

Film-Tech

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Brenkert

PROJECTORS & EFFECTIVE
LIGHTING DEVICES

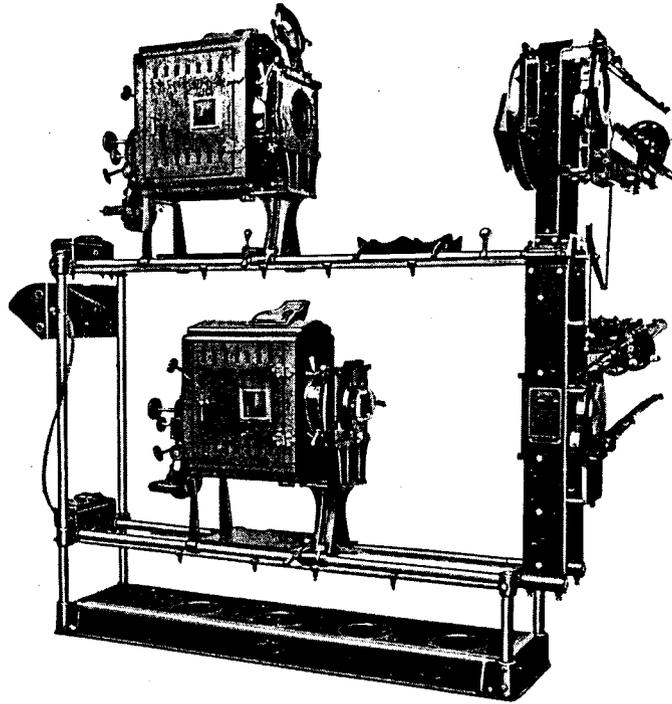
Catalogue No. 26

JANUARY 1929

Supersedes All Previous Issues

Brenkert

PROJECTORS & EFFECTIVE
LIGHTING ~ DEVICES



"F-7"

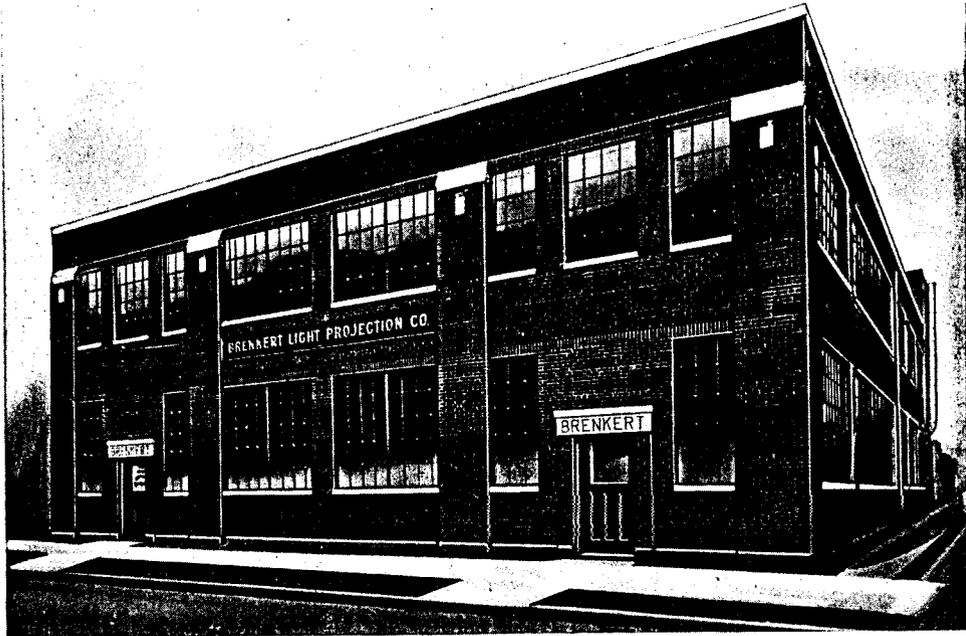
BRENKERT LIGHT PROJECTION CO.

Engineers and Manufacturers

St. Aubin at East Grand Boulevard

DETROIT, MICH.





The Brenkert Plant

AT Saint Aubin Avenue and Grand Boulevard in Detroit's most favorable manufacturing section. A modern factory built to suit Brenkert requirements with precision machinery equipment throughout.

Here Brenkert Projectors and Effective Lighting Devices are engineered and manufactured complete under the most efficient methods resulting in highest quality products and greatest values in the industry.



**PROJECTORS & EFFECTIVE
LIGHTING ~ DEVICES**

Include the

Brenkert F7 Master Brenograph
Brenkert animated and still scenic effects
Brenkert F6 dissolving slide projector, mirror arc type
Brenkert F6 dissolving slide projector, Mazda lamp type
Brenkert D2 dissolving slide projector, Mazda lamp type
Brenkert C14 high efficiency spot and flood lamp
Brenkert C3 spot and flood lamp, 75 ampere arc type
Brenkert Colorograph
Brenkert incandescent spot and flood lamps, 250 to 2000 watt.
Brenkert incandescent flood lamps, 500 to 1000 watt
Brenkert color wheels, color frames, color boxes
Brenkert iris and framing shutters
Brenkert accessories pertaining to the successful operation of above equipments.

for use in

Theatres, Public Auditoriums, Colleges, Schools, Lodges, Churches and for
effective lighting in
Show Windows, Show Room Displays, Convention Halls, Dance Halls, Etc.

The fact that Brenkert equipment is in use today in the majority of motion picture theatres in this country and a large number of the vaudeville, opera houses and non-theatrical fields, is the best proof of their superior design and high grade construction.

All our equipment bears the name "Brenkert" stamped or cast on the metal parts and is guaranteed by us free from defective material or inferior workmanship and to pass inspection of the National Board of Fire Underwriters. We further guarantee all Brenkert equipment to be exactly as represented and to render complete satisfaction when used for the purpose recommended by us.

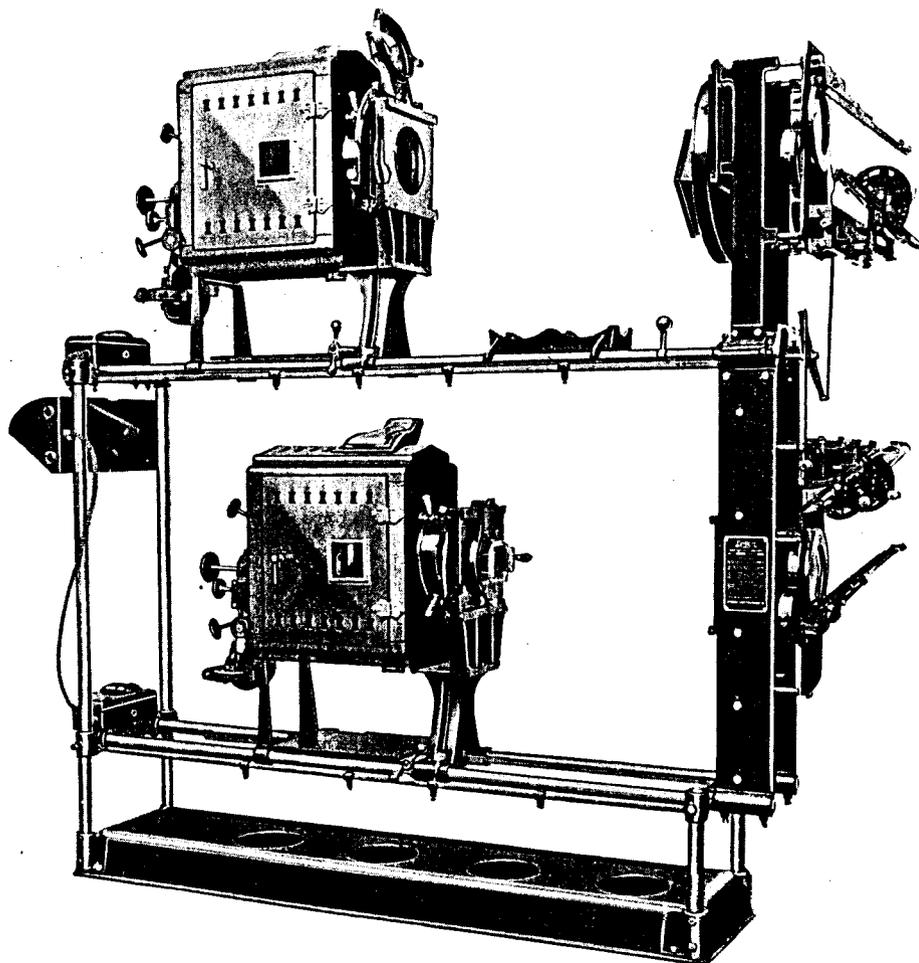
BRENKERT LIGHT PROJECTION CO.

Engineers and Manufacturers

DETROIT, MICHIGAN

The New Brenkert F7 Master Brenograph

FOR EVERY SIZE AND TYPE OF THEATRE



Projects Everything but the Motion Picture



Effect Lighting

as a setting for the motion picture

THE shrewd exhibitor is like the diamond merchant who realizes that the most precious jewel, uncut and unmounted, appears as worthless glass to the unknowing, but subjected to the skilful cutting operations of the lapidary and expertly mounted in a proper setting its sparkling beauty is revealed to fascinate all.

So with motion pictures. Even the best feature picture remains as mere celluloid until the action portrayed on its surface is skilfully unfolded on the screen, properly accompanied by good music against an ever changing background of effect lighting.

Effect lighting is to the picture what the mounting is to the precious stone; a setting which weaves the spell of enchantment throughout the entire program, bringing forth beautiful color effects to stir the senses of all and scenic effects to assist the illusion of realism created by the motion picture.

What a wealth of ideas are available. No need for duplication as one suggests another. An ever ending variety of the most entrancing lighting effects with every color and shade of the rainbow and every natural effect that can be photographed are obtained with the Master Brenograph which was especially created to enable every exhibitor to achieve enhancing, beautifying and alluring results for his theatre.

The projection of effects is not confined to the stage because the Master Brenograph is so flexible in operation that both of its powerful beams can be instantly trained to cover any object or surface within view of the projection room.

With the Master Brenograph moving and blending color lighting effects are projected in any shape or size with any light intensity desired on to the screen, stage curtains, stage settings, organ console, orchestra pit, proscenium arch or side walls of the auditorium. While moving

pictures are being shown will color light with dissolving colors the proscenim arch, the border of the picture screen or parts of the auditorium side walls, the titles of the feature picture or project stationary scenes onto a screen covering the entire stage opening while slides or short moving picture subjects are being shown or during organ or orchestral music, (either with or without such animated effects as moving clouds, running water, etc., projected onto the scene). Will floodlight any part of the stage or project perfect dissolving slides.

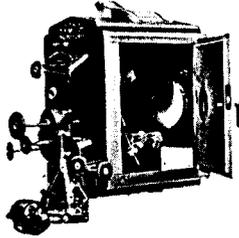
The Brenkert Master Brenograph is the result of our eight years' experience in building and using long distance projectors in theatres of all sizes with varied forms of entertainment and has required two years' constant work of Brenkert engineers to develop to its high state of perfection in combining the greatest flexibility of operation of every imaginable kind of scenic and color lighting effect of the present and those appearing on the horizon of the future.

For the small theatre with a limited amount of money to spend, the Master Brenograph is invaluable as it combines within a single equipment the functions of an unequaled effect projector, a spot and flood lamp, and a perfect dissolving slide projector.

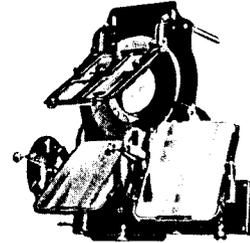
"PROJECTS EVERYTHING BUT THE PICTURE"



Details of Construction *Brenkert F7 Master Brenograph*



**Lamp House Assembly Showing
Automatic Arc Control, Light Dowsers,
Lamp House Ventilator**



**Iris Dissolving Shutter
and
Pre-set Projection Mirrors**

The Brenkert Master Brenograph is completely equipped with pre-set adjustments so that double settings on each unit of either effects or effects and slides are made at the beginning of the week's show and the operator can quickly change from one to the other and each will be perfectly framed, sharply focussed and properly directed before the dowsers are opened.

A set of two directional mirrors are attached to each upper and lower unit for independently directing the light beams and the complete equipment remains stationary and level thereby requiring less space in the projection room and but two small port openings in the projection room wall.

Four projection lenses of large diameter ranging in focus from 10-inch to 40-inch are mounted in a swivel assembly on each unit giving a wide range of picture sizes to choose from.

Upper and lower unit are focussed independent of each other by moving lamp house back and forth with the focussing gear and handle permitting use of different focus lenses on each unit at same time.

Pre-set framing shutters with individual control of each blade and swivel adjustment locked in desired position.

Pre-set iris shutters with lock screw.

Rapid operating iris dissolving shutters with conveniently located operating handle.

Light intensity independently controlled by iris dissolving shutters.

Automatic arc controls of proven Brenkert construction to each arc lamp.

High efficiency lens system so that ample illumination is obtained with 35 to 60 amperes at each arc lamp for projecting rich color effects.

Extreme flexibility of operation in every manner.

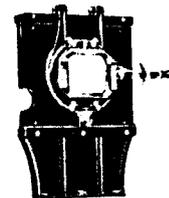
Perfect rigidity of entire equipment.

Ebony enamel with polished nickeled trimmings is standard finish.

“Projects Everything But The Picture”



**Large Diameter
Projection Lens
Assembly**



**Standard Slide Carrier
and
Effect-Holder Assembly**

Operating Manual For the Brenkert F7 Master Brenograph

We issue a 16 page manual covering the complete operation of the Brenkert F7 Master Brenograph. With the complete information given therein it is possible for any projectionist with the co-operation of the theatre management to obtain unlimited use of this projector. A copy of this manual will be sent free on request to any theatre owner, manager or projectionist. In writing please state name of theatre and whether owner, manager or projectionist.

