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G. FROST, NÉE BOLZ

1,970,086

MEANS FOR ERECTING AND STRAIGHTENING THE EYELASHES

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Fig.1

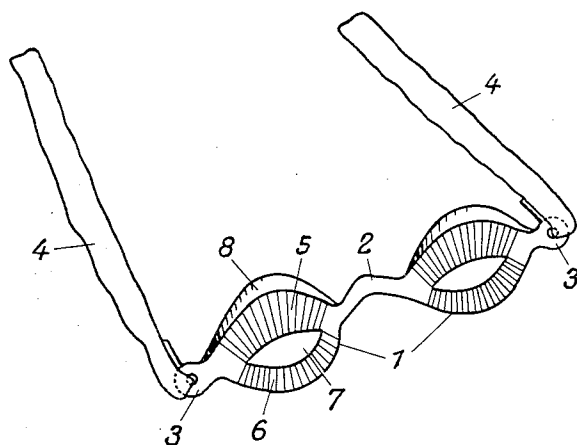


Fig.2

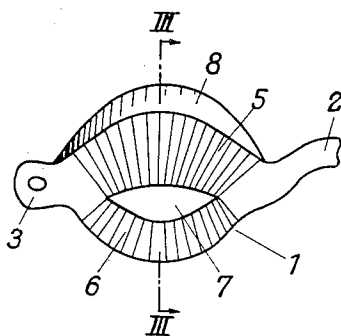
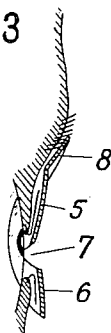


Fig.3



G. Frost, nee Bolz **Inventor:**

By: Marks & Clark
Attys.

UNITED STATES PATENT OFFICE

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MEANS FOR ERECTING AND STRAIGHTEN-
ING THE EYELASHES

Gertrud Frost, née Bolz, Berlin, Germany

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In Germany October 25, 1933

3 Claims. (Cl. 132—1)

This invention relates to means for erecting and straightening the human eyelashes. Known appliances for this purpose are constructed with a scissors-like action for example, and have the disadvantage that during the treatment of the eyelashes they have to be held fast in a definite position with the hand. This precludes the use of the device during sleep for example, or during any occupation that needs both hands. These appliances are moreover complicated in construction and rather heavy. Consequently they are also comparatively expensive and inconvenient. Furthermore there is always the danger that when they are put on unskillfully the skin of the eyelids may be inadvertently caught between the relatively movable members or clips and crushed. It has also already been proposed to bend the eyelashes over on to the eyelid and stick them to it by means of a thin foil. This, however, is decidedly disagreeable to the user, more especially because it hinders the free movement of the eyelid in a very unpleasant manner. These disadvantages are obviated by the present invention, owing to the fact that the device has the shape of a pair of spectacles, the halves that correspond to the ordinary spectacle glasses consisting of plates which are adapted to the shape of the eyelids, and which, when the device is put on, bend the eyelashes upwards and downwards and hold them fast in the bent position.

According to a particularly advantageous form of construction of the invention, the plates that hold the eyelashes are ridged. There may furthermore be provided, according to another feature of the invention, above each of the upper plates, a somewhat crescent-shaped strip extending forwards and upwards, which is adapted to the shape of the upper orbital cavity bone, for the purpose of bearing firmly on the latter. By this means the advantage is obtained that the user can without any danger treat his eyelashes while he is working or even while he is sleeping with a very simple, light and cheap device.

One example of construction of the invention is illustrated in the accompanying drawing, wherein

Figure 1 is a perspective view of the device,
Figure 2 a front view of one half of the device, and

Figure 3 a section on the line III—III in Fig. 2, indicating how the device is placed on the eye.

The device according to the invention consists of two members 1 which correspond to the spectacle glasses of an ordinary pair of spectacles, and which are connected with one another by a

nose bridge 2. The members 1 have at their outer ends lugs or eyes 3, to which are attached bands 4, which are tied together behind the head for the purpose of keeping the device in its proper position. Each member 1 consists of two plates 5 and 6, of which the plates 5 are curved forwards and upwards and the plates 6 are curved forwards and downwards, these plates being placed upon the eyelashes of the upper and lower eyelids respectively. Between the two plates 5 and 6 an aperture 7 may be provided, but this is not absolutely essential, as the device may advantageously be made of transparent materials. The two plates 5 and 6 may therefore bound one another directly, the aperture 7 being omitted, that is to say, they may be extended until they meet, without of course their extension in an upward and downward direction respectively being affected. Above the upper plate 5 is provided a crescent-shaped plate 8, which is directed obliquely forwards and upwards, and which bears, when the device is put on, against the bones of the orbital cavity underneath the eyebrows. Since in this manner, when the device has been put on and tied firmly by means of the strips 4, it cannot shift upwards, and on the other hand, owing to the nose bridge 2 resting upon the nose, it cannot shift downwards, so a completely firm seating is ensured, which is absolutely essential to the attaining of the desired object, as otherwise, in the event of the surfaces 5 and 6 slipping to and fro at all, the eyelashes might become bent and entangled, so that after removal of the spectacles they would not be uniformly arranged and would stand out singly from the eyelids. The plates 5 and 6 are also provided with fine ridges, in the recesses of which the individual eyelashes lie, so that they are straightened and kept straight.

The device may consist of transparent artificial resins, such as celluloid, or of glass, aluminium, or a similar material. The selection of a transparent material has the special advantage that the user, after putting on the spectacles, can ascertain by looking in a mirror, whether the eyelashes have been bent smoothly and uniformly underneath the surfaces 5 and 6. Instead of the bands 4 to be tied together at the back of the head, India rubber bands may be employed, which are passed round the ears, or which, as in the case of ordinary spectacles, are bent to form hooks which lodge behind the ears.

What I claim is:—

1. Means for erecting and straightening the eyelashes of the human eye, comprising a frame

of substantially the shape of a spectacle frame, and plates corresponding as regards their position in the frame to spectacle glasses, these plates being shaped to fit against the human eyelids, and being adapted to bend the wearer's upper eyelashes upwards and his lower eyelashes downwards and to hold them stationary in their bent position.

2. Means for erecting and straightening the eyelashes of the human eye as claimed in claim 1, characterized by the feature that the plate surfaces in contact with the eyelashes are ridged to

form grooves extending in the direction in which the eyelashes are to extend.

3. Means for erecting and straightening the eyelashes of the human eye as claimed in claim 1, further comprising crescent-shaped strips extending forwards and upwards from the upper edges of the plates that are in contact with the upper eyelashes, the said crescent-shaped strips being adapted to fit against the upper margins of the orbital cavities of the wearer.

GERTRUD FROST, NÉE BOLZ.

15	90
20	95
25	100
30	105
35	110
40	115
45	120
50	125
55	130
60	135
65	140
70	145
75	150