Aug. 6, 1940. O. E. DAVIS 2,210,113

HEAD AND CHIN SUPPORT

Filed June 2, 1938

Fig. 1

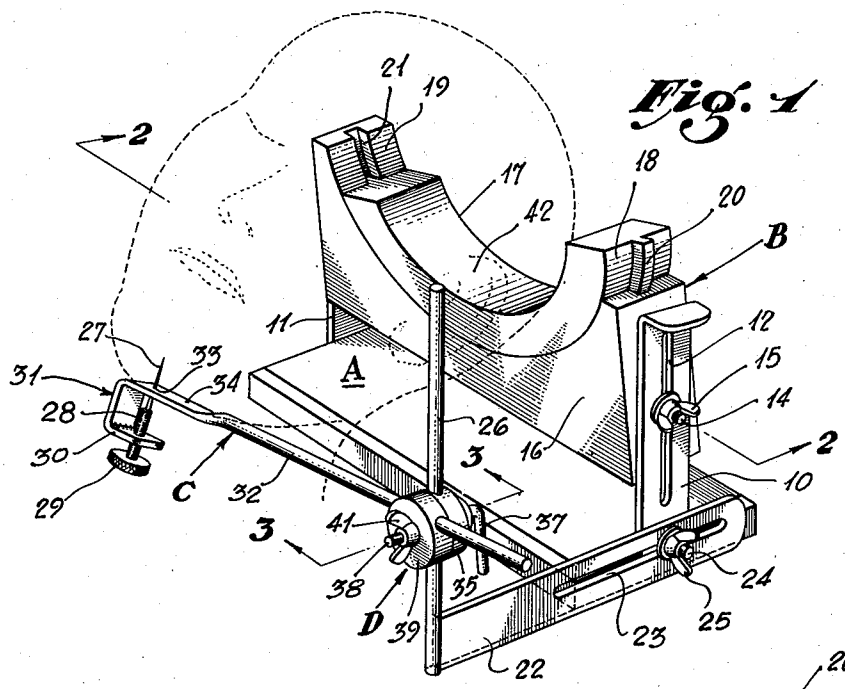
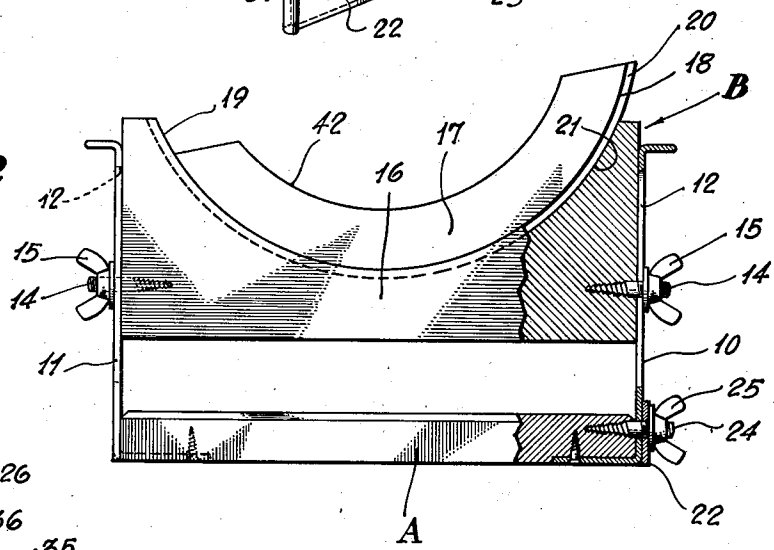


Fig. 2



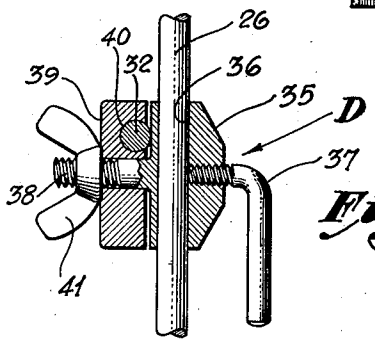


Fig. 3

Olin E. Davis INVENTOR;

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UNITED STATES PATENT OFFICE

2,210,113

HEAD AND CHIN SUPPORT

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Application June 2, 1938, Serial No. 211,426

2 Claims. (Cl. 27—13)

The invention is a time saving device for embalmers, facilitating the placing of the head of the body to be embalmed in the correct position with ease and precision, and holding the chin, mouth and head in place in a manner that prevents distortion of features.

The invention also relates to a means for applying pressure to the chin of a corpse to maintain the mouth closed in a naturally appearing manner, yet without applying pressure to the skin of the chin in such a manner as to leave a depression or mark of any kind upon that part of the face.

A more specific object of the invention is to provide for supporting a part of a corpse by a member which contacts directly with bony tissue of the part supported and which therefore does away with the necessity of supporting such part of the corpse by external pressure of a kind that might disfigure the same.