SPECIFICATIONS AND PRICES BRENKERT F7 MASTER BRENOGRAPH

Catalog No. F-700—Complete equipment includes double type projector as illustrated equipped as follows:

Sixty ampere arc lamps with top and bottom carbon adjustments and rack and pinion focussing adjustment.

Brenkert built automatic arc controls with magnetic relay.

Sixty ampere fully enclosed switches.

Large diameter condensing lenses for greatest light efficiency.

Two pre-set framing shutters with individual control and swivel adjustment.

Two pre-set iris shutters with set screw.

Two iris dissolving shutters mounted directly in front of projection lenses with rapid control levers.

Swing-out slide carriers for standard size slides.

Effect holders in front of condensing lenses as well as in rear of projection lenses.

Four projection lenses to each unit, ranging in focus from 10-inch to 40-inch, mounted in index holders (for projecting effects to cover various size areas).

One heat resisting center blanking glass plate for border lighting slide or moving picture.

One blending color—effect with ten large glass design slides.

Twelve 8-inch by 9-inch metal slides with colored gelatines.

Two special stationary projection mirrors mounted in front of projection lenses.

Four special optical mirrors mounted in pairs on sliding carriages, one set below each stationary mirror pre-setting direction of light.

Movable slide tray.

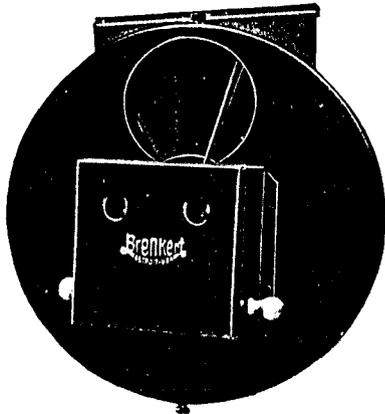
Rack and pinion focussing device on each unit for moving lamphouse back and forth to obtain a focus.

Heavy rectangular floor base with leveling screws.

Asbestos covered wire connections from switchboxes to arc lamps and arc controls.

Equipment complete as above described (no rheostats)\$875.00.

Catalog No. F701. Same as No. F700 above except with floor base and base tubes 14" shorter thereby reducing overall dimensions 14". (For installations where depth of projection room is not sufficient to accommodate the No. F700 equipment).....\$875.00
See chart of dimensions page 11.



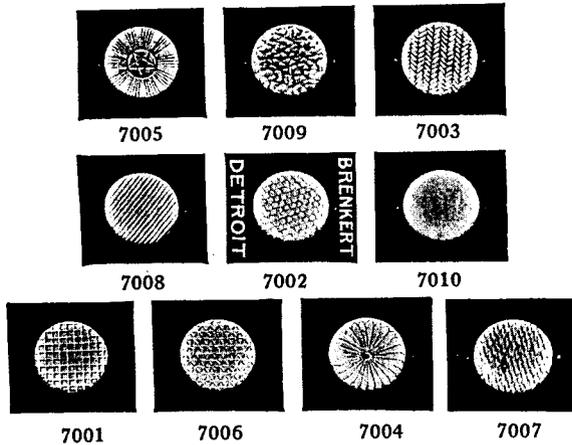
ACCESSORIES FOR USE WITH THE BRENKERT F7 MASTER BRENOGRAPH

Catalog No.

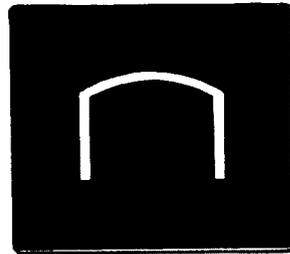
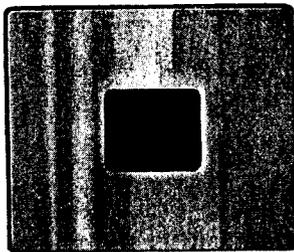
F720. Spring motor driven color wheel complete with gelatine colors enclosed in sheet steel casing. For producing blending colors effect on the F7 Master Brenograph.\$45.00

F721. Disc only with gelatine colors for use on the spring motor driven color wheel, ready to insert in casing \$9.50

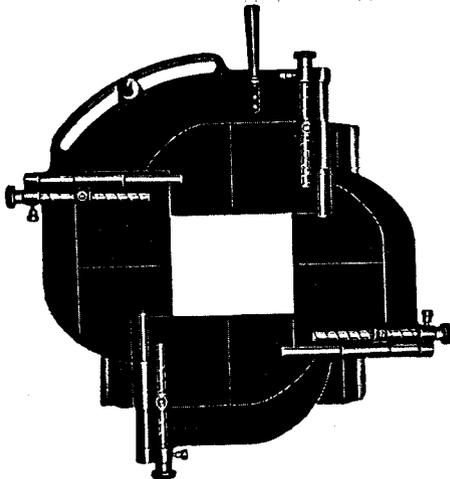
Accessories For Use With the Brenkert F7 Master Brenograph



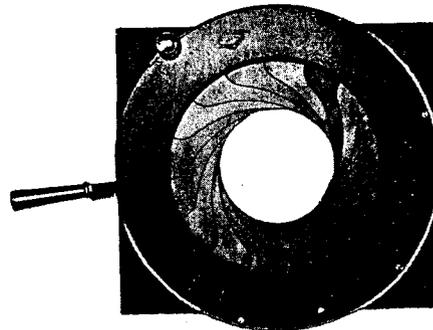
F722. Glass design slides, heat resisting, complete in sheet steel mounting for use with blending colors effect on the Brenkert F7 Master Brenograph or the Brenkert F3 combination effect projector. Specify designs desired by number as shown on illustrations. Each.....\$4.00



F723. Blanking mask for blanking out the light beam to cover special shapes such as the motion picture sheet, the proscenium arch, etc. Consists of special heat resisting glass 8" x 9" ground to size. (See part No. F732).....\$8.50

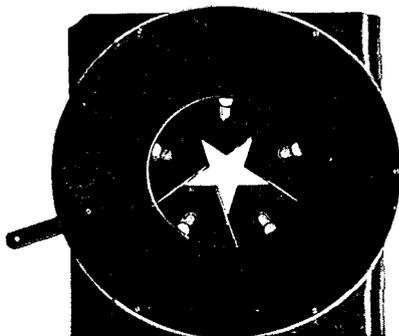


F724. Pre-set framing shutter with individual blade adjustments and swivel plate for use on the Brenkert F7 Master Brenograph. Complete as illustrated. Each...\$27.50



F725. Pre-set iris shutter for use on the Brenkert F7 Master Brenograph. Complete as illustrated. Each.....\$24.50

Accessories For Use With the Brenkert F7 Master Brenograph



F726. Brenkert five point adjustable star shutter with swivel base for use on the Brenkert F7 Master Brenograph. Complete as illustrated. Each. \$27.50

F727. Brenkert projection mirrors for use on the Brenkert F7 Master Brenograph. Complete in special shipping case with instructions as to care. Each.....\$8.50

NEW PART NUMBER
200674

F728. Heat resisting condensing lens 5½" diameter, used next to light source on the Brenkert F7 Master Brenograph. Each.....\$12.50

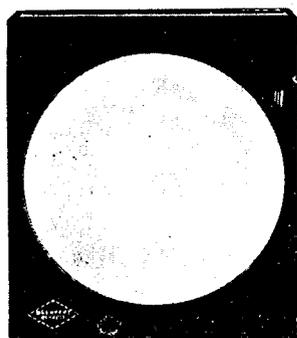
F728A. Heat resisting condensing lens 6" diameter, used next to effect holder on the Brenkert F7 Master Brenograph. Each.....\$10.50

F729. 4" diameter single achromatic unmounted projection lenses. In any focus from 10" to 30" in 1" steps used on the Brenkert F7 Master Brenograph. Each.....\$21.50

F730. 4" diameter, single glass bi-convex projection lens, 40" focus. Used on the Brenkert F7 Master Brenograph. Each.....\$3.75

F731. Cleaning brush for Master Brenograph projection mirrors. Each.....\$3.00

F732. Opaquing paint for blanking out special shaped masks on part No. F723 for use on the Brenkert F7 Master Brenograph. Per bottle.....\$2.00



C105. Brenkert 8" x 9" metal color slide for holding gelatine colors for use on the Brenkert F7 Master Brenograph. Each.....\$.45

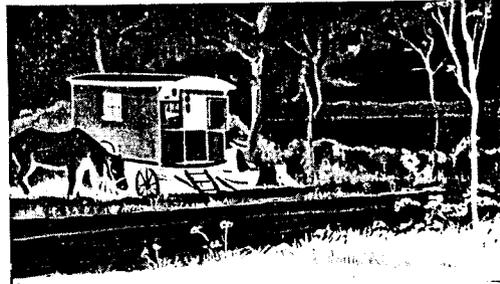
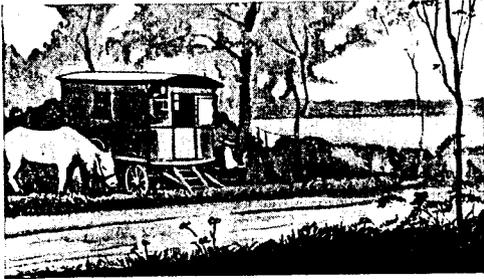
F733. Gelatine sheets size 8" x 7" for use on the Brenkert F7 Master Brenograph. Per set of twenty sheets of different colors and shades.....\$3.50

Positive and Negative Slides For Use on the Brenkert F7 Master Brenograph

We produce these slides from special drawings which we are prepared to make on short notice. They are used, as explained in the F7 Master Brenograph operating manual, as a prelude to the feature picture, as still scenes during musical numbers or as curtain designs.

Three different types are illustrated and several are listed which we have in stock for immediate delivery. These slides are also obtainable from other sources, information and list of which will be given on application. Special positive and negative slides of subject matter to suit individual taste can easily be produced by a local artist and photographer as is already being done in many sections of the country.

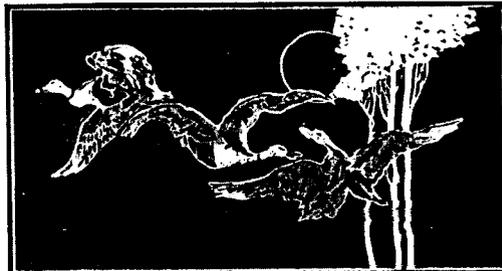
The price of the slides as listed herein is \$6.00 per set of two slides. Two slides are always necessary to obtain the effect produced by a positive and a negative projected one on top of the other.



