

Dental Surveyor의 사용법에 관한 연구(I)

박충호치과의원

Abstrace

A Study on the Usage of Dental Surveyor(I)

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The fdlloing results were come out after the careful study on the rational application of dental surveyor in the clinic

1. The adequate path of placement satisfying guiding plane, retention non-interference and esthetics
2. The location of clasp arm and the accurate under cut position and amount of clasp tip can be judged.
3. In case that the model needs to be mounted to the surveyor, the exactly same location can be attained by the means of the tripoding.
4. The unnecessary undercut areas in the path of placement and removal car be corrected.
5. The surveyor is essential in manufacturing dental prosthesis and it can also carry out all sorts of prospective designs In terms of the diagnosis and treatment.

목 차

1.

Under cut

1.

2. 가 가

3.

가

Surveyor

4. ()

가

1)

가

2)

3)

Surveyor

4)

5) Retention tip

6)

7) Unter cut

II. 본 론

1. 구조명칭 및 사용목적

1) (Surveyor body)

I. 서 론

1. 연구의 필요성 및 목적

가

surveyor

partial denture

Clasp seveyor

partial denture

surveyor

가

가

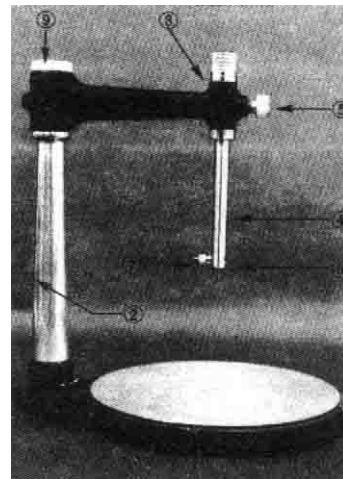
가

partial denture

Partial

가

surveyor



1. (Ney surveyor)

Horizontal Surveyor base

Upright column

Cross arm with spindle bearing

Vertical spindle

Spindle tightening screw

Tool holder

Tool holder locking nut

Rack for accessories

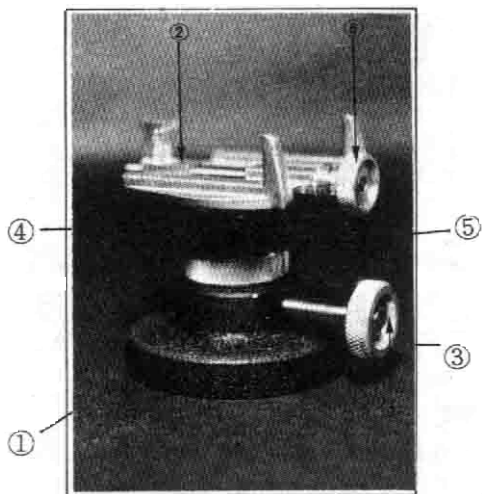
Storage compartment for tools

Base

Vertical spindle

Surveyor

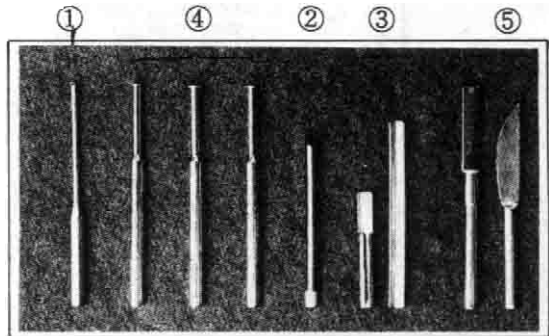
2) (2)



