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KERR MANUFACTURING COMPANY

FORMERLY
KERR DENTAL MANUFACTURING CO.

MANUFACTURERS OF

KERR
REG. U. S. PAT. OFF.
PRODUCTS

DETROIT, MICH
U S A

JUNE 1946

No. 38

PLAINTIFF'S
EXHIBIT

KER-16

ESTABLISHED EIGHTEEN NINETY-ONE

KERR MANUFACTURING COMPANY

Formerly Kerr Dental Manufacturing Company

Patentees and Manufacturers of

Kerr Impression Compounds and Materials

Kerr Waxes

Kerr Cristobalite Investments

Kerr Casting Machines

Kerr Casting Equipment

Kerr Snow White Plasters

Kerr Stones

Kerr Pulp Canal Instruments

Kerr Mouth Mirrors

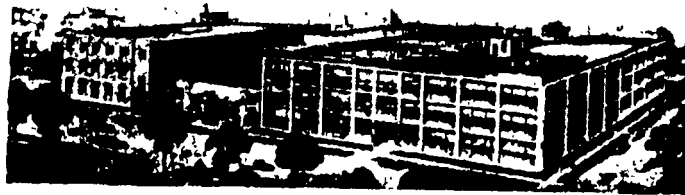
Equipment for Greene Method

of Impression Taking

and other

Kerr Dental Instruments

and Preparations



Composite Grouping of Kerr Mfg. Co. Factories

KERR MANUFACTURING CO.

6081-6095 Twelfth Street Detroit 8, Michigan, U.S.A.

JUNE 1946

No. 58

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KERR PERFECTION IMPRESSION COMPOUND CAKES

Guaranteed to meet the tentative specifications No. 3 of
the American Dental Association for Impression Compound

Cakes of convenient size for taking impressions of full or partial dentures.



Twenty-five years ago we prophesied that Kerr Perfection Impression Compound would eventually supplant plaster in Prosthetic Dentistry, and our prophecy has come true.

The use of our compound is gaining adherents every day, who are thoroughly satisfied that it is everything we claim.

Kerr Perfection Impression Compound is superior to plaster for many reasons. An impression once taken in plaster cannot be changed. There is no way known to successfully re-work plaster.

This compound can be re-heated, changed and adjusted to any conditions.

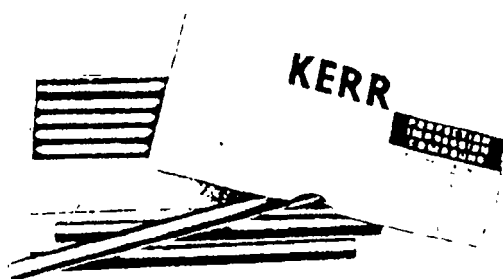
The great advantage in using Kerr Perfection Impression Compound is that the trimming of impressions is accomplished, not with a knife but by the use of the muscles of the mouth. The impression thus conforms faithfully to actual conditions under which the plate will be worn.

This compound softens in clear water at a temperature of 132 degrees F., also softens with dry heat. It will not warp or creep, hardens rapidly when cooled with cold water and when hard is inflexible. When soft, it conforms freely to the movable muscles of the mouth, enabling them to trim the impression and yet press with valve-like tightness, giving relief without leak.

KERR PERFECTION IMPRESSION COMPOUND STICKS

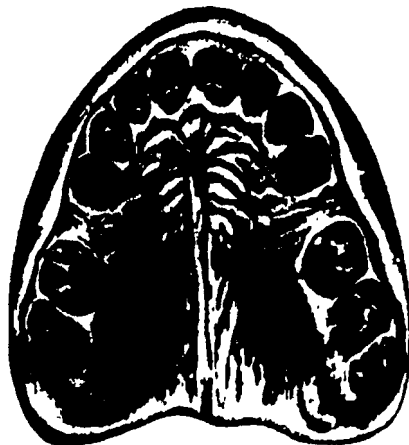
Guaranteed to meet the tentative specifications No. 3 of
the American Dental Association for Impression Compound

Sticks for tracing or adding to the edge of an impression and for the indirect method of cast inlay work.



No. 1

KERR PERFECTION IMPRESSION COMPOUND



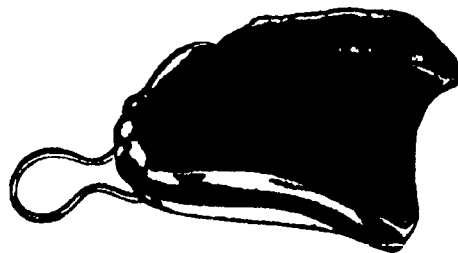
An impression made with Kerr Perfection Impression Compound. Note clear, sharp impression.



Thumb Prints

These two thumb prints illustrate clearly the perfect recording qualities of this Compound. Every line shows distinctly.

Kerr Perfection Impression Compound does not creep or warp.



This impression illustrates the correct method of impression taking with Kerr Perfection Impression Compound and is introduced here to show the muscle-trimming which is possible when this compound is used.

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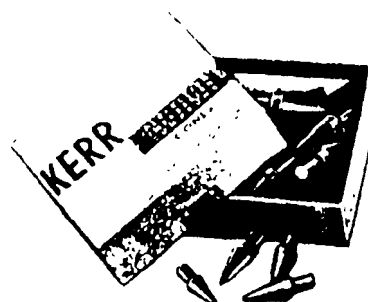


KERR PERFECTION IMPRESSION COM- POUND WAFERS

Wafer form is more convenient
when a small piece is wanted
or for refitting plates

KERR PERFECTION IMPRESSION COMPOUND CONES

Cones for taking impressions of cavities
for cast inlays by the indirect method.
Made in small, medium, large and as-
sorted.



KERR GREY IMPRESSION COMPOUND

Working temperature 128° F. to 130° F.

Supplied in Cake and Stick Form

GREENE BROTHERS' PRINTED COURSE IN PLATE WORK

Copyrighted, July 12, 1910

The first book on new and Advance-Test Methods in
impressions using Kerr Perfection Impression Com-
pound; also Articulation, Occlusion, Rootless Dentures,
Refits and Renewals.

This printed course of 220 pages, by the late Dr. J.
W. Greene, offers more actual help and more common-
sense information about practical plate work than has
ever before been presented in book form.

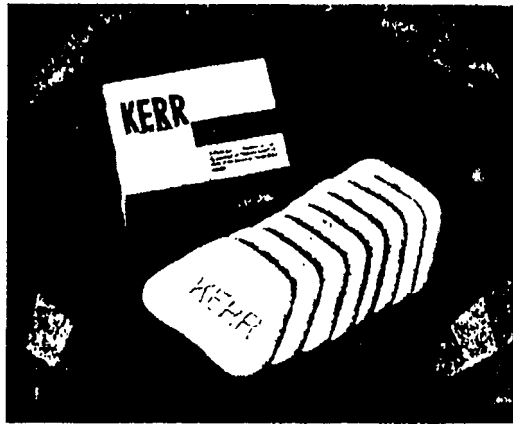
A book written from a practical standpoint, is full of
unique methods and useful information gathered from
years of successful experience as a plate worker.



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KERR WHITE IMPRESSION COMPOUND CAKES

Guaranteed to Meet the Tentative Specifications No. 3 of the American Dental Association for Impression Compound



Kerr White Impression Compound has a working temperature of 132° F. to 135° F., which is about the same as the regular Kerr Perfection Impression Compound, and has similar working qualities. The attractive white color in connection with its smooth working qualities makes it a desirable material to use.

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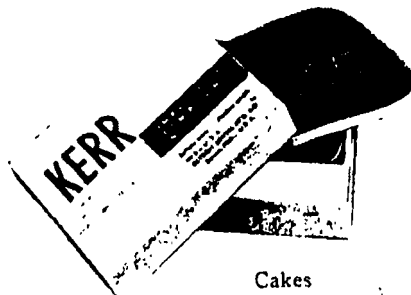
KERR WHITE IMPRESSION COMPOUND STICKS

Kerr White Impression Compound Tracing Sticks are of the same material as the regular White Cakes and have the same working qualities.



KERR IMPRESSION COMPOUND NO. 2

Guaranteed to Meet the Tentative Specifications No. 3 of the American Dental Association for Impression Compound



Cakes

a lower working temperature is necessary and will harden rapidly in the mouth and chill below 80° F. Will not become sticky at working temperatures.

No. 2, Soft, Green Impression Compound Cakes and Sticks has a working temperature of 122° F. to 126° F., which is a lower heat than the regular Kerr Perfection Impression Compound, but has similar working qualities. Convenient where



Tracing Sticks

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White Impression Compound has a temperature of 135° F., about the same as the regular Kerr Perfection Impression Compound, and has working qualities that are attractive in connection with its smooth qualities makes a valuable material.



2

pression Compound

White Impression Compound has a temperature of 122° F., lower heat than the regular Kerr Perfection Impression Compound, but has similar working qualities where

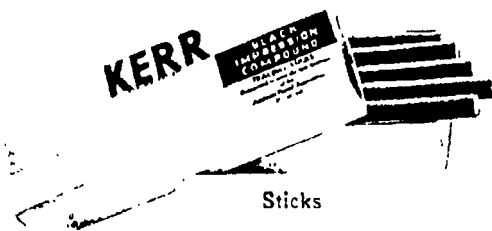


ing Sticks

KERR BLACK IMPRESSION TRAY COMPOUND

Guaranteed to Meet the Tentative Specifications No. 3 of the American Dental Association for Impression Compound.

Kerr Black Impression Tray Compound has a working temperature of approximately 135 degrees F., and has similar working qualities as the regular Kerr Perfection Impression Compound. It is used primarily for compound impression trays. Supplied in stick form for tracing, adding to an impression and also for the indirect method of cast inlay work.