Set No. P. N. 7



Set No. P. N. 1

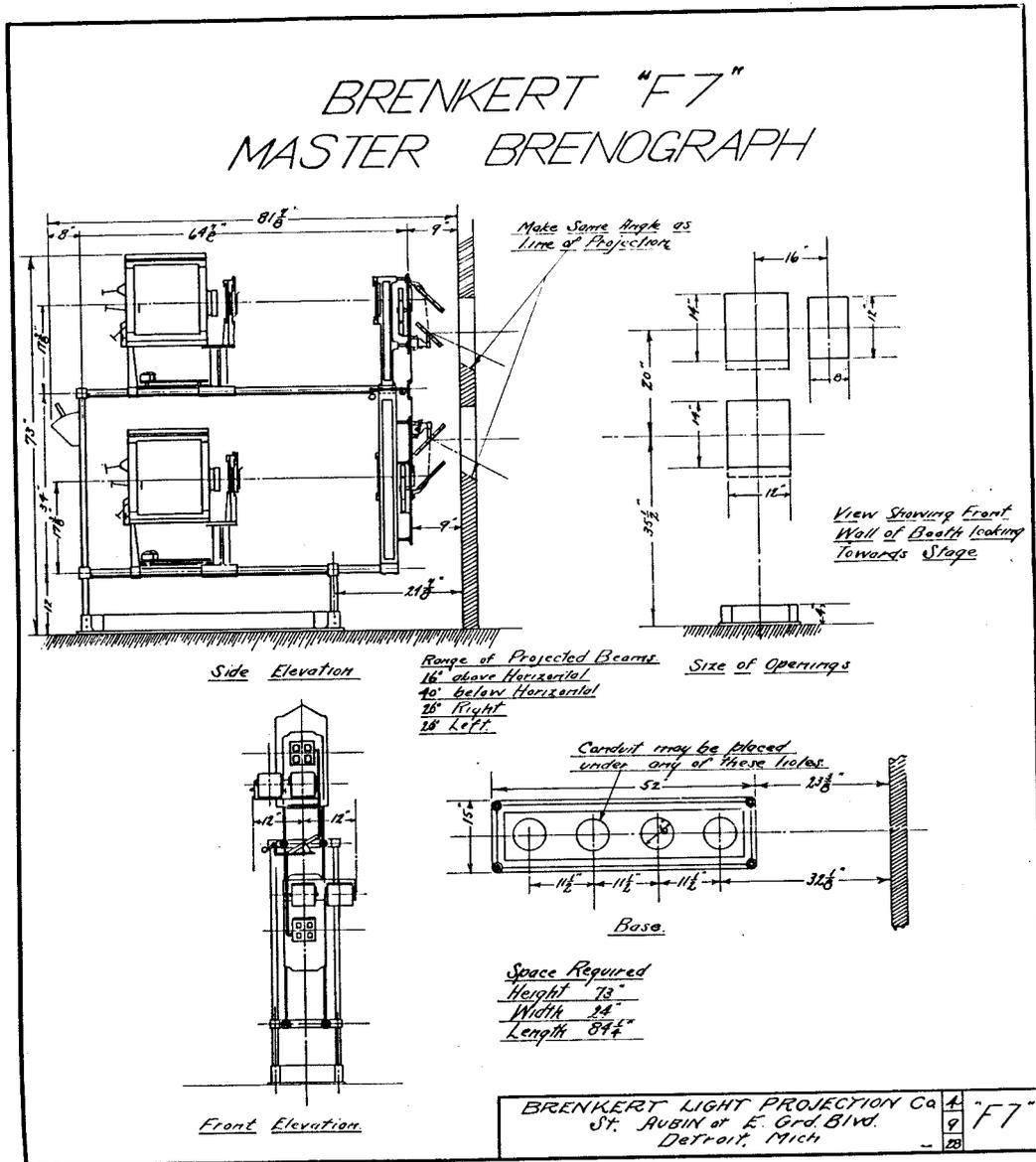


Set No. P. N. 5

- LIST OF POSITIVE AND NEGATIVE SLIDES (In stock)**
- | | | |
|----------|--|-------------------------------|
| Cat. No. | | |
| PN 1. | Western scene. (Illustrated above) | PN 2. Castle and river scene. |
| PN 3. | Capitol Building, Washington, D. C. | PN 4. Pawn shop street scene. |
| PN 5. | Flying geese scene. (Illustrated above). | |
| PN 6. | Sailing vessel on ocean with moon in background. | |
| PN 7. | Gypsy scene. (Successfully used with feature picture "Revenge"). | |
| PN 8. | Night scene with boy and girl on veranda (Successfully used with feature "Cardboard Lover"). | |
| PN 9. | Portrait Norma Talmage with changing colored shawl. | |
| PN 10. | Night river scene with stars and moon. | |
| PN 11. | Hawaiian beach scene. | |
| PN 12. | Street scene with vision of dancing girl. (Successfully used with feature picture "Street Angel") | |
| PN 13. | Indoor scene of elderly lady. (Successfully used with feature picture "Mother knows best"). | |
| PN 14. | Beach scene with bathing girl in foreground. (Successfully used with feature picture "Dawning") | |
| PN 15. | Outdoor scene showing statue of liberty with passing steamer and elderly lady on pier. (Successfully used with feature picture "Four Sons"). | |
| PN 17. | Night scene with lonely man in foreground and two lovers in background (Successfully used with feature picture "Lonesome"). | |
| PN 18. | Southern plantation scene. (Successfully used with feature picture "Uncle Tom's Cabin"). | |

While several of the above have been used as a prelude to a feature picture the scene depicted is sufficiently broad to permit their successful use without particular reference to any certain feature.

Dimensions For Installation Brenkert F7 Master Brenograph

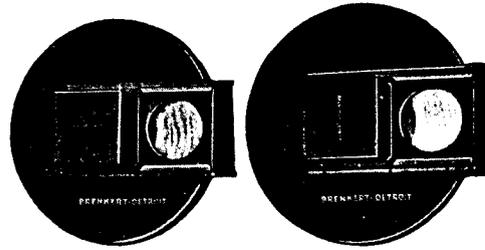


The Master Brenograph is made to be operated from the right side looking toward the stage. The center line of the port openings can be placed as close as 16" from the wall at the left hand side of the projection room if necessary to conserve space. As the entire projector remains stationary at all times it is not necessary to allow space for swivelling. Where two Master Brenographs are installed we recommend they be spaced four feet apart center to center of pedestals although if space is limited this distance can be reduced to three feet without interfering with operation of each projector. The measurements in the above chart, showing an overall length of 81 1/8", are for the standard Master Brenograph which permits the use of 40" focus lenses. If depth of projection room is limited to such an extent that a shorter projector is necessary we supply the Master Brenograph with floor base and base tubes 14" reducing the overall length to 67 1/8". Unless short base is specified we ship the standard size Master Brenograph. (See listing)

Net weight complete equipment—435 lbs.
Weight packed for domestic shipment—650 lbs.

Brenkert Animated Scenic and Color Effects

FOR USE ON THE BRENKERT F7
MASTER BRENOGRAPH



Scenic effects and moving color lighting effects are manufactured by us complete with spring motor or electric motor with disc enclosed in a steel, enameled casing.

Effects listed here do not include the projection lens. See page 27 of this catalog for projection lenses when used on spotlamps.

Brenkert clock driven scenic effects and moving color lighting effects are used on Brenkert F7 projectors from the booth, or from spotlamps on the stage. They will run from two to four hours with each winding of the spring motor. We will make to order any of those effects which are not listed herein.

Catalog No.	Spring Motor Drive	Price
CE1	Aurora Borealis, changing color effect, (hand colored)	\$50.00
CE2	Babbling Brook (hand colored)	50.00
CE3	Blizzard effect	50.00
CE4	Burning forests, panorama, (hand colored)	60.00
CE5	Clouds passing moon, moon stationary	55.00
CE6	Moving Fleecy clouds with rising moon	60.00
CE7	Country Scene, panorama, (hand colored)	70.00
CE8	Cyclone effect	50.00
CE9	Cyclone with flying objects	50.00
CE10	Descending clouds, for imaginary ascension trip	50.00
CE11	Falling Flowers, (hand colored)	70.00
CE12	Flying Angels, (hand colored)	50.00
CE13	Flying Birds, (not colored)	50.00
CE14	Flying Butterflies, (hand colored)	70.00
CE15	Fog effect	50.00
CE16	Flood with floating objects	50.00
CE17	Falling Flags, (hand colored)	70.00
CE18	Fire and smoke effect, (hand colored)	50.00
CE19	Flames, (hand colored)	50.00
CE20	Inferno spectacular effect, (hand colored)	55.00
CE21	Lightning effect, three brass slides, used in slide carrier, with lightning shutter used in effect holder	45.00
CE22	Moon picture slides, with appearing and disappearing clouds, (hand colored)	70.00
CE23	Moonlight water ripple, with metal mask	50.00
CE24	Fast moving, dark, storm clouds	50.00
CE25	Slow moving fleecy clouds	50.00
CE26	Moving evening and sunset clouds, (long and narrow clouds)	50.00
CE27	Moving river	50.00
CE28	Midnight sun, (hand colored)	50.00
CE29	Ocean Waves	50.00
CE30	Rain effect	50.00
CE31	Rainbow Prism effect, with metal mask, (portrays natural rainbow)	45.00
CE32	Sand storm effect (hand colored)	50.00
CE33	Snow storm effect	42.50
CE34	Volcano effect, used on triple dissolving projector or three spotlamps:	
	Eruption, (hand colored)	50.00
	Flowing lava, (hand colored)	50.00
	Rain of fire and ashes, (hand colored)	50.00
CE35	Water falls effect, (hand colored)	50.00
CE36	Automatic revolving color wheel, (5 colors and one white light, driven by spring motor)	37.50
CE37	Blending of colors effect, with glass design slides	45.00
CE38	Waving American flag effect	45.00
CE39	Flying Bluebirds, (hand colored)	70.00
CE40	Flying fairies	50.00
CE41	Falling sunbeams	48.50
CE42	Flying aeroplanes	50.00
CE43	Falling Roses, (hand colored)	70.00
CE44	Chinese snow, (hand colored)	70.00
CE45	Twinkling stars	50.00
CE46	Rainbow slide—mica, (hand colored)	10.50
CE47	Swimming fish	50.00

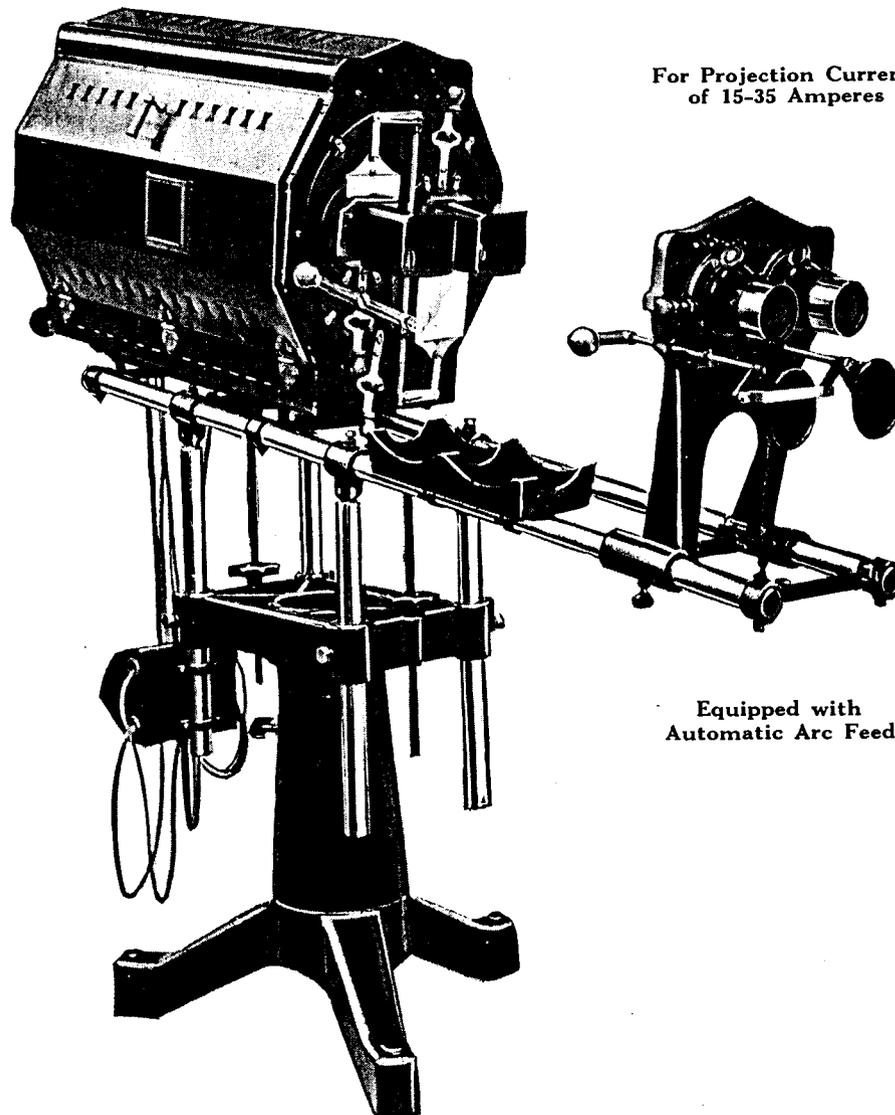
Electric Motor Driven Effects

Electric motor driven effects are desirable when effects are placed in an inaccessible position, as they can be turned on or off from any remote point, or where continuous running of the effect is desired.

We furnish above effects with Brenkert made and guaranteed universal electric motor drive which operates on alternating or direct current of 110 to 125 volts.

For electric motor driven effects complete with speed regulator, 12 ft. cord with plug and switch add \$75.00 to above prices.

Brenkert "F-6" Reflector Arc Dissolving Slide Projector



For Projection Currents
of 15-35 Amperes

Equipped with
Automatic Arc Feed

GREAT SAVINGS—IMPROVED RESULTS

OPERATING COSTS REDUCED MORE THAN 50%

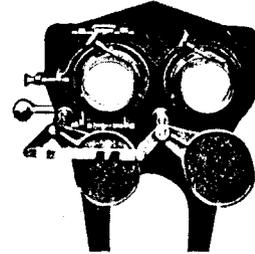
THE Brenkert "F-6" slide projector employs the well known reflector arc principle which was so successfully applied to the projection of motion pictures and which resulted in greatly reducing the current requirements. This new slide projector will lower operating costs more than 50% because it uses but a single low amperage arc for the projection of two slides whereas the old type of double lantern requires two separate arcs.

In addition to this, the optical design of the machine, ampere for ampere, gives 30% higher efficiency than the old condenser form of stereopticon. This high efficiency, coupled with the elimination of one arc, results in operating economy which reduces expenses to a small fraction of their former value.

SCREEN RESULTS GREATLY IMPROVED

WITH this new Brenkert projector, screen results far superior to those formerly obtained are now possible. The use of small carbons, loaded to their proper current density, gives a brilliant white light which is redirected to the screen by a large, highly corrected mirror. This light passes through but a single condenser lens in each system so that its whiteness on the screen is not destroyed by color absorption in the lenses. Even screen illumination, of high brightness is a characteristic of this new Brenkert slide projector.

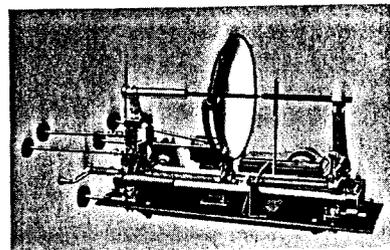
In order to obtain the best possible picture definition, only high grade projection lenses are used, these being of the double achromatic type. The lenses are placed close together (see illustration) side by side thus requiring a projection port measuring only 8" x 12".



AUTOMATIC OPERATION

THE Brenkert "F-6" dissolving slide projector is equipped with an automatic arc control which obviates the necessity of feeding the arc by hand. Each control is absolutely reliable and is carefully tested before the projector leaves the factory. This feature on the new Brenkert slide projector assures maximum operating efficiency and also relieves the projectionist of the need for watching the arc so that it permits him to devote all of his time to projecting the slides.

A special Brenkert reflector arc type of burner is used (see illustration) which accommodates a full 16" trim of carbons and insures accurate carbon burning at all times. All controls are easily worked and the adjustments are of the simplest.



PROJECTOR IS EXTREMELY RIGID

RIGIDITY is an important consideration in the construction of a first class slide projector. Even a slight quiver of the slides or projection lenses will be magnified greatly on the screen so that it is necessary to prevent any tendency in the projector to vibrate.

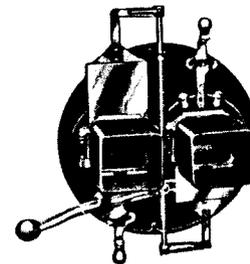
The new Brenkert "F-6" slide projector is rock-steady and the close spacing between the two optical systems permits rigid bracing of all parts which are likely to vibrate even when under the influence of outside disturbances.

