



dental auto-mallet

<https://mhc.andornot.com/en/permalink/artifact13403>

Accession Number: 010020281 a-k

Collection: [Dr. Ralph and Mrs. Olga Crawford Canadian Dental Collection](#)

Category: [Diagnostic & Treatment Artifacts](#)

Classification: [Dental](#)

MeSH Heading: [Dental Instruments](#)
[MM= Dentistry, Operative -- mallet](#)

Description: McKenzie automatic amalgam condenser; clear rectangular plastic holder (a) with spaces for handpiece, condenser points; silver metal handpiece (b) with specially-designed black metal latch over tip; concentric ridged circles along bottom half, before cylindrical handpiece curves at a slight angle, ending with a round opening; six silver metal condenser points fit into handpiece; one with curved end (c), one with oval end (d), one with flaring round, flat end (e), one with rounded, circular end (f), two with flat, round ends (g, h); two cylindrical driving cams (i, j) hold points in handpiece; white rectangular instruction sheet (k), printed with black ink on one side, states product's advantages, parts and directions

Number Of Parts: 11

Part Names: a - holder - Size: Length 9.3 cm x Width 3.1 cm x Depth 0.9 cm
b - handpiece - Size: Length 8.2 cm x Width 1.5 cm x Depth 1.0 cm
c - condenser point - Size: Length 1.7 cm x Width 0.4 cm x Depth 0.2 cm
d - condenser point - Size: Length 1.7 cm x Width 0.3 cm x Depth 0.2 cm
e - condenser point - Size: Length 1.7 cm x Diam. 0.3 cm
f - condenser point - Size: Length 1.7 cm x Diam. 0.2 cm
g - condenser point - Size: Length 1.7 cm x Diam. 0.2 cm
h - condenser point - Size: Length 1.7 cm x Diam. 0.2 cm
i - cam - Size: Length 0.5 cm x Diam. 0.2 cm
j - cam - Size: Length 0.5 cm x Diam. 0.2 cm
k - sheet - Size: Length 27.9 cm x Width 9.2 cm x Depth 0.1 cm

Provenance: Transfer from the Dental Canada Fund; previously housed in the Dentistry Canada Museum (Ottawa)

Maker: Facility Products

Site Made (City): [Miami](#)

Site Made (State): [Florida](#)

Site Made (Country): [United States of America](#)

Dates: 1943
1950
circa 1943-1950

Date Remarks: Based on patent date

Material: metal: silver, black
plastic: clear
paper: white
ink: black

Inscriptions: (b) Engraved near bottom: "THE DENTAL SPECIALTY MFG. CO"

Permanent Location: (a-j): Storage Room 0010
0010-B
(k): Storage Room 2005
2005-2-5 Box 22

Condition Remarks: Sheet (k) is worn at edges, folds; metal on (b) tarnished

Copy Type: Original

Reference Types: Person
Internet
JPG

Reference Comments: James G. Brass; "Free Patents Online" website
CD #1

Research Facts: Dr Ralph and Mrs Olga Crawford donated their extensive Canadian dental collection to the DCF to create the museum in 1997; further donations were received while Dr Crawford was Curator Emeritus at the Dental Canada Museum until its closure in 2008; this item was donated by Dr. James G. Brass from Comox, British Columbia; his father was a classmate of the inventor of this product, Olin G. McKenzie, at Northwestern University in the late 1930s; this item was patented in 1943; its primary objective was to provide a simple and efficient plugger construction which can be used in an ordinary drilling handpiece, specifically only with a change in the latch, not the handpiece itself

Images