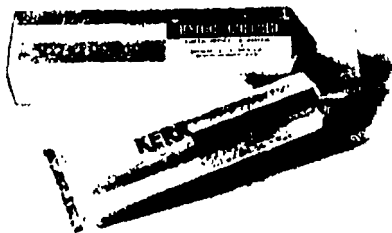


Sticks



Cakes

KERR HYDRO-COLLOID



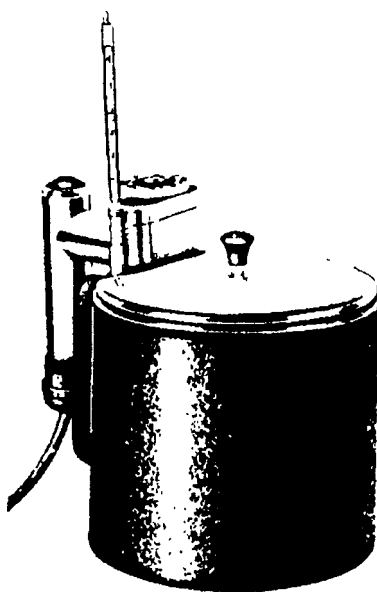
This extremely elastic, volume constant impression material was developed through careful research, employing the most modern testing machines, and chemical methods. It is easy to use, and its rapid cooling properties eliminate much of former bothersome chilling. It enables you to take impressions of seemingly impossible undercuts with ease. It contains no bothersome fibers. The amazing elasticity of Kerr Hydro-colloid makes impression taking a pleasure.

KERR HYDRO-COLLOID CARTRIDGES

Small cartridges for use with hypodermic syringe for fixed bridge-work technique. Put up in jars holding 25 cartridges, size 2 3/8" long x 1/4" diameter.

KERR MARKING PASTE

A transfer medium used to indicate high spots in dentures, and for marking post-dam areas, also for indicating any pressure areas either in finished denture or the impression. Easily applied.



THE KERR COMPOUND HEATER

Every impression material is formulated to give best results at a certain precise temperature.

When this temperature is uniform throughout the material, precision results are virtually sure.

Impression materials that are overheated become sticky or lose body and cause discomfort for the patient. Impression materials that are underheated fail to register major and minor detail.

Regt
No.
in Pink

SPECIFICATIONS

DIMENSIONS: 5½ inches high by 6 inches wide.

DESIGN: Original by Kerr Engineering Dept. Different and better.

OUTER SHELL: Composition Enameled black, crinkle finish. Holds heat; saves current.

INNER PAN: 4¼ inches deep by 5¼ inches diameter. Enameled. Holds 2 qts. of water. Fits snugly into outer shell.

HEATING ELEMENT: Immersion type. Integral with handle. Placed to heat entire body of water uniformly and rapidly. Thermostat directly controlled by temperature of water.

THERMOSTATIC CONTROL: Accurate and positive at any setting from 100° to 212°.

PILOT LIGHT: Shows red in top of handle whenever current is on.

THERMOMETER: Included for checking only. Mercury type, armored, magnifying lens for easy reading.

CURRENT CONSUMPTION: To keep water at 130° for a full hour, current is on for only two minutes.

PLATFORM: Reversible to accommodate Compound and Hydro-Colloid at most efficient points of submergence.

LIFTER: Included. Permits compound to be submerged or lifted without discomfort.

COVER: Self draining. Returns condensed steam automatically.

HEATING RATE: From room temperature to 130° in 5¼ minutes. Clean water for each patient without time loss.

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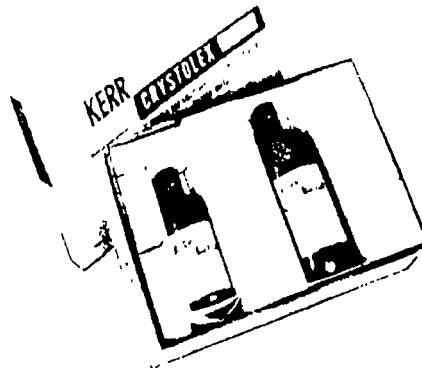
without dis-

Clean water

KERR CRYSTOLEX Regular and Formula 102

Regular—Mixing time 1 to 2 minutes. Working time 3 to 5 minutes.

No. 102—Mixing time 3 to 5 minutes. Working time 15 to 30 minutes. Supplied in Pink or Clear.



Crystolex, the Original Powder and Liquid Acrylic, first introduced in 1938, has an enviable record. Constant research and accurately controlled production methods have resulted in a uniformly high quality product.

A co-polymer of Methyl-Methacrylate and Ethyl-Acrylate, it is all acrylic. Its purity and accuracy are guaranteed.

KERR MICROFILM

Used sparingly—it should be lightly brushed on—this new Kerr Microfilm now becomes a potential blessing to every dentist and dental laboratory.

Your wax patterns will come away easily and cleanly from any surface that has been lightly treated with Kerr Microfilm. And no staining or contamination of the wax! Kerr Microfilm will not affect wax or a wax pattern in any harmful way.

Apply Microfilm sparingly to inlay dies, porcelain or acrylic teeth when preparing boxings and all other surfaces used to shape wax. Try Microfilm where other lubricants have failed.

Put up in 3 oz. and 1 quart and one gallon containers.



KERR DENTURE SORTEC

Applied to the denture it indicates clearly and precisely high spots, pressure areas, and over-extended borders.

Easy to apply and remove.



KERR IMPRESSION PASTE



Kerr Impression Paste is intended for use in conjunction with Kerr Perfection Impression Compound for the taking of original impressions, for immediate denture service, for temporary rebasing, and as a wash in saddle areas of partial dentures.

Kerr Impression Paste is conveniently supplied in two tubes containing the separate ingredients of the paste. In addition the package contains a special Kerr Mixing Pad to eliminate the use and cleaning of a glass mixing slab.

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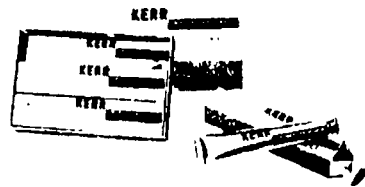
KERR IMPRESSION PASTE SPATULA

This Stainless Steel Spatula is specially designed for mixing Kerr Impression Paste, the blade being of suitable shape and flexibility. Length of blade 3 1/2".

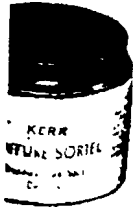


STAINLESS STEEL

KERR IMPRESSION PLASTIC



A thermo-plastic corrective wash for full and partial denture impressions and rebasing. Remains soft at body temperature. It can be quickly hardened by chilling with cold water.



is intended for
Kerr Perfection
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FR CONCENTRATED X-RAY SOLUTIONS

Distributed by the Kerr Manufacturing Company

Because your diagnosis depends on the accuracy and clarity of your X-rays, your first safeguard must be FR Concentrated X-Ray Solutions.

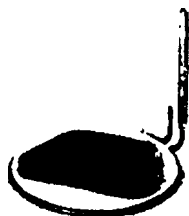
The first of the concentrated liquids, they were introduced more than ten years ago.

Safe, swift, sure are your results every time with FR Concentrated Liquid X-Ray Developer and FR Concentrated Acid Fixer. Easily prepared, stable in all climates, their constant quality and versatility have made and kept them America's leading X-ray solutions, year in, year out.

KERR SOFT SHEET METAL

For use in connection with the Giffen Trays and other purposes. Can be adapted by swagging or burnishing in extreme cases and partials.

The metal supplied is 22 ga. and 2 1/4" wide.

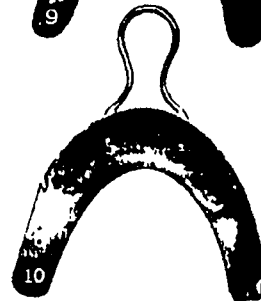
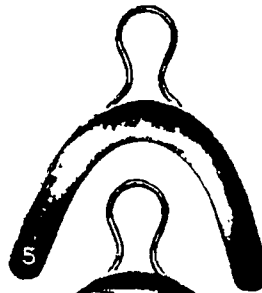
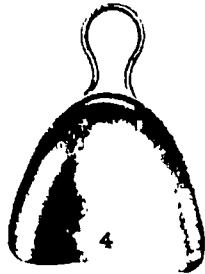
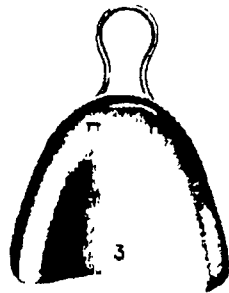
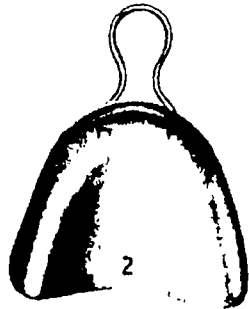
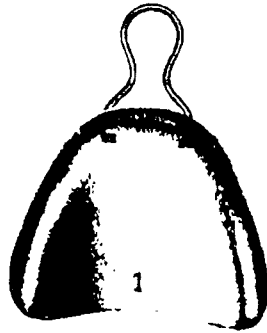


KERR COMPOUND LIFTER

Provided with spring to hold napkin in place over metal disk when softening compound in warm water.

GREENE-KERR FLEXIBLE IMPRESSION AND BITE TRAYS WITH REMOVABLE HANDLES

As Used in Dr. Greene's Test Methods of Taking Impressions
Patented March 14, 1911. Patented Feb 9, 1915.



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GREENE-KERR FLEXIBLE IMPRESSION AND BITE TRAYS WITH REMOVABLE HANDLES



Showing side view of Tray



Showing an upper and lower tray in test-bite with modeling compound impressions



Showing Removable Handle

These trays are made of thin flexible metal lower in rim, shorter in length and shallower than the finished plate is to be, so that when taking an impression the metal does not strain on the lip and cheek tissues or back palate.