MANY EXTRA FEATURES

PERFECT matching of slides is very easily obtained with the new Brenkert "F-6" slide projector as all adjustments required for precise matching are performed on the front plate of the lamphouse. A large roundel (see illustration), which can be rotated in its mounting, carries both slide carriers with their respective condenser lenses. Rotation of the complete assembly permits the slides to be matched for height.

Each slide carrier assembly, in turn, can be swiveled independently so that the slides are easily adjusted for skew. Final matching is obtained by adjusting the right hand projection lens crosswise on the lens axis.

The slide carriers support each slide rigidly in place, yet do not grip the slides so that quick changes can be made. Each carrier is backed by a metal mat, die-stamped, thus making every mat opening exactly the same size. Curtain shutters, in addition to dowsers shutters are provided. Slide tray with double compartment is attached to base tube at front of lamphouse within convenient reach of projectionist. A pilot lamp, placed inside of the lamphouse is automatically lighted by a door switch.



ALL PARTS FINISHED IN BEST MANNER

CLOSE attention has been paid to the finishing of all parts on the new Brenkert "F-6" slide projector so that the projector presents a beautiful appearance from all sides. The standard finish is as follows: blued steel lamphouse; olive green enamel, baked on, for all cast parts; and all light metal parts polished nickel.

If special finish is desired to match other pieces of projection room equipment, sample of enamel, or color specimen, must be provided. Prices of special finishes furnished on request.

All Workmanship and Materials Are the Best

IMPORTANT

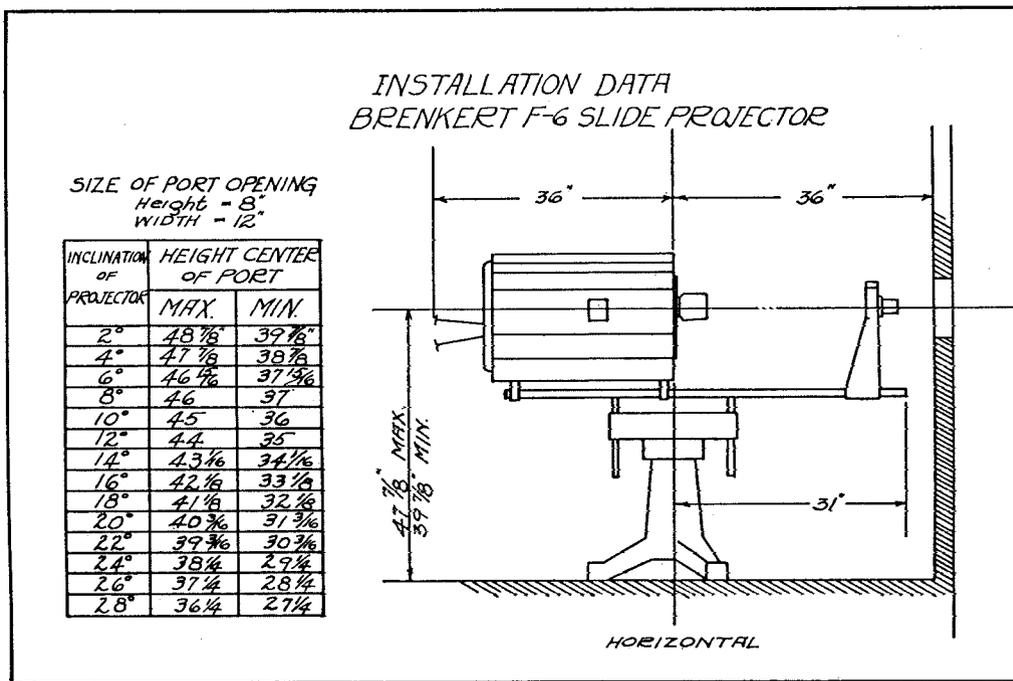
THE Brenkert "F-6" slide projector is a **low current** device and may be operated from the same source of current supply employed for low intensity reflector arcs where such are used for motion picture projection without increasing generator capacity.

WARNING

BEFORE the present wide spread use of separate machines for projecting slides, it was considered necessary to equip all motion picture projectors with a change-over device to enable them to project slides also. Such makeshift devices never gave satisfactory results and for this reason exhibitors demanded a separate machine for projecting slides in the best possible manner.

It is impossible for any kind of stereopticon attachment to a motion picture projector to project either single or dissolving slides in a satisfactory manner and exhibitors are cautioned against attempting to do so.

The Brenkert "F-6" will give the very finest dissolving slide projection yet obtained at a minimum of installation and operating costs.



SPECIFICATIONS AND PRICES

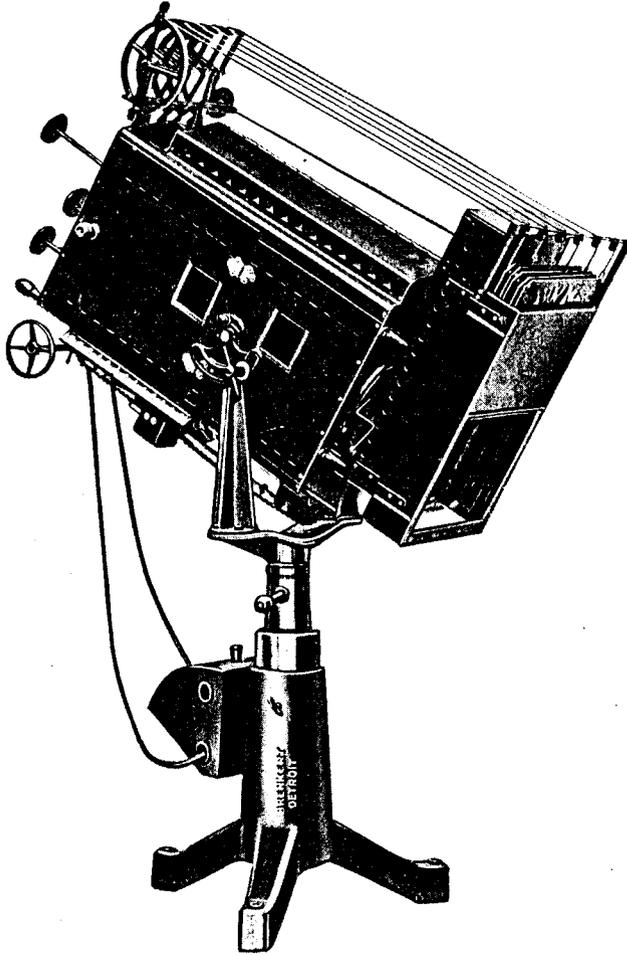
Cat. No.

F600. Brenkert "F-6" reflector arc dissolving slide projector as illustrated and described with Brenkert reflector arc burner, automatic arc control, parabolic reflector, condensing lenses, metal slide masks, and slide carriers, curtain change-over shutters, double achromatic projection lenses mounted in rack and pinion focussing tube in any focus from 14" to 36", slide tray, dowsers shutters, 60 ampere enclosed switch, and heavy three leg floor base with swivel top and height adjusting steel tubes.
Without rheostat.....\$395.00

MAZDA LAMP EQUIPMENT

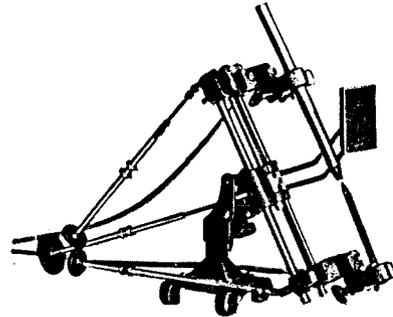
F-602. Same as above, except with mogul sockets and special optical mirrors (in place of arc lamp), 60 ampere enclosed switch, double achromatic projection lenses mounted in rack and pinion focussing tube in any focal length from 14" to 32". For using 900, 1000, or 1500 watt projection type incandescent lamps, effective up to 125 ft. projection distance.
Without Mazda Lamps.....\$275.00
For prices on Mazda lamps see page 26.

Brenkert "C-14" High Efficiency Spot and Flood Lamp



For the very best in spot and
Flood Lighting at a minimum
of cost

With or without Automatic
Arc Control, Color Wheel,
Lobsterscope.



C-14 Arc Burner

IMPORTANT FEATURES

THE Brenkert "C-14" high efficiency spot and floodlamp has features never before incorporated in any spotlamp. It is a high efficiency spotlamp and on 40 amperes will produce better results for which other spotlamps require 60 amperes. It is complete in every detail and for standard service does not require additional accessories in order to obtain first class results.

Particular care has been taken to eliminate all stray light and reflections from reaching the front of the theatre so that only that light within the beam projected to the stage is permitted to issue from the projector. To this end, a sturdy flame shield of heavy steel is permanently fixed in position in front of the upper carbon so that when the lamp is properly trimmed the arc flame is entirely hidden from the condensing lens. This flame shield also serves as a guide when setting the carbons.

Important features of the Brenkert "C-14" high efficiency spot and flood lamp include a heavy duty, vibrationless arc burner which has all working parts closely fitted to insure perfect burning of the carbons and smooth working of all parts; a counterbalancing mechanism conveniently placed out of the way beneath the lamphouse which keeps the lamphouse always balanced; two interchangeable condenser lenses, one for spot and one for flood work, either of which can be placed in use by a turn of the hand; a quick acting, pre-selective color box with overhead boomerang; iris shutter and framing shutter; and centralized control of all working parts on the rear plate of lamphouse.

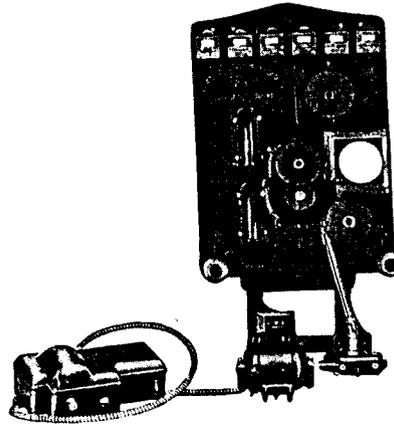
Standard finish includes blued steel lamphouse, battleship gray pedestal and standard, lamphouse castings enameled olive green, and light metal work nickel plated and polished.

Prices for special finishes on application. Colored samples must be provided for matching purposes. All parts of the Brenkert "C-14" are designed and manufactured complete in the Brenkert plant and carry our complete guarantee.

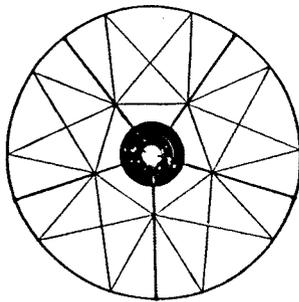
The Brenkert "C-14" high efficiency spot and flood lamp embodies quality, efficiency, and convenience in perfect coordination by skillful engineering and exacting workmanship. It produces the highest quality results yet obtained at a minimum of operating and maintenance costs. It is a pleasure to the projectionist and a source of profit to the exhibitor.

Accessories for Brenkert "C-14" High Efficiency Spot-Flood Lamp

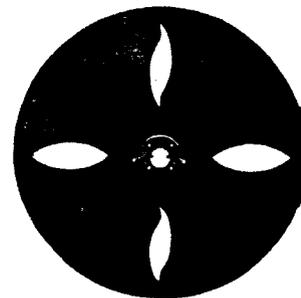
FOR PRICES SEE FOLLOWING PAGE



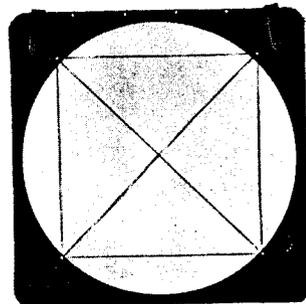
C-1405
Automatic Arc Control



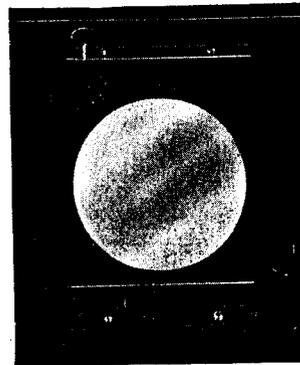
C-1412
Color Wheel



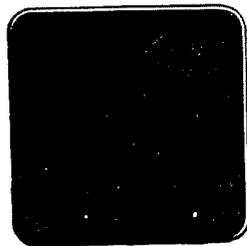
C-1415
Lobsterscope



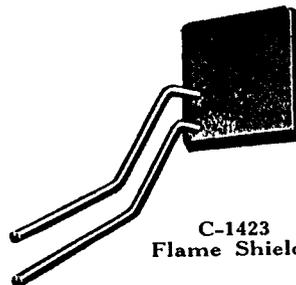
C-1417
Color Frame



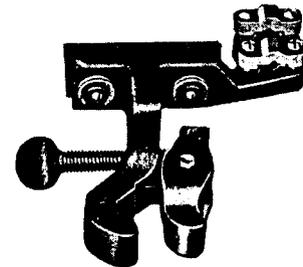
C-1418
Effect Holder



C-1422
Heat Resisting
Vision Glass



C-1423
Flame Shield



C-1420
Heavy Duty
Carbon Jaw

Specifications and Prices of Brenkert C-14 High Efficiency Spot Flood Lamp

PRICES AND SPECIFICATIONS

Catalog No.

