

1,040,770.

Patented Oct. 8, 1912.

Fig. 1

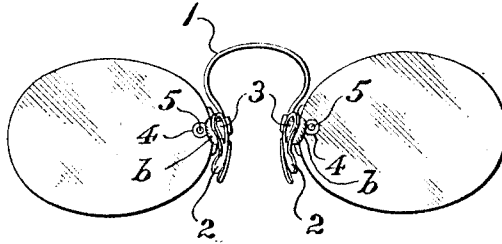


Fig. 2

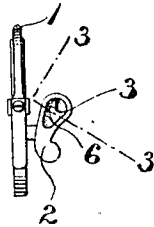


Fig. 3

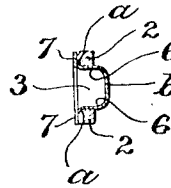
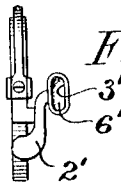


Fig. 4



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UNITED STATES PATENT OFFICE.

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NOSE-CLIP FOR EYEGLASSES.

1,040,770.

Specification of Letters Patent.

Patented Oct. 8, 1912.

Application filed March 22, 1912. Serial No. 685,498.

To all whom it may concern:

Be it known that I, HARRY M. SACKS, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Nose-Clips for Eyeglasses; 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, reference being had to the accompanying drawings, and to characters of reference marked thereon, which form a part of this specification.

This invention relates to improvements in eye-glass clips, of the type commonly termed suction-clips, and has for its object the provision of a construction that is extremely simple and durable, and yet is remarkably effective for the purpose of maintaining an eye-glass in its proper position upon the bridge of the nose of the wearer.

Heretofore many types of construction have been evolved which contemplated the maintenance of the clip in its adjusted position by causing the same to pinch or frictionally engage the skin of the nose, these clips being erroneously termed "suction-clips." Such clips while fairly satisfactory are nevertheless complicated and uncertain in operation, and also have the tendency to deleteriously affect the circulation in that portion of the skin gripped by, or in contact with, said clip.

My invention is fully set forth in the following detailed description and drawings forming part of this specification, in which—

Figure 1 is a front and Fig. 2 an inner end elevation showing a pair of eye-glasses equipped with my improved clip; Fig. 3 is a detail central vertical section thereof, along the line 3—3 of Fig. 2, showing the suction cup isolated, and Fig. 4 is an end elevation of a pair of eye-glasses fitted with a modified form of clip.

Referring to the drawings and the construction shown therein, the reference numeral 1 designates the bridge of the lens mounting, which as shown has contact plates 2, which are provided with apertures 3, the latter being preferably oval, although elliptical, circular or other configuration may be also employed. The usual clamps 4 for the reception of the lenses, are connected

to said bridge, and screws 5 secure said lenses in the desired position in the manner well known. Said apertures 3 are lined with pure Pará rubber sacks, or suction-cups 6, and the same completely inclosing the said recesses, and being counter-sunk in the plates 2, form an annular marginal bearing surface *a* on the inner side of said plate. If desired an annular wafer 7, of suitable aseptic cloth, or other suitable material, may be cemented to the marginal edge of said recesses. Preferably said plate is about one millimeter in thickness and said sacks, which, as shown, are closed at their outer ends, are preferably dome-shaped, and the outermost limits *b* of said sacks are preferably about one millimeter beyond the outer surface of said contact plates 2. Accordingly, as is evident, said sacks will be approximately two millimeters in depth and preferably also about two millimeters along their longest diameter, such dimensions forming a sack of sufficient size to produce effective suction when applied to the nose of the wearer. The said rubber sacks are preferably cemented to the said frames and thereby held securely within the said apertures. In those cases where the clip is provided with a plurality of apertures, several or all of the apertures are preferably lined as in the manner above described with the suction sacks or cups. This pure Pará rubber, which I have found to be peculiarly fitted for employment in connection with these suction clips, is not only quite impervious to air, but is extremely dense *i. e.* free from pores. It is also substantially inert toward atmospheric influences, and is capable of retaining its resiliency substantially unimpaired for long periods of time even though constantly exposed to the chemical action of perspiration and to the atmospheric influences.

The operation of the device is evident from the construction shown, it being merely necessary to adjust the said clip on the nose in its proper position and allow the same to contract by virtue of the action of the spring-bridge 1, and thereupon the air will be forced out from beneath the edge of said annular margin. A slight vacuum is thereby created within the said sack or cup and consequently a continual and positive suction will be exercised upon the skin of the wearer, and the same will be capable of resisting accidental displacement far more ef-

fectively than is the case in those clips where it is intended that the skin of the wearer should be gripped between clamping devices formed in the friction plates or other constructions intended to accomplish the same results.

In Fig. 4 is shown an elliptically-shaped suction-cup 6', which is fitted within a corresponding recess 3' in the upper arm or extension of a modified contact member 2'. It is obvious however, that the principle involved in both of the constructions shown is the same. In fact the broad idea of employing these cul-de-sacs composed of elastic Para rubber, or other equivalent material equal of substitution therefor, may be embodied in any suitable form of nose piece or clip, without departing from the spirit of my invention as hereinafter claimed.

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

1. A suction-clip for eye-glasses comprising a pair of contact members adapted to respectively engage opposite sides of the nose when in position thereon, each of said members being provided with a recess and a cul-de-sac member opened at its inner end and closed at its outer end, snugly fitted within each of said recesses, and positively secured to one of said contact members, said cul-de-sacs being composed of elastic material.

2. A suction-clip for eye-glasses, comprising

a pair of contact members adapted to respectively engage opposite sides of the nose when in position thereon, each of said members being provided with an aperture of curvilinear configuration, extending completely therethrough at a point intermediate the edges of said contact members, and a suction cup snugly fitted within each of said apertures and positively united at its open end with the contact members, each of said suction-cups being composed of elastic material.

3. A suction-clip for eye-glasses comprising a pair of contact members adapted to respectively engage opposite sides of the nose when in position thereon, each of said members being provided with an aperture of curvilinear configuration, extending completely therethrough at a point intermediate the edges of said contact members, and a suction cup snugly fitted within each of said apertures and positively united at its open end with the contact members, each of said suction-cups being composed of elastic material and projecting substantially beyond the outer surface of the contact member to which it is secured.

In testimony that I claim the invention set forth above I have hereunto set my hand this 18th day of March, 1912.

HARRY M. SACKS.

Witnesses:

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