They are so shaped that they require a minimum amount of change. This change can be readily made by trimming or bending.

The handle can be quickly removed so that it does not interfere in muscle trimming and in showing how impression fills out the lips and cheeks.

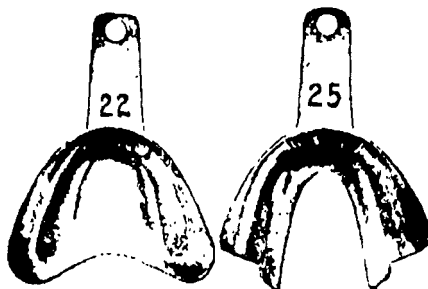
They are specially designed for taking impressions with Kerr Perfection Impression Compound by the Greene System.

KERR UNIVERSAL BRIDGE TRAY

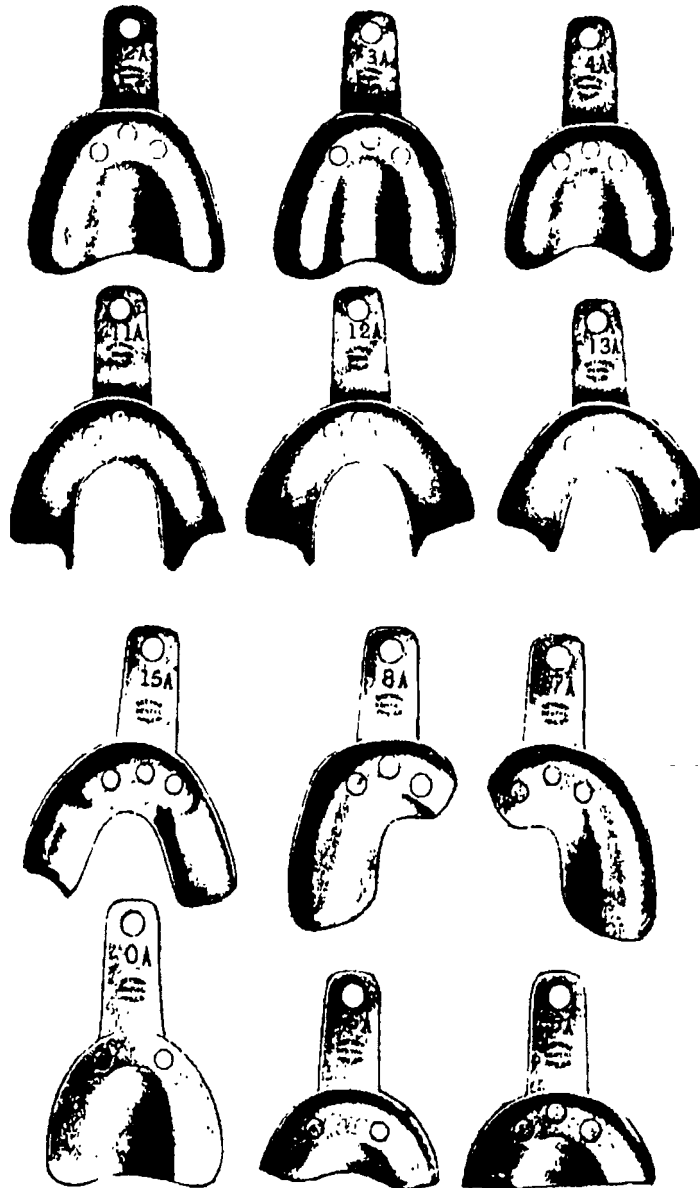
This is made to revolve on the handle so that it can be adjusted to any angle. The swinging feature makes it universal as one will reach every part of the mouth for which a tray of this kind is required.



KERR FLEXIBLE ALUMINUM IMPRESSION TRAYS



Designed Specially for Orthodontia Work

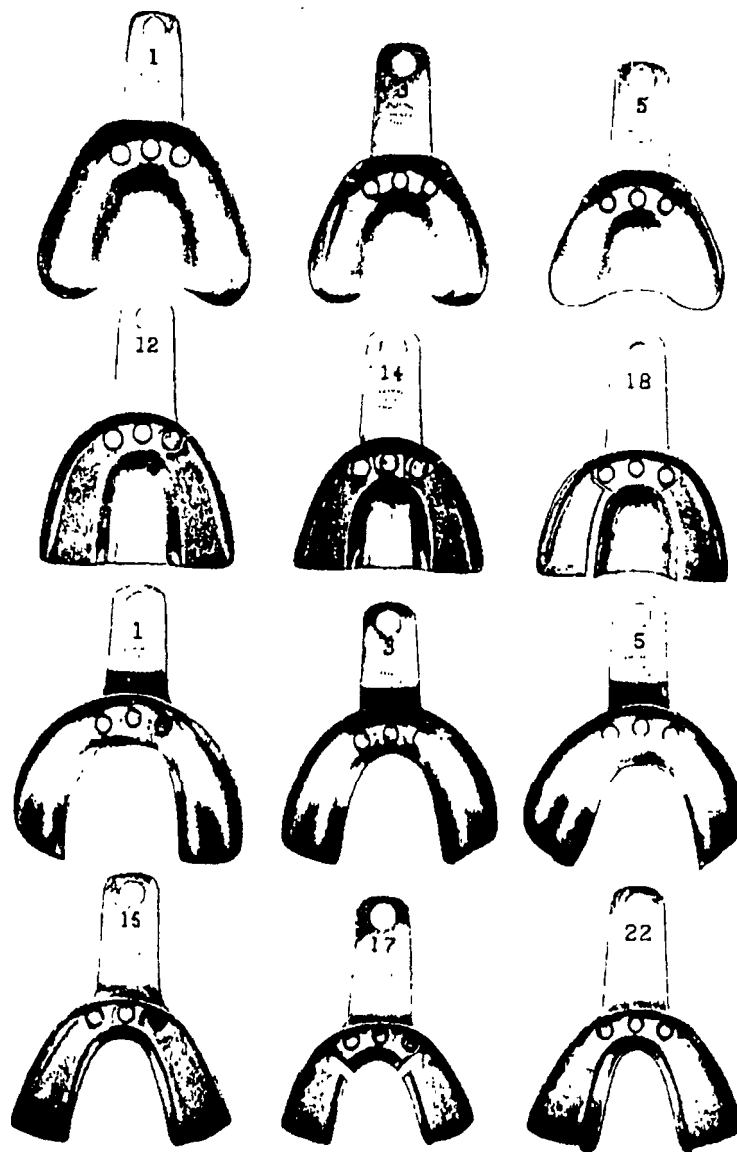
KERR FLEXIBLE ALUMINUM IMPRESSION TRAYS

They bend easily with hand pressure, can be adjusted to different widths, and their shape permits partial as well as full case impressions to be taken. Bottom is squared and the flanges are made extra deep.

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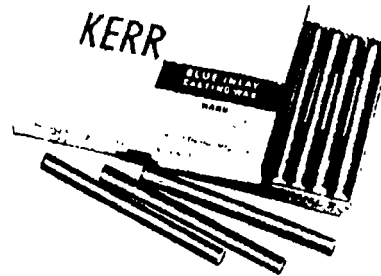
KERR FLEXIBLE ALUMINUM IMPRESSION TRAYS



To use these trays with the greatest degree of satisfaction, they should be heated over a flame and a little wax rubbed over it. This causes the plaster to adhere strongly to it. The removal of the plaster is accomplished by heating the tray. While warm, wipe off with a cloth. They are substantially made and can be trimmed with shears to suit any difficult case.

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Bottom is

KERR BLUE INLAY CASTING WAX—HARD

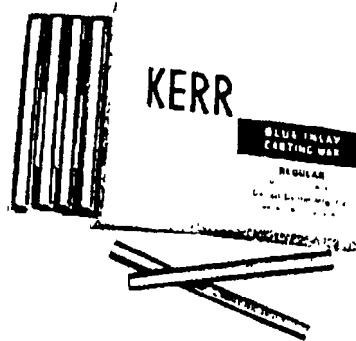


Guaranteed to meet the tentative specifications No. 4 of the American Dental Association for Inlay Waxes.

Kerr Blue Inlay Wax (Hard) is rigid at body temperature (99° F.—37.5° C.) and yet softens at but a few degrees higher. These properties combine to make an accurate wax for direct inlay work as it will not distort in the mouth, and still is extremely easy to manipulate because of its low softening point.

It is a Hard Wax that becomes very plastic on heating and remains homogeneous; does not crumble; can be built up; and carves easily without chipping or flaking. Can be softened over a flame or in warm water and holds the heat. Supplied in stick form and also in wedges and pyramids.

Note: Also made in Green Sticks.



KERR BLUE INLAY CASTING WAX—REGULAR

The well known Kerr Blue Inlay Wax (Regular) has the same excellent working and carving qualities as the Hard Blue Wax but softens at a slightly lower temperature.

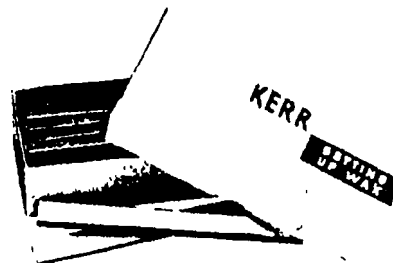
KERR IVORY INLAY CASTING WAX (For Acrylic Inlays)

A colorless inlay wax for waxing up acrylic crowns, inlays and bridges. Made in Hard and Regular with qualities same as the well-known Kerr Blue Inlay Casting Wax.

KERR SETTING UP WAX

A special wax for use in setting up and adjusting the teeth on the Base Plate or Try in Plate.

Put up in sticks of convenient size but if a thicker stick is desired, the sides of two can be warmed and stuck together.



