the instant invention.

7               Fig. 2 is a perspective view thereof with a pair of  
8 lens portion in exploded relation.

9               Fig. 3 is a front elevational view of the assembled  
10 eyeglass assembly;

11              Fig. 4 is a cross-sectional view thereof taken along  
12 lines 4-4 of Fig. 3;

13              Fig. 5 is a side elevational view thereof;

14              Fig. 6 is a top elevational view thereof;

15              Fig. 7 is a rear elevational view thereof;

16              Fig. 8 is an enlarged side view of the temple bar  
17 with a side portion of the temple bar body removed for  
18 illustration of the temple bar stem; and

19              Fig. 9 is an enlarged top view of the temple bar  
20 with a top portion of the temple bar body removed for  
21 illustration of the temple bar stem.

1       **Description of the Invention:**

2           Referring now to the drawings, the protective  
3 eyeglass assembly of the instant invention is illustrated  
4 and generally indicated at 10 in Figs. 1-7. The eyeglass  
5 assembly 10 comprises a frame generally indicated at 12,  
6 and a lens piece generally indicated at 14 which is  
7 removably secured to the frame 12 as will hereinafter be  
8 more fully set forth.

9           The frame 12 is preferably constructed from a  
10 durable plastic material, and comprises left and right  
11 lens frame portions 16, 18 respectively, left and right  
12 lens receiving apertures 20, 22 respectively formed in  
13 the left and right lens frame portions 16, 18, a central  
14 bridge portion 24 connecting the left and right lens  
15 frame portions 16, 18, and left and right temple bar  
16 assemblies generally indicated at 26, 28 extending  
17 rearwardly from the left and right lens frame portions  
18 16, 18. More specifically, the left and right lens frame  
19 portions 16, 18 include respective side bar portions 30,  
20 32 which extend rearwardly from the peripheral edges of  
21 the respective lens frame portion 16, 18, and the temple  
22 bar assemblies 26, 28 are attached to these side bar  
23 portions of the frame 12. The temple bar assemblies 26,  
24 28 are angularly adjustable with respect to the left and  
25 right lens frame portions 16, 18 by means of a ratchet  
26 assembly, and are further telescopically adjustable in

1 length. In this regard, each of the temple bar assemblies  
2 26, 28 is identical in construction, and therefore to  
3 facilitate description thereof, only one set of reference  
4 numerals will be utilized for both temple bar assemblies  
5 26, 28. Each of the temple bar assemblies 26, 28  
6 comprises a front temple bar portion generally indicated  
7 at 34 and a rear temple bar portion generally indicated  
8 at 36 which are hingeably connected by a pin 38 which  
9 extends along a vertical axis. The pin 38 provides for  
10 folding of the rear temple bar portion 36 inwardly for  
11 storage. Referring to Figs. 6 and 8, the front temple bar  
12 portions 34 is generally U-shaped having a body portion  
13 40 and inner and outer spaced leg portions 42, and 44  
14 respectively (See Fig. 6). The spaced leg portions 42, 44  
15 are received in interfitting relation on opposing sides  
16 of a rearwardly extending finger portion 46 of the  
17 respective side bar portion 30, 32 of the frame 12 and  
18 are maintained in assembly relation by another pin 48  
19 extending along a horizontal axis. The pin 48 provides  
20 for pivoting or angular movement of the front temple bar  
21 portion 34 with respect to the side bar portions 30, 32  
22 of the frame 12. Angular adjustment of the position of  
23 the front temple bar portion 34 is provided by facing  
24 ratchet surfaces formed on the outer leg 44 of the front  
25 temple bar portion 34 and on the respective side bar  
26 portion 30, 32 of the frame 12. More specifically, the

1        outer leg 44 of the front temple bar portion 34 includes  
2        an enlarged end portion having an arcuate surface, and  
3        serrations 50 formed on the arcuate surface (See Fig. 8).  
4        The end portion of the leg 44 is further provided with an  
5        arcuate slot 52 adjacent the arcuate end surface to  
6        provide a limited degree of inward flex in the serrated  
7        end 50 of the leg 44. The serrations 50 on the outer leg  
8        44 face and engage with a detent 54 formed on a shoulder  
9        of the respective side bar portion 30, 32 and prevent  
10       unintended pivoting movement of the respective temple bar  
11       assembly 26, 28 once positioned by the wearer. However,  
12       the operator may nevertheless adjust the angular position  
13       of the temple bar assembly 26, 28 by applying slight  
14       pressure to the temple bar.

15       The rear temple bar portion 36 comprises a body  
16       portion generally indicated at 56 which includes the  
17       hinge connection to the front temple bar portion 34, and  
18       a stem portion generally indicated at 58. The body  
19       portion 56 is generally tubular in construction, and the  
20       stem portion 58 is slidably received within the body  
21       portion 56 for sliding movement therein. In this manner,  
22       the stem portion 58 is telescopically adjustable in  
23       length with respect to the body portion 56. To provide  
24       fixed adjustment points, the stem portion 58 includes a  
25       detent 60 on the bottom surface thereof while the body  
26       portion 56 includes a series of longitudinally spaced

