

expand or widen the arch, and I have found no better or more applicable device than the Coffin expansion method, especially in a contracted arch and few teeth, like the model before you.

The appliance is exceedingly simple in construction and easy of application, merely a vulcanite plate as the fulcrum, and a piano-forte wire, suitably bent, to produce the Coffin spring or the proper form to suit the case, as one's own ingenuity suggests, to supply the necessary power. This same apparatus or vulcanite plate can be so constructed as to produce the forward movement of the left superior cuspid, and at the same time, bring the central incisors to the median line by the proper adaptation of the piano wire to exert the required manipulation. Several other methods might be mentioned, but would not in my experience be applicable in this particular case, therefore, we will leave that open to the general discussion of your honorable body. The vulcanite plate now being separated at the median line, is ready for introduction.

The proper contour of the arch now accomplished, next comes the rotation of the right superior second bicuspid, easily manipulated by means of the Magill band fitted to the bicuspid to be rotated, and to the twelve-year molar of the same side, a small piece of German silver seamless tubing being soldered horizontally on the buccal surface of the bicuspid band, and a strong hook on the corresponding surface of the molar. After cementing in position a proper-sized piano wire to fit the tube and spring under the hook, by its elasticity will rotate the tooth to its proper position. The wire may be bent from time to time, as found necessary, or a new one inserted as its elasticity becomes spent. Next to claim our attention would be the extraction of the deciduous cuspids, and the implantation of two healthy permanent lateral incisors in their place. Then the right superior cuspid and left superior bicuspid implanted, would complete the connection of the superior maxillæ.

The inferior maxillæ may be connected in the following manner: Properly fit Magill bands to the cuspid and second molar of the left side, with hooks soldered to the labial and lingual sides of the cuspid band, and to the buccal and lingual sides of the molar band. After cementing them on, use rubber tubing stretched from hook to hook on the buccal and lingual sides; it will produce the amount of force required to close the space, giving the crowded lateral