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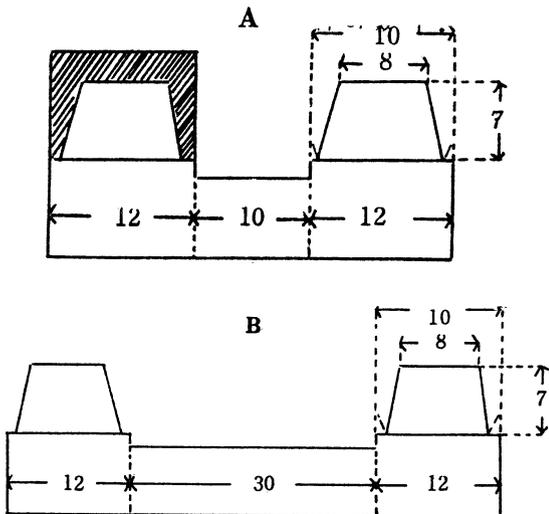
II. 실험재료와 실험방법

1. 실험재료

- (1) Random & Randolph soldering investment
- (2) G-C S Quartz investment
- (3) A Type gold alloy
- (4) G-C S blue inlay wax
- (5) Jelenko wetting agent
- (6) Whip-mix Vacuum investing machine
- (7) 10×顯微鏡 Nikon 1/100mm micrometer
- (8) acetylene gas soldering blow pipe
- (9) 18 karat soldering metal (W.E. Mowery co. 650 fine)
- (10) Casing ring (12) 個
 - 30mm, 50mm ring 6個
 - 50mm, 50mm ring 6個
- (11) Crown & bridge 原型

2. 실험방법

- (1) 3本 bridge 5本 bridge stainless steel
 - 3本 bridge 10.0mm (1 A), 5本 bridge 30mm (1 B)



1.

(2) Wax pattern

Wax
 wax dipping method 가 wax pattern Pontic wax pattern 3本 bridge 6個, 5本 bridge 6個 12個
 (3) spruing, 最大厚經部 10 gauge wax sprue sprue former wax pattern 洗滌, Jelenko wetting agent Quartz investment (G-C 'S) W/P ratio = 0.35 whip-mix vacuum investing (60rpm) mixing 1 furnace sprue hole 가 ring dml 60 1300 30 Kerr centrifugal casting machine A tapy malting

(4) soldering assembly

casting body가 除去 sprue 切斷 retainer pontic 適合 sticky wax 連結部位 dental plaster mix soldering matrix uillity wax soldering assembly가 15mm, 20mm, did block 5mm 가 plaster matrix trimming boxing plaster matrix 分離材 Random & randolph investment 指示 investing

(5)

furnace soldering soldering 18K soldering metal 0.1g 650 가 furnace 가 (flux) 10 cooling Quenching soldering assembly casting body Open-flame soldering

furnace 50 furnace
 bunsen burner stand 3 preheating 가 良
 bridge 3, 5 bridge 5 가 Open-flame preheating
 flame solder metal melting
 (fulx)
 (6) Stackhouse가 plaster index
 bridge stainless steel 誤差
 finger pressure(指壓) Fusayama
 10× Nikon meyer, Stackhouse, Tylman
 micrometer 裝置 buccal, lingual, mesial, 模型 金融
 distal margin 4 間 最終

III. 실험성적 및 고찰

furnace Open-flame 가 furnace
 3 preheating open flame
 metal flame bridge span
 preheating 가
 bridge furnace
 Table.

furnace soldering : mm

	buccal margin	lingual margin	mesial margin	distal margin
①	0.02	0.02	0.04	0.03
3 本 ②	0.03	0.02	0.03	0.04
bridge ③	0.03	0.03	0.03	0.04
平均	0.03	0.02	0.03	0.04
①	0.03	0.03	0.06	0.05
5 本 ②	0.04	0.03	0.05	0.07
bridge ③	0.04	0.05	0.06	0.08
平均	0.04	0.04	0.06	0.07

2. Open-flame soldering

	buccal margin	lingual margin	mesial margin	distal margin
①	0.04	0.03	0.06	0.07
3 本 ②	0.03	0.03	0.07	0.07
bridge ③	0.04	0.04	0.05	0.06
平均	0.04	0.03	0.06	0.07
①	0.10	0.09	0.15	0.13
5 本 ②	0.12	0.08	0.16	0.12
bridge ③	0.08	0.13	0.20	0.12
平均	0.10	0.10	0.17	0.12

(本 實驗의 測定은 4 名의 檢査者가 각기 單獨的으로 2 番씩 個個 平均値를 算出한 것임)