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KERR SHEET CASTING WAX



Thin, flexible sheets for use in casting full dentures, saddles and other large castings.

For wrapping impressions in the indirect method and other purposes.

Made in seven thicknesses — 32, 30, 28, 26, 24, 22 and 20 gauge or assorted gauges. Supplied in pink color.

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KERR SOFT SHEET CASTING WAX — GREEN

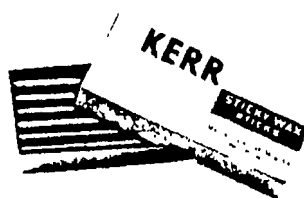
A soft sheet wax requiring no heat. Stays put even on damp models. Especially useful in cold weather. Made in six thicknesses—30, 28, 26, 24, 22 and 20 gauge.



NLAY AX R

ne Inlay Wax
cellent work-
as the Hard
slightly lower

KERR STICKY WAX



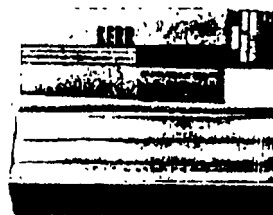
Especially prepared for Crown and Bridge Work, Casting, etc., where a real sticky wax is wanted.

Sticky Wax can be used in casting, burns out clean and leaves no residue. It is a tough, flexible Sticky Wax, that adheres, stays where put, and does not shrink on cooling, therefore no danger of pulling your abutments out of shape, the cause of a great many bridges not going to place in finished work.

A Sticky Wax that is especially adapted for bridge work where removing of bridges and abutments is desired before investing, thereby retaining your model for future reference and proving your case prior to trying it in the mouth.

KERR SPRUE GUN WAX RODS

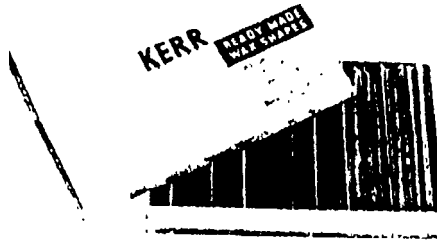
A special wax rod for sprue guns, that will fit most standard makes. Saves time in filling gun and avoids waste of wax. The quality of this Sprue Gun Wax is of the same type as Kerr Sheet Casting Wax. It is flexible, tough, and easily adapted to model. It softens at a fairly low temperature, thereby avoiding extreme heating of gun



KERR READY MADE WAX SHAPES

Clasps, bars, sprues, etc., ready formed of soft, clean, blue colored wax. Speeds up and simplifies waxing.

Supplied in individual packages in round 8, 10, 12, 14, 16, 18 and 20 gauges, and half round 6, 8, 10, 12, and 14 gauges, also 6 ga. half pear shape.



Assorted Package



Individual Package



KERR WAX UP WAX

A convenient form of casting wax, especially prepared for free-hand waxing of partial denture designs.

KERR UTILITY WAX

Suggestion of DR. F. E. ROACH

A wax that is plastic at room temperature with adhesive qualities for building up purposes. A wax for general utility purposes, also used wherever counter or carding wax is indicated.



Stick Form



Sheet Form

KERR GREEN CASTING WAX RODS

(for the Ney Die Plate)

This wax is dead soft and when it is used to form various shapes in the die plate, the resulting forms will be pliable, tough, and tacky at room temperatures. They are easily attached and adapted to any investment model without the use of heat.

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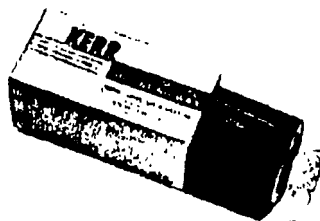
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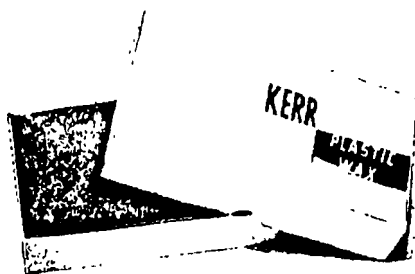


This wax for use with Kerr Surveyor and Designer.

KERR PLASTIC MODEL MOUNTING WAX



This wax for use with Kerr Surveyor and Designer.



KERR PLASTIC WAX

A soft Plastic Wax for general use, where a material of this nature is indicated.

KERR IMPRESSION WAX

Formula Suggested by COLLEGE OF DENTISTRY
State University of Iowa

Especially prepared for taking impressions of the full edentulous case. Has a high percentage of flow at body temperature, yet is sufficiently hard and rigid at ordinary room temperature to resist warpage and change of detail.

Is applied to the compound or vulcanite tray. The body temperature is sufficient to cause the wax to flow readily, to copy detail and to register muscle and tissue attachments.

For such a rapidly flowing wax, it has good body and will resist warpage to a marked degree.

Note: Also made in Sticks.



KERR KORECTA WAX

A wax wash for full and partial denture work. Supplied in four degrees of hardness so that impression can be built up with a hard base, finishing off with softest grade for fine detail and extreme accuracy. Useful wherever wax impression techniques are employed in denture work.



KERR CRISTOBALITE INVESTMENTS

Patent No. 1,932,202

Maximum Expansion at Minimum Temperature

Guaranteed to Meet Tentative Specifications No. 2 of the
American Dental Association for Inlay Investments.

These investments are unique, due to the fact that they contain Cristobalite instead of Quartz which is used in all other investments. Cristobalite has sufficient thermal expansion as low as 600 degrees Fahr. to compensate for the shrinkage of gold. Cristobalite, due to its crystalline form, produces exceptionally smooth castings.



INLAY



MODEL

Kerr Cristobalite Inlay Investment has sufficient thermal expansion to compensate shrinkage of the gold. Castings made with it fit the cavity without the use of complicated techniques or equipment. A putty or thick mix is not required. The consistency of thick cream is right for the mix of Cristobalite Inlay Investment. Almost any wax eliminator can be used. It is ideal for all inlay, crown, and bridge casting, for it combines accuracy and simplicity of technique in one investment.

Kerr Cristobalite Model Investment is extremely hard, and will stand all normal strains such as waxing up, articulating teeth, etc., without danger of breaking or roughening surface. It is easy to mix, a soft putty consistency being all that is required. After casting, this investment is remarkably easy to clean from the gold, so there is little danger of bending or springing the casting while cleaning it up. Most important of all, the castings fit. Clasps go over the abutment teeth without force. No grinding is necessary before teeth are cemented. As a result, a great deal of the ordinary finishing work is eliminated—practically all that is necessary is polishing. This investment is ideal for models for one piece casting, for the secondary and outer investment

Note: Kerr Cristobalite Inlay Investment is supplied in 3½ lb. and 10 lb. cans, also 35 lb. and 100 lb. drums net. Asbestos included in each container. Cristobalite Model Investment is supplied in 4¼ lb. and 12 lb. cans, also 35 lb. and 110 lb. drums net.



The Kerr
Cristobalite Inlay
Technique

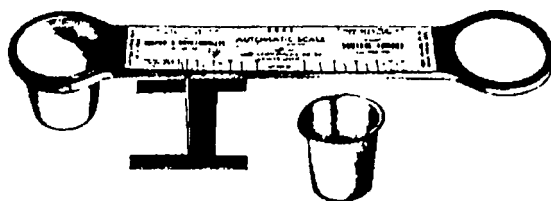
KERR CONTROL POWDER



Kerr Control Powder is used in the Phillips Control Technique. It is added to Kerr Cristobalite Inlay Investment to change the expansion of the investment to any desired amount necessary in practice. As a result custom built castings are easily obtained. Just the right amount of expansion for the particular case under the conditions prevailing at the time of investing is always available. The technique is extremely simple to follow. Supplied in 4½ lb. and 12 lb. cans, also 35 lb. and 110 lb. drums net. Asbestos included in each can.

KERR AUTOMATIC SCALE

Dr. David W. Phillips' Patent Pending



The Kerr Automatic Scale is used to properly proportion the Kerr Cristobalite Inlay Investment and the Kerr Control Powder when using the Phillips Technique. The desired degree of expansion is easily obtained without variation.

KERR INVESTMENT MIXER

Patent No. 1753121

FOR ALL INVESTMENTS



A mechanical Mixer of simple construction for spatulating Investments. It will facilitate a thorough saturation of powder with the water, thereby producing an even and smooth mix free from bubbles.

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KERR CONTROL POWDER

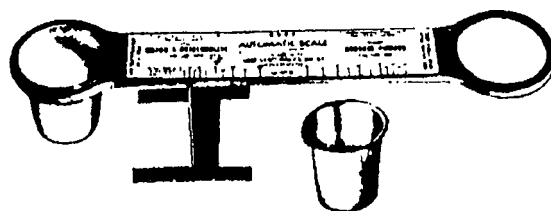


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KERR AUTOMATIC SCALE

Dr. David W. Phillips' Patent Pending



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KERR INVESTMENT MIXER

Patent No. 1751121

FOR ALL INVESTMENTS

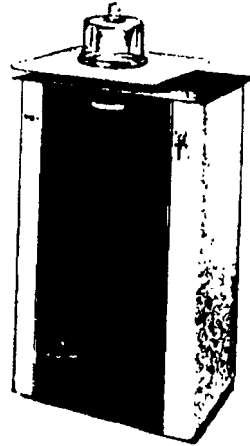


A mechanical Mixer of simple construction for spatulating Investments. It will facilitate a thorough saturation of powder with the water, thereby producing an even and smooth mix free from bubbles.

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KERR VACUUMATIC

No matter how thoroughly you may mix your investment, plaster or stone, it is seldom if ever free from occasional bubbles of air. These bubbles often leave corresponding flaws on what would otherwise have been a satisfactory surface.



That the use of vacuum will soon become general throughout dentistry and dental technology is a prediction unhesitatingly made by leading authorities.