1 openings 62 in the bottom surface thereof for receiving  
2 the detent 60. The stem 58 is further provided with a  
3 slot 64 (Fig. 8) adjacent the bottom edge thereof in  
4 proximity to the detent 60 to provide slight bend or  
5 inward flex of the detent 60 when moving the stem 58  
6 within the body portion 56. The operator of the glasses  
7 10 may adjust the length of the temple bar stem 58 by  
8 forcefully pulling or pushing the stem 58 in relation to  
9 the body portion 56 to position the detent 60 in one of  
10 the openings 62. Rearward movement of the stem 58 is  
11 restricted by a projecting pin 66 (Figs. 1, 2, 8, and 9)  
12 formed on the inner side of the stem 58 which rides in a  
13 slot 68 (Figs. 1, 2, 8 and 9) formed in the inner side of  
14 the body portion 56. The stem 58 is further provided  
15 with a vertically extending groove 70 (Fig. 9) adjacent  
16 the terminal end thereof. The groove 70 provides bending  
17 flex of the stem 58 for insertion into and removal from  
18 the body portion 56. The rearward end of the stem 58  
19 includes a curved body portion 72 for receipt around the  
20 ear of a wearer, and further includes a resilient pad 74  
21 which is integrally formed with the body 72. The  
22 structure of this dual flex temple stem is more  
23 specifically illustrated and described in U.S. Patent No.  
24 5,345,616.

1           Referring particularly to Fig. 2, the lens piece 14  
2           is preferably integrally molded from a durable,  
3           transparent plastic material, and includes left and right  
4           lens panels generally indicated at 76, 78, a central  
5           bridge portion 80 connecting the left and right lens  
6           panels 76, 78, left and right side shields 82, 84  
7           extending rearwardly from left and right side extremities  
8           of the left and right lens panels 76, 78, and left and  
9           right upper shields 86, 88 extending between left and  
10          right upper extremity portions of the left and right lens  
11          panels 76, 78, and the left and right side shields 82,  
12          84, respectively.

13           The lens piece 14 is received in assembled relation  
14          with the frame 12 with the left and right lens panels 76,  
15          78 aligned in registry with the left and right lens frame  
16          portions 16, 18. More specifically, the lens piece 14  
17          and the frame 12 are detachable secured in assembled  
18          relation by means of interengaging formations on the  
19          frame 12 and lens piece 14. Still more specifically, the  
20          front temple bar portions 34 of the left and right temple  
21          bar assemblies 26, 28 each include an inwardly extending,  
22          horizontally disposed T-shaped pin 90 (Seen most clearly  
23          in Fig. 2), while the left and right side shields 82, 84  
24          of the lens piece 14 include a complementary vertically  
25          disposed slots 92 for receiving the respective pin 90.  
26          The central bridge portion 80 of the lens piece 14

1 further includes a detent 94, while the bridge portion 24  
2 of the frame 12 includes a small recess 96 (Fig. 6) for  
3 receiving the detent 94.

4 To assemble the lens piece 14 and the frame 12, the  
5 temple bar assemblies 26, 28 of the frame 12 are bent  
6 outwardly to insert the pins 90 into the slots 92 in the  
7 side shields 82, 84 of the lens piece 14. In this  
8 regard, the lens piece 14 is first positioned with the  
9 lens panels 76, 78 facing downwardly so that the slots 92  
10 are oriented horizontally and aligned with the T-shaped  
11 pins 90. The lens piece 14 is then rotated upwardly and  
12 forwardly with respect to the frame 12 to interlock the  
13 T-shaped pin 90 with the slots 92, and to engage the lens  
14 piece detent 94 with the recess 96 in the bridge portion  
15 24 of the frame 12.

16 Referring to Fig. 3, it is pointed out that the left  
17 and right lens panels 76, 78 and the bridge portion 80 of  
18 the lens piece 14 are preferably formed with an outer  
19 peripheral margin which is generally similar to the outer  
20 peripheral margin of the left and right lens frame  
21 portions 16, 18 and the bridge portion 24 of the frame 12  
22 such that the lens piece 14 is substantially hidden from  
23 view when viewing the assembled eyeglasses 10 from a  
24 frontal viewing position. The intention of this  
25 arrangement is to create the perception that the wearer

1        is not actually wearing protective glasses, rather that  
2        they are wearing a conventional pair of glasses.

3            Referring to Figs. 1, 2, and 4, the left and right  
4        lens panels 76, 78 each further comprise a stepped lens  
5        formation 98, 100 which is received in interfitting  
6        engagement into the aligned lens receiving aperture 20,  
7        22 of the frame portion 12 when the lens piece 14 is  
8        assembled with the frame 12 (Fig. 4). The stepped  
9        formations 98, 100 have an outer peripheral margin which  
10       is substantially identical to the outer peripheral margin  
11       of the lens apertures 20, 22 such that the stepped  
12       formations 98, 100 appear as inserted lenses when the  
13       lens piece 14 is assembled with the frame 12. The outer  
14       peripheral sides of the stepped formations 98, 100 and  
15       the inner peripheral sides of the lens apertures 20, 22  
16       further include complementary chamfered edges 102, 104  
17       respectively  
18       (Fig. 4), for a snug interfitting engagement of the lens  
19       piece 14 and the frame 12.

20            It is seen, therefore that the instant invention  
21        provides an effective protective eyeglass assembly 10  
22        which has significant advantages over the heretofore  
23        available safety eyeglasses. Specifically, because the  
24        lens piece 14 is removable from the frame 12, the frame  
25        12 can be interchanged with another frame of a different  
26        color or appearance by simply disassembling the lens

1 piece 14 from the original frame 12 and assembling it  
2 with a new frame. Furthermore, the particular design of  
3 the frame 12 and lens piece 14 is intended to minimize  
4 the visibility of the lens piece 14, and thereby create  
5 the perception of a conventional pair of designer  
6 glasses. The provision of designer style protective  
7 eyewear makes it more fashionable to wear the protective  
8 eyewear, and thus increases the number of people who will  
9 actually wear protective eyewear. Still further, because  
10 of the unitized construction of the lens piece 14 and the  
11 manner in which it is adapted for assembly with the frame  
12 12, the lens piece 14 is able to provide highly effective  
13 eye protection. Even further still, the overall  
14 construction of the frame 12 and lens piece 14 enables  
15 the protective eyeglasses of the subject invention to be  
16 comfortably and effectively worn by a user for a  
17 prolonged period of time. Yet further, the stepped lens  
18 formations 98, 100 of the lens piece 14 create he  
19 perception of inserted lenses within the frame 12.

