No. 620,675. Patented Mar. 7, 1899.

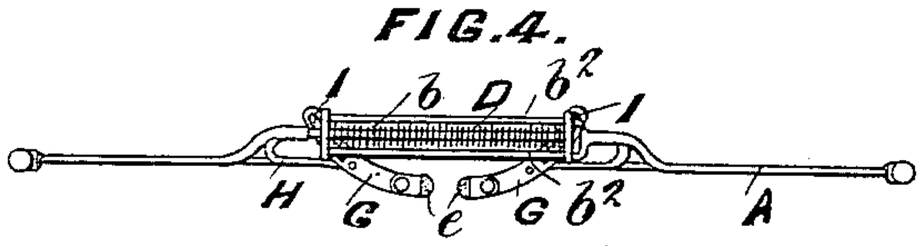
W. SALT.

PINCE-NEZ.

(Application filed Jan. 5, 1899.)

(No Model.)

FIG. 4.



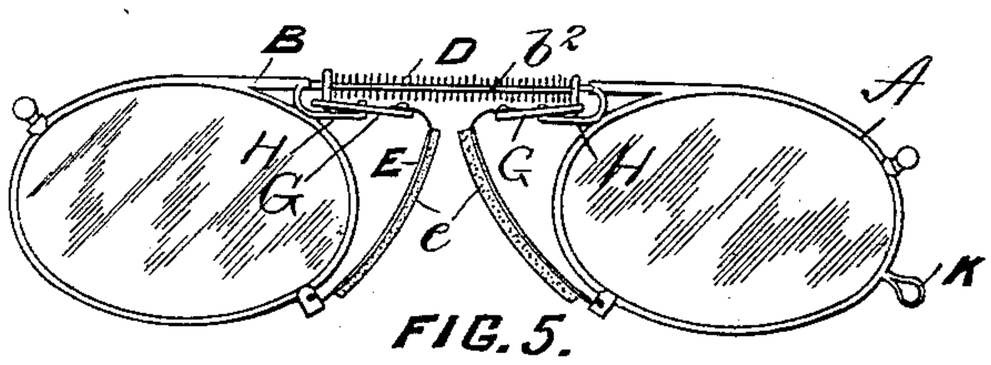


FIG. 5.

FIG. 2.

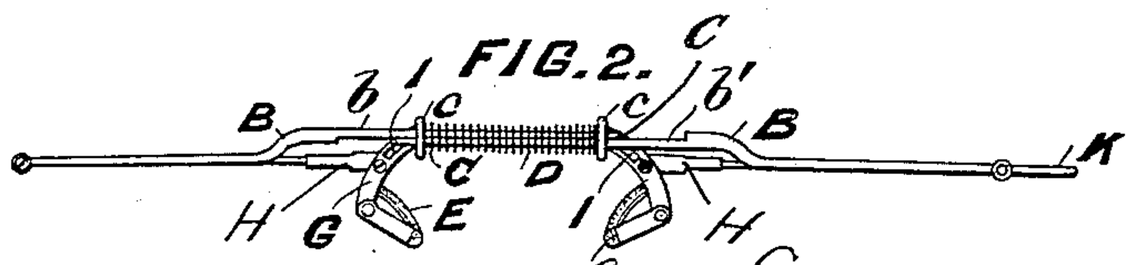


FIG. 1.