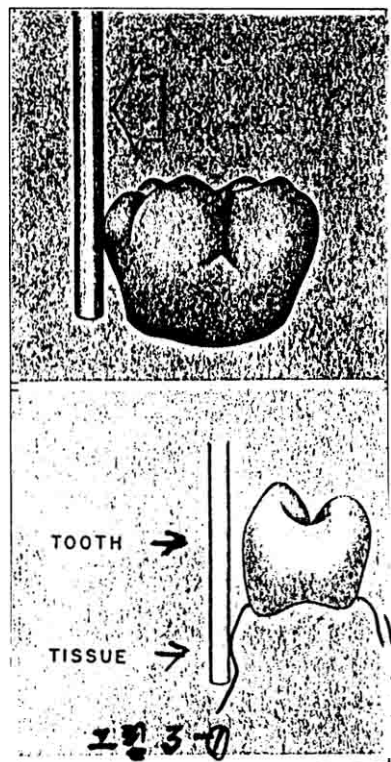
- 2.
- Surveyor table
- Tilt-top and model clamp
- Locking screw of tilt-top
- Ball pivot
- Ball retaining ring
- Model clamp adjusting screw

Model (3)
(Tilt-top and model clamp)

3) (3)



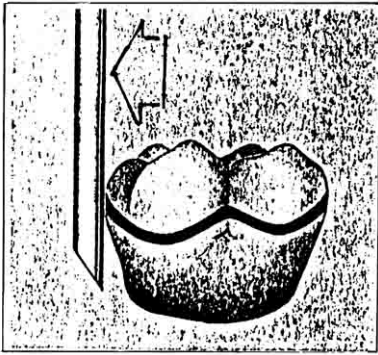
(Analyzing rod) (3-)



1mm

Under cut

(Carbon marker)(3-)

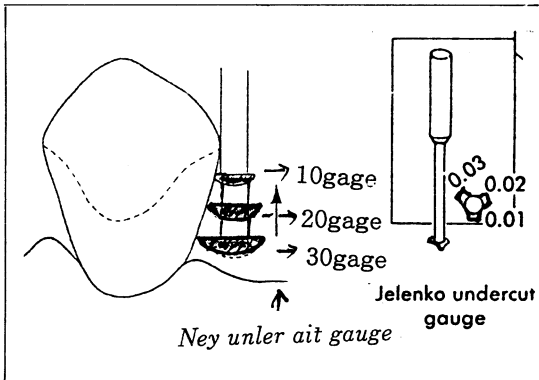


Survey line

가

(Reinforcing sheath)(3-)

Under cut gauge(3-)



Under cut

, gauge

10gauge(0.25mm), 20gauge(0.50mm),
30gauge(0.75mm) 3

(),

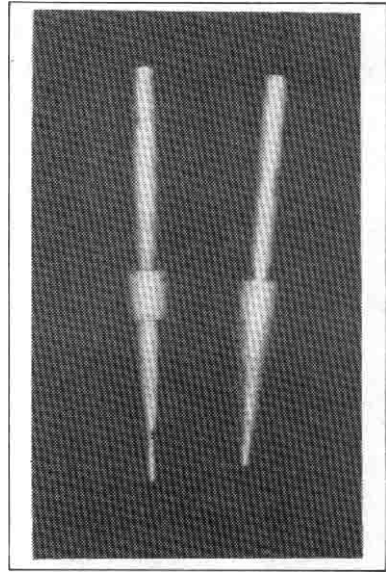
가

Wax trimmer(3-)

Wax, clay, dental plaster

Block out

Taper tool(3-)



