

LABIO-LINGUAL  
TECHNIC

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OLIVER-IRISH-WOOD

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## LABIO-LINGUAL TECHNIC



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# LABIO-LINGUAL TECHNIC

A DESCRIPTION OF THE LABIAL AND LINGUAL  
APPLIANCES IN THE TREATMENT  
OF MALOCCLUSION

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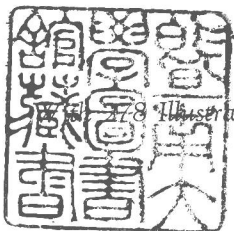
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178 Illustrations

ST. LOUIS  
THE C. V. MOSBY COMPANY

1940

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100.

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Printed in the  
United States of America

*Press of  
The C. V. Mosby Company  
St. Louis*



This book is affectionately dedicated to the memory of the two great pioneers in orthodontics, Edward H. Angle and Martin Dewey; and to Lloyd S. Lourie and John V. Mershon, who pioneered in the use of lingual and labial appliances.





## INTRODUCTION

The use of labial and lingual appliances is not new to orthodontia; consequently, lengthy comment dealing with the origin and development of either appliance is unnecessary. To those responsible for their gradual development, credit has justly been given. Theirs was the part, through hours of labor and concentrated thought, of making possible modern treatment. Without such thought on the part of predecessors, the science of orthodontia might not be.

The purpose of this text is to describe the art and means of a technic, having definite formulary arrangement and fundamental principles, which, if followed, are definite as to place and purpose in treatment.

Labial and lingual appliances have afforded a means of treatment, but weaknesses have been current in their use, through what would appear to be the failure to establish some form of arrangement consistent in nomenclature, construction, place, and use in treatment.

Some doubt the merits of lingual and labial appliances. This doubt should not be; it is caused, undoubtedly, by unwillingness to study fundamentals, to put forth painstaking effort and thought in mastering principles. To apply any technic successfully, one must first have a thorough knowledge of elementary and advanced subject matter.

There are no mysteries in the use of lingual and labial appliances, nor are they so highly complex or intricate in construction or manipulation that any student of orthodontia cannot realize a full understanding of the use of each appliance. Combined to represent a technic, their use need not be questioned. Their place in orthodontia is significant; they are true of purpose and of end result. They represent a technic which, in its mechanical aspect, is kindly to tissue change and which will permit the normal physiologic change incident to tooth movement as readily as will any appliance.

Those not having had thorough schooling in the sciences of growth and development, both normal and abnormal, had best not attempt orthodontic treatment, least of all that which is of a mechanical nature. Their first thought should be to have a complete knowledge of the aforementioned sciences. No member of the dental profession, by virtue of his being licensed, should undertake orthodontic treatment without first comprehensively studying the biologic and mechanical aspects of orthodontia.

Basically, the fundamentals of orthodontia are the same, regardless of technic; they are applicable in direct biologic relation to normal physiologic growth and change. Mechanically, this change is brought about by units of stress, represented as a push or pull, with their subsequent divisions. They are all part of the creation of action and reaction which are equal and opposite. Therefore, in applying mechanics in treatment, we should effect, as accurately as possible, a normal physiologic change of intercellular tissue by mechanical intervention.

Used jointly, labial and lingual appliances represent the labio-lingual technic; however, there are times when each appliance may be used alone.

In conclusion, it is right to say that the true student of orthodontia will be guided by a consciousness of the intricacies of orthodontic treatment, realizing that the technic hereinafter described is given for the purpose of establishing, for those using and those interested in using labial and lingual appliances, a formulary arrangement of their construction and use in treatment.

This book was never intended for those who are not willing to accept orthodontia as an art and science and who would treat such a great corrective work superficially.

Finally, the authors hope that the book will merit a place in the practice and library of those using the lingual and labial appliances. Their purpose has been to give, in concrete form, a text to serve as a guide in treatment for those of the labio-lingual school and for those interested in acquiring a knowledge of the labio-lingual technic.

## PREFACE

The technic and principles herein set forth define and describe the labial and lingual appliances, under the heading *Labio-Lingual Technic*—a description of the use of the labial and lingual appliances in the treatment of malocclusions.

The authors have attempted to put in concrete form a technic sufficiently comprehensive to permit a step by step description of the introductory phases, construction, and use of the labial and lingual appliances.

The absence of biologic material is due entirely to the fact that the book is intended to deal primarily with the mechanics of treatment.

The authors' intention, in emphasizing the mechanical, should not be misinterpreted by the impression that a knowledge of the biological aspect is unnecessary in treating malocclusions. Only failure will result if this vital phase is overlooked. By the very insertion of appliances in the correction of malocclusions, all correlated cellular structures become engaged in a change of their components. These components, if properly stimulated, become self-supporting and make possible, through mechanical aid, correct results of treatment.

We are indebted to Mr. Karl T. Davis for Chapter XVII.

To Mrs. Karl E. Lingenfelder we owe a debt of gratitude for work she did in preparing the manuscript for publication.

To Harry T. Carroll (W<sub>4</sub>AEE) and William B. Fox (W<sub>4</sub>DRI) we are deeply grateful for services rendered via amateur radio communication, making contact possible any hour of the day or night between the authors.

To Dr. William Buhner, associate of Dr. E. C. Lunsford, we are indebted for his assistance in photography.

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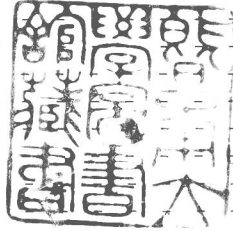
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