20 While there is shown and described herein certain  
21 specific structure embodying the invention, it will be  
22 manifest to those skilled in the art that various  
23 modifications and rearrangements of the parts may be made  
24 without departing from the spirit and scope of the  
25 underlying inventive concept and that the same is not  
26 limited to the particular forms herein shown and

1 described except insofar as indicated by the scope of the  
2 appended claims.

## CLAIMS:

1. A protective safety eyeglass assembly comprising:

a frame including left and right lens frame portions connected by a central bridge portion, said left and right lens frame portions each including a lens receiving aperture, said frame further including left and right temple bar portions;

a protective lens piece integrally molded from a shatter resistant, transparent plastic material and including left and right lens panels connected by a central bridge portion, said lens piece being received in assembled relation with said frame with said left and right lens panels aligned in registry with said left and right lens frame portions, said left and right lens panels and said bridge portion of said lens piece having an outer peripheral margin which is generally similar to an outer peripheral margin of said left and right frame portion and said bridge portion of said frame such that said lens piece is substantially hidden from view when viewing said eyeglass assembly from a frontal viewing position; and

means for detachably securing said lens piece to said frame when said lens piece is received in assembled relation with said frame.

2. The protective eyeglass assembly of claim 1, wherein said left and right lens panels each include a stepped lens formation, said stepped lens formation being respectively received in interfitting engagement in the lens receiving aperture of the frame portions of the frame when said lens piece is assembled with said frame.

3. The protective eyeglass assembly of claim 2, wherein the outer peripheral margins of said stepped lens formations are substantially similar to the inner peripheral margins of the respective lens receiving apertures.

4. The protective eyeglass assembly of claim 2, wherein said left and right temple bars are angularly adjustable with respect to said left and right lens frame portions.

5. The protective eyeglass assembly of claim 2, wherein said left and right temple bars are telescopically adjustable to different lengths.

6. The protective eyeglass assembly of claim 5, wherein said left and right temple bars are telescopically adjustable to different lengths.

7. The protective eyeglass assembly of claim 1, wherein said means for detachably securing said lens piece to said frame includes means for detachably securing said bridge portion of the lens piece to said bridge portion of said frame, and further including means for detachably securing said left and right temple bars to the left and right side shields of said lens piece.

8. The protective eyeglass assembly of claim 7, wherein said means for detachably securing said bridge portion of said lens piece to said bridge portion of said frame comprise interengaging formations formed on said respective bridge portions.

9. The protective eyeglass assembly of claim 7, wherein said means for detachably securing said left and right temple bars to the left and right side shields of said lens piece comprise interengaging formations formed on said temple bars and said side shields.

10. The protective eyeglass assembly of claim 9, wherein said interengaging formations comprise a T-shaped pin extending inwardly from said temple bar, and a complementary slot formed in said side shield.

11. The protective eyeglass assembly of claim 10, wherein said means for detachably securing said bridge portion of said lens piece to said bridge portion of said frame comprise interengaging formations formed on said respective bridge portions.

12. The protective eyeglass assembly of claim 9, wherein said means for detachably securing said bridge portion of said lens piece to said bridge portion of said frame comprise interengaging formations formed on said respective bridge portions.

13. The protective eyeglass assembly of claim 1, wherein said left and right temple bars are angularly adjustable with respect to said left and right lens frame portions.

14. The protective eyeglass assembly of claim 1, wherein said left and right temple bars are telescopically adjustable to different lengths.

15. The protective eyeglass assembly of claim 14, wherein said left and right temple bars are telescopically adjustable to different lengths.

16. The protective eyeglass assembly of claim 1, wherein said lens piece further includes rearwardly extending shield portions.

17. The protective eyeglass assembly of claim 16, wherein said lens piece includes left and right side shields extending rearwardly from respective left and right side extremities of said left and right lens panels; and left and right upper shields extending between left and right upper extremity portions of said left and right lens panels and said left and right side shields.

18. A protective safety eyeglass assembly comprising:

a frame including left and right lens frame portions connected by a central bridge portion, said left and right lens frame portions each including a lens receiving aperture, said frame further including left and right temple bar portions;

a protective lens piece integrally molded from a shatter resistant, transparent plastic material and including left and right lens panels connected by a central bridge portion, said lens piece being received in assembled relation with said frame with said left and right lens panels aligned in registry with said left and right lens frame portions, said left and right lens panels each include a stepped lens formation, said stepped lens formation being respectively received in interfitting engagement in the lens receiving aperture of the frame portions of the frame when said lens piece is assembled with said frame; and

means for detachably securing said lens piece to said frame when said lens piece is received in assembled relation with said frame.

19. The protective eyeglass assembly of claim 18, wherein the outer peripheral margins of said stepped lens formations are substantially identical to the inner peripheral margins of the respective lens receiving apertures.

20. The protective eyeglass assembly of claim 18, wherein said left and right temple bars are angularly adjustable with respect to said left and right lens frame portions.