Other objects, advantages, and features of invention will hereinafter appear.

In the drawing, Fig. 1 is a perspective view, illustrating an embodiment of my invention. Fig. 2 is an elevational sectional view taken on the line 2—2 of Fig. 1. Fig. 3 is a detailed sectional view taken on the line 3—3 of Fig. 1.

In Fig. 1, as illustrated at A, a base member is shown consisting of a slab or block which may be constructed of any suitable material, upon which is rigidly secured, at either end, uprights 10 and 11. Said uprights are slotted as at 12 to adjustably mount a head-piece which I have designated in its entirety as B. Said adjustable mounting consists of trunnions formed of stud-bolts 14, passing through slots 12, and threaded or otherwise secured in the body portion 16, of the head-piece B, whereby vertical and angular adjustments of the head-piece B may be obtained. Thumb-nuts 15, threaded upon the protruding ends of the said stud-bolts 14, serve to hold the head-piece B in the adjusted position.

It will be noted that head-piece B is composed of the aforementioned body portion 16, and a rockable segmental portion 17, these two parts coacting in a manner to be subsequently described. The segmental portion 17, is arcuate in form, having an arcuate outer surface 18, adapted to engage with a similar arcuate surface 19, on the body portion 16, thereby supporting the segmental portion 17 in a manner to permit a tilting or rocking of the aforesaid segmental portion 17, in a confined path of travel. The frictional contacts of the flat end portions of the head piece with the inner faces of the metal strips 10 against which they abut cooperates with the clamping nuts 15 to hold said head piece securely in its adjusted position.

On the surface 18 I have provided a rib 20 concentric therewith, adapted to be received within a groove 21, cut in the surface 19 of the body portion 16, thereby preventing axial movement of the said segmental portion 17, with respect to the body portion 16. The segmental portion 17 is recessed as at 42, to receive the head of the body being embalmed.

At the lower portion of upright 10, adjacent to base A, is adjustably secured a laterally extending arm 22, having at one end a slot 23, engaging with a stud-bolt 24, which is threaded into the base A. A lock nut 25 secures the arm in lateral adjustment. At its outer end is provided an upright 26, brazed to or otherwise suitably fastened to the arm 22, upon which is adjustably mounted a chin support C.

The chin support C comprises a needle 27, mounted on the end of the threaded shank 28, of a thumb-screw 29. The thumb-screw 29 is in threaded engagement with one leg 30 of a U-shaped bracket 31, at one end, and integral with a laterally extending arm 32. The needle 27 passes through an opening 33 in the upper leg 34, of bracket 31, thereby serving to guide and support the needle 27 in the adjustable travel of the screw 29. The chin support C further comprises an adjustable mounting D. Said mounting consisting of a head 35, bored as at 36, to receive the upright 26, and adapted to rotate horizontally and slide vertically thereon. A set-screw 37 is threadedly received in the head 35, and serves to hold the same in adjusted position. A threaded shank 38, extending outwardly from and carried by the head 35, carries a collar 39, bored as at 40, to receive arm 32. A thumb-nut 41, threaded upon the shank 38, engages said collar 39, causing frictional engagement between arm 32 and head 35, thereby securing said arm 32 in the desired position.

The head rests on the rockable segment 17, and the head-piece B is adjusted for height and angle, after which the chin support C is placed in position with the needle 27 screwed down until flush with the upper leg 34 of the bracket 31. When the chin support is in position, the needle 27 will be directly beneath and under the chin bone of the subject. Emphasis is placed on the fact that no part of the chin support, other than the needle 27, comes in contact with any part of the flesh of the subject. By means of the thumb-screw 29, the needle is screwed up until it is

firmly pressed against the chin bone thereby closing the mouth and holding the chin in a natural position while being embalmed. When removed, the needle leaves no noticeable mark and the features remain in a natural position, and without distortion.

Without limiting myself to the precise construction and arrangements of parts shown, or the particular uses to which same may be placed, I claim as my invention:

1. A structure to support a corpse for embalming including a support to rest upon a mortician's table and a needle carried by said support and thereby rigidly maintained with its point directed upwardly, there being a sufficient clearance around the point portion of the needle to enable said needle to be utilized as the sole support of a portion to the corpse having bony tissue engaged by said needle, a screw-threaded base in said support, a screw member which passes therethrough, said needle being carried by and projecting axially from said screw member thereby providing a means to vary the upward extent of the projection of said needle.

2. In a structure of the kind described, a support suited to rest upon a mortician's table, a bracket adjustably mounted upon said support, said bracket including a rod having a rebent end portion whereby there is provided an upper portion and a lower portion in a spaced apart relation to each other, and a needle-likeshaft having its pointed portion directed upwardly, said shaft having a screw-threaded relation to said lower bracket portion and extending upwardly through a guide passage therefor in said upper bracket portion.

OLIN E. DAVIS.