- C1400. Brenkert C-14 High Efficiency Spot and Flood Lamp** complete as illustrated, with dual focus lens system and quick change device, perfectly balanced lamphouse head with tightening handles, 150 ampere Brenkert super arc lamp with top and bottom carbon adjustments, telescoping control rods and counterbalance mechanism, scale focussing device, prefocus stop collars, heavy gauge framing shutters nickel plated and polished, large diameter iris shutter, six large diameter enclosed color frames with gelatine colors, rear control wheels and color signals, 100 ampere enclosed switch mounted on pedestal, heavy three leg floor base with height adjusting column, asbestos covered cable connections from switch to arc lamp, (without rheostat).....\$445.00
- C1405. Brenkert Arc Control** for automatic feeding of carbons used in C-14 high efficiency spot and flood lamp. Must be specified on original order. Consists of relay box mounted separately on base pedestal of C-14 spot-flood lamp, together with driving motor and double reduction gears mounted on back-plate of spotlamp head. Friction clutch permits of either manual or automatic feeding. Control mechanism requires 45-70 volts direct current for operation. Complete, attached to C-14 spot-flood lamp, and factory-tested.....\$115.00
- C1410. Brenkert Six Space Color Wheel** for use with Brenkert C-14 high efficiency spot and flood lamp. Attaches to front of color frame compartment on the Brenkert C-14 spot and flood lamp and is spoked to permit gradual color changes without casting shadows. Complete with attaching bracket, rear control rod and handle, and one set of gelatine colors..\$34.50
- C1412. Color Wheel Only** with quick change clutch device and one set of gelatine colors, ready to attach to rear control mechanism.....\$24.50
- C1414. Brenkert Lobsterscope** for use in spotlighting special dance acts to give illusion of greatly increased number of dancers. Attaches instantly to front of Brenkert C-14 Spot Flood lamp in the same manner as the color wheel above described and uses the same rear controlled handle for operation. Complete with attaching bracket, rear control rod and handle.....\$28.50
- C1415. Lobsterscope Disc Only**, with clamp attachment.....\$18.50
- C1417. Color Frames** for C-14 spot-flood lamp, size 12 inches square, without gelatine, each..\$1.75
- C1418. Effect Holder** for use on C-14 spot-flood lamp. Includes 6 inch diameter condensing lens and has grooves for attaching standard 18 inch scenic effects.....\$16.50
- C1420. Brenkert Heavy Duty Carbon Jaw** complete with monel metal clamp, mica insulation, attaching screws and wire contact clamps (used as upper and lower jaw of arc lamp).....\$6.50
- C1421. One set of three, large diameter, easy rolling casters** for base of C-14 spot-flood lamp. Complete ready to attach, per set.....\$21.50
- C1422. Heat Resisting Vision Glass** for use with all Brenkert heavy duty arc projectors to eliminate annoyance of breakage due to heating. This glass is made especially for this purpose and is designed to absorb all of the harmful light rays. It is guaranteed not to break under heat. Heat resisting vision glass, 3 $\frac{3}{8}$ " x 3 $\frac{3}{8}$ "—each.....\$2.50
- C1423. Flame Shield** for Brenkert C-14 high efficiency spot-flood lamp which completely hides arc flame from condensing lens and prevents image of flame being projected to stage. Complete, ready to place on arc burner.....\$12.50
- C1424. 8" iris shutter** with closing blade and attaching screws ready to attach to Brenkert C14 spot-lamp.....\$28.50
- C1425. Main holder casting** for supporting flame shield rods. Complete with mica insulation and attaching screws. (Does not include flame shield or rods).....\$5.75

The C-14 is the standard spot-flood lamp in the finest theatres of the country. Its use is by no means confined to the de luxe houses as even the smaller community theatres avail themselves of its high efficiency to reduce operating costs to the minimum.

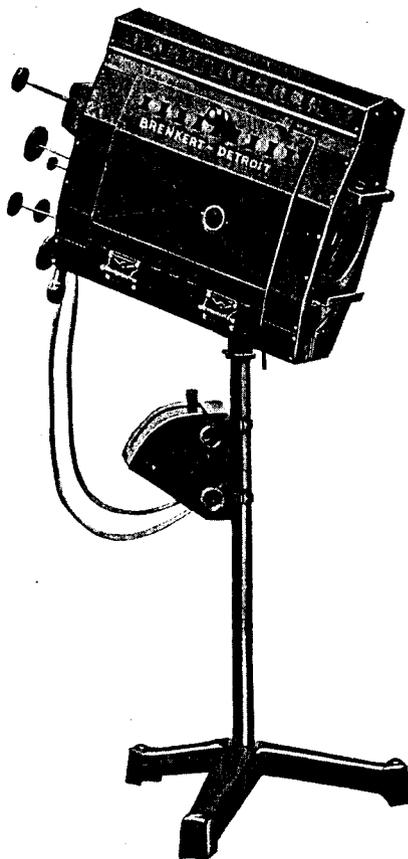
Brenkert Improved "C3" Spot and Flood Lamp

FULL UNIVERSAL—75 AMPERE ARC LAMP TYPE—WITH LONG FOCUS LENS

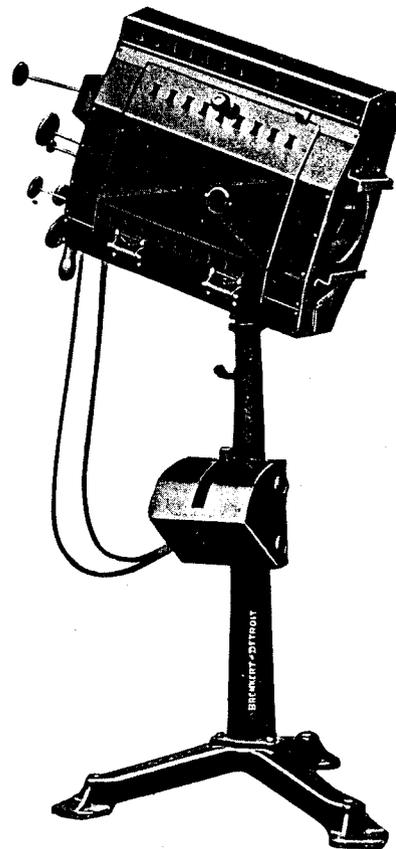
For medium distance spot and flood illumination.
With Brenkert patent built in framing shutter.

The Brenkert "C3" spot and flood lamp above shown is equipped with Brenkert rugged type 75 ampere arc lamp enclosed in metal lamphouse with aluminum end plates. The exclusive features of the Brenkert "C3" are full universal top and bottom carbon adjustments on the arc lamp. Brenkert patent built in framing and dowsler shutter operated from rear of lamphouse, roller cable release for arc lamp lead wires, light tight and well ventilated lamphouse, fully enclosed 100 ampere switch, heavy three leg floor base. Furnished without rheostats.

Complete equipment finished in our standard silver green three coat baked on enamel. All parts made over jigs and dies presents complete interchangeability assuring uninterrupted service. **Furnished with door on left side for left hand operation when desired at no extra charge.** Unless otherwise specified we will ship right hand control as illustrated.



C311

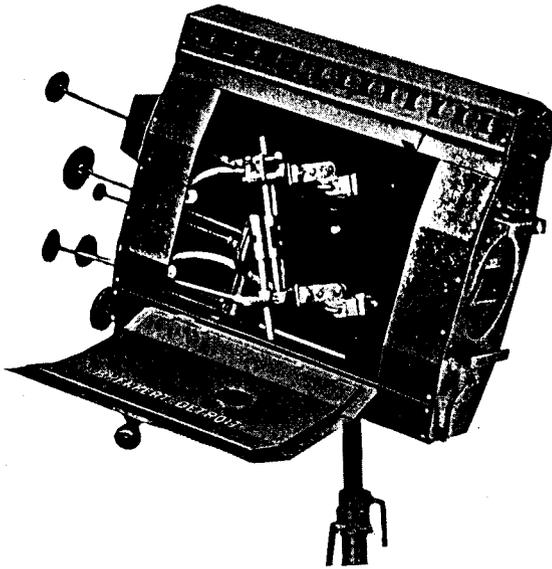


C309

Catalog No.

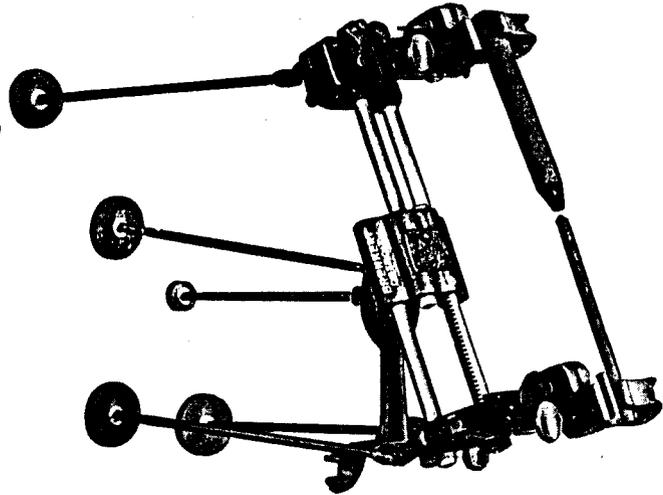
- C309. Brenkert improved 75 ampere arc spot and flood lamp, with top and bottom carbon adjustments extending through rear of lamphouse, Brenkert patent built in framing and dowsler shutter, 100 ampere enclosed switch, asbestos wire connections from switch to arc lamp, three leg floor base with cast iron upright column and ball bearing horizontal swivel producing perfect rigidity with maximum ease of control.....\$145.00
- C311. Same as C309 except with 1¼" diameter pipe standard and plain bearing horizontal swivel.....\$127.50

Brenkert Improved "C3" Spot and Flood Lamp



C312

C312. Brenkert Improved 75 ampere spot and flood lamp, head only as shown with lamphouse swivel control handle, does not include upright tube shown. \$117.50



ARC LAMP

The arc lamp is of new design and rugged construction—rack and pinion type—fully universal with top and lower carbon adjustments. Two accurately machined steel rods of $\frac{1}{2}$ " diameter guide the traverse of the upper and lower sections, being accurately fitted they permit smooth operation with a minimum of play under intense heat. Such construction results in maintaining the accurate alignment of the carbon jaws regardless of all stresses and strains.

DIMENSIONS AND WEIGHTS

Size of lamphouse, 26" long, 22" high, 9" wide.
 Height floor to center of lens, 43" adjustable to 74".
 Height overall 57", adjustable to 88".
 Net weight without rheostat, 87 lbs.
 Weight packed for shipment without rheostat, 145 lbs.

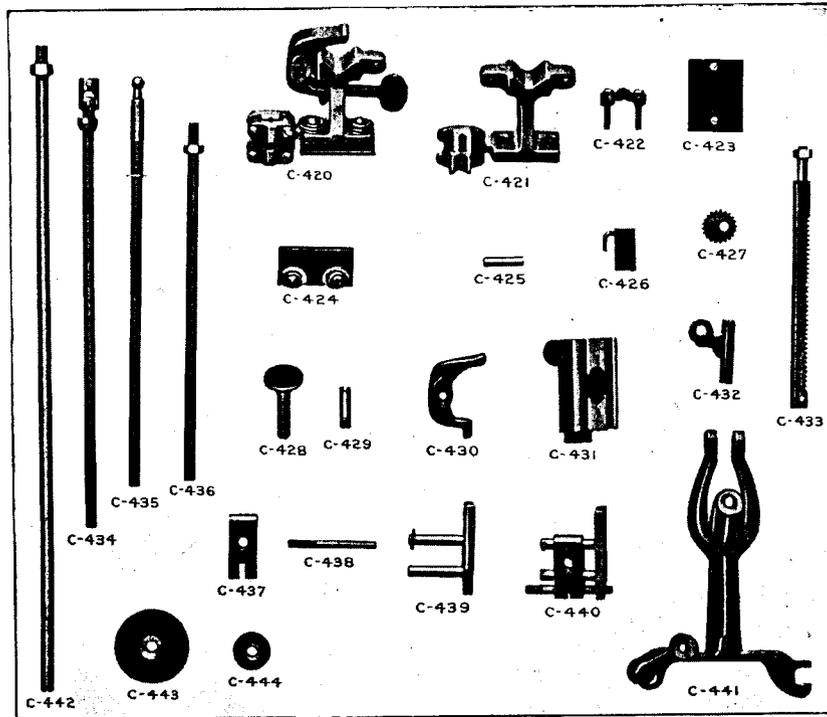
MODEL C3 PARTS

All repair parts are guaranteed interchangeable thereby rendering uninterrupted service.

Catalog No.	
C320	Carbon jaw complete, fits upper or lower..... \$ 5.50
C321	Intermediate casting of carbon arm, including mica insulation and attaching screws..... 3.00
C322	Casting attached to rack..... 3.00
C324	Longitudinal mechanism unit, complete for forward and back adjustment of upper carbon arm without universal joint or control rod..... 12.50
C325	Lateral mechanism unit complete for right and left or side to side adjustment of lower carbon arm..... 12.50
C326	Bracket which supports arc lamp..... 10.00
C327	Universal joint feed rod complete, includes universal joint and fibre handle..... 3.50
C328	Tilting device control handle, includes control rod, ball-head-pin and fibre handle..... 2.50
C330	One pair slide rods on which bracket C326 operates..... 2.00
C331	Arc lamp complete, includes arc lamp only with feed rod and handle C327 ready to attach to bracket C326 with adjustments..... 54.00
C332	Steel stand pipe with cap and set screw..... 3.50
C333	Telescope tube complete with height adjusting collar and set screw..... 5.00
C334	Height adjusting collar only with set screw which fits C333 telescope tube..... .90
C335	Three leg base with threaded hole..... 14.50
C336	100 ampere switch and box complete with attaching collars..... 12.50
C337	100 ampere switch only..... 3.50
C338	Box only for 100 ampere switch..... 8.00
C339	Attaching collars for switch box (two required for each switch box) pair..... 1.25
C340	Swivel control handle. Attaches to pivot rod screw and holds hood or lamphouse to telescope tube..... 2.50
C343	One set of three large size, rubber tired, easy rolling casters ready to attach to base of spot-flood lamp..... 21.50

Parts Only For Brenkert "C4" Spot and Flood Lamp

We have discontinued the manufacture of the Brenkert C4 spot and flood lamp but are in position to supply without delay the parts as enumerated below for those now in service.



