

## Case Reports

Dr. William C. Kemper of Indianapolis, Indiana, reports the following case. Figures 1 and 2.

*HISTORY*: Female patient, 10 years old and in good health. Tonsils and adenoids were removed at 7 years of age. No dental restorations or cavities.

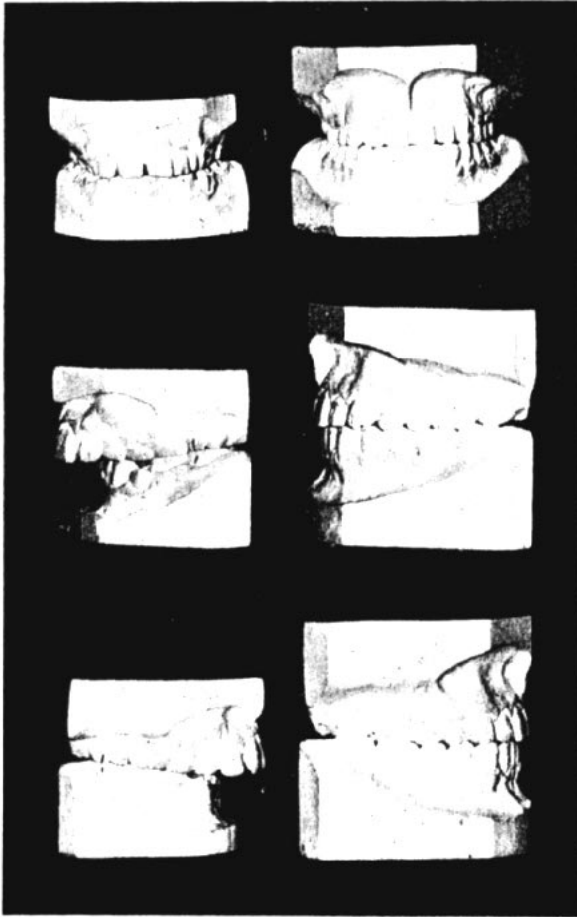


Figure 1

*DIAGNOSIS*: Malocclusion of the teeth, classified in Class II, Division 1.

*CASE ANALYSIS:* The lower denture and jaw are distal to skull anatomy. The dental arches are constricted and the mandibular, in the anterior region, is undeveloped, anteriorly.

*ETIOLOGY:* Mouth breathing; premature loss of lower first deciduous molars and canines; overdeveloped and hypertoned mentales muscles.



Figure 2

*PROGNOSIS:* Favorable.

*TREATMENT:* This was started on March 1, 1929. Maxillary denture—banded all teeth; placed a gingival bend in the archwire anterior to molar tubes; stop spurs were soldered mesially to lateral brackets and intermaxillary elastics were used; a general development of the denture was obtained. Rotations of left 1-2 and right 1-2 were effected. Mandibular denture—general development of arch; stop spurs were placed on the archwire just anterior to the molar tubes, distally to right first bicuspid bracket,

mesially to right lateral bracket, and mesially to left canine bracket; a gingival bend was made in the archwire anterior to buccal tubes; the anterior section was developed forward by placing washers between the stop spurs and molar tubes. Rotations of left 1-2-3 were accomplished.

*RETAINING APPLIANCE* was placed December 18, 1931.

Maxillary—Vulcanite plate with bite plane.

Mandibular—Cuspid to cuspid with soldered lingual wire extending to distal of first bicuspid.

The plate was removed in twelve months and the lower retainer was removed in two and one-half years.

The completed models shown were made two and one-half years after the active appliances were removed.