SIMPLEX DE LUXE PROJECTOR

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SIMPLEX SUPER MAGNARC PROJECTOR

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SIMPLEX MAGNARC PROJECTOR

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SIMPLEX PEERLESS PROJECTOR

•

SIMPLEX REGULAR PROJECTOR

and

SIMPLEX ACCESSORIES

Simplex
The International Projector

INTERNATIONAL PROJECTOR CORPORATION
88-96 GOLD STREET NEW YORK, N. Y., U. S. A.

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SECTION I

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This Catalog is one of a series giving description and details of

SIMPLEX PROJECTORS

SIMPLEX ACME SOUND PROJECTORS

SIMPLEX PORTABLE SOUND PROJECTORS

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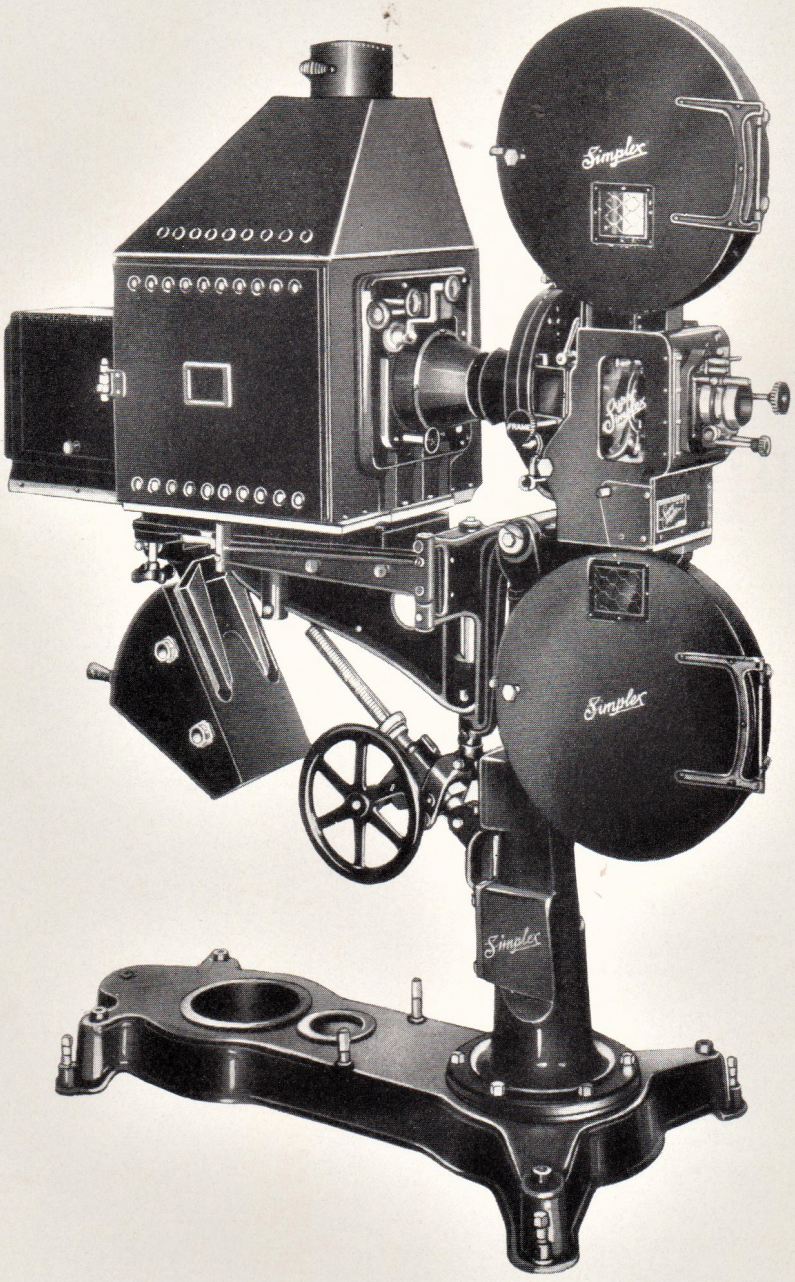
Simplex De Luxe Projector

Simplex De Luxe Projector



Equipment Specifications:

Super-Simplex Mechanism with Type "R" Pedestal, 200 Ampere Switch, 18″ Magazines, HC–10 Super Intensity Arc Lamp and Lamphouse, with Cinephor Condensing System

Code word—"Delux"

Simplex De Luxe Projector

• The greatly enlarged seating capacity of theatres, audiences that are now aware of the difference between good and bad projection, larger screens, longer throws, the introduction of sound and color, and greatly increased operating hours, brought about conditions which led to the development of the revolutionary Super Simplex Projector. An explanation of the great success of Super Simplex Projector is its ease of operation, sturdiness, increased dependability, reduction of maintenance cost, and a general adaptability which solves the problems created by the tremendous technical changes in the motion picture field. Illuminating requirements vary, but operating conditions are essentially the same in all theatres, and Simplex Mechanism has created and maintained world standards of visual projection for many years. In the Super Simplex Projector has been incorporated many important, special and patented features, in addition to basic mechanical superiority which fully meet the varied requirements of sound and illumination in all theatres regardless of size.

• Increased screen illumination developed more heat and this created buckling and other difficulties which caused serious injury to film. This greatly reduces the quality of screen presentation, and unfavorably affects box office receipts. Attempts to solve the problem were not satisfactory until the introduction of the Super Simplex Projector with Rear Shutter, which has been remarkably successful in extensive practical use. The Super Simplex Rear Shutter, which is an integral part of the Super Simplex Mechanism and not an attachment, is the most important advance in projector design for many years, and through its use illumination is greatly increased and according to operating conditions the heat at the aperture plate is reduced from 50 to 75%. These remarkable results are secured by interposing the Super Simplex Rear Shutter between the arc lamp

and the film and the blades function so that the shutter acts as a fan or cooling device. Air currents set up by the Rear Shutter keep the film cool and thereby prevent buckling and other damage to the film caused by heat. The width of the Super Simplex Rear Shutter blade does not depend on the size of the lens, and this shutter with a 90° effective blade can be used with a half size lens instead of 102° as a minimum which was necessary with the old type shutter. The shutter blades are carefully protected by a rigid circular shield, and the Shutter Bracket, which is a most important addition, spans longitudinally the whole mechanism supporting the Shutter Shaft, and the bearing surfaces are over 11″ apart. The Shutter Bracket carries the Shutter Guard, also the frame and door opening handles.

LENS MOUNT

• The Lens Mount in the Super Simplex is designed so as to support the lens at two points. A Series II or half size lens is supported at two points of contact about 4″ apart. Where Series I or quarter size lenses are used, an adaptor is furnished. With this lens system the light path is entirely enclosed, and the lens mount of the Super Simplex Mechanism is integral with the frame. A single focusing knob is provided, conveniently placed for easy control, and focusing is micromatic.

• Where effect masks are used it is sometimes necessary to quickly change lenses from one focal length to another, and each and every lens must be absolutely in focus without adjustment by the projectionist when the change is made. This is admirably taken care of on the Super Simplex by sharply focusing the lens, slipping the lens clamp over the front end of the lens barrel, bringing the clamp tightly against the front lens mount and securely locking on the lens barrel. By the use of the fixed focus clamps, any number of lenses once focused, may be readily removed and replaced and always remain in focus.

OILING SYSTEM

• A new, extremely simple and very efficient oiling system is now a part of the Main Frame Assembly. All oil tubes with the exception of one can be plainly seen upon opening the mechanism door. Oiling can be done thoroughly and systematically, and a few drops placed within the tubes each day will be more than sufficient to take care of proper lubrication. This greatly reduces the tendency to use an excessive amount of oil and corrects conditions which heretofore have been very objectionable.

EYE SHIELD

• The new Eye Shield which entirely encloses the light beam and protects the projectionist's eyes from the bright rays of the spot at the aperture may be readily removed for cleaning.

THREADING AND FRAMING LAMP

• Patented Framing Lamp Assembly which is of special design directs a strong beam of light up behind the eye shield to the aperture and permits the projectionist to readily place the film in frame while threading the projector. A small switch is provided to throw the lamp on or off at will, and the entire assembly may be removed and replaced without difficulty.

