Sept. 12, 1939. A. GEFFON 2,172,840

HOUSING WITH TELESCOPIC BEAMS

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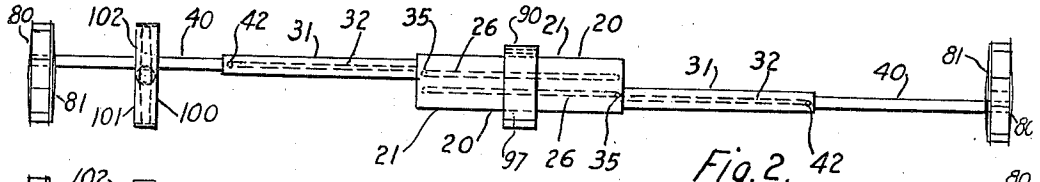


Fig. 2.

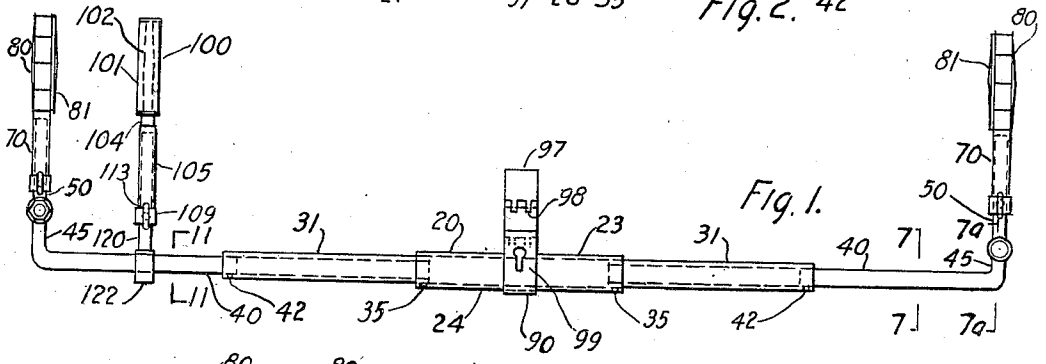


Fig. 1.

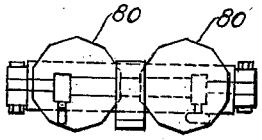


Fig 3

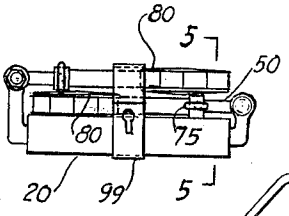


Fig 4

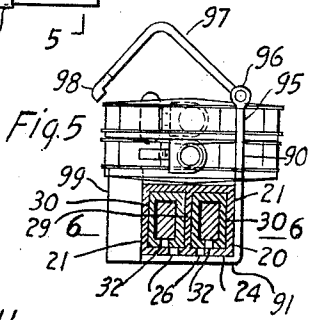


Fig. 5

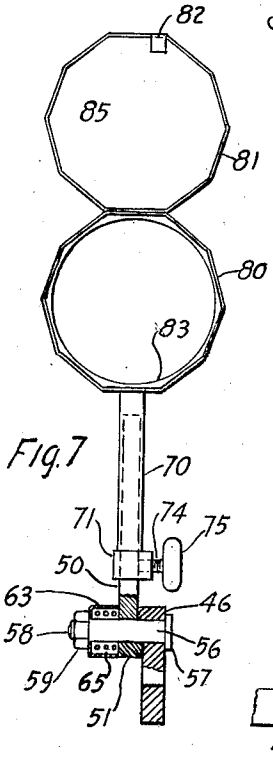


Fig. 7

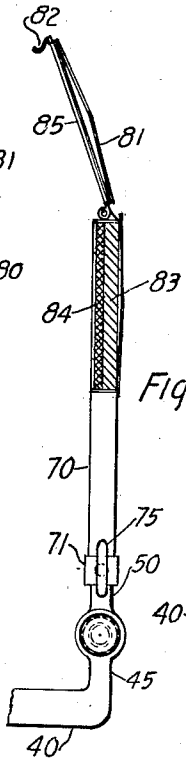


Fig. 8.