21. The protective eyeglass assembly of claim 18, wherein said left and right temple bars are telescopically adjustable to different lengths.

22. The protective eyeglass assembly of claim 21, wherein said left and right temple bars are telescopically adjustable to different lengths.

23. The protective eyeglass assembly of claim 18, wherein said lens piece further includes rearwardly extending shield portions.

24. The protective eyeglass assembly of claim 23, wherein said lens piece includes left and right side shields extending rearwardly from respective left and right side extremities of said left and right lens panels, and left and right upper shields extending between left and right upper extremity portions of said left and right lens panels and said left and right side shields.

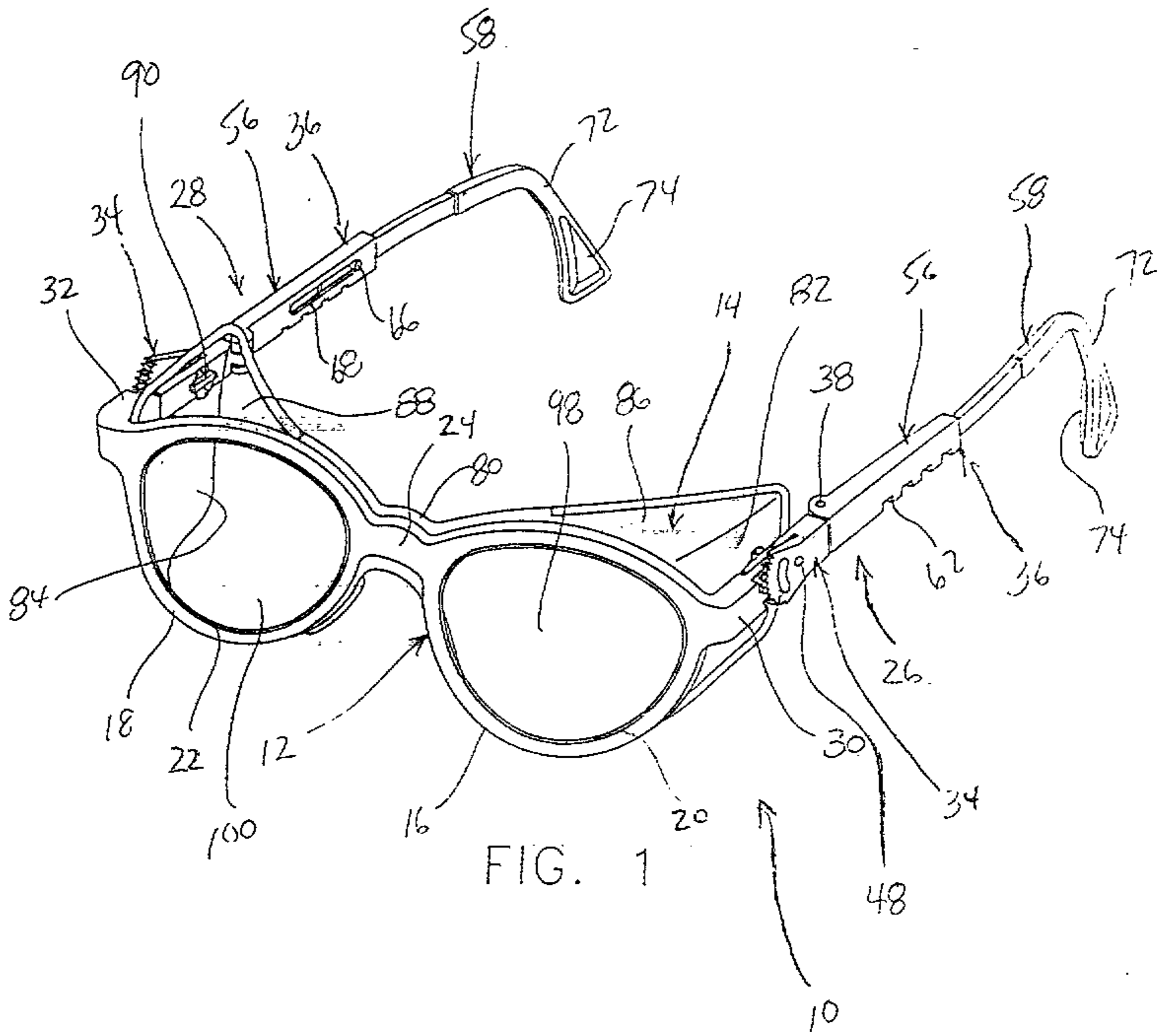


FIG. 1

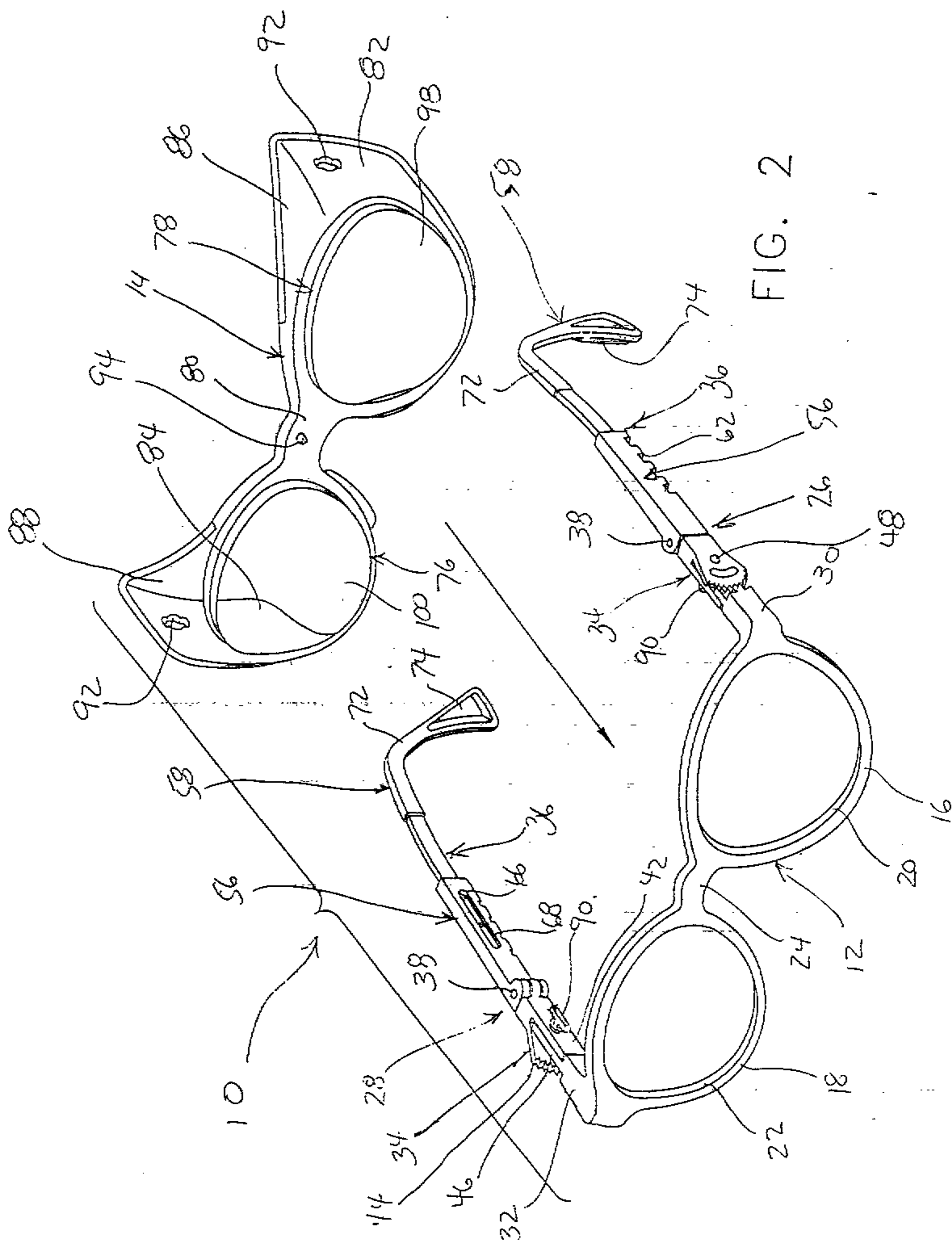


FIG. 2

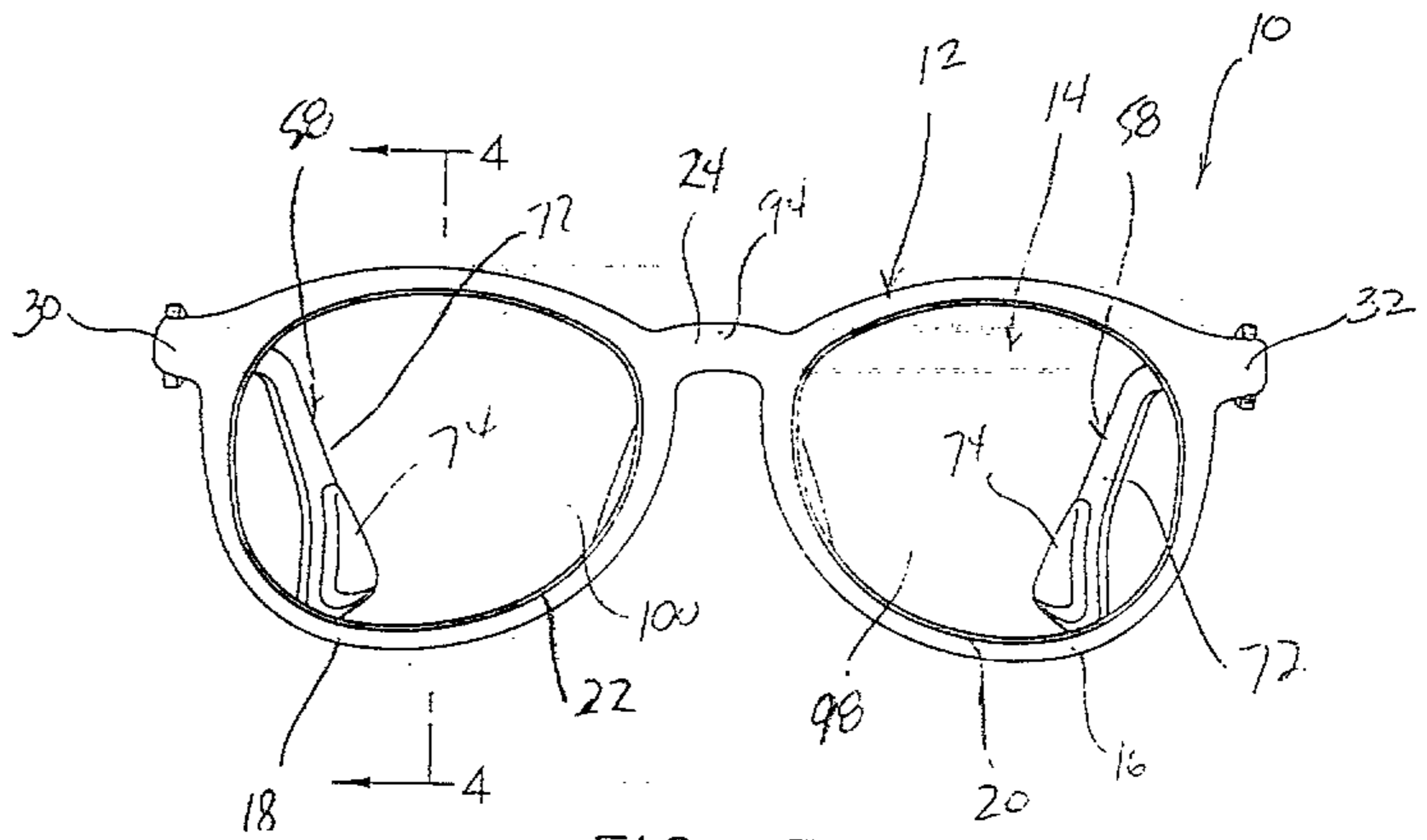


FIG. 3

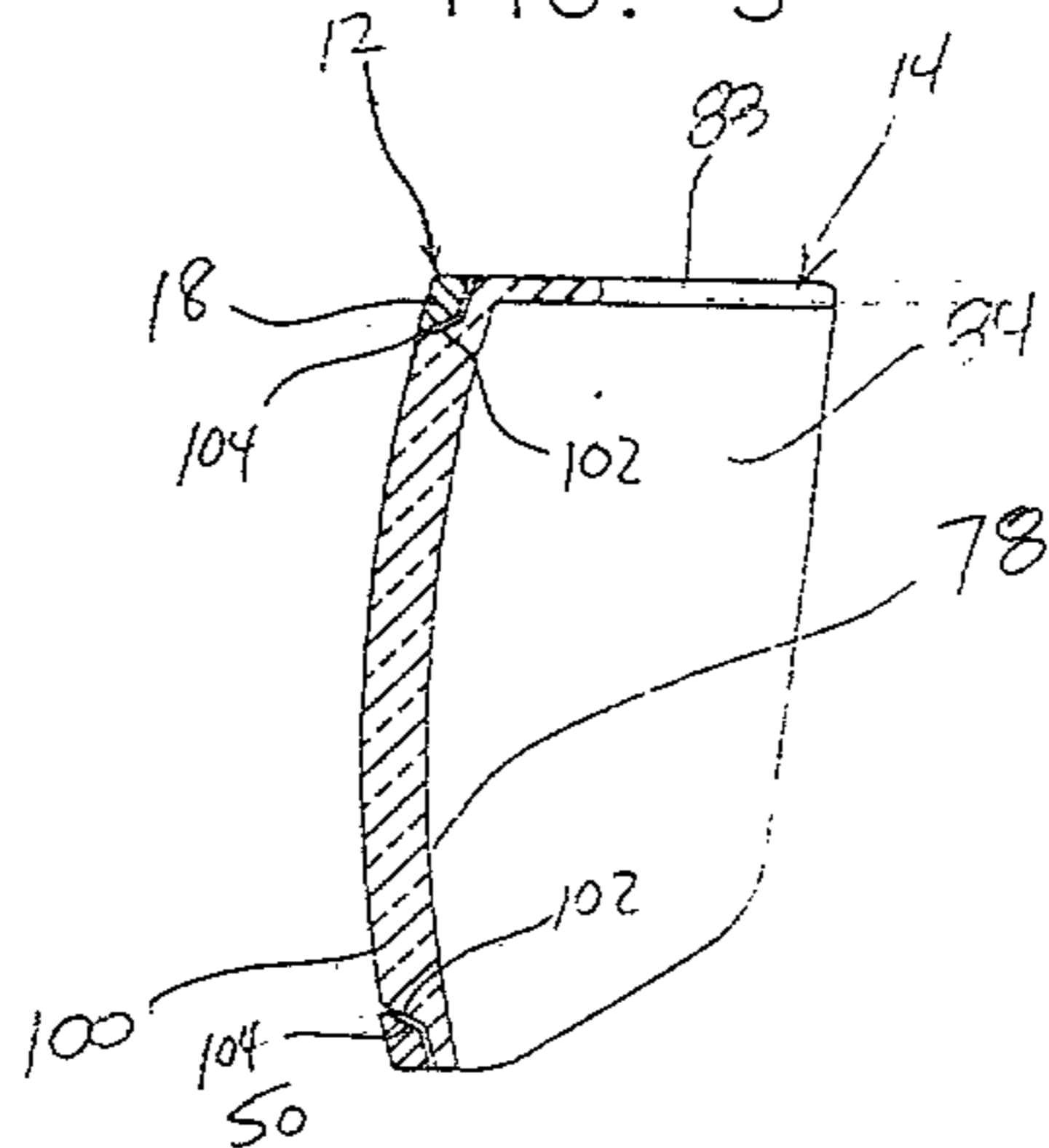


FIG. 4

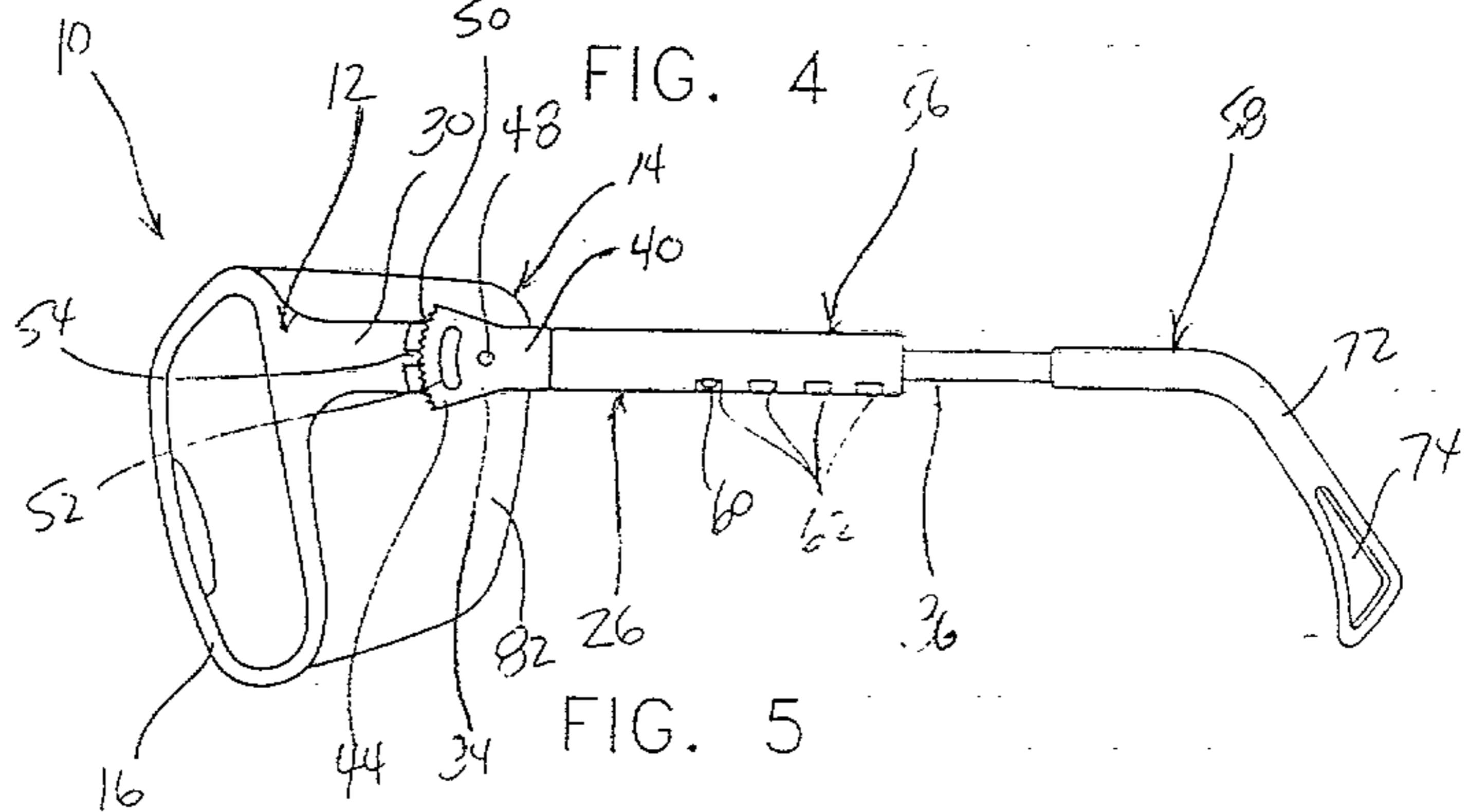


FIG. 5

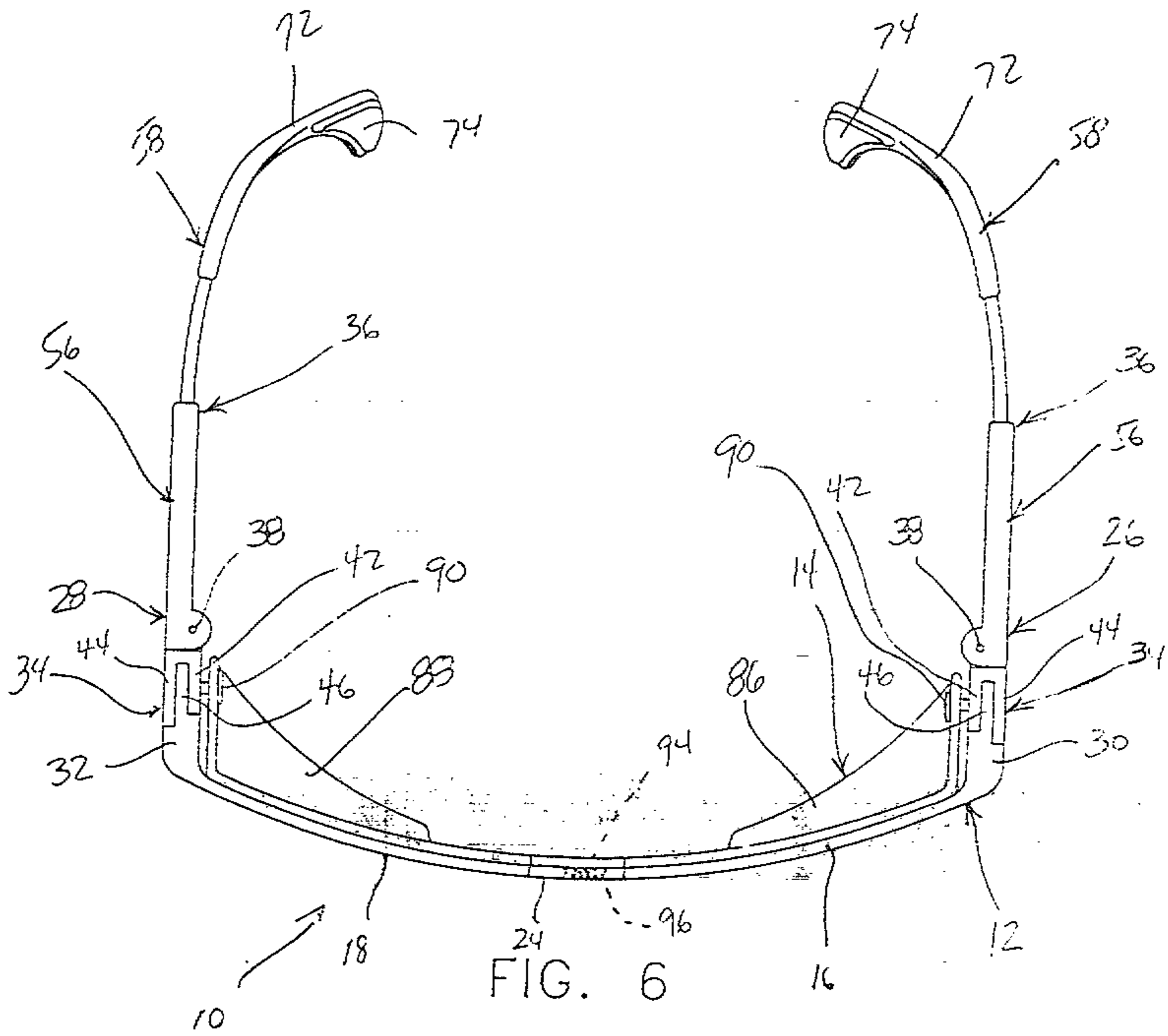


FIG. 6

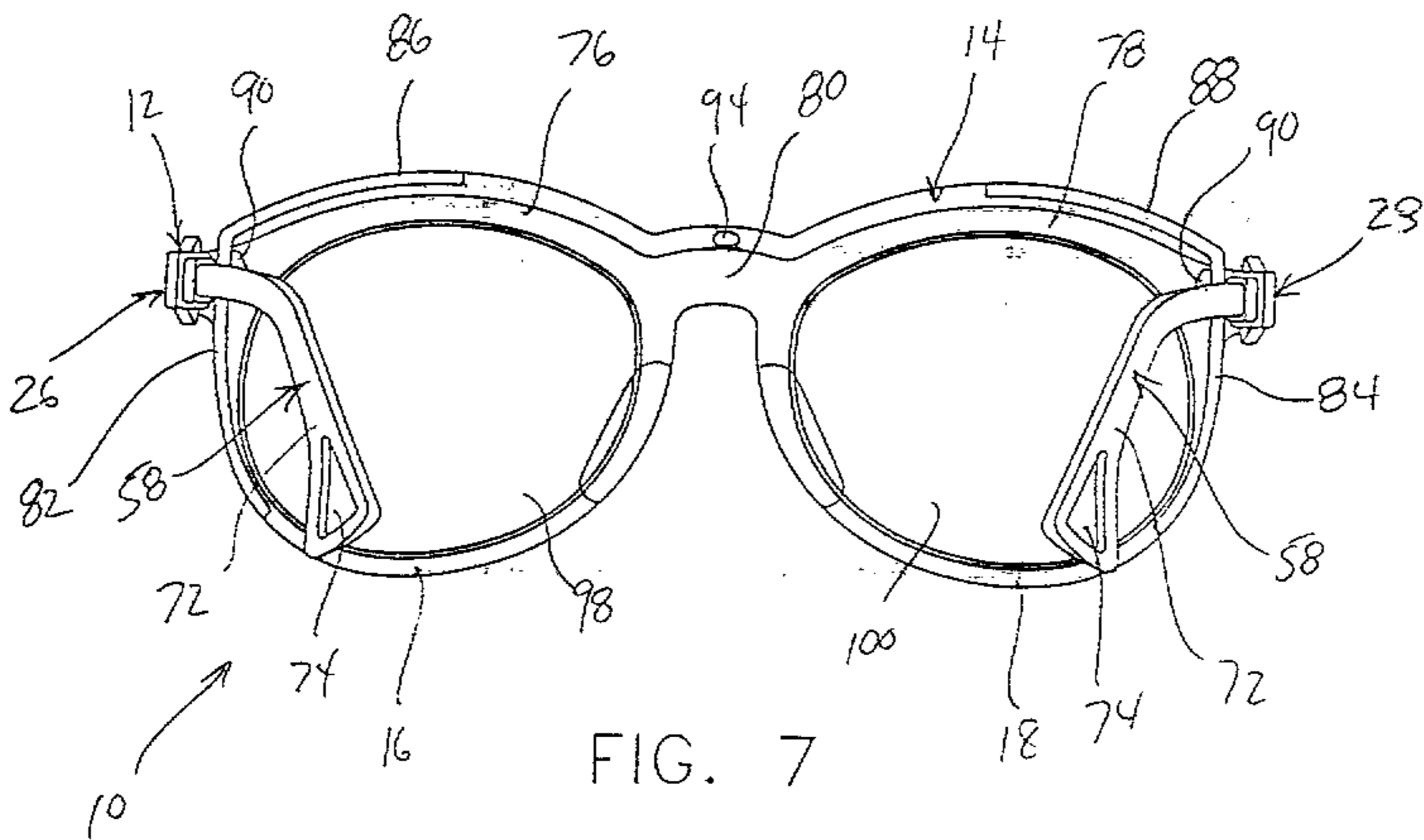


FIG. 7