The new Kerr Vacuumatic is available to dentists and dental laboratories in a complete beautifully finished cabinet. Or it can be purchased, without cabinet, for installation in your laboratory bench.

In either case you will command a modern device which will insure the smoothness and fit of every restoration.

Just place your mixing bowl with completed mix on the Vacuumatic. Cover it with the bell jar. Start the Kerr Vacuumatic and let it run for not more than 15 seconds. The rubber mat forms a perfect seal.

Then go ahead with your work in absolute confidence that no bubble will mar the perfection of your restoration's smooth surface.

SPECIFICATIONS

DIMENSIONS: 24" wide x 18" deep x 37 $\frac{3}{4}$ " high.

CABINET: Formed sheet steel with rounded corners on welded channel base. Handsomely finished in two-tone lacquer. Formed panel door. Inverted louvers on back panel insure proper circulation of air around pump.

JOGGLE PLATE: Steel 18" x 18". Spring-suspended and locked on by elastic stop nuts. Vacuum inlet brazed on. Soft, rubber sheet included to seal bell jar. Cone type valve for positive seal.

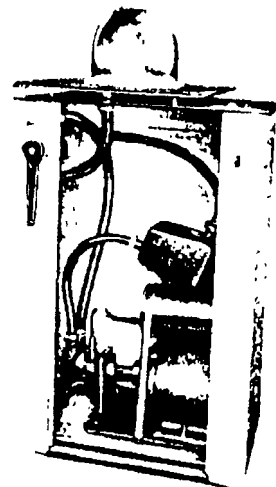
POWER: Electric motor, 110 volt AC or DC, 1/2 H.P. Motor and pump mounted on rubber to eliminate vibration.

PUMP: High speed rotary type with developed bore for full, rapid vacuum. Nitrlon blades inside nitro-cast iron sleeve. Oil air separator included. Capacity, 15 cu. ft. of free air displacement per minute to create 29.6 vacuum in 5 seconds inside 8" x 5" bell jar.

OIL RESERVOIR: Capacity, one gallon. Visible gauge.

HOSE: Neoprene for oil resistance.

CONNECTION: Standard 110 volt outlet. Cord and plug supplied.



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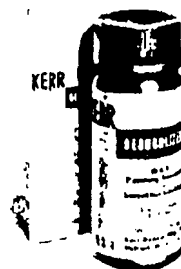
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KERR DEBUBBLIZER

Kerr Debubbler is a surface-tension reducer and temperature-controlling agent. Investment will flow uniformly and smoothly to all portions of the wax pattern. Temperature-controlling agent prevents excessive temperature rise while investment sets, eliminating danger of distortion and bubbles.



KERR DENTAL LUBRICANT

Facilitates the removal of wax patterns from amalgam dies or from teeth, preventing breakage or distortion.

May be used in the mouth.

One-half fluid ounce in bottle.

KERR INLAY PAINTING BRUSH

A high grade Sable Brush, designed especially for painting wax patterns with Investment. Can also be used for other purposes.

KERR STRIP ASBESTOS

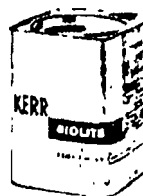
For use with Kerr Cristobalite Inlay Investment



Kerr Strip Asbestos, $\frac{1}{16}$ " thick x $1\frac{1}{4}$ " wide, for use with Kerr Cristobalite Inlay Investment, is supplied in packages of small (12 ft.), medium (34 ft.), and large (100 ft.)

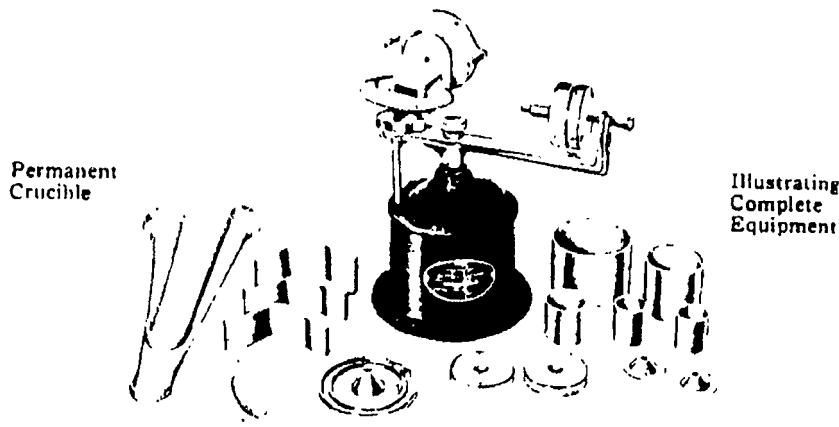
KERR DIOLITE

For Indirect Inlay Dies. Initial set 15 minutes. Final set 20 minutes. Supplied in cans containing approximately $1\frac{1}{4}$ pounds, also 13 pounds.



KERR CENTRIFICO CASTING MACHINE

Gardner Patents

Ker
(Sta)

In order to obtain the soundest castings and the most consistent results from centrifugal force, it must be properly applied and controlled. The Kerr Centrifico Casting Machine applies this type of force properly in controlled amounts. It is motivated by an oversize steel spring in the base.

It utilizes a secondary arm pivoted to the main arm. This secondary arm carries the flask, keeping it in line with the casting force, as that force changes from inertia at the start to centrifugal. As a result the metal travels in a straight line directly into the mold; extremely dense castings are produced, the gold will not spill, and failures due to the casting machine are eliminated. The machine is automatically operated, compact, and well constructed.

Due to a unique system of cradles in the permanent crucible type, the flasks are attached to the arm in a moment; this does away with the tightening of bolts, clips, springs or catches, and eliminates danger of burned fingers and loss of heat from the mold. The flasks are automatically centered with the permanent fire-clay crucible, which will hold sufficient gold for any size casting without spilling. The crucible is light in construction, so that it does not draw the heat from the gold.

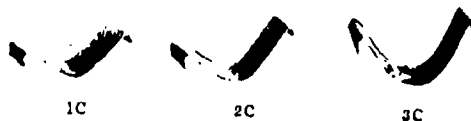
The Kerr Centrifico Casting Machine fulfills every requirement. It is an efficient casting machine, which will give long service and pay big dividends in satisfactory dense, uniform and consistent castings. It provides an important link in modernizing the laboratory and enables the user to get full value from the space occupied by that laboratory.



For use in c



Kerr Cradles
(Stainless Steel)



Designed for holding and centering flasks with the crucible.
They are numbered to correspond with the flasks.

Illustrating
Complete
Equipment



Kerr Flask No. 1C
For Inlays, Brass — Seamless. 1 1/2" inside diameter.



Kerr Flask No. 3C
For Partials, Stainless Steel — Seamless. 2 1/2" inside diameter.



Kerr Flask No. 2C
For Saddle and Bridges, Stainless Steel — Seamless. 1 3/4" inside diameter.



Kerr Flask No. 4C
For Full Plates, Stainless Steel — Seamless. 3 1/4" inside diameter.



Kerr Crucible Former No. 1C
For use with Kerr Flasks Nos. 1C and 2C.



Extra Weights
For use with Kerr Flasks Nos. 3C and 4C.



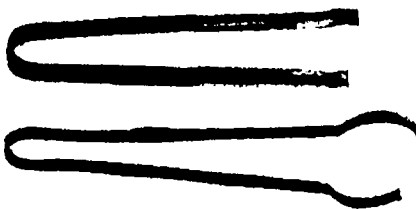
Kerr Crucible Former Plate No. 2C
For use with Kerr Flasks Nos. 2C, 3C and 4C.

Sprue Pins
One plug, 14-gauge Sprue Pins for Inlays.

Kerr Clay Crucibles
Made in two sizes, small and large. One of each supplied with each machine.

Kerr Asbestos Liners

For use in crucible when melting the gold. Supplied in packages of 12.



Kerr Tongs

These tongs are supplied as regular equipment with every Kerr Centrifugal Casting Machine.

Small size, length 11 1/2 in., for use with Flasks Nos. 1C and 2C.
Large size, length 14 1/2 in., for use with Kerr Flasks Nos. 3C and 4C.

KERR DUPLICATING FLASKS



New clever design allows rapid cooling.
Made in two sizes, small and large.

Small size, approx. 4 1/4 x 3 x 1 1/4 inches.
Large size, approx. 5 1/4 x 3 3/4 x 2 inches.

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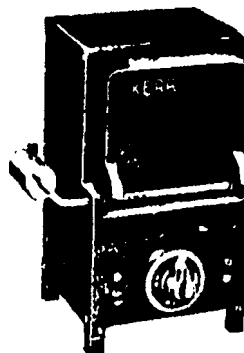
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KERR INLAY FURNACE (ELECTRIC)

The Kerr Inlay Furnace will produce temperatures from 800 to 2000 degrees Fahrenheit. It heats rapidly to any temperature in that range. The heating element is large and has a long life. The furnace is low in price and comes complete with a pair of Kerr Inlay Tongs. Operated on 110 volts either A.C. or D.C. current.



KERR COMPRESSED AIR CASTING MACHINE

T. A. MIXON

(Patented Oct. 6, 1925)

The following equipment is furnished with each machine: 2 only Adapters; 3 only extra Asbestos Packings; 3 only No. 1 Flasks; 1 only each Nos. 2, 4 and 5 Flasks; 1 only each Nos. 1, 2 and 3 Sprue Formers; 1 dozen each Sprue Pins Nos. 16 and 18 gauges.

Flask No. 1

Inlay Flask—Brass—Size: $1\frac{1}{2}$ " deep by $1\frac{1}{4}$ " diameter, $\frac{1}{8}$ " wall.

Flask No. 2

Saddle and Bridge Flask—Brass—Size: $2\frac{1}{4}$ " deep by $1\frac{1}{2}$ " diameter, $\frac{1}{8}$ " wall.