Clasp

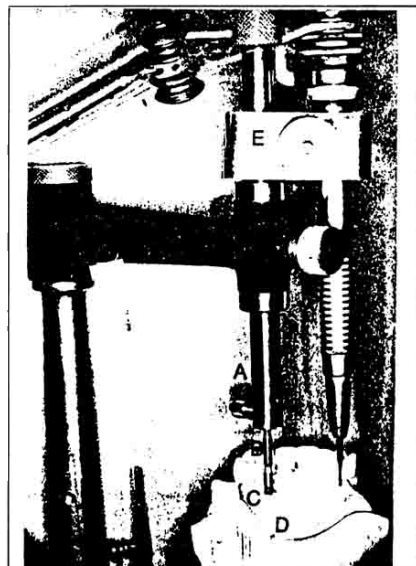
Under cut

. 2° 6° 2 가

가 2° Taper tool

6° Taper tool

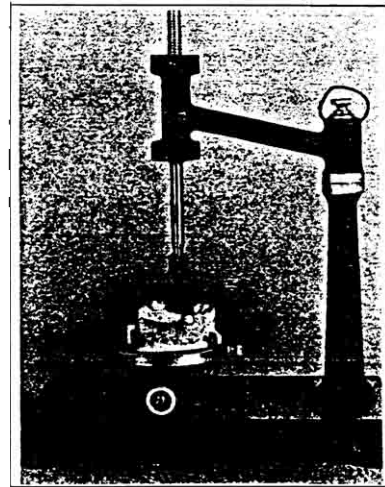
Handpiece holder(3-)



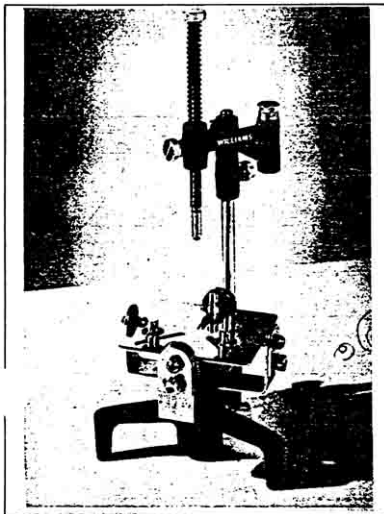
Vertical spindle Handpiece
 rest ,
 가 Attachment
 Milling machine 가

2. 종류 및 가동식과 비가동식의 특징

1) (4)



(4-) Jelenko surveyor



4. William surveyor

가

2) 가 가
 가 Surveyor Arm

가

가

Arm

가

Surveyor

Surveyor 1901

Griwold Pallalelometer가

, Wallace pallalelometer

가 1918

Philadelphia Dental clinic club

A.J.Fortunati(Boston)가 clasp under cut

Bridge Pallalelometer가

Weinstein Roth 1921

Clasp surveyor Ney

가 Surveyor Jelenko surveyor,

William surveyor가 가 Ney

surveyor가

3. 용도(그림 5)