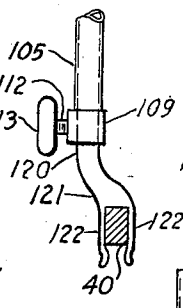


Fig. 11

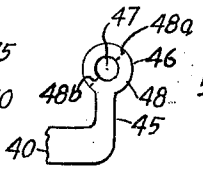


Fig. 9

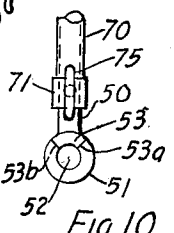


Fig 10

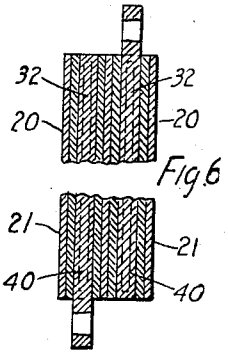


Fig 6

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HOUSING WITH TELESCOPIC BEAMS

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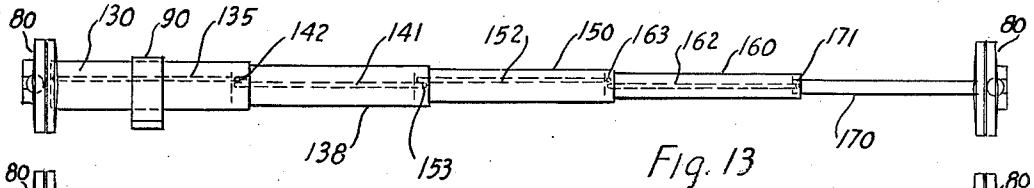


Fig. 13

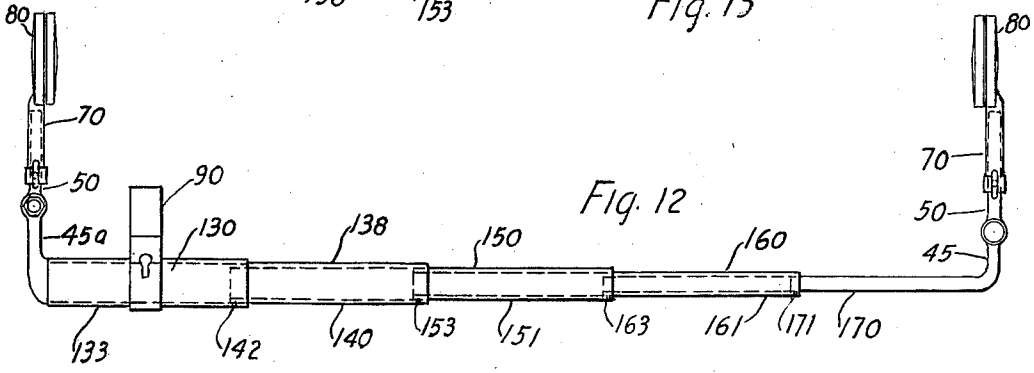


Fig. 12

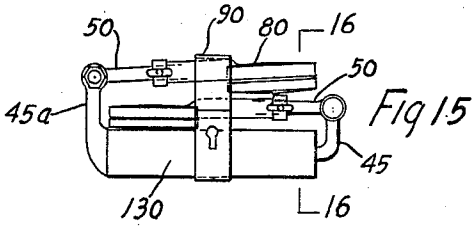


Fig 15

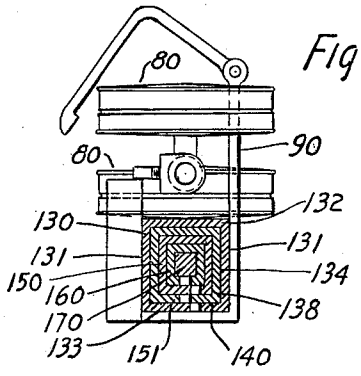


Fig 16

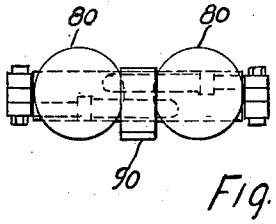


Fig. 14

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UNITED STATES PATENT OFFICE

2,172,840

HOUSING WITH TELESCOPIC BEAMS

Abraham Geffon, Brooklyn, N. Y.

Application July 28, 1937, Serial No. 156,044

1 Claim. (Cl. 88—89)

This invention relates to a housing with telescopic beams.