TYPE "R" PEDESTAL

• The introduction of sound, which required the installation of special equipment on the projector, further increased unsteadiness of the picture. Such changes subjected the projector to new conditions and strains that could not well have been anticipated in the original design, and the Type "R" Pedestal which is sturdily built and well balanced was designed and constructed with a complete understanding of modern requirements. It will adequately support any of the heavy lamphouses now in use as well as any of the available major sound units, and when the stand is accurately set and locked in position

all vibration is eliminated. Adjustments may easily be made to any angle of projection by means of a heavy threaded worm and worm wheel through a large hand wheel for ease of manipulation.

LAMP AND LAMPHOUSE

• The HC-10 Super Intensity Projection Arc Lamp, made by Hall & Connolly, Inc., the world's most noted manufacturers of high intensity lamps, is designed and constructed for the largest super de luxe houses where the demand for exceptional brightness and uniformity of screen illumination is given precedence over all other considerations. It is highly efficient, ruggedly constructed, well ventilated and unrivaled in the field for which it is intended. The HC-10 Super Intensity Projection Arc Lamp is easy to operate, maintenance costs are not excessive, and its life is about double that of earlier models.

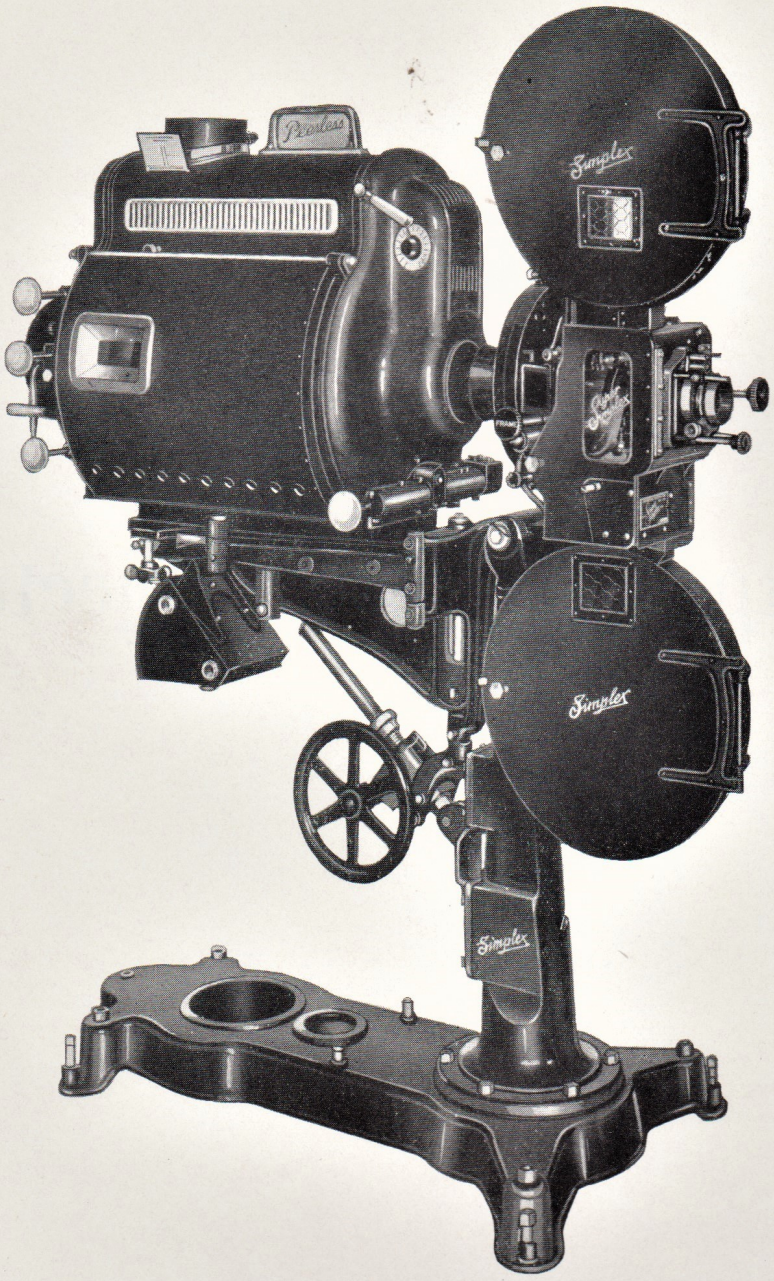
• The lamp is equipped with series-solenoid for striking the arc which acts to separate the carbons by simply sliding the negative carbon clamp along the negative guide tracks, which avoids a multiplicity of parts and promotes reliability. The construction of the lamp also insures the negative carbon traveling in a straight line throughout the complete trim and gives rigidity to the whole mechanism. All bearings subject to wear are fitted with either rollers, balls or self-lubricating sleeves. All sliding bearings have low coefficients of friction. No lubrication is required except in the motor and motor worm gear casing. In the HC-10 Lamp, the magnetic forces, or stray fields, are neutralized by arranging the incoming power conductors in such a way that they form a solenoid of such polarity as to oppose the disturbing fields. Disturbing fields give rise to sudden and undesirable surges in the illumination on the screen which is the principal cause of light flickering. HC-10 Lamp provides a gently flowing, steady arc flame at even overloaded conditions, and thus prevents flickering. The complete lamp mecha-

