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FACIAL CONTROL

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1 Claim. (Cl. 128—410)

This invention relates to treatment and adaptation for health and appearance advances.

This invention has utility in relieving distress disturbing conditions, especially about the face of an individual as to skin, flesh, and general poise factors. The purpose of this device is to relieve discomfort when disturbance of such character may be relieved by local pressure as in positions about the face occurring from even types of neuralgia attacks. Further value arises in positioning flesh portions, say from disfiguration, as well as in instances to adjust to meet the wishes for comely appearance. Furthermore, this set-up is readily adapted, as once adjusted, for continuing the use to conform with the requirements as found suitable.

Referring to the drawing:

Fig. 1 is a side elevation of an embodiment of the invention in position for use on a patient;

Fig. 2 is a section on the line II—II, Fig. 1, showing a bow carrier means with the secondary or nose carrier means;

Fig. 3 is a detail view of a sponge rubber type of pad from the mounting side;

Fig. 4 is a section on the line IV—IV, Fig. 3;

Fig. 5 is a section on the line V—V, Fig. 3, showing the pad assembly or mounting;

Fig. 6 is a view similar to Fig. 4 of a more firm pad, say of rubber;

Fig. 7 is a view in section similar to Fig. 4 for an inflatable or pneumatic type of pad;

Fig. 8 is a view similar to Fig. 4 for a medication or special treatment pad, say as carrying fibrous material;

Fig. 9 is a view similar to Fig. 4 wherein the pad is available for local heating;

Fig. 10 is a section on the line X—X, Fig. 1, showing the support of head set for assembly of the bow carriers therewith;

Fig. 11 is a section on the line XI—XI, Fig. 10, showing the yieldable mounting for one of the bow pieces or carriers;

Fig. 12 is a view on the line XII—XII, Fig. 2, showing the nose side engaging device or pad;

Fig. 13 is a fragmentary view of a head set from the ear side portion embodying flexible straps in lieu of the bow carriers and accordingly adapted to extended use at treatment intervals for the patient;

Fig. 14 is a partial section on the line XIV—XIV, Fig. 13, showing the pad assembled with the strap or carrier; and

Fig. 15 is a fragmentary view, looking into the mid-portion of the major bow carrier.

Head 1 of an individual is herein shown as

having the skull about the ears engaged by support for the facial treatment of the disclosure herein. This support of head frame set embodies cushions or sponge rubber rings 2 in annular flange disks 3. Centrally thereof through washer 4 extends bolt 5 assembling washers 6, spacing series of arms 7 angularly shiftable upon the bolt 5. Further spacing this disk 3 from cap 8 is sleeve 9. Outwardly from this sleeve 9 is minor bracket 10 providing mounting for ball 11, from which universal joint extends stem 12 mounting eye 13 having overhead arch portion or wires 14 to companion eye on the opposite side of the head. These arch portions are locked by knurled nut 15 in position as to the stem 12.

The various arms 7 are independently angularly shiftable as to the bolt 5, and as such angular relation is determined, knurled head 16 may be operated against nut 17 in effecting clamping through this bolt 5. These respective arms 7 are elements of bow-shaped carriers from the skull-embracing disk of the head set support on one side toward skull-embracing companion disk on the opposite side of the head of the patient. These arms of the bow portions are flanged in thereby forming seats toward the free ends thereof to telescopically receive resilient or flexible connecting bow 18 therebetween. These connecting bows 18 have inwardly offset portions 19 having slots 20 therealong and medial projecting portion 21 provided with slot 22. These slots may contribute to the flexibility of the general structure as well as be contributing factor for lightness and coact in the matter of locating treatment features. For instance, flexible sheet metal back 23 of sponge rubber or cushioning pad 24 may be adjusted or ride as a guide along and close the slot 20, while this back or strap 23 intermediate its length provides mounting for clip 25 having offset bead 26 adapted to oppose tongue 27 as a snap-in or yieldable mounting for engaging the opposite sides of a bow carrier portion 19. This means that this pad may be shifted from adjacent the ear toward the nose and may be positioned upward and over the forehead or down as to the several bow carriers, even to beneath the chin. There is thereby provided from the skull region of the ear a range of arc positioning from the hair on the region of the top of the head downward to the neck, and from adjacent the ear over to the vicinity of the nose. This provides a range for according attention in treating, say skin diseases or for placing and holding flesh

portions whether or not disturbed by disease attack. However, effective treatment hereunder resides in having this facial control positioned following attention given the patient or client, say to the extent of skin affecting treatments in massage or other appropriate handling for skin relaxing or giving such life or activity against what might be construed as a dormant or inactive position which may be a factor in nervous disturbance, whether excessive or sub-normal.