MODEL "C-4" PARTS

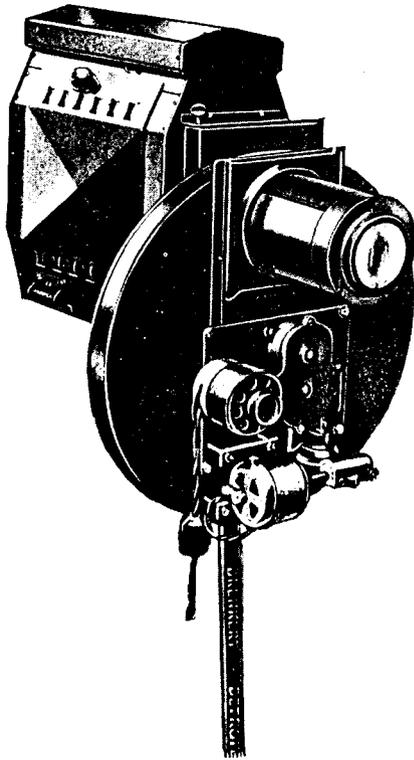
Cat. No.	Description	Price
C420	50 ampere carbon jaw complete with insulation (for upper or lower carbon)	\$ 5.50
C421	50 ampere carbon jaw only, (for upper or lower carbon)	4.50
C422	Contact clamp and screws for lead wires to arc lamp	.40
C423	Friction plate for rack	.60
C424	Insulation and screws complete for one carbon jaw	.40
C425	Swivel pin for carbon clamp	1.25
C426	Bushing adapter for 3/8" carbon	2.00
C427	Brass pinion and pin for rack feed	.40
C428	Carbon clamp screw	.40
C429	Swivel pin for entire arc lamp	2.00
C430	Carbon clamp	10.00
C431	Main holder for rack	2.50
C432	Back casting of lower carbon arm	2.00
C433	Rack and nut to feed upper and lower carbon arm	3.00
C434	Feed rod and universal joint assembled	2.25
C435	Ball head pin and rod for tilting arc lamp	.90
C436	Lamp focusing rod and set nut	3.00
C437	Stationary hub for top carbon longitudinal adjustment	4.00
C438	Adjustment screw for top carbon longitudinal adjustment	8.00
C439	Intermediate plate and guide pins assembly for top carbon longitudinal adjustment	10.50
C440	Top carbon longitudinal adjustment complete assembly	1.50
C441	Sliding support bracket for entire arc lamp	.90
C442	Base rod and set nut to support entire arc lamp	2.50
C443	Fibre handle and set screw for carbon feed rod	.80
C444	Fibre handle and set screw for lamp tilting rod	.80
C445	50 ampere arc lamp complete with universal joint feed rod No. C434	45.00

STAND PARTS

C447	Fibre friction washer for lamphouse swivel	.60
C448	Set handle for lamphouse swivel	2.50
C449	Telescope tube and top casting	5.00
C450	Height adjusting collar for telescope tube with set screw	.90
C451	Stationary wrought iron upright tube with collar and set handle	3.50
C452	Light weight floor base (for use with rheostat on standard)	7.50
C453	Heavy weight floor base (for use without rheostat on standard)	8.50

SWITCH AND BOX PARTS

C454	35 ampere switch only	1.50
C455	60 ampere switch only	2.50
C456	Switch box only for 35 ampere switch	6.50
C457	Switch box only for 60 ampere switch	7.50
C458	Attaching collars for switch box, (two required for each box) each	.90
C459	Porcelain insulators for switch box, (four required for each box) each	.40



BRENOGRAPH *Junior*

*For Animated Scenic
Effects*

CLOUDS, SNOW, FLYING BIRDS, RAIN
AND OCEAN WAVES

The Appeal of Light in Motion

Some of the most beautiful effects used in theatres today are obtained by means of light alone. The most appealing of these lighting effects, however, are those in which the element of motion is employed.

Brenograph Junior places animated scenic effects in your theatre at a minimum cost, because it was expressly designed to do just this kind of work. By means of interchangeable discs on which the effect scenes are photographed, numerous light effects can be reproduced easily and realistically in rain, snow, clouds, ocean waves, falling flowers, flying birds, country panoramas, flying aeroplanes, etc.

Special color wheels may be provided for showing floods of vari-colored light. For partial list of effects see below.

MOVING SCENIC and COLOR EFFECTS for use with "BRENOGRAPH JUNIOR" Disc only ready to insert in casing

Cat. No.	Price
JE 1 Babbling Brook—hand colored	\$35.00
JE 2 Blizzard effect	35.00
JE 3 Burning forests, panorama—hand colored	45.00
JE 4 Clouds passing moon, moon stationary	40.00
JE 5 Country Scene, panorama—hand colored	55.00
JE 6 Descending clouds, for imaginary ascension trip	35.00
JE 7 Falling Flowers—hand colored	55.00
JE 8 Flying Angles—hand colored	35.00
JE 9 Flying Birds—not colored	35.00
JE10 Flying Butterflies—hand colored	55.00
JE11 Falling Flags—hand colored	55.00
JE12 Fire and smoke effect—hand colored	35.00
JE13 Flames—hand colored	35.00
JE14 Fast moving, dark storm clouds	35.00
JE15 Slow moving fleecy clouds	35.00
JE16 Moving evening and sunset clouds—long and narrow clouds	35.00
JE17 Moving river	35.00
JE18 Ocean waves	35.00
JE19 Rain effect	35.00
JE20 Sand storm effect—hand colored	35.00
JE21 Snow storm effect	27.50
JE22 Water falls effect—hand colored	35.00
JE23 Automatic revolving color wheel—five colors and one white light	22.50
JE24 Flying Bluebirds—hand colored	55.00
JE25 Flying Fairies	35.00
JE26 Rising bubbles—hand colored	40.00
JE27 Flying Aeroplanes	35.00
JE28 Falling Roses—hand colored	55.00
JE29 Chinese snow—hand colored	55.00
JE30 Swimming fish	35.00



Reliable and Built to Remain So

An electrically driven stage effect must be reliable. It must be ready to go at the snap of the switch. The speed of the effect must be capable of variation over a wide range, and there must be no stalling at reduced speeds.

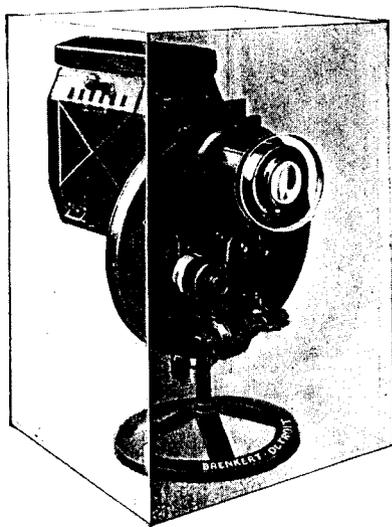
No matter where located, no matter what the speed, **Brenograph Junior** the electric motor driven effect shown at the right will always start and continue to operate under all conditions. Its automatic operation permits it to be placed at remote locations and controlled from any accessible point in the theatre such as at the main switch-board, back stage.



Variable Speed

Brenograph Junior may be operated over a wide range of speeds. It is absolutely automatic and reliable over the entire speed range.

For Atmospheric Theatres



The space requirements of **Brenograph Junior** as shown above for concealed work are as follows: 24" wide, 30" high and 30" deep.

A canopy of clouds moving across a field of twinkling stars is used in the atmospheric theatre to complete the illusion that the pictures are being viewed beneath nocturnal skies.

Back stage, also, scenic-moving effects of all kinds can be projected from over head, or from the wings, with a suitable back drop. In the small theatre, the back stage effects can be controlled from the projection room.

Brenograph Junior with its motor driven effects and automatic operation, is ideal for these purposes.

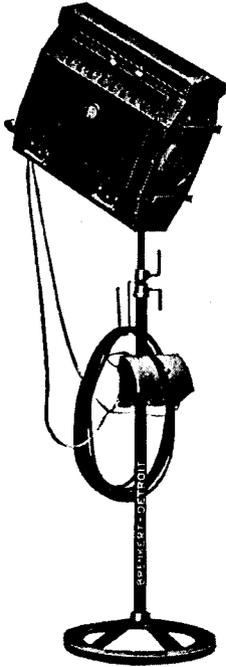
When equipped with a short pedestal as shown on the left, **Brenograph Junior** occupies but small space. It may easily be concealed in a recess or compartment so as to hide the origin of the animated scenic effects from the theatre's patrons, and further increase their mystification and strengthen their illusion.

Brenograph Junior is especially adapted to short range work for covering large areas. One, two or four units are used depending on shape and size of area to be covered.

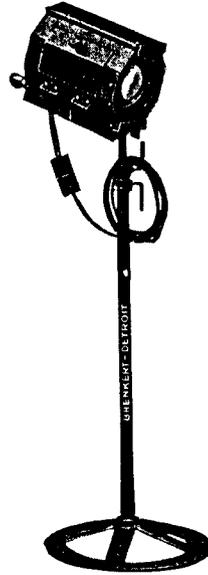
Cat. No. FJ-100—Brenkert Brenograph Jr. complete as above illustrated with lamphousing and stand, effect holder, universal electric motor with variable speed control with choice of one scenic effect complete in casing, 10 ft. connecting cord with plug and switch, any focus projection lens from 3" to 12" (No mazda lamp).....\$225.00

Brenkert Spot and Flood Lamps

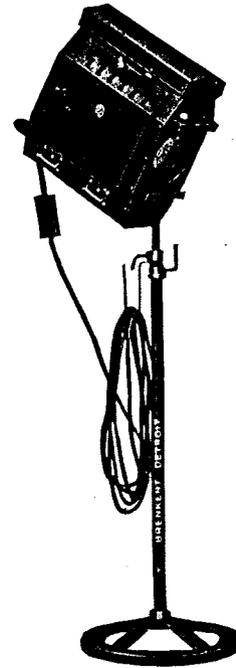
250 TO 1500 WATT INCANDESCENT TYPE



C5A-03

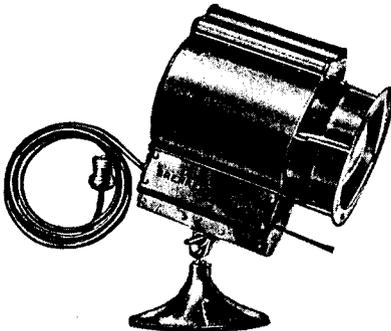


C600



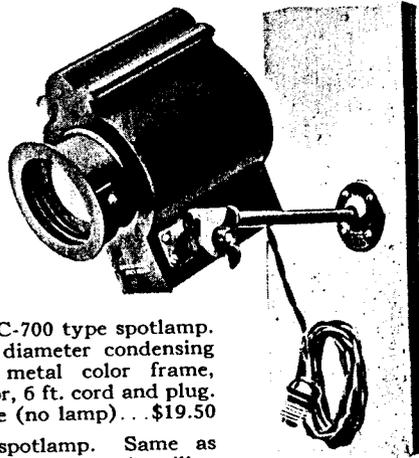
C503

- C5A-03. Brenkert 1000 to 1500 watt incandescent spot and flood lamp, 6 inch diameter long range lens and body. For the smallest spot lighting possible with an incandescent lamp at long or short distances. Complete as shown with switch on standard, 25 foot cable and terminals (no mirror) \$49.50
- C503. Brenkert 1000 to 1500 watt incandescent spot and flood lamp, 6 inch diameter short range lens, complete as shown with 25 foot cable and connector (no mirror) \$47.50
- C600. Brenkert 400 watt incandescent spot and flood lamp, 5 inch diameter short range lens. Complete as shown with 25 foot cable and connector (no mirror) \$30.50
- C527. 5 inch diameter optical mirror reflector for use on any of the above. Increases light volume 50 per cent. Complete with mounting ready to attach \$5.00



C706

- C700. Brenkert 250 watt incandescent spot and flood lamp, 3 1/2 inch diameter lens, complete as shown with wall bracket, no lamp \$14.75
- C706. Brenkert Hi-liter for projecting a more powerful beam than can be obtained with C-700 type spotlamp. Equipped with large diameter condensing lens, diffusing lens, metal color frame, 4 gelatine colors, mirror, 6 ft. cord and plug. Table base. Complete (no lamp) . . \$19.50
- C705. Brenkert Hiliter spotlamp. Same as No. C706 except with wall and ceiling bracket in place of table base \$19.50



C700

Brenkert spot and flood lamps are furnished with door on left side for left hand control when desired at no extra charge. Specify which you wish otherwise we will ship right hand control as above illustrated.

INCANDESCENT LAMPS FOR USE WITH ABOVE SPOT AND FLOOD LAMPS

250 watt, 120 volt, G-30 Mazda Lamp, floodlight type	\$ 1.75
250 watt, 120 volt, G-30 Mazda Lamp, projector type	1.75
400 watt, 120 volt, G-30 Mazda Lamp	3.00
1000 watt, 120 volt, T-20 Mazda Lamp	6.50
1500 watt, 120 volt, T-24 Mazda Lamp	11.00
2000 watt, 120 volt, G-48 Mazda Lamp	13.00

DIMENSIONS AND WEIGHTS

Brenkert C5 and C5A Spot and Flood Lamps

Height floor to center of lens, 39", adjustable to 56". Height overall 47", adjustable to 64".
 Dimensions of lamphouse, (C5), 8" wide, 16" high, 14" long. Dimensions of lamphouse, (C5A) 8" wide, 16" high, 18" long.
 Net weight, (C5), 49 lbs. (C5A), 54 lbs. Weight packed for shipment, (C5), 75 lbs., (C5A), 80 lbs.

Brenkert C6 Spot and Flood Lamp

Height floor to center of lens 39" adjustable to 56". Height overall 44" adjustable to 61".
 Dimensions of lamphouse 7" wide, 11" long, 10" high. Net weight 28 lbs.
 Weight packed for shipment 52 lbs.