Surveyor

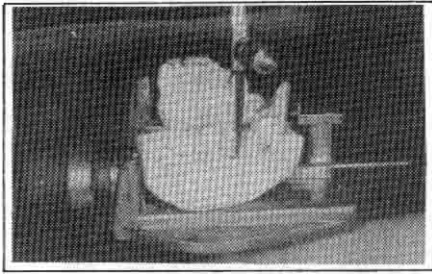
가

Under cut

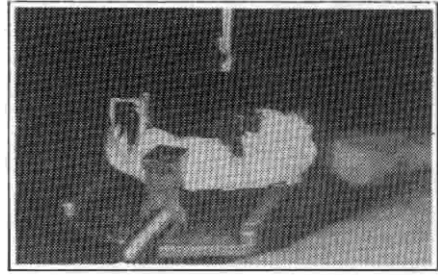
Under cut

tray , post and core, Inlay, Crown and

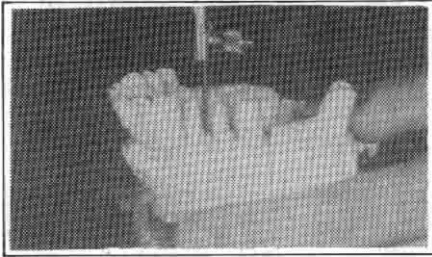
Bridge, Full denture Attachment



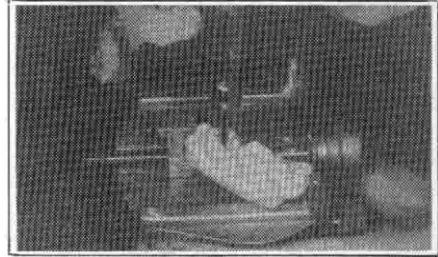
(5-) serveyor
 , 가



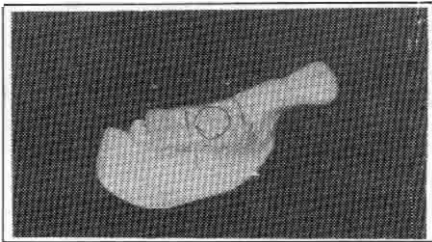
(5-) Post and core carving
 carving



(5-) tilting



(5-) Inlay undercut가



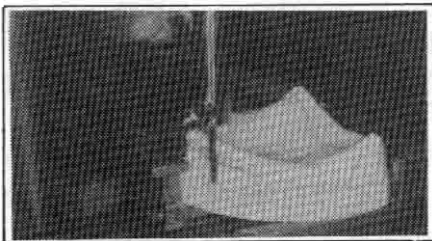
(5-) Inlay impression individual tray

4. 분석방법(검시방법)

1)

Study model

Surveyor



(5-)



(6-) 가 , , ,
tilting

2) (6-)

(Retentive are)

(Interference)가

가 Clasp

model
(Analyzing rod) Tool Holder

tilting
가

tilting Partial
denture , tilting

3) (Tripoding) (6-)
Surveyor

가

2가

Surveyor

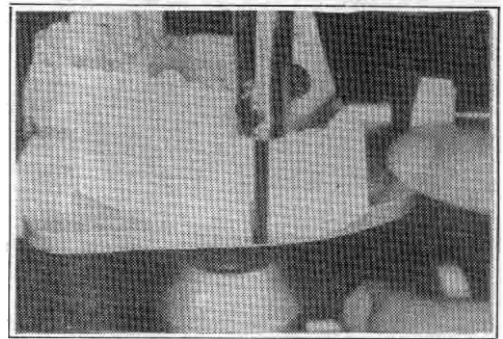
Blade Analyzing rod

table

가

Surveyor
Surveyor

1 , 3
2) (



(6-)

4) (Served line) (6-)
Analyzing rod

Reinforcing sheath

Under cut

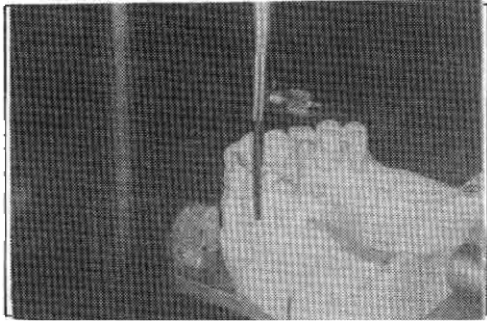
가

Vertical spindle

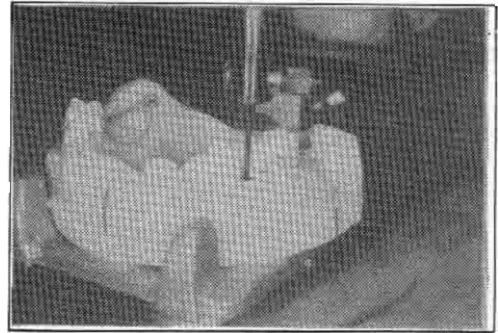
gauge

가

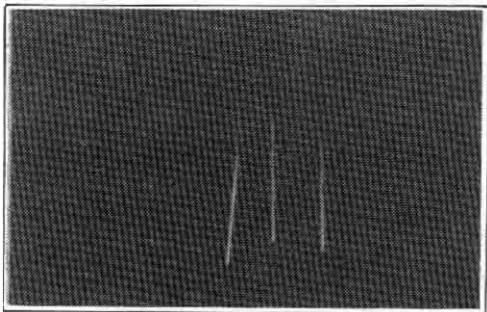
Under cut , clasp tip
(clasp , , , ,
) , clasp



(6-) Surveyor line



(6-) -model 6] wax
carving Surveyor line 45] Undercut
, rest
model undercut gauge



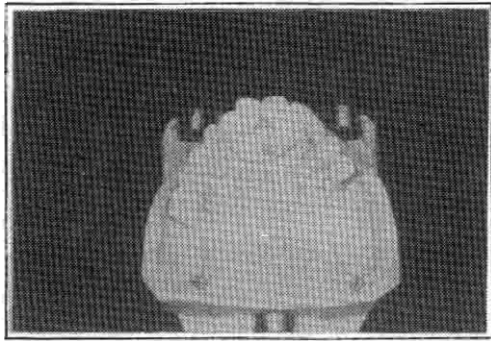
(6-) □

6) (6-6)
Clasp, Bar

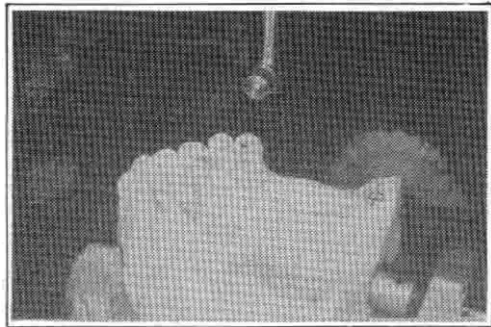
Clasp
1/2 Under cut 가 Wrought
wire 2/3 가 Under cut 가
가

5) Retentive tip (6-5)

Retentive tip
Under cut gauge gauge Clasp, Bar
Survey line gauge
vertical spindle
vertical spindle Resin
Retentive cut , Relief, Block out, Survey line, under
tip 가 gauge

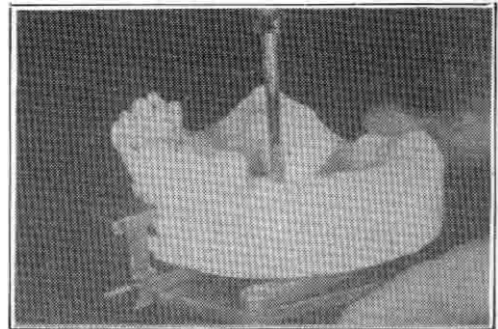


(6-)



(6-) Wax trimmer undercut

2. Clasp arm , Clasp tip
Under cut
3. Serveyor 가
4. 가 Under cut
5. Serveyor
가



(6-) Taper tool undercut

7) Under cut (6-)

가 Under cut Wax dental, plaster,
clay Wax trimmer,
Serveyor Blade
Taper tool Resin
Dental plaster , Wax
Servey line Resin

III. 결 론

Dental serveyor 가

1. , , ,

참 고 문 헌

1. McCracken's : Removal Partial
Prosthodontics.
Mosby, 1997, pp.
114~120
2. Renner : Removal partial dentures. 9b.
1987·pp116~117
3. Rudd, Morrow : Dental laboratory
procedures VIII.
Mosby(1987), pp
159
4. Statton : An atals of Removal partial
dentures, chiwon(1988), pp.
13~18
5. Steward Rudd : Clinical Removable
partial denture,
Mosby(1983) pp.
229~273

6. 吉川建美：井バーヤーによる 検査 補繼
枝工用語集 Vol. 16(1991)
page 833
7. 水野(行博)：井バーヤーの 種類と使用法
クラスプの 齒料技工 別冊
(1983) pp.39~42
8. 김광남·국소의치학, 명성인쇄사(1989) pp.
103~114
9. 신상완·이복산：국소의치설계(25), 치과
연구(1988) Vol. 23 No.4
10. 장익재외, 국소의치학, 한림사 1992년
pp.201~218
11. 조광현, 치과보철학 유림사(1978) pp.
365~377
12. 현종구외 「국부상의회기공학」, 신광출판사
(1990) pp.87~9
• 현종구, 「치과용 평행측정기의 임상적 응용에 관
한 고찰」임상의학(1992) pp.68~74