

**PROFESSIONAL  
DENTURE  
SERVICE, VOL. II**

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Professional Denture Service, Vol. II by George Wood Clapp & Russell Wilford Tench

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**GEORGE WOOD CLAPP & RUSSELL WILFORD TENCH**

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DENTURE  
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PROFESSIONAL  
DENTURE SERVICE

VOL. II.

BY  
GEORGE WOOD CLAPP, D.D.S.  
and  
RUSSELL WILFORD TENCH, D.D.S.

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TO ALL WHO SEEK WITH HEAD OR  
HAND TO PERFECT ANY FORM OF  
DENTURE TECHNIC, THIS BOOK IS  
RESPECTFULLY DEDICATED

## PREFACE

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Since the first volume of Professional Denture Service was written, dentists from nearly every part of the English-speaking world have come to the laboratory of the Research Division of the Dentists' Supply Company to learn by individual instruction the technic which that book describes.

Thousands of other dentists have adopted that technic or some other form of improved technic, at least in part, and are achieving better results than formerly.

The quality of denture instruction in colleges is improving.

The National Association of Denture Prosthetists has been formed for the express purpose of perfecting every detail of denture technic.

Many laboratories are offering greatly improved denture service.

These things mark the dawn of a new day in which denture service will take its place as an equal with operative service in professional attention, esteem, and honor.

All those who by earnest effort and research have contributed to the realization of a scientific denture technic have placed the authors and the entire profession under great obligation. Were it not for the study and research of many men, this volume would have been impossible.

THE AUTHORS



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## FOREWORD

When "Professional Denture Service" was written, the Gysi Adaptable Articulator was obtainable. This was the most scientific articulator known, and for this reason, the technic of the book was built around it. A condition resulting from the world war shut off the supply of Adaptable Articulators. The Gysi Simplex is now the only available articulator, embodying the necessary scientific principles.

The purpose of this volume is to present in readily accessible and usable form the technical steps necessary to the construction of the highest type of full upper and lower dentures in conjunction with the use of the Gysi Simplex Articulator. Most of these steps are described in detail and fully illustrated in the first volume of Professional Denture Service.

During the years since the first volume was issued, the technic has been continuously and extensively studied. There has been no reason to change any of the principles set forth in that volume. Certain changes in procedure have been developed within our Research Laboratory, and others have been adopted from suggestions made by members of the classes taught by the laboratory force. These changes render attainable results heretofore impossible and reduce the chances of error. They are described in detail in this volume and some are illustrated.

The full compound technic for impressions is retained. Skilful and conscientious practitioners are using a combination of plaster with a compound tray with apparent satisfaction. While such a technic may give satisfactory results in Class I and perhaps in Class II mouths, we believe that it can be used satisfactorily in Class III and Class IV mouths, only when the dentist is one possessing

exceptional skill. On the other hand, the full compound technic, when mastered, is quite as satisfactory as any other in Class I and Class II mouths, and with it the dentist of ordinary ability can attain results in Class III and Class IV mouths which would be otherwise impossible.

Judged by the old, unscientific technic, the denture technic presented herein will appear formidable. It should not be so judged. It should be judged by its results which are entirely unlike the results of unscientific technic. When properly applied, this technic produces, *in all classes of mouths*, dentures which are stable in all positions of the mouth, efficient in speech and mastication, comfortable in use, and natural in appearance. In about 90% of all cases, the lower dentures have good "suction." The achievement of "suction" in lowers is too recent to permit us to say how long it endures, but it still exists in cases which we have had under observation for four years, and it is our opinion that where pathological conditions do not interfere, suction is nearly, if not quite, as permanent in the lower as in the upper when dentures are articulated to harmonize with the patient's habitual masticatory movements.

The difficulties in connection with the mastery of this technic lie in the dentist rather than in the technic. They arise from the fact that dentists were not taught, early in their professional careers, to manipulate modeling compound properly and to take correct impressions and bites. They arise from the fact that dentists fail to realize the necessity for accuracy in denture construction to a sufficient degree to make them willing to bear the necessary sacrifice of time and effort required to master accurate technic. As soon as the dentist has taught himself to do these things, the difficulties will largely disappear.

This technic offers no inducement for the dentist who wishes something with which "to get by." It does offer an inducement to the dentist who wishes to develop his skill to the point where he will be able to render the