Brenkert C7 Spot and Flood Lamp

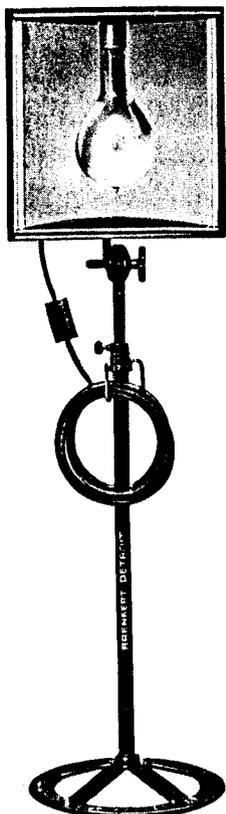
Overall dimensions of lamphouse, 8" long, 6" wide, 9" high. Net weight 5 lbs.
 Weight packed for shipment 8½ lbs.

PARTS LIST

Brenkert C5 and C5A Spot and Flood Lamps

Catalog No.	
C520	Mazda Lamp Attachment Unit, includes sliding bracket with Mogul Socket mounted in adjustable holder and upright rod for attaching reflector..... \$ 9.50
	Mogul Socket only..... 1.25
C521	Mogul Socket only..... 4.00
C522	Holder for Mogul Socket with attaching screws..... 1.50
C523	Focusing push and pull rod and fibre handle..... 5.00
C524	Sliding bracket only..... 2.50
C525	Mounting only for 5" mirror reflector..... 3.50
C526	5" mirror reflector only..... 5.00
C527	5" mirror reflector, mounted..... 5.00
Switch and Stand Parts	
C529	Fibre friction washer for lamphouse swivel..... \$.60
C530	Set handle for lamphouse swivel, (C5)..... 1.25
C531	Set handle for lamphouse swivel, (C5A)..... 2.50
C532	Telescope tube and top casting..... 5.00
C533	Height adjusting collar for telescope tube with set screw..... .90
C534	Stationary wrought iron upright tube with top collar and set handle..... 3.50
C535	Heavy weight round floor base..... 8.50
C536	Set of 4 casters ready to attach to base..... 12.50
C537	30 ampere switch and box complete with attaching collars, (C5A)..... 9.50

Brenkert Incandescent Flood Lamps



C800

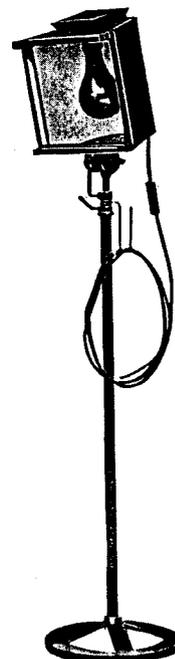
500 AND 1000 WATT SIZES ON FLOOR STAND

Brenkert 500 and 1000 watt flood lamps are used in the wings or on floor of stage for illuminating stage scenery or settings and for show room and show window displays where a floor stand is required. The Special white reflecting surface reflects a powerful white light and will not turn color from heat of lamp.

A 1000 watt or 750 watt, P. S. 52 incandescent lamp is used in C800 and 18" x 20" color frames C108.

A 500 watt or 300 watt, P. S. 40 incandescent lamp is used in C803 and 13" x 15" color frames C109.

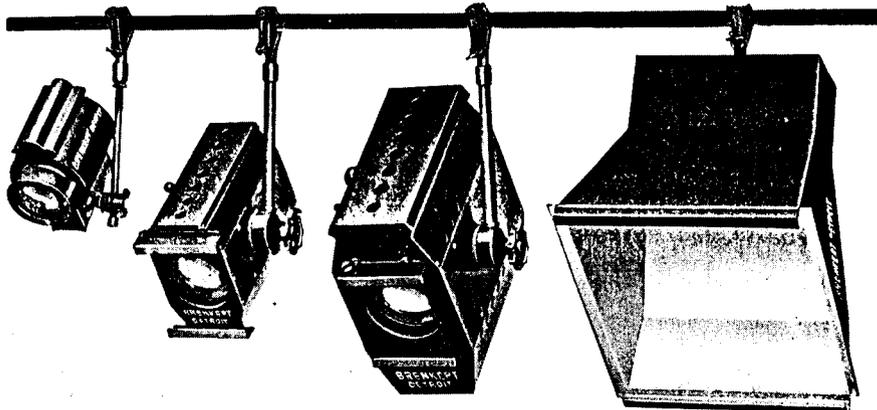
- C800. Brenkert 1000 watt flood lamp, floor stand type. Complete as shown with high floor stand, 25 ft. stage cable and connector..... \$29.50
- C804. Brenkert 3 section 1000 watt flood lamp. Same as No. C800 except three hoods mounted on height adjusting heavy wrought iron upright standard with heavy three leg floor base, 75 feet cable with three connectors..... \$85.00
- C805. Same as No. C804 except with large, easy rolling casters attached to three leg floor base..... \$94.50
- C803. Brenkert 500 watt flood lamp, floor stand type. Complete as shown with high floor stand, 25 ft. stage cable and connector..... \$22.50
- M245. 1000 watt, P. S. 52 lamp..... \$4.00
- M247. 500 watt, P. S. 40 lamp..... 2.00
- M248. 300 watt, P. S. 35 lamp..... 1.25



C803

Brenkert Stage Border Lighting Units

FOR SUSPENDING FROM 1" TO 1½" PIPE BATTENS



C701

C605

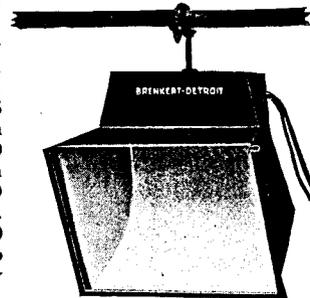
C505

C905

- C505. Brenkert 1000 watt suspension spot and flood lamp. 6" dia. lens, complete as shown with pipe clamp. No mirror.....\$33.25
- C605. Brenkert 400 watt suspension spot and flood lamp. 5" dia. lens, complete as shown with pipe clamp. No mirror.....\$21.50
- C701. Brenkert 250 watt suspension spot and flood lamp, 3½" dia. lens, complete as shown with pipe clamp. No mirror is used on this equipment.....\$16.25
- C903. Brenkert 500 watt suspension flood lamp, complete as shown, with pipe clamp. Uses 500 watt, P. S. 40 inc. lamp.....\$16.50
- C905. Brenkert 1000 watt suspension flood lamp, complete as shown with pipe clamp. Uses 1000 watt, P. S. 52 inc. lamp.....\$18.50
- C527. 5" dia. mirror reflector mounted ready to attach to C505 or C605. Increases light volume 50 percent.....\$5.00

Above units are supplied by us with wall flanges, illustrated below, to attach to any flat surface in place of pipe clamps when ordered. Specify which you wish otherwise we will ship with pipe clamps.

Above spot and flood lamps are furnished with door on left side for left hand control when desired at no extra charge. Specify which you wish otherwise we will ship right hand control as above illustrated.



C903

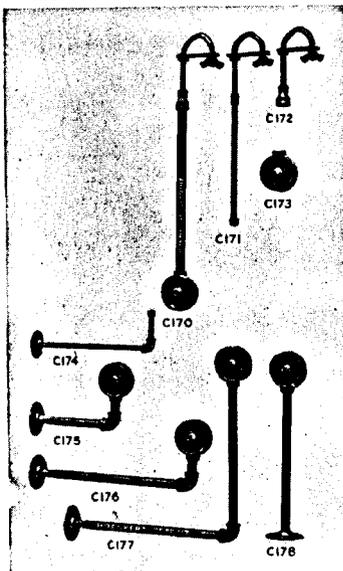
See page 28 for color frames for use with above units.

SUSPENSION ARMS FOR SUSPENDING BRENKERT LIGHTING UNITS FROM PIPE BATTENS

- Cat. No.
- C170. Pipe clamp with 12" nipple and swivel head. For suspending 400 or 1000 watt spot and flood lamp from pipe batten...\$3.75
- C171. Pipe clamp with small diameter 10" nipple. For suspending 250 watt spot and flood lamp from pipe batten.....\$2.45
- C172. Pipe clamp only. For attaching to 1", 1¼" or 1½" pipe batten. Threaded for ½" pipe nipple.....\$2.50
- C173. Swivel head casting only.....\$1.85

BRENKERT BRACKETS FOR ATTACHING SPOT AND FLOOD LAMPS AND FLOOD LAMPS TO WOOD BATTENS FLOOR, WALL OR CEILING

- C174. Side or overhead arm for 250 watt spot and flood lamp.....\$1.40
- C175. Side arm with swivel head for No. C802, 500 watt flood lamp.....\$2.75
- C176. Side arm with swivel head for No. C903, 500 watt flood lamp.....\$2.90
- C177. Side arm with swivel head for No. C505 or C605 spot and flood lamp.....\$3.00
- C178. Floor and overhead arm with swivel head for No. C505 or C605 spot and flood lamps, or 500 watt flood lamps.....\$2.70



INCANDESCENT LAMPS FOR USE WITH ABOVE SUSPENSION SPOT AND FLOOD LAMPS AND FLOOD LAMPS

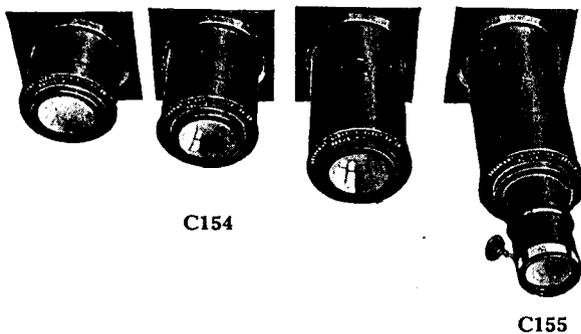
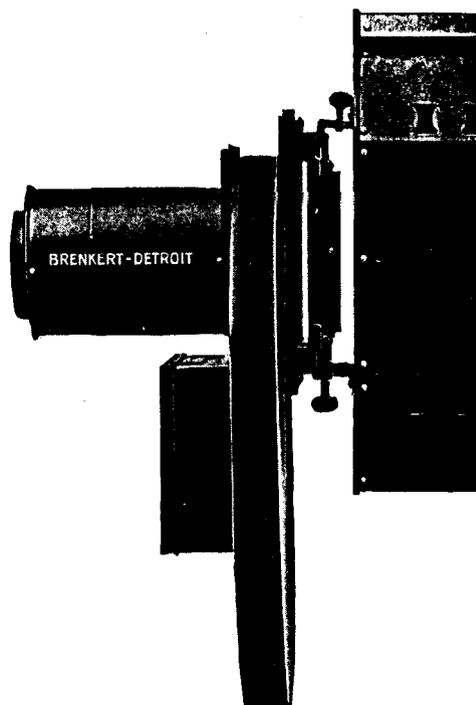
- 250 watt, 120 volt, G-30 Mazda Lamp.....\$ 1.75
- 400 watt, 120 volt, G-30 Mazda Lamp..... 3.00
- 500 watt, 120 volt, P. S. 40 Mazda Lamp..... 2.00
- 1000 watt, 120 volt, P. S. 52 Mazda Lamp..... 4.00
- 1000 watt, 120 volt, G-40 Mazda Lamp..... 6.75
- 2000 watt, 120 volt, G-48 Mazda Lamp..... 13.00

**METHOD OF PROJECTING SPRING DRIVEN SCENIC EFFECTS
FROM THE BALCONY OR BEHIND STAGE
ON A SPOT LAMP**

Illustration shows scenic effect disc and spring motor mechanism in metal casing with effect holder, attached to grooves on front of one of our 6 inch spot and flood lamps and stage. effect projection lens attached to effect casing. The effect holder carries a 5 inch diameter condensing lens which in conjunction with the condenser in the spot and flood lamp forms a combination similar to that of a stereopticon. The effect casing slips into this holder. The projection lens tube slips into grooves on the effect casing and is adjustable for focussing the effect disc onto a drop, wall, floor or ceiling

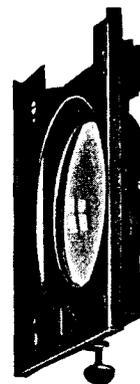
Scenic effects can not be satisfactorily projected from a spotlight at distances greater than 60 or 70 feet. For long distance projection of scenic effects from the booth use the Brenkert "F7" projector illustrated on page 4.

For list of "effects" see page 12.



**BRENKERT EFFECT
PROJECTION LENSES**

- C154. Complete as described and illustrated, 3 1/2" diameter 4", 6", 8", 10", or 12" focus, each \$17.50
- C155. Same as above except in rack and pinion mounting 2 1/8" diameter, 14" to 30" focus, each \$24.50

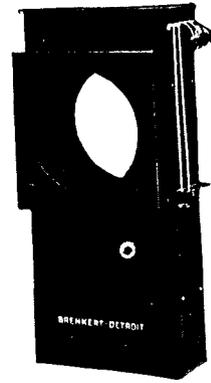


C151

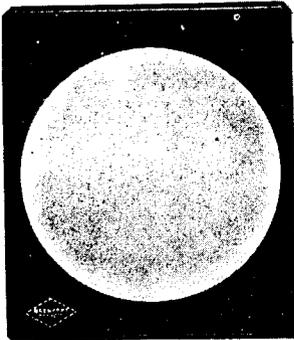
- C151. Stage effect holder complete with 5" diameter condensing lens, as described and illustrated \$10.00

Brenkert Color Box, Color Wheel, Color Slides, Iris Shutters Stage Connectors, Stage Plugs

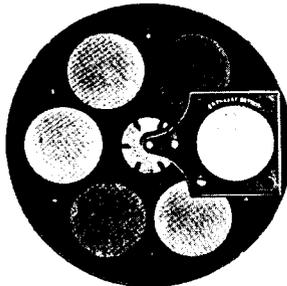
The BRENKERT METAL COLOR BOX, which fits into grooves on front of our 6" spot and flood lamps, is a metal box enclosing six 8 x 9 metal color slides with cord attached to each slide. One or more colors may be raised into path of light without necessity of passing through any colors that are not desired. Being more compact they are more easily operated than a color wheel and slides being enclosed protects gelatine against damage. Can be operated from either right or left hand side of spotlight and is fitted for attaching an iris shutter. Brenkert metal color box complete as above described and illustrated, with gelatine sheets.....\$18.00



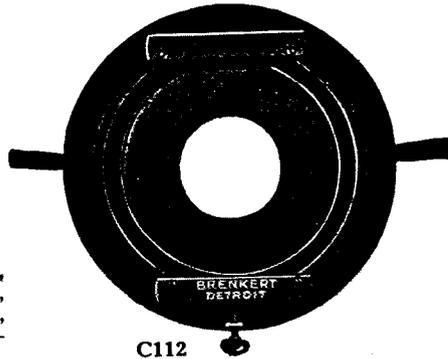
C114



Brenkert color slides for use in 5" and 6" spot-flood lamps.



C101. Brenkert 6" hole, 6 space color wheel, 5 colors inserted, Brenkert original indexing device \$6.50



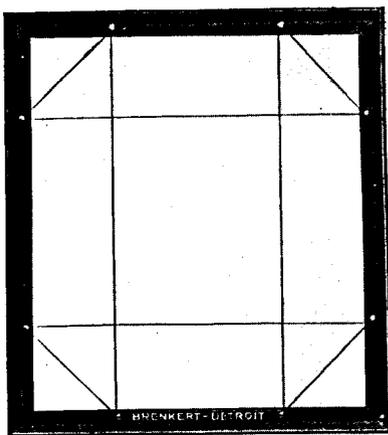
C112

C112. Brenkert 6" opening iris shutter complete ready to attach between edges of color grooves on 5" and 6" spot-flood lamps. This method of attaching does not interfere with operation of color wheel or color slides.....\$14.75

- C105 Metal color slide, size 8" x 9" for one color.....\$.45
- C106 Metal color slide, size 8" x 15" for two colors.... .85
- C107 Metal color slide, size 8" x 21" for three colors.. 1.45

STAGE CONNECTORS AND STAGE PLUGS

- C152. 5 ampere, 250 volt, 2 pin stage connector.....\$1.10
- C153. 15 ampere, 250 volt, 2 pin stage connector..... 1.50
- C158. 60 ampere, 250 volt, 2 contact stage plug..... 2.00

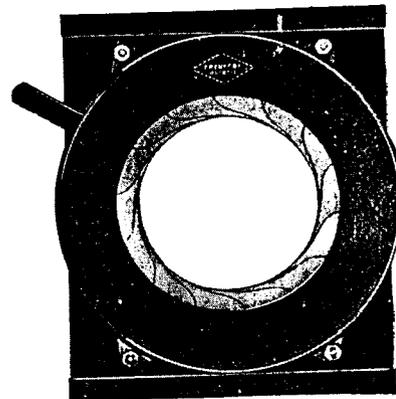


C108

BRENKERT METAL COLOR FRAMES

For use with 500 and 1000 watt flood lamps.

- C108. Size 18"x20" for use on 1000 watt flood lamps.\$1.80
- C109. Size 13"x15" for use on 500 watt flood lamps\$1.70



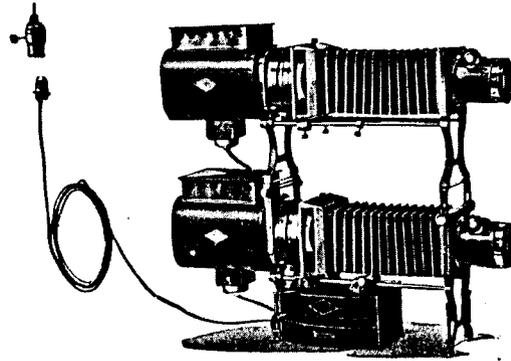
C111

C111. Brenkert 5" opening iris shutter complete with adapter to fit into color grooves on 5" and 6" spot-flood lamps in the same manner as color wheels.....\$13.50

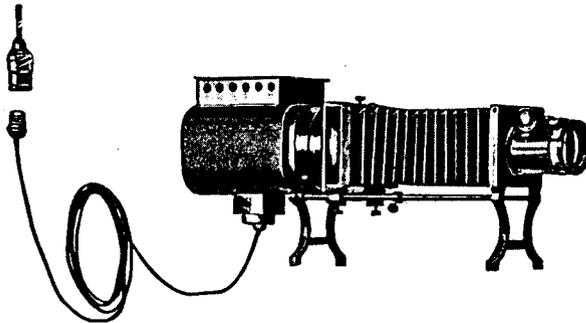
Brenkert "D2" Lantern Slide Projectors

WITH TABLE LEGS
500 TO 1000 WATT INCANDESCENT LAMP TYPE

4DD. Brenkert 500 watt dissolving lantern slide projector. Complete as illustrated with Brenkert patent electric dissolver, 400 watt, 110 volt incandescent lamps, slide carriers, $2\frac{1}{8}$ " diameter projection lenses in focus from 10 to 20 inches, 25 feet connecting cord and plug, metal carrying case.....\$135.00



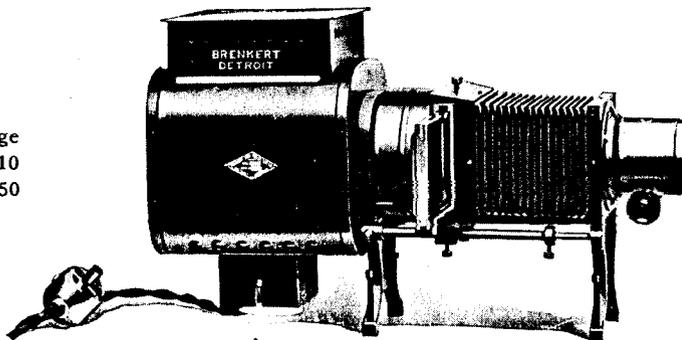
4DD



4D

4D. Brenkert 500 watt single lantern slide projector. Complete as illustrated with 400 watt, 110 volt lamp, slide carrier, projector lens in any focus from 10 to 20 inches, 12 feet connecting cord and plug, metal carrying case.....\$55.00

10D. Same as 4D except with large lamphouse and 1000 watt 110 volt lamp.....\$74.50

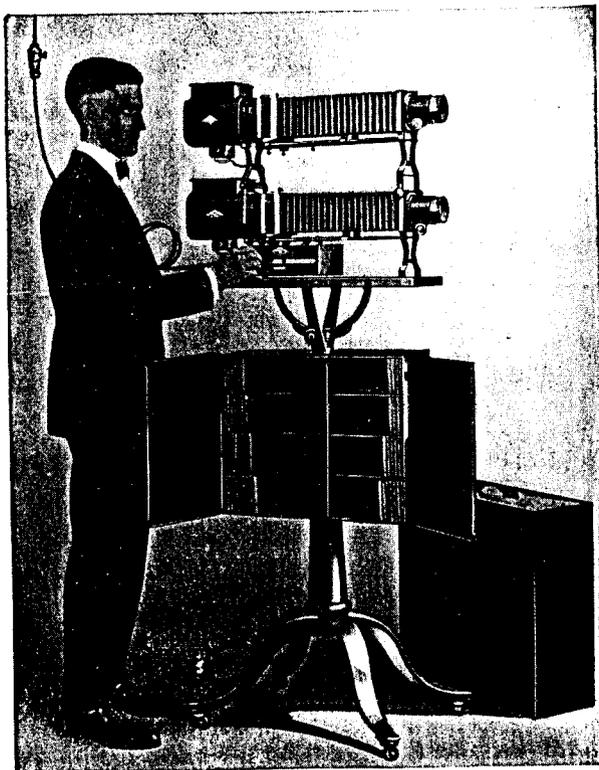


10D

Brenkert "D2" Lantern Slide Projectors

WITH FLOOR STAND
500 WATT INCANDESCENT LAMP TYPE

Brenkert 500 watt incandescent lantern slide projectors are in use in lodges, churches and schools in all parts of this country. They are the best equipments obtainable for this purpose and are made by us in single and dissolving forms. They attach to any lighting socket of 125 volts or less and will project images up to 12 feet in diameter at distances not exceeding 70 or 80 feet from the screen.



4DD-400

Above illustration shows the Brenkert 4DD dissolving lantern slide projector with Brenkert patent electric dissolver mounted on the number 400 all steel floor stand with steel cabinet, which fits over the lantern, and slide cabinet attached to upright standard. Locks and keys are furnished which render this equipment with these cabinets tamper proof and dust proof. Large, easy rolling casters on the base allow free and easy movement in and out of rooms and lockers. The entire equipment is finished in our silver green baked on enamel making all parts rust proof and presenting a pleasing appearance wherever shown.

4DD-400. Brenkert 500 watt dissolving lantern slide projector. Complete as illustrated with Brenkert patent electric dissolver, two 500 watt, 110 volt incandescent lamps, slide carriers, all steel floor stand with large diameter rubber tired casters, lantern cabinet and slide cabinet, locks and keys, $2\frac{5}{16}$ " diameter projection lenses in focus from 10 to 20 inches, 25 feet connecting cord and plug.....\$200.00

Projection Lenses, Condensing Lenses, Wire, Cable, Gelatine

Projection lenses supplied on all Brenkert products are of the best quality obtainable. They are of neat design and excellent workmanship, finished in nickel plate and ebony baked on enamel. The glass used is of best quality imported and carries our unconditional guarantee against chromatic and spherical aberration producing clearly defined images with perfect flatness of field. They are furnished complete in rack and pinion mounting with threaded attaching collar.

Cat. No.

M230	Brenkert projection lens, 1 $\frac{5}{8}$ " diameter, in any focus from 6" to 14" by 2" steps. Complete in rack and pinion mounting with attaching flange.....	\$12.50
M231	Brenkert projection lens, 2 $\frac{3}{16}$ " diameter, in any focus from 12" to 36" by 2" steps. Complete in rack and pinion mounting with attaching flange.....	21.50
F107	Brenkert projection lens, 3" diameter, single achromatic in any focus from 7" to 30" in 1" steps and from 32" to 36" in 2" steps. Mounted in swivel collar with retainer ring. Used on Brenkert F3 combination effect projector. Each.....	16.50
Unmounted projection lenses for use on Brenkert F7 Master Brenograph.		
F729	Brenkert projection lens, 4" diameter, single achromatic, unmounted, in any focus from 10" to 28" in 1" steps. Used on the Brenkert F7 Master Brenograph. Each.....	\$21.50
F730	Brenkert projection lens, 4" diameter, single glass, Bi-convex, in any focus from 30" to 40" in 2" steps. Each.....	3.75

Plano-convex condensing lenses furnished by us are of best quality French imported highly polished and well annealed and are carried in stock in the following sizes.

Cat. No.

Cat. No.

M206	3 $\frac{1}{2}$ " diameter, 6" focus.....	\$.95	M216	5" diameter, 9" focus.....	\$ 2.50
M207	3 $\frac{1}{2}$ " diameter, 8" focus.....	.95	M217	5" diameter, 12" focus.....	2.50
M208	3 $\frac{1}{2}$ " diameter, 10" focus.....	.95	M219	6" diameter, 9" focus.....	3.00
M210	4 $\frac{1}{2}$ " diameter, 6 $\frac{1}{2}$ " focus.....	1.50	M220	6" diameter, 12", 14", 16", 18", 20" focus.....	3.00
M211	4 $\frac{1}{2}$ " diameter, 7 $\frac{1}{2}$ " focus.....	1.50	M222	8" diameter, 16", 18", 20", 22", 24" focus.....	8.00
M212	4 $\frac{1}{2}$ " diameter, 8 $\frac{1}{2}$ " focus.....	1.50			
M213	4 $\frac{1}{2}$ " diameter, 9" focus.....	1.50			
M214	4 $\frac{1}{2}$ " diameter, 10" focus.....	1.50			

Underwriters approved stage cable is used on Brenkert equipment in the following sizes and is carried in stock by us.

Cat. No.		Ft.	Cat. No.		Ft.
M250	Double conductor No. 16.....	\$.05	M254	Double conductor No. 6.....	\$.30
M251	Double conductor No. 14.....	.08	M255	Double conductor No. 4.....	.38
M252	Double conductor No. 10.....	.10	M256	Double conductor No. 2.....	.55
M253	Double conductor No. 8.....	.20			

Approved asbestos covered wire is used on Brenkert equipment in the following sizes and is carried in stock by us.

Cat No.		Ft.	Cat. No.		Ft.
M260	Single conductor No. 16.....	\$.07	M264	Single conductor No. 6.....	\$.17
M261	Single conductor No. 14.....	.09	M265	Single conductor No. 4.....	.25
M262	Single conductor No. 10.....	.12	M266	Single conductor No. 2.....	.32
M263	Single conductor No. 8.....	.14			

Colored sheet gelatine is furnished by us in extra quality grade in sizes 18" x 21" for use in Olivette flood lamps and 7" x 8" for use in color wheels and color slides for spot-flood lamps. We carry in stock all standard colors and shades of blue, red, green, amber, brown, pink, purple, yellow.

Cat. No.

M200	Extra quality sheet gelatine, size 7" x 8", one set of five sheets of different colors.....	\$.80
M201	Extra quality sheet gelatine, size 18" x 21", per sheet.....	.40

BRENKERT CATALOG No. 26

January 1929

Supersedes All Previous Issues

Guarantee

ALL BRENKERT PRODUCTS ARE
GUARANTEED TO BE EXACTLY AS
REPRESENTED AND AGAINST DE-
FECTIVE MATERIALS OR INFERIOR
WORKMANSHIP