In such approach toward the desired holding, whether for the forehead, eyebrows, eyelids, cheek portions, or even to the sub-chin, as so shifted, the cushioning of the pad may be sufficient as placed to support the desired location or relieve as well as be a factor in easing the matter of disturbance or undesired poise. The degree for this holding may be sufficient from mere flexing of the bow shaped portion and allowing the porous or sponge rubber to be adjusted in the holding position sought. As there may be occasion for more firm or extreme tension, the degree of hardness therefor may merge through pneumatic cushion to a more firm bow say of rubber. In the instance of disease or inducing special local activity, medicated pad may be so located or there may be local application of heat; of course care being taken that such be not disturbing to the individual and not to the degree of promoting undesirable irritation or burn.

Accordingly, for the pneumatic cushioning, tubular rubber pad 28 (Fig. 7) may have air chamber 29 for the cushion. In the event there is required more firmness than the porous sponge pad 24, a rubber body pad 30 (Fig. 6) may be placed. In the instance there is treatment say to overcome irritation or local infection, medicated pad 31 (Fig. 8) may be placed on the bow portion of the carrier and adjustably located in the specific region for treatment. Again, if the treatment be one wherein a temperature control as warming, although such might even go to chilling in conjunction with the impregnated pad or the tubular pad, this temperature rise treatment may be by electric heater 32 (Fig. 9).

The slot or recess 22 of the mid-portion of the bow carrier may provide location for stem 33 having head 34 as adjusted by knurled screw 35 into holding position say medially of the forehead, near the lip or beneath the nose, lower lip and for the chin therebelow. A plurality of these clamps may anchor secondary bow 36 as a spanner between the primary bows 18 and thereby permit location of stem 37 to be locked by knurled head screw 38 in position tertiary bow 39. This bow 36, as well as the bow 39, are flexible thin sheet metal with a degree of resiliency, but adapted to conform and yieldably hold in position. This bow 39 is accordingly provided with terminal pad 40 to position in proximity to the bridge of the nose to reduce wrinkles or a desired facial expression or lines thereto. This location is determined not only from the adjustment of the knurled elements 35 as positioning the secondary bow 36 but by the knurled head 38 determining the in or out extent for this holding. Additionally, pair of arms 41 are still minor bows yieldable in their extent from the bow 39 and

having attachable pad 42 adjusted thereon to be engaged by head overhangs 43 (Fig. 12) in their coaction with the free ends of the bows 41. There are thus located pads 42 to engage say along the sides of the nose of the individual, and this location is adjusted in the positioning of the bow 36 as to a pair of bows 18 connected thereby. Furthermore, the transverse position and the rigidity thereof is determined by adjusting knurled headed screw 44 so that these terminal pads 42 may apply the desired pressure or location in positioning the flesh region as well as the nose and as to the cheeks.

As discussed, this head provides an effective support with this range of equipment snugly, definitely located for the treatment. Should there be emergency, it is only necessary to shift the head set from the skull-engaging portions of the individual and all is removed as a unit. In the event this positioning is conducted for repeated treatments toward a desired end, the assembly may retain its contour for re-use. In the event the support and carriers be adopted for individual treatments instead of generally for a single patient, the various parts as directly contacting an individual are susceptible for single service use or disinfecting treatments between uses, in thereby providing fully sanitary equipment with a range of adaptation to meet the full requirements about the front portion of the head of an individual.

While this set-up may be not uncomfortable as placed with the individual, it is not readily adapted for the individual to use in lying down, especially if the side of the head be of purpose for rest. Accordingly, in the adaptation for continued treatment interval which may go over a period of rest, even to throughout the night, conformation hereunder with a range may be from skull or ear-embracing head set frame portion 45 (Fig. 13) having strap 46 adjustable about the head rearwardly therefrom to oppose bow carrier portion straps 47 adjustable not only in length but in position for engaging the forehead, cheeks, jaw, sub-chin. These bow portions or straps 47 at the carriers may have mounted therewith sponge rubber 48 (Fig. 14) or other desired pad means in completing a range for use.

What is claimed and it is desired to secure by Letters Patent is:

Facial contact apparatus embodying a skull positioned head set frame comprising a pair of ring-shaped ear pads and adjustable-pressure arched clamping means therebetween forming a unit adapted to be readily located about the ears of a patient in forming a major support, a plurality of primary carrier means of bow form extending from the unit adapted to be across the face of such patient, secondary carrier means connected between and mounted by the primary carrier means for an intersecting direction across the face of the patient, facial configuration promoting yieldable pad devices, and adjustable mounting means for locating the devices with the carrier means, there being an additional nose treating adjustable yieldable pad device carried by the secondary carrier means.

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