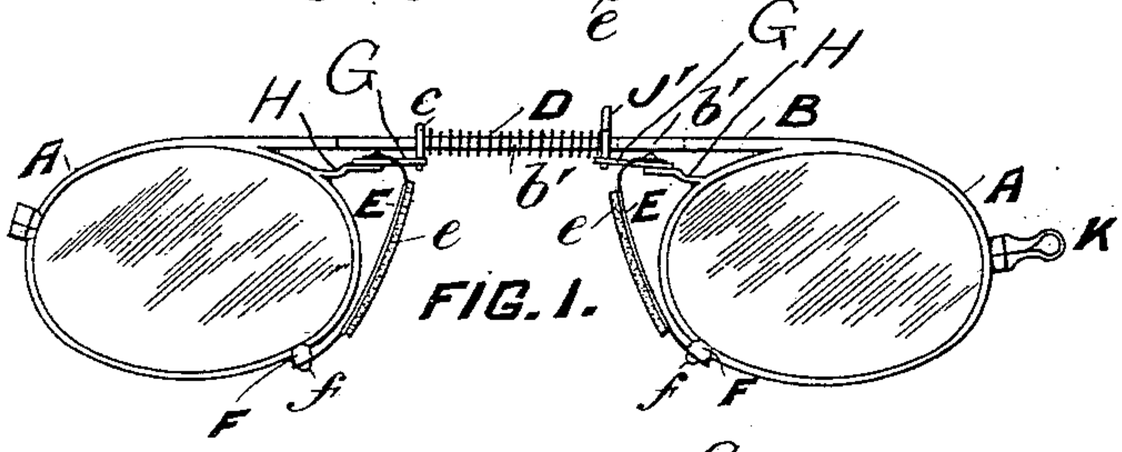
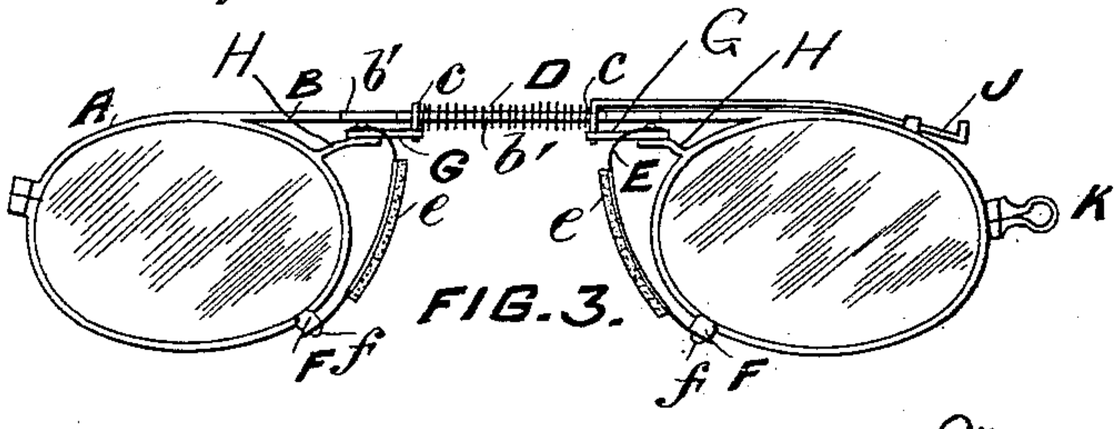


FIG. 3.



WITNESSES:
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UNITED STATES PATENT OFFICE.

WILLIAM SALT, OF MOREZ-DU-JURA, FRANCE.

PINCE-NEZ.

SPECIFICATION forming part of Letters Patent No. 620,675, dated March 7, 1899.

Application filed January 5, 1899. Serial No. 701,258. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM SALT, manufacturer, a subject of the Queen of Great Britain and Ireland, residing at Morez-du-Jura, in the Republic of France, have invented certain new and useful Improvements in and Relating to Pince-Nez, (for which I have filed applications for patents in Great Britain, No. 8,046, dated April 4, 1898, and in Canada, No. 83,764, dated November 23, 1898,) of which the following is a specification.

This invention relates to pince-nez of the type wherein the bridge bar or piece is provided as two associated arms, respectively connected to the eye-rims and capable of sliding the one beside the other under the action of a spring and tending to maintain the eye-rims in proximity to each other, and has for its object to provide for the adjustment of the plaquettes or nose-pieces, by which the pince-nez is held upon the bridge of the nose, so that the nose-pieces or plaquettes may be separated to a relatively great extent upon the separation of the eye-rims.

The invention consists in providing the nose-pieces or plaquettes to be capable of separation through lever-pieces whose extremities are operated upon the separation of the eye-rims, so that a relatively slight extension of the eye-rims may produce a greater separation of the nose-pieces or plaquettes.

The invention is illustrated in the accompanying drawings, in which—

Figure 1 represents a pince-nez made in accordance with the invention, in which a projection J′ is provided instead of a tailpiece J for assistance in the extension of the rims by the use of one hand. In this figure the eye-rims and plaquettes are extended. Fig. 2 is a plan view of Fig. 1 with the projection J′ omitted. Fig. 3 is a front elevation showing tailpiece J. Fig. 4 is a plan view having a modification in construction, in which two arms b^2 b^2 are secured upon one eye-rim, which slide one upon each side of the arm b secured to the other; and Fig. 5 illustrates a front elevation of Fig. 4.

In carrying the invention into effect, as illustrated in the accompanying drawings, the eye-rims A are connected together by means of a bridge bar or piece B, consisting of two associated arms b b', sliding one beside the other, whose respective extremities are secured to the respective eye-rims A A and whose opposite extremities C C embrace the adjacent arm by such means as a collar c, provided for the purpose, so that the eye-rims A A are capable of movement and the connected rims are capable of sliding the one beside the other in a straight direction. A spiral spring D is interposed between the collars c c and around the associated arms b b', so that the eye-rims tend to be maintained in proximity to each other. Such a construction of pince-nez is in ordinary common use. This action of the spring D, tending to force the eye-rims together, is due to the fact that the spring bears on the collars c c, which are so disposed that the collar c on the left of Figs. 1 and 2 belongs to the eye-rim on the right, being attached to the arm b' of the right-hand eye-rim, while the collar c (shown toward the right of said figures) belongs to and is similarly connected to the eye-rim on the left of said figures, so that while the spring tends to separate the collars this action tends to draw together the eye-rims.

The nose-pieces or plaquettes E are mounted at their lower ends by being attached to the blocks F on the eye-rims by the screws f. The opposite upper extremities of the plaquettes E are turned over and are pivoted to the extremities of the lever-pieces G, in turn pivoted to lugs or extensions H of the eye-rims A, the opposite ends of the lever-pieces G being provided with slots I for the reception of pins or projections provided upon the respective extremities of the sliding arms b b', so that upon extension of the eye-rims A A the extremities of the arms b b' approach each other against the action of the spiral spring D and cause the operation of the lever-pieces G G, so as to extend the upper extremities of the nose-pieces or plaquettes E E that thereby a relatively great extent of movement may be given to the plaquettes E E for the purpose of placing the pince-nez in a suitable position upon the nose. The interposed spring D tends to maintain the nose-pieces or plaquettes E E in proximity to each other on release of the eye-rims and with a slight pressure upon the nose.

The movement of the nose-pieces or pla-

quettes E E instead of being effected by the direct extension of the eye-rims A A may be effected by means of a tailpiece J, Fig. 3, or projection J′, Fig. 1, provided upon one of the arms *b*, constituting the bridge-piece B, the extremity of the tailpiece J being brought into a suitable position to be convenient for operation by the forefinger when holding the pince-nez at the loop K, so that only one hand may be necessary for effecting the extension of the nose-pieces or plaquettes E E and adjustment of the pince-nez in position upon the nose. This action is effected by taking hold of the loop K by the thumb and finger and then pushing the tailpiece J inwardly with the forefinger. This separates the parts because the collar *c*, to which J is attached, belongs to the eye-rim at the left of Fig. 3, and by holding one eye-rim by the loop K and forcing the other one away from it the same effect is of course produced as by giving a separating movement to both rims.

Instead of arranging the nose-pieces or plaquettes E E with their lower extremities fixed to the eye-rims they may be fixed at their center or other convenient part, or they may be mounted upon the lower arms and operated by the means hereinbefore described. Any other form of lever may be employed to communicate the motion of the eye-rims to the plaquettes, so that that movement may be multiplied. As illustrated in the drawings, the nose-pieces or plaquettes E are preferably made of thin steel, to which cork faces *e* are secured in any suitable fashion.

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

1. In combination, the eye-rims, the extensible connections between them, the nose-pieces and means for giving them a separating movement relatively greater than that of the eye-rims, said means comprising lever connections between the nose-pieces and the extensible connections, substantially as described.

2. In combination, the eye-rims, the extensible connections between them to allow them to separate, the nose-pieces, connections between one end of each nose-piece and the eye-rim, and levers connected with the other ends of the nose-pieces and with the extensible or separable parts to give the nose-pieces a separating movement in addition to that between the eye-rims, substantially as described.

3. In combination, the eye-rims, the extensible connections between them consisting of the sliding arms *b′*, *b′* with the spring, the nose-pieces connected to the eye-rims, the levers connected to the nose-pieces and to the sliding arms, said levers giving the said nose-pieces a separating movement in addition to that taking place between the eye-pieces, substantially as described.

4. In combination, the eye-rims, the extensible connections between them comprising sliding arms with the spring, the nose-pieces connected to the eye-rims, the levers connected at one end to the nose-pieces and at their other ends to the sliding bars and a tailpiece connected to one of the sliding arms, substantially as described.

5. In combination, the eye-rims, the sliding arms connecting them, the spring for controlling the relative position of the sliding arms, the nose-pieces connected to the eye-rims, the levers pivoted to the eye-rims and slotted at one end to connect with the sliding arms, said levers being connected at their other ends with the nose-pieces, substantially as described.

In witness whereof I have hereunto set my hand, in presence of two witnesses, this 21st day of December, 1898.

W. SALT.

Witnesses:
WILLIAM EDWARD EVANS,
ALBERT E. PARKER.