The object of the invention is the production of a housing with telescopic beams, and the outermost beams when extended adapted to support various objects such as mirrors, by means of which a rear view of the head or other portions of the body of the user or of other objects may be easily viewed.

In the drawings Fig. 1 represents a side elevation of the housing with its beams and a duplex mirror in its operative open position; Fig. 2 shows a top view of Fig. 1; Fig. 3 indicates a top view of the housing with its appurtenances in their collapsed and closed position; Fig. 4 represents a front view of Fig. 3; Fig. 5 shows an enlarged partial section of Fig. 4 on the line 5, 5; Fig. 6 is a partial section of Fig. 5 on the line 6, 6; Fig. 7 represents enlarged sections of Fig. 1 on the lines 7, 7 and 7*a*, 7*a*; Fig. 8 indicates a right hand view of Fig. 7; Figs. 9 and 10 show elevations partly in section of fragmentary portions of Fig. 7; Fig. 11 indicates an enlarged section of Fig. 1 on the line 11, 11; Fig. 12 represents a side elevation of the housing with its beams in open position with a modification; Fig. 13 is a top view of Fig. 12; Fig. 14 indicates a top view of the housing and appurtenances shown in Figs. 12 and 13 in their collapsed and closed position; Fig. 15 represents a front view of Fig. 14 and Fig. 16 indicates an enlarged partial section of Fig. 15 on the line 16, 16.

Referring to Figs. 1 to 11 inclusive the invention comprises rectangular shaped housing 20, having the side walls 21; the top wall 23 and the bottom wall 24 with the longitudinal openings 26. A central longitudinal wall 29 divides the housing 20 in two parallel operating chambers 30. It will be noted that the housing 20 is a single unit.

For each of the chambers 30 is provided a telescopic rectangular supporting beam 31, each having a bottom wall with a longitudinal opening 32.

A pin 35 extends from the bottom wall of each supporting beam 31 and extends into the adjacent longitudinal opening 26 of the housing 20.

In each of the supporting beams 31 is positioned a telescopic rectangular supporting beam 40, which has extending therefrom a pin 42 that projects into the longitudinal opening 32 of the adjacent beam 31. Each supporting beam 40 has integral therewith and at right angles thereto the member 45 one longer than the other, each having the circular head 46 having the opening 47, and the stop lug 48 having the ends 48*a* and 48*b* projecting therefrom. To each of the heads 46 is pivoted an arm 50 which has integral therewith the circular head 51 having the opening 52. The head 51 has extending therefrom the stop lug 53 having the ends 53*a* and 53*b*, which coact with the ends 48*a* and 48*b* of the stop lug 48. The heads 46 and 51 are connected to each other by the pin 56 having the head 57 and the threaded shank 58 with the nut 59. A hood 63 encircles the pin 56 between the head 51 and the nut 59. A helical spring 65 in the hood 63 bears between the head of said hood and the head 51 to maintain the latter and the head 46 in tight operative position.

A supporting tube 70 is slidably supported on each of the arms 50 and to its lower end is secured a clamping collar 71. A set screw 74 with the operating head 75 is in threaded engagement with the collar 71, by means of which each tube 70 can be longitudinally and rotatively clamped in different positions to its arm 50.

At the upper end of each of the tubes 70 is supported a receptacle having the body portion 80, and to the latter is hinged a cover 81, having the locking clasp 82. In the body portion 80 is secured the compact 83 and over the latter is detachably positioned the usual pad 84. In the cover 81 is fastened the mirror 85.

To the bottom wall 24 of the housing 20 is fastened a clamping device designated in its entirety by the numeral 90. The clamping device 90 comprises the lower horizontal arm 91, which is fastened to the bottom wall 24 of the housing 20. The vertical arm 95 of the clamping device having the eye end 96 extends from the arm 91. The angle shaped locking arm 97 having the latch ends 98 is hinged to eye end 96. A lock 99 extends from one of the side walls 21.

To one of the supporting beams 40, may be detachably secured a magnifying glass designated in its entirety by the numeral 100.