Flask No. 4

Partial and Small Plate Flask, one piece, gray iron, nickel dipped—Size: $3\frac{3}{4}$ " deep by $1\frac{1}{2}$ " by $2\frac{1}{4}$ ". For vertical casting.

Flask No. 5

Full Plate Flask, one piece, gray iron, nickel dipped—Size: $3\frac{3}{4}$ " deep by $1\frac{1}{2}$ " by $3\frac{1}{2}$ ". For vertical casting.

Crucible Former No. 1

For use with Flask No. 1. To be used for Inlays, etc.

Crucible Former No. 2

For use with Flask Nos. 1 and 2 for multiple Sprues. To be used for Inlays, Saddles, etc.

Crucible Former No. 3

For use with Nos. 4 and 5 large Flasks only.

Kerr Sprue Pins

For use in casting inlays with air pressure machine. Supplied in either 16 gauge or 18 gauge.



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KERR HYDRO-VAC

Patent No. 1986761

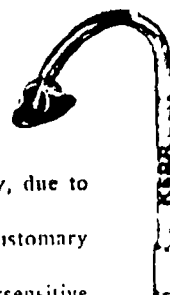
SALIVA EJECTOR AND WATER REMOVER

The Kerr Hydro-Vac will quickly remove large quantities of water or saliva, and due to the self-adjusting boat shape shield it is comfortable to the patient for it cannot dig into or draw the sensitive mouth tissue. It will not clog.

It permits of adequate chilling of impression materials, for the chilling water is removed easily and quickly, due to its extra large opening.

Cleaning is simplified, and it may be sterilized in the customary manner.

It is unbreakable, and may be used on children, hypersensitive patients, or when working under general anesthesia. It will remain bright. It is supplied in two sizes No. 1 (Large) and No. 2 (Small), and a saving is effected in price if several are purchased at one time.



KERR GERMILETOL



Germiletol is a scientifically developed preparation containing the essential properties specifically required for antiseptic lubrication without corrosion of all Angle Attachments, Handpieces, Forceps, Pliers, etc.

Contra Angles and Right Angles must be constantly lubricated to render efficient service and for sanitary reasons should be treated with Germiletol after each patient.

Germiletol properly used will solve the Angle problem for the dentist. Angles will run freely, with less danger of harboring germs, until worn out or ready for replacement parts.

Put up in 2 1/2 oz. and 6 oz. bottles
and 16 oz. cans.

KERR PLASTERS FOR MODELS AND IMPRESSIONS

A high grade plaster, Snow White in color, unexcelled for hardness and purity. The uniformity of its quality can always be depended upon.

Plasters No. 1 and No. 2 are the same in every respect, except that the setting time is much faster in the Impression Plaster No. 2.



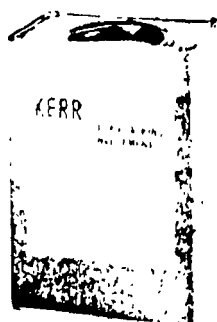
Being ground specially fine enables this plaster to copy the finest lines in taking impressions and also causes it to set very dense and hard, giving a smooth, white surface when used for models.



**Kerr Snow White Plaster
No. 1**

**Kerr Snow White Impression
Plaster No. 2 (Plain or Flavored)**

Plaster No. 1 is supplied in 10 lb. cans, 35-lb. drums, net, and 100-lb. drums, Gr. Plaster No. 2 is supplied in 10 lb. cans, 35-lb. drums, net, and 100 lb. drums, Gr.



**Kerr Foilex Flasking Investment
(for boiling water technique only)**

Foilex is recommended as a flasking material for all dentures.

Due to its extremely low setting expansion, the teeth are held firmly in place without the slightest shifting, assuring greater accuracy.

It is easy to de-flask and to remove from the cured denture.

Foilex Flasking Investment is put up in 10 lb. cans, 35 lb. drums, net, and 100 lb. drums, net.

Plaster No. 4 is put up in 10 lb. cans, 35 lb. drums, net, and 100 lb. drums, net.



**Kerr Snow White Extra Hard
Model Plaster No. 4**

A Snow White Plaster specially developed for producing accurate models of extreme hardness, density, and strength.

Highly desirable for vulcanite or synthetic resin dentures, study models and orthodontia work. Reproduces the finest lines and surfaces.

**Kerr Hard Dental Laboratory Plaster
For General Laboratory Uses**

A superior grade of Dental Laboratory Plaster specially prepared and recommended for its extra strength, hardness and density.

Kerr Hard Dental Laboratory Plaster is put up in 200-lb., net, bbls.



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Very well made Spatula, for the heavier, Investo

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KERR RAPID-STONE



A rapid setting stone that is mixed only slightly thicker than plaster, thick enough to have sufficient body to build up but not so stiff that it is difficult to manipulate.

It is an ideal stone due to its accuracy, strength, ease of mixing, and rapid setting. It has a dry crushing strength of 8,000 - 10,000 lbs. per square inch and less than 1/10 per cent expansion.

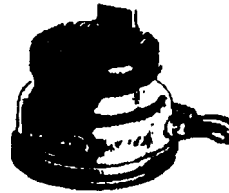
Unexcelled for use with vulcanite and all acrylic and resin denture materials wherever dental casts of extreme hardness, strength and density are required; also for flasking.

Put up in 5-lb., 14-lb. cans, 35-lb. drums, net, and 100 lb. drums, gross.

KERR E-Z-FLO VIBRATOR

Patent No. 1,986,038

The Kerr E-Z-Flo Vibrator is heavy enough for all work in the laboratory and dental office, yet the vibration is easily controlled by the operator down to a feather-lightness that will not endanger the most delicate impression or pattern. Operates only on 50 to 60 cycle alternating current. Absence of many moving parts contributes to the long life of this well-built vibrator.



KERR LABORATORY SPATULAS

Very rigid, strong, and well made Stainless Steel Spatula, especially adapted for the heavy mixes of Plaster, Investments and Stone.



STAINLESS STEEL

Made in two sizes—No. 1 and No. 2.

No. 1—Size of blade $7\frac{1}{8}'' \times 3\frac{1}{8}''$ x approx. $1/16''$ thick.
No. 2—Size of blade $7\frac{1}{8}'' \times 3''$ x approx. $1/16''$ thick.

KERR SNOW WHITE PLASTER ACCELERATOR



Kerr Accelerator will accurately time and control the proper set of Kerr Snow White Plaster. Put up in powder form, which when dissolved in water, will make stock solution. Various stock solutions can be made up by following directions as to proper quantities of powder and water.

KERR RAPID CUTTING ABRASIVE PASTE



Used in improving the occlusion and articulation of artificial teeth.

Used in cavity or crown and bridge abutment preparations with mounted stones, the abrasive hastening the grinding while the carborundum point acts as a carrier.

Used on the surface of a stone to prevent heating, thus insuring rapid cutting with less pain.

Easily applied, greaseless, stays where put; readily washed off with cold water.

KERR SUPER-SEP

(Separating Fluid)

This new separating fluid leaves no film, dries immediately, and is non-inflammable. Any Plaster, Stone or Investment may be poured against it immediately after application. Put up in 2¼-ounce and 7¼-ounce.



KERR GLOSSY GLAZ

Reg. U. S. Pat. Off.

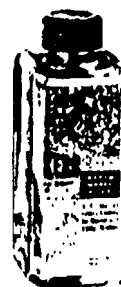
A substitute for tinfoil and cellophane in denture work. A model preservative and protector.

Put up in 2¼, 7¼, and 32-ounce bottles.

KERR RAPID MODEL GLAZ

A protective glossy coating for Master and Study Models. If used on damp investment models wax will adhere to it. This materially speeds up waxing. Burns out, leaving no residue. Will not cause fins.

Put up in 2¼ and 32 ounce bottles.



KERR



Put up in
32 oz.
Pints and
Full Do.

KERR CONE SOCKET AND PLAIN STEM HANDLES

Cone Socket



50C Brass
Chromium
Plated



7 Brass
Chromium
Plated



8 Brass
Chromium
Plated

No. 40 or Plain Stem



16 Brass
Chromium
Plated



16C Brass
Chromium
Plated



Put up in 1 oz. and
3 1/2 oz. bottles,
Pints and Gallons
Full Directions

KERR TRI-CHLOR

A Highly Efficient Chlorine Solution

This Chlorine Solution has been compounded with great care in order to embody the requirements of a solution for both the Medical and Dental Profession.

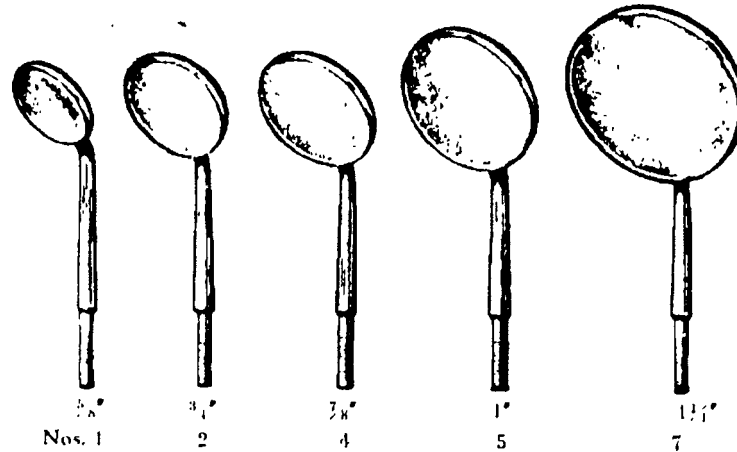
Properties: Non-Toxic, Non Acid, Non-Coagulant, Non-Irritant, Antiseptic, Deodorant, Neutralizes Toxins, Pus and Necrosed Tissue Solvent, Relieves Inflammation, Stimulates Healthy Tissue Repair.