nism is made up of six simple, easily detachable units, all attached to a suitably shaped cast iron frame. This lamp mechanism is complete in itself and may be operated without the lamphouse. It is inserted into the lamphouse from the rear and slides on two substantial and accurate tracks located in the bottom of the lamphouse. The back plate of the lamp unit closes the rear opening in the lamphouse.

• SPRING CHUCK POSITIVE CARBON GRIP, no feed rollers, is very convenient, and guaranteed not to slip or break the carbon. This holder, in itself, constitutes a "carbon saver," as it grips the carbon at the very extreme end and travels right up to the positive contacts. Among the other important features of the HC-10 Lamp are Positive Carbon Indicator Dial, which shows at a glance the state of positive trim, a 200 Ampere Ammeter, Hand Feed Handles conveniently located and handy to operate, complete concealment of all gears and worms, Condenser Focusing and Adjusting Handles, and a substantial and accurate Condenser Ring.

Simplex
Super Magnarc Projector

Simplex Super Magnarc Projector



Equipment Specifications:

Super-Simplex Mechanism, Type "R" Pedestal, 100 Ampere Switch, 18″ Magazines, Peerless Magnarc Lamp.

Code word—"Sumag"

Simplex Super Magnarc Projector

• This equipment is identical with the Simplex De Luxe Projector except for the Peerless Magnarc Arc Lamp and the 100 Ampere Switch instead of 200 Ampere. The Peerless Magnarc Arc Lamp is the latest of the Peerless Lamps, manufactured by the J. E. McAuley Manufacturing Co., which for many years have had a worldwide reputation. Although a recent development the new Magnarc Lamp has already proved its practical excellence by actual use in many important theatres in this and other countries, and will be found to meet the most exacting requirements except in a limited number of super de luxe houses. It is substantially built, easily operated, maintenance cost is low, and the quality of the light is an additional assurance of high grade screen presentation. Theatre owners who have been unable to secure satisfactory screen presentation, owing to the high cost of equipment and operating charges, will find that the Simplex Super Magnarc Projector with the Magnarc Lamp completely solves their problems. In design and construction the new Magnarc Lamp will unquestionably meet all the requirements of the field for which it is intended.

• The Magnarc Lamp is much larger and more substantially built than any of the previous models of Peerless Lamps, and represents a definite engineering advance. Excellent screen results are secured with this lamp and owners and managers will also find it extremely economical in cost of both current and carbon. The optical system is highly efficient with a 14″ elliptical reflector using Suprex Carbons which are of the copper coated variety. Suprex Carbons have cores of a nature similar to the regular high intensity carbons and give the same characteristic light, but at a considerably lower cost. The Magnarc takes a full 12″ trim of positive carbon operating on a low voltage, ranging from 30 to 40, according to current, with a light value comparable to the best high in-

tensity arcs when utilizing about 45 amperes at 35 volts. The low amperage at which the Magnarc Lamp is operated greatly reduces the heat, is a definite factor in extending the life of the lamp, and a decided factor in reducing operating costs. Using 45 amperes the recommended carbon sizes are 7 mm. by 12″ copper coated positives, and 6 mm. by 9″ copper coated negatives. For amperages ranging between 50 and 65 (65 amps. being the maximum) carbon sizes are as follows: 8 mm. x 12″ positive and 6½ or 6 mm. by 9″ negatives. Current consumption is very low as for example—using 45 amps. with an arc voltage of 35, it is only 1575 watts. Therefore, from this low wattage a light can be obtained of a quality equal to that from a high intensity arc lamp using 5000 watts.

