

G. MORITZ.
 EYE SHIELD FOR SPECTACLES, EYEGLASSES, AND THE LIKE.
 APPLICATION FILED JUNE 17, 1910.

1,025,202.

Patented May 7, 1912.

2 SHEETS—SHEET 1.

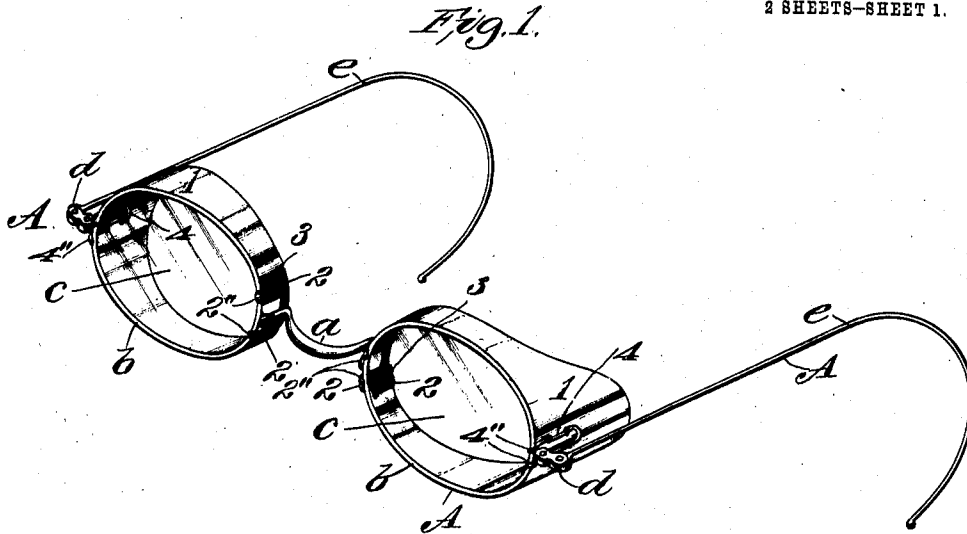


Fig. 2.

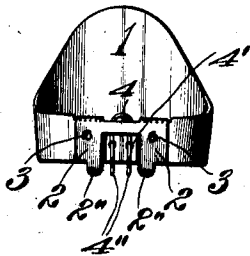


Fig. 3.

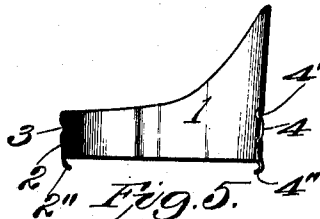


Fig. 4.

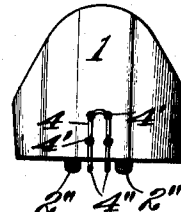


Fig. 6.

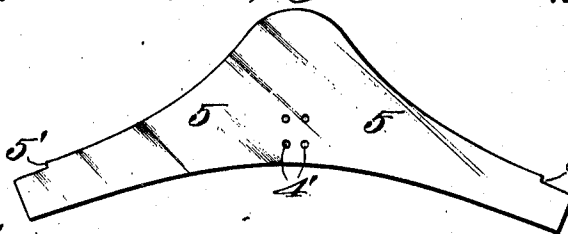
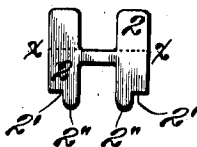


Fig. 7.



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J. M. Walsh
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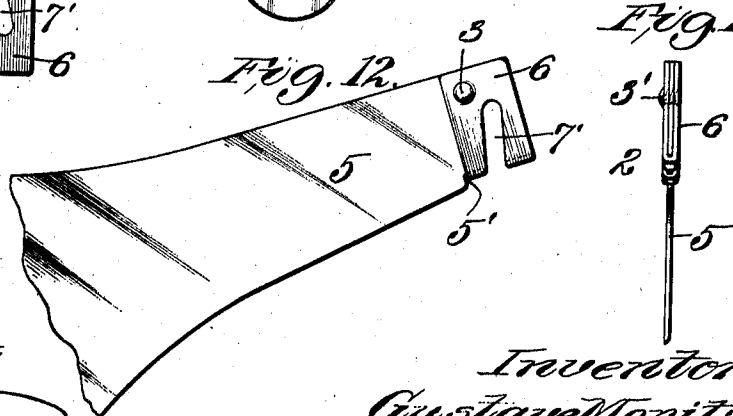
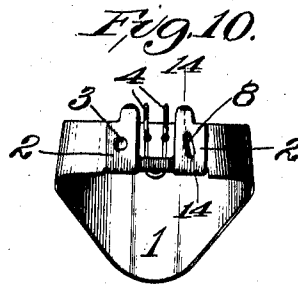
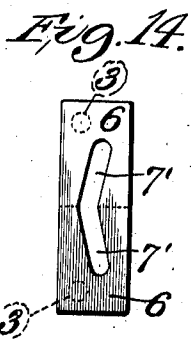
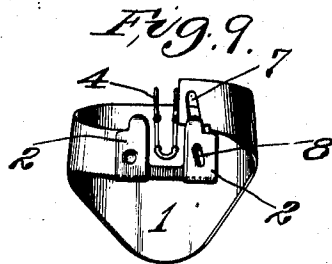
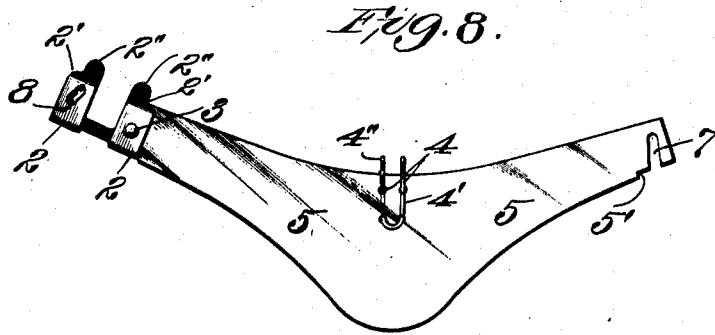
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Attest:
H. M. Walsh

Inventor:
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att'y.

UNITED STATES PATENT OFFICE.

GUSTAVE MORITZ, OF ST. LOUIS, MISSOURI.

EYE-SHIELD FOR SPECTACLES, EYEGLASSES, AND THE LIKE.

1,025,202.

Specification of Letters Patent.

Patented May 7, 1912.

Application filed June 17, 1910. Serial No. 587,512.

To all whom it may concern:

Be it known that I, GUSTAVE MORITZ, a citizen of the United States, residing at the city of St. Louis, State of Missouri, have invented certain new and useful Improvements in Eye-Shields for Spectacles, Eyeglasses, and the Like, of which the following is a specification, reference being had to the accompanying drawings, forming a part hereof, in which—

Figure 1 is a perspective view of a pair of my new eye-shields mounted in operative position on a pair of spectacles likewise shown in perspective; Fig. 2 is an inner side elevational view of my new eye-shield in closed or locked form ready for engagement with a pair of spectacles; Fig. 3 is a vertical sectional view through my new eye-shield in closed or locked form; Fig. 4 is an outer side elevational view of my new eye-shield in closed or locked form ready for engagement with a pair of spectacles; Fig. 5 is a plan view of the celluloid blank or sheet of which the body-portion of my eye-shield is made up; Fig. 6 is a plan view of the substantially H-shaped metal blank of which the clip or fastening-device for releasably holding the ends of my new eye-shield together and for attaching the eye-shield to a pair of spectacles is made up; Fig. 7 is a side view of the clip or fastening-device for attaching the outer or front side of my new eye-shield on a pair of spectacles; Fig. 8 is a plan view of my new eye-shield in open position or form, showing a slightly modified manner of securing the ends thereof together; Fig. 9 is an inner side elevational view of the same, the ends thereof being shown in position for engagement with each other; Fig. 10 is an inner side elevational view of the same, showing the ends thereof in locked or closed position; Fig. 11 is a sectional view, slightly enlarged, on the line 14—14, Fig. 10; Fig. 12 is a fragmentary view of the shield body-portion, showing a reinforcing piece on the free end thereof; Fig. 13 is a cross-sectional end elevational view of the same, showing a modified form of fastening for the reinforcing end-piece; and Fig. 14 is a face or plan view of the metal blank of which said end-reinforcing piece is made.

This invention relates to certain new and useful improvements in eye-shields for spectacles, eye glasses and the like, the objects of

my invention being to provide a shield of the kind stated which is simple, durable, being practically unbreakable, efficient, and light in weight and easily manufactured and at slight cost, which may be readily arranged or mounted in operative position upon a pair of spectacles, eye glasses, or the like, or removed from such position, which, when not in use, may be flattened out and readily carried in a vest-pocket, while permitting an unimpeded view there-through laterally of the eye and spectacle-lens and frame, is adapted to inclose, and deflect dust, dirt, or other particles from, the space between the eye and the spectacle-lens or frame and thereby prevent the entrance of such particles into the eye and the possible consequent injury of the eye thereby, and to improve generally upon articles of the kind stated.

With these objects in view, my invention resides in the novel construction, arrangement, and combination of the several parts of my new eye-shield, all as will hereinafter be described and afterward pointed out in the claims.

Referring now to the drawings, wherein like reference letters and numerals refer to like parts throughout the several views, A indicates a pair of spectacles or the like on which my new eye-shields are adapted to be operatively arranged, *a*, *b*, *c*, *d*, and *e* indicating the bridge, bow, lens, temple, and side extensions, respectively, of said pair of spectacles.

My new eye-shield proper comprises a foldable body-portion 1, which is of any suitable, preferably flexible, resilient, and transparent, material, such as celluloid, and which is adapted, when not in use or normally, as it might be said, to be opened out or unfolded, as shown particularly in Fig. 8, a clip or fastening device 2 adapted to hold said body-portion in folded operative position, said clip 2 being preferably attached to one end of said body-portion 1 and to which the other or free end of said body-portion is adapted to be separably or releasably connected when the same is folded, and a suitable clip or attaching-device 4 arranged on said body-portion intermediate the ends thereof and preferably in such position as to be directly opposite said clip 2 when the said body-portion is in closed or folded position, said clip 4 and

also said clip 2 being adapted to releasably engage with said spectacles A and separably hold said body-portion in operative position thereon when the same is folded.

5 Body-portion 1 is made up from a blank or sheet 5 preferably of flexible, transparent celluloid. This said blank is preferably cut to and has, when in open or normal position, the shape shown in Fig. 5, having a
10 curved base-line and upwardly converging top edges, so that, when in folded operative position, it will neatly fit on a bow *b* of a pair of spectacles and inclose the space between the eye and the lens and bow of said
15 spectacles. Intermediate its ends and preferably midway therebetween, said blank 5 is provided with a plurality of perforations 4', in which is adapted to be arranged and fit a preferably wire staple-shaped clip or
20 other suitable frame-attaching device 4 having hook ends 4'' adapted, when the body-portion 1 is in folded position, to loosely engage with, and thereby hold one side, which we will call the outer side, of the eye-
25 shield on said spectacles A. At its opposite ends, said blank 5 is cut away, as shown particularly in Fig. 5, to provide the shoulders 5' to receive and cooperate with said clip 2. As will be obvious, the blanks 5
30 may be cut to any particular size to fit the particular size of spectacle frame or bow with which they are to be used. As shown in Fig. 1, my new eye-shields are employed in pairs, one for each bow of the pair of
35 spectacles. The clip 2 comprises what might be called, as shown in Fig. 6, an H-shaped blank stamped from any suitable, preferably metallic, material, each of the legs thereof being preferably cut away, as
40 at 2', to provide extensions 2''. This blank 2 is first bent or doubled upon itself on the line *x-x*, and is then secured on said body-portion 1 by pinching one of its said legs upon one of the shouldered ends of said
45 blank 5, said shouldered end providing a seat for, and being substantially of a width equal to the length of, said doubled leg. An indentation 3 is now preferably made on said doubled leg of blank 2 to more firmly
50 hold the same in position on said shouldered end 5' of blank 5. It will be noted that said extensions 2'' are, as shown particularly in Fig. 3, bent or turned inwardly, so that when the body-portion 1 is folded into closed operative position and arranged upon a pair of
55 spectacles, said extensions 2'' will extend under and releasably engage with the frame or bow of said spectacles and thereby hold the other, or outer, side of said shield on said spectacles.

60 When not in use or normally, as it has been said, my new eye-shield is adapted to be in flat opened-out or unfolded position, such as shown in Fig. 8; when, however,
65 it is desired to mount the same upon a pair

of spectacles, the free shouldered end 5' of said body-portion 5 is folded over and operatively engaged with the other or free doubled leg of clip 2, as shown particularly in Fig. 2, the eye-shield being thereby held
70 in closed folded position ready for engagement with said pair of spectacles. Being now arranged upon said pair of spectacles, said inturned extensions 2'' of clip 2 and said hook ends 4'' of clip 4 will resiliently
75 engage with the frame or bow of said pair of spectacles and thereby hold the eye-shield 1 in proper operative position thereon, as shown clearly in Fig. 1. It will be seen that said clips 2 and 4 readily accommodate, respectively, when the eye-shield is opera-
80 tively mounted upon a pair of spectacles, the bridge *a* and temples *d* thereof. Whenever it is desired to dismount or remove the eye-shield from said pair of spectacles, this is readily accomplished by detaching
85 said inturned extensions 2'' and hook ends 4'' from the frame of said spectacles, when said free shouldered end of said body-portion 5 may be readily released from engagement with said free doubled leg of clip 2,
90 and body-portion 5 then, due to its flexibility and resiliency, readily flattened out and so carried in a vest-pocket or the like. In order that said free shouldered end 5' of
95 said body-portion 5 may be more securely held in, or prevented from pulling loose from, said doubled leg of said clip 2, I either provide said free doubled leg with a similar circular indentation 3, as shown particularly in Fig. 2, or with an inclined inden-
100 tation 8, as shown in Fig. 8, and in this latter case preferably correspondingly slot the said free shouldered end 5' of body-portion 5, as at 7, to cooperate with said inclined
105 indentation 8, as shown clearly in Figs. 8, 9, and 10; and to strengthen said slotted end 5' of said body-portion, I may also provide the same with a reinforcing piece 6 having a slot 7' to correspond with said
110 slot 7, as shown in Fig. 12. This reinforcing piece 6 may be stamped from any suitable metallic material and is then doubled upon itself and pinched upon said shouldered end 5', being securely held thereon
115 preferably by means of a similar circular indentation 3, as shown in Fig. 12, or by means of a small pin 3', as shown in Fig. 13.

It will be seen that my eye-shield is simple in construction, may be easily and readily
120 manufactured and at comparatively slight cost, and fulfils all the objects hereinbefore mentioned; and it is obvious that minor changes in the arrangement, construction, and combination of the several parts thereof
125 may be made and substituted for those herein shown and described without departing from the nature and principle of my invention.

Having thus described my invention, what 130

I claim and desire to secure by Letters Patent is:

1. An eye-shield comprising a foldable body-portion normally in unfolded position and adapted when in folded position to fit on the bow of a pair of spectacles or the like and to inclose the space between said bow and the eye of the user, means on said body-portion adapted to separably hold the ends of said body-portion together in folded position and to releasably engage with said bow and removably secure one side of said body-portion thereto when in folded position, and attaching means on said body-portion adapted to releasably engage with said bow and removably secure the other side of said body-portion thereto when in folded position; substantially as described.

2. An eye-shield comprising a foldable body-portion normally in unfolded position and adapted when in folded position to fit on the bow of a pair of spectacles or the like and to inclose the space between said bow and the eye of the user, a fastening-clip on one end of said body-portion adapted to releasably engage with the other end of said body-portion to separably hold the ends of said body-portion together and to releasably engage with said bow and removably secure one side of said body-portion thereto when in folded position, and an attaching-clip on said body-portion between the ends thereof adapted to releasably engage with said bow and removably secure the other side of said body-portion thereto when in folded position; substantially as described.

3. An eye-shield comprising a foldable body-portion normally in unfolded position and adapted when in folded position to fit on the bow of a pair of spectacles or the like and to inclose the space between said bow and the eye of the user, a fastening-clip on one end of said body-portion adapted to releasably engage with the other end of said body-portion to separably secure the ends of said body-portion together and having attaching-hooks adapted to releasably engage with said bow and removably secure one side of said body-portion thereto when in folded position, and an attaching-clip on said body-portion between the ends thereof having hooks adapted to releasably engage with said bow and removably secure the other side of said body-portion thereto when in folded position; substantially as described.

4. An eye-shield comprising a foldable body-portion normally in unfolded position and adapted when in folded position to fit on the bow of a pair of spectacles or the like and to inclose the space between said bow and the eye of the user, a substantially H-shaped fastening-clip having its legs folded upon themselves, one leg of said clip being secured to one end of said body portion and

the other leg of said clip being adapted to releasably engage with the other end of said body-portion to separably secure the ends of said body-portion together, an intumed-extension on each of said legs adapted to releasably engage with said bow and removably secure one side of said body-portion thereto when in folded position, and an attaching-clip on said body-portion between the ends thereof having hook-shaped ends adapted to releasably engage with said bow and removably secure the other side of said body-portion thereto when in folded position; substantially as described.

5. An eye-shield comprising a foldable body-portion normally in unfolded position and adapted when in folded position to fit on the bow of a pair of spectacles or the like and to inclose the space between said bow and the eye of the user, one of the ends of said body-portion being provided with an elongated slot, a substantially H-shaped fastening-clip having its legs folded upon themselves, one leg of said clip being secured to one end of said body-portion and the other leg of said clip being adapted to releasably receive the other or slotted end of said body-portion to separably secure the ends of said body-portion together and being provided with an elongated indentation adapted to cooperate with said slot, an intumed-extension on each of said legs adapted to releasably engage with said bow and removably secure one side of said body-portion thereto when in folded position, and an attaching-clip on said body-portion between the ends thereof having hook-shaped ends adapted to releasably engage with said bow and removably secure the other side of said body-portion thereto when in folded position; substantially as described.

6. An eye-shield comprising a foldable body-portion normally in unfolded position and adapted when in folded position to fit on the bow of a pair of spectacles or the like and to inclose the space between said bow and the eye of the user, one of the ends of said body-portion being provided with an elongated slot, a slotted reinforcing piece on the slotted end of said body-portion, a substantially H-shaped fastening-clip having its legs folded upon themselves, one leg of said clip being secured to one end of said body-portion and the other leg of said clip being adapted to releasably receive the other or reinforced end of said body-portion to separably secure the ends of said body-portion together and being provided with an elongated indentation adapted to cooperate with said slotted and reinforced end of said body-portion, an intumed-extension on each of said legs adapted to releasably engage with said bow and removably secure one side of said body-portion thereto when in folded position, and an attaching-clip on

said body-portion between the ends thereof having hook-shaped ends adapted to releasably engage with said bow and removably secure the other side of said body-portion thereto when in folded position; substantially as described.

7. An eye-shield comprising a body-portion of flexible transparent celluloid normally in unfolded position and adapted when in folded position to fit on the bow of a pair of spectacles or the like and to inclose the space between said bow and the eye of the user, one of the ends of said body-portion being provided with an elongated slot, a slotted metallic reinforcing piece on the slotted end of said body-portion, a substantially H-shaped metallic fastening-clip having its legs folded upon themselves, one leg of said clip being secured to one end of said body-portion and the other leg of said clip being adapted to releasably receive the other

or reinforced end of said body-portion to separably secure the ends of said body-portion together and being provided with an elongated indentation adapted to cooperate with said slotted and reinforced end of said body-portion, an inturned extension on each of said legs adapted to releasably engage with said bow and removably secure one side of said body-portion thereto when in folded position, and a substantially staple-shaped wire attaching-clip on said body-portion between the ends thereof having hook-shaped ends adapted to releasably engage with said bow and removably secure the other side of said body-portion thereto when in folded position; substantially as described.

GUSTAVE MORITZ.

In presence of—

WALTER RAUTH,
ELEONORE SPERRY.