The said magnifying glass comprises a ring 101 having a lens 102 supported therein in the usual manner. From the ring 101 extends the plug 104 and from the latter extends the tube 105. At the lower end of the tube 105 is fastened the collar 109. A set screw 112 with the operating head 113 is in threaded engagement with the collar 109. A stem 120 is shown with the lower lateral projecting portion 121. From the latter extend the spring clamps 122 which bear against the side walls of the adjacent supporting beam 40.

When the supporting tubes 70 with their appurtenances are swung at right angles to the supporting beams 40, as indicated in Fig. 1, the end

53a of the stop lug 53, bears against the end 48a of the stop lug 48. When said tubes 70 with their appurtenances are swung down to their collapsed positions, see Figs. 3, 4 and 5, the end 53b of the stop lug 53 bears against the end 48b of the stop lug 48.

When the supporting tubes 70 with their appurtenances are swung to their collapsed position, the angle shaped locking arm 97 is swung down so that its latch ends 98 enter the lock 99 wherein they will be clamped in the usual way. To disengage the locking arm 97 from the lock 99 a key is inserted into the lock and turned which releases the latch ends 98 in the usual way.

When the appurtenances of the housing are in their collapsed and locked position, the tubes 70 with their appurtenances are in locked engagement above the housing 20, and the supporting beams 31 and 40 are locked in said housing.

It will be noted, see Figs. 3 and 4, that each pair of supporting beams 31 and 40 collapse with the housing 20 at opposite ends thereof.

To use the invention the tubes 70 with their appurtenances are positioned at right angles to the beams 40, and the user holds the housing 20 in position so that the tube 70 adjacent to the magnifying glass 100 is adjacent to the face of the user, and the other tube 70 is adjacent to the back of the head of the user.

Referring to Figs. 12 to 16 inclusive the housing and its appurtenances are indicated to comprise the rectangular shaped housing 130, having the side walls 131, the top wall 132 and the bottom wall 133, producing the operating chamber 134. The bottom wall 133 is provided with the longitudinal opening 135. For the chamber 134 is provided the telescopic rectangular supporting beam 138, having a bottom wall 140 with the longitudinal opening 141. A pin 142 extends from the bottom wall 140 and projects into the longitudinal opening 135 of the housing 130. In the supporting beam 138 is positioned the telescopic rectangular supporting beam 150, having a bottom wall 151 with the longitudinal opening 152. A pin 153 extends from the bottom wall 151 into the opening 141.

For the supporting beam 150 is provided the telescopic rectangular supporting beam 160 having the bottom wall 161 with the longitudinal opening 162. A pin 163 extends from the bottom wall 161 and projects into the longitudinal opening 152 of the beam 150.

A telescopic rectangular supporting beam 170, has extending therefrom the pin 171 that projects into the longitudinal opening 162 of the supporting beam 160. At the outer end of the supporting beam 170 is again shown the member 45 at right angles thereto. To the member 45 is again pivoted the arm 50 as already described. The supporting tube 70 is again supported on the arm 50. The receptacle 80 with its appurtenances is again indicated for the tube 70.

From the other end of the housing 130 extends a member 45a similar to 45. To the member 45a is again pivoted the arm 50. The supporting tube 70 is again supported on the arm 50. The receptacle 80 with its appurtenances are again indicated for the tube 70.

The housing 130 is again provided with the clamping device 90 as already described.

Attention is called to the fact that in the modification shown in Figs. 12 to 16 that the supporting beams 138, 150, 160 and 170 collapse with housing 130 at one side thereof.

It will be noted that the longitudinal openings in the bottom walls of the operating chambers and the bottom walls of the supporting beams, provide means to maintain the chambers and beams clear of dust for their efficient operation.

Various modifications may be made in the invention and the present exemplifications are to be taken as illustrative and not limitative thereof.

Having described my invention I claim:

The combination of a housing having a pair of operating chambers, a supporting beam telescopically supported in each of said chambers, a series of telescopic supporting beams coacting with each other and with the supporting beam of each chamber, an arm adapted to carry an article such as a mirror pivoted to the outer end of the outermost supporting beam of each series of beams, a clamping device comprising an arm fastened to the bottom wall of the housing, a vertical arm extending from the first arm, an angle shaped locking arm hinged to the vertical arm and having latch ends, and a lock extending from the housing coacting with said latch ends to lock the said arms to said housing, when said beams are positioned in the chambers of the housing.

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