Uses for the Dental Profession: Highly recommended for the treatment of Pyorrhea, Pus Pockets, Inflammations, Root Canal and Apical Abscesses, Sealing and Extractions, Aseptic Cavity Preparations, and the Cleansing of Removable Artificial Dentures, Bridges, etc.

KERR MIRRORS

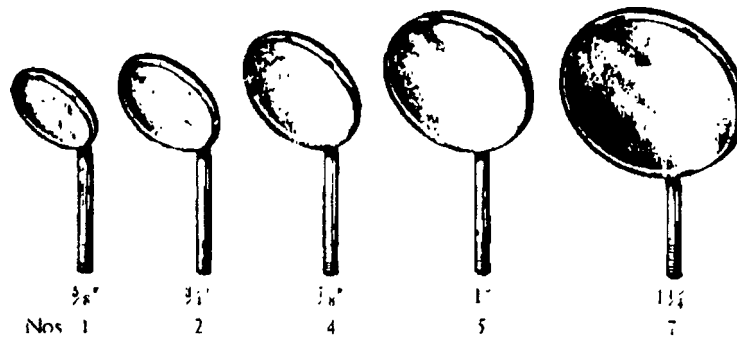
BOILABLE

NO



Chromium Plated

Cone Socket Mouth Mirrors—Plane and Magnifying



Chromium Plated

No. 40, or Plain Style Stem—Plane and Magnifying

We make a line of mouth mirrors that can be sterilized by boiling. The mirror back is water tight, preventing any leakage. We make all mirror backs of heavy brass. They are chromium plated and the glass used is of a very hard, brilliant quality, exceptionally well polished. These mirrors are made in the following sizes, both plane and magnifying: $\frac{3}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, 1 and $1\frac{1}{4}$ -inch.

No. 40, or plain stem style mouth mirror, is made with a thread to fit the ordinary mirror handle. Price same as Cone Socket.



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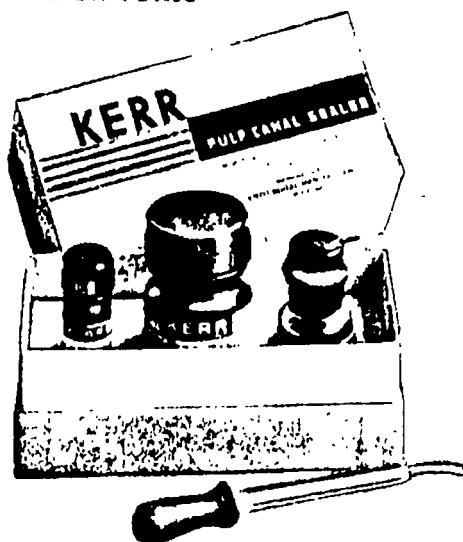
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KERR PULP CANAL SEALER

Formula and Technique of Dr. U. G. Rickert

NON-TOXIC

NON-IRRITANT



A Pulp Canal Sealer and Lining neither toxic nor irritant; of simple technique and tested formula.

When the material is mixed into a plastic state and placed in pulp canal, a Gutta-Percha Point is then forced into it through the Sealer, pressing it into all the irregularities.

It also will be found an excellent Pulp Capper when used on nearly exposed pulps where it has been impossible to remove involved dentine.

ACRYLIC TRIMMERS

The new Kerr Acrylic Trimmers save from 25% to 50% in denture finishing time because of these features:

Quick Cutting

The trimmers cut, rather than grind. Cutting is faster.

Non-Scratching

Trimmers cut smoothly without scratching. No scratches mean easier polishing.

Self-Cleaning

Whorl design gives automatic cleaning and no clogging.

Cool Cutting

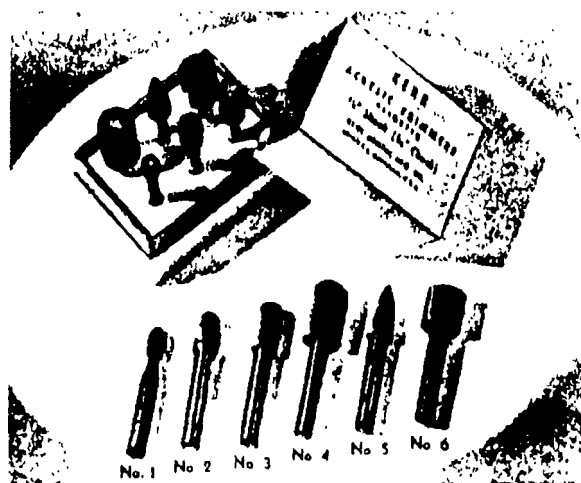
Clean sharp cutting edges mean less friction, less heat, greater efficiency.

Convenient

Six shapes and sizes meant easy trimming and finishing of any denture surface.

Long-Lasting

High speed steel specially treated for extreme hardness and durable sharpness means long life.



Kerr Acrylic Trimmers will "pay for themselves" quickly. They will save time—save money. Ask your dealer for them.

*Kerr Acrylic Trimmers are available in two shank sizes— $\frac{1}{8}$ -inch, and $\frac{1}{4}$ -inch for Dee chucks.

KERR PULP CANAL FILES

Patented June 24, 1919.



Enlarged Reproduction of File.



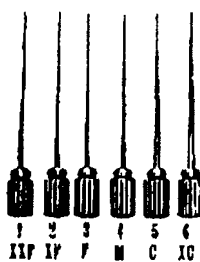
Style A

This instrument is designed for opening up and getting into root canals. Even the most difficult cases can be successfully prepared with these files.

By starting in with the smaller sizes and using the other larger sizes in sequence, if necessary, giving them about a quarter or a half turn in the canal and directly withdrawing, will remove all debris and leave a smooth tapered hole free from shelves.

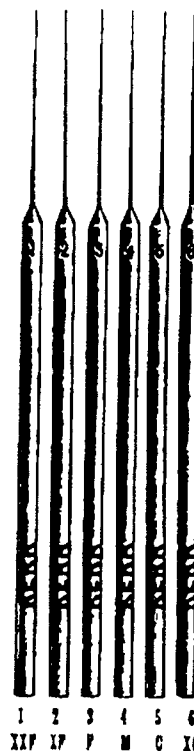
Style B has a groove cut in the knob so that a wire or thread may be attached. This will prevent the instrument getting away from the operator when used on a difficult case.

Made in three styles of six sizes each: No. 1 or XX fine to No. 6 or X coarse, as shown in the reproductions. Special No. 0, or XXX fine furnished on order.



Style B

Half dozen all one size or assorted from 1 to 6 in package.



Style D



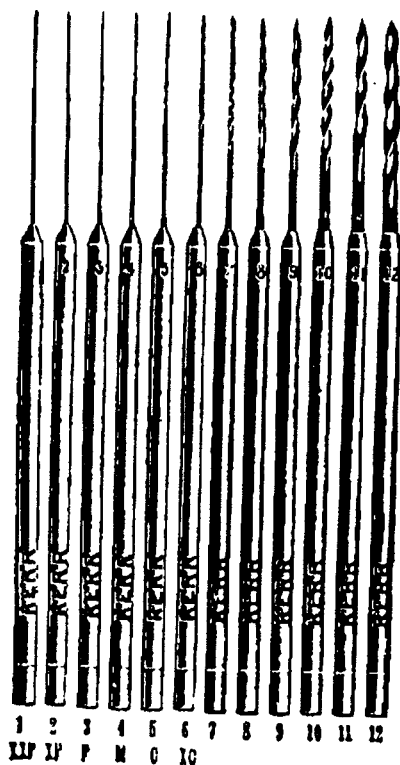
Note—It must be remembered, however, that, like any other steel file, its edges become dulled in time and care should be taken to always use a sharp instrument.



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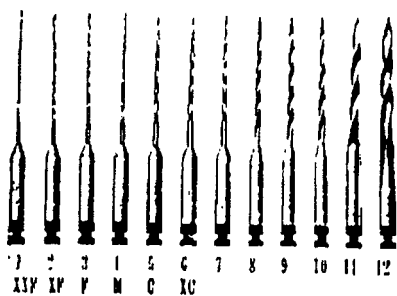
1 2 3 4 5 6 7 8 9 10 11 12
IXP IP F M C IC

Style D.



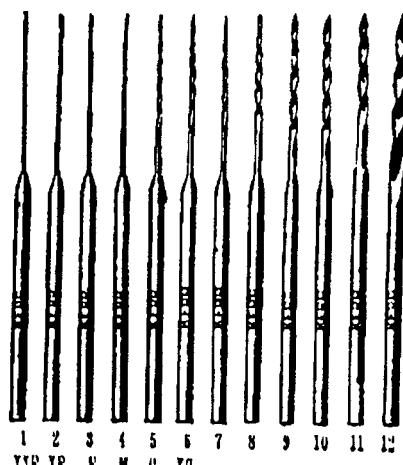
Illustrating use of Style A in
Kerr Wrench Holder

KERR PULP CANAL REAMERS



1 2 3 4 5 6 7 8 9 10 11 12
IXP IP F M C IC

No. 2 Right Angle



1 2 3 4 5 6 7 8 9 10 11 12
IXP IP F M C IC

No. 7 Hand Piece

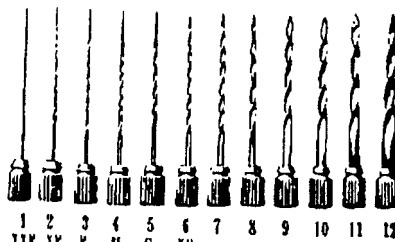
KERR PULP CANAL REAMERS



Style A



Enlarged Reproduction of Reamer.



Style B

The Kerr Reamers are slightly tapering spirals made from a very tough and very flexible steel.

They have a sharp cutting edge and cutting point. Made as hard as possible without being brittle, they retain their cutting edge for considerable period notwithstanding their use on the hardest dentine.

Ranging in size from XX fine to as large a size as could possibly be used for any purpose, thoroughly covers every requirement.

The sharp spiral shape gives the Kerr Reamers the most rapid cutting capacity known and having the necessary clearance, debris produced by an operation is brought to the surface, leaving a clean, smooth, tapering hole.

The Kerr Reamers are practically indispensable for opening and reaming out all Pulp Canals, particularly difficult canals in molar roots and especially those having putrescent pulps. The sharp cutting point, sharp spiral cutting edge, slight taper, very tough and flexible temper and uniform graduation of sizes makes it possible by starting, if necessary with the XX fine, then using the larger sizes in sequence to prepare the canal as desired.

For extracting nerves, Kerr Reamers are ideal. A reamer that completely fills the canal should be used, being revolved will cause the nerve to twine around the spiral and removing will bring the entire nerve away.

Being a spiral, cement or medicament may be carried to the apex of the root. Cement is introduced for filling by holding the reamer at the entrance to the canal and reversing it. This causes the cement to be forced to the apex.

When the cutting edge of a reamer is dulled and smooth, it may be used for carrying cotton for cleaning or medicating canals.

If a dull or round pointed reamer is required, it may be obtained by touching the point on a stone.

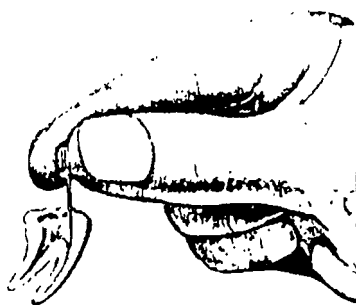
Style B is intended for use between the thumb and forefinger. It has a groove cut in the knob so that a wire or thread may be attached. This will prevent the reamer from getting away from the operator when being used on a difficult case.

The larger sizes are very useful for preparing canals for crown posts.

Made in twelve sizes graded from No. 1 or XX fine to No. 12, as shown in cuts.

Special No. 0 or XXX fine furnished on order.

Half dozen all one size or assorted from 1 to 6 or 7 to 12 in package.



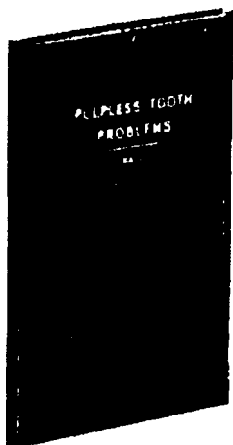
Illustrating use of Style B in Molar.

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PULPLESS TOOTH PROBLEMS

—by—

DR. EDOUARD M. HALL

The object of this book is to set forth plainly and in as simple a manner as possible the essential factors having to do with and constituting success in root canal work.

KERR PULP CANAL INSTRUMENT CASES

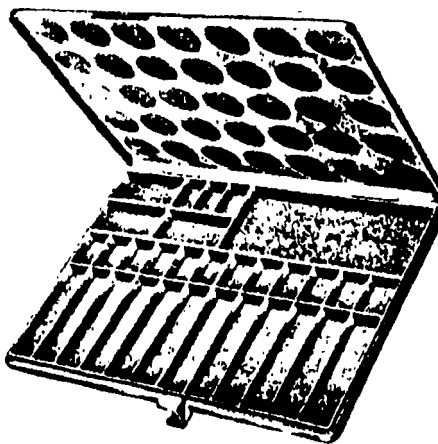
Suggested by Dr. Edouard M. Hall

The requirements in modern pulp canal operations necessitate that the operator have an abundant supply of instruments and materials to be used in the operation for quick and easy access, and in aseptic condition.

The case has a classified arrangement of trays with the idea of quick and easy access to the diversified instruments required, all of which, when put into the case in a sterile or aseptic condition, are kept in that state by the use of formaldehyde gas, provision for which has been made.

The trays are arranged to accommodate the necessary supply of all sizes of styles "B" and "D" Files, Reamers and Barbed Broaches when placed in the separate compartments, and also take care of other instruments and materials needed in an operation. Each tray can be removed from the case separately if desired.

It is an all aluminum case and can be sterilized by placing in oven if dry heat is preferred.

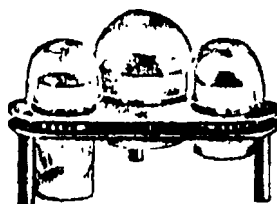


No. 2

KERR GLASS ALCOHOL STERILIZERS

Suggested by Dr. Edouard M. Hall

Chromium Plated



In the progress of doing a root canal operation, the operator often finds himself in need of some means of sterilizing instruments that have been used, before they can be used again.

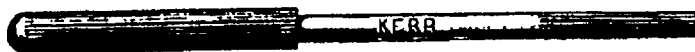
This alcohol sterilizer has for its purpose a means of keeping sterile and of re-sterilizing instruments that have been used so that they can be used over and over again in the same operation as long as their efficiency permits. Also of providing containers for alcohol to be used as a dip in the process of flaming instruments.

KERR MEASUREMENT WIRES

These are to supply the need for wires to be used as measurement wires in X-rays. Deformities are suggested in order that the operator may distinguish the different wires in the picture.

Sizes: Fine, Medium and Coarse.

KERR BROACH HOLDERS



No. 1



No. 2

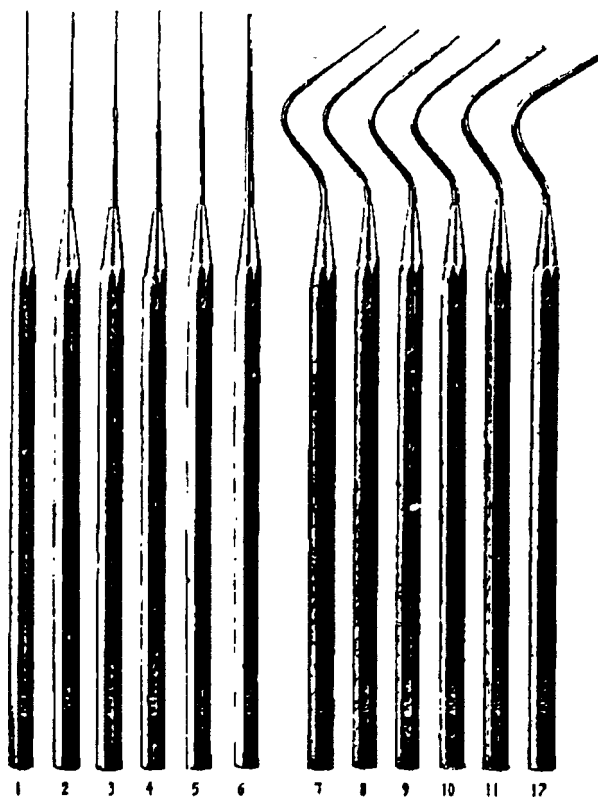
This Broach Holder is made on the principle of a bit chuck, and comes in three pieces, namely, the chuck, the nose and the handle. No. 1 is hollow throughout, and will carry a fine wire so that it may be used as dentometre.

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KERR PULP CANAL PLUGGERS



Especially designed with smooth plugger point and tough spring temper for use in carrying filling material into root canals.

Made in set of twelve assorted sizes, six sizes straight and six sizes contra angle.

Chromium Plated.



No. 2

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KERR GUTTA-PERCHA SPREADERS

Suggested by Dr. Edouard M. Hall

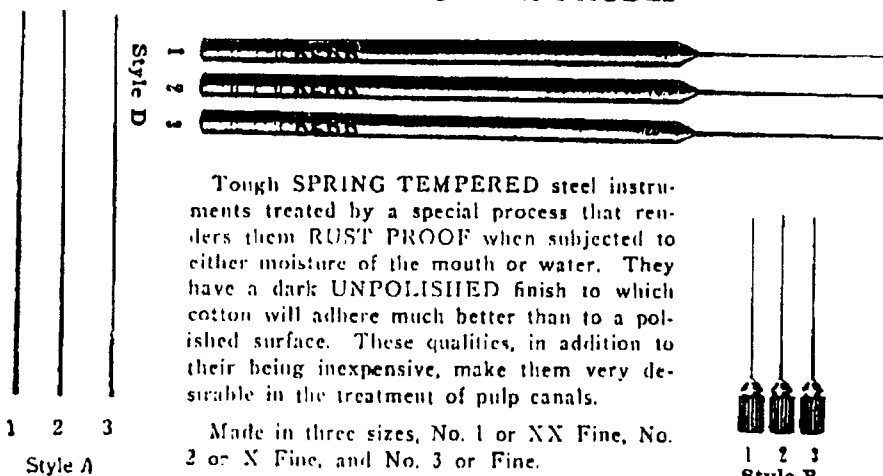
All pulp canals are not perfect cylinders in form. Many of them being oval or ovoid in shape to the extent that a round Gutta-Percha Point will not conform to the walls of the pulp canal. It is often times desirable to have some pointed instrument that can be pushed into the canal along the side of the gutta-percha contents and by an oscillating, rotary movement firmly press it against the side walls of the canal, leaving an opening into which another Gutta-Percha Point can be forced.

A series of three instruments are supplied with the idea of meeting that need



Chromium Plated

KERR PULP CANAL PROBES



Tough SPRING TEMPERED steel instruments treated by a special process that renders them RUST PROOF when subjected to either moisture of the mouth or water. They have a dark UNPOLISHED finish to which cotton will adhere much better than to a polished surface. These qualities, in addition to their being inexpensive, make them very desirable in the treatment of pulp canals.

Made in three sizes, No. 1 or XX Fine, No. 2 or X Fine, and No. 3 or Fine.



Style B

Printed in U.S.A.