• A permanent magnet is employed for the purpose of stabilizing the positive flame, and the arcs, therefore, can be used in any type of theatre, no matter what the angle or inclination. Stabilization of the positive flame keeps it at all times parallel to the face of the mirror, and thus there is no danger of the flame damaging the mirror. A double dowser with a single control is used to shut the light from the aperture, and also to drop in front of the positive crater to protect the mirror. A door swinging outward is provided at the rear of the housing for cleaning and inspection. This door also carries outwardly a complete arc control to regulate the mechanism, and at the rear of the mirror a door is also furnished to permit the trimming of the negative carbon. Although the mirror has a diameter of 14″ it has an operating life much longer than the ordinary mirror in general use, and this is due to the special system of ventilation provided to keep the interior cool. The Peerless Magnarc Lamp is finished in Frostine and Chromium with onyx controls, and will retain its attractive appearance under all ordinary working conditions.

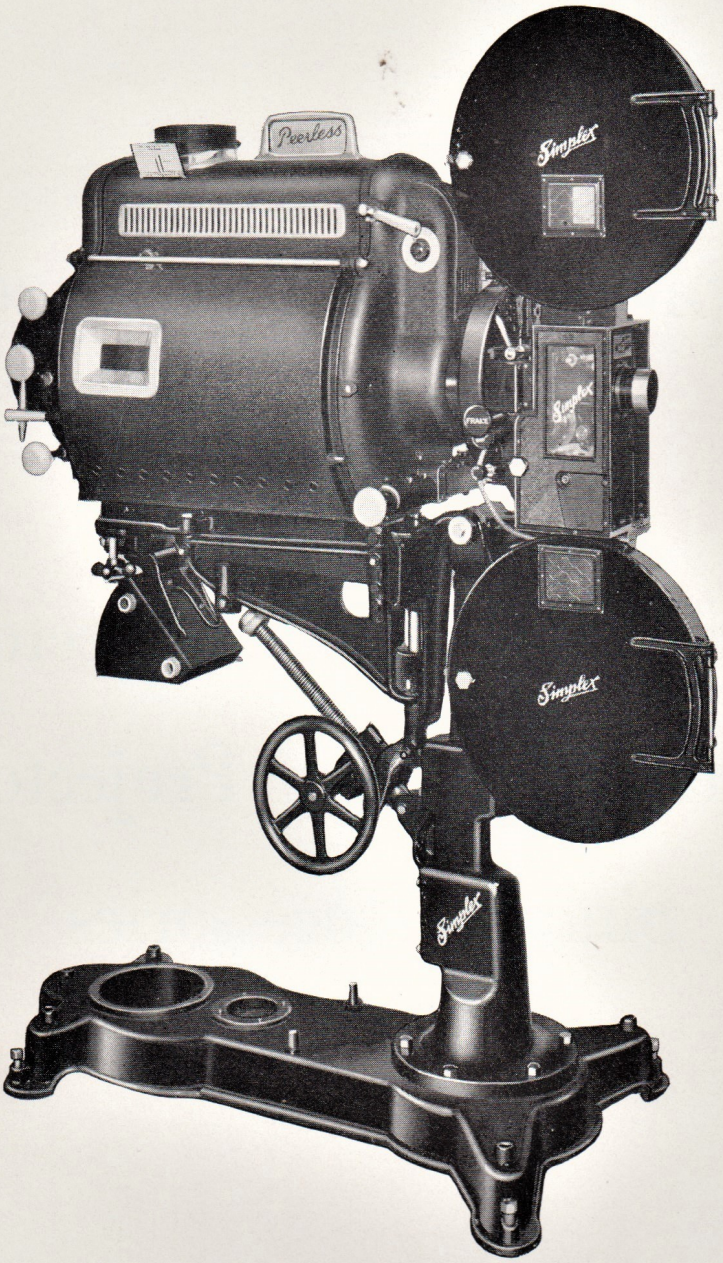
Simplex Magnarc Projector

Simplex Peerless Projector

Simplex Regular Projector

Simplex Accessories

Simplex Magnarc Projector



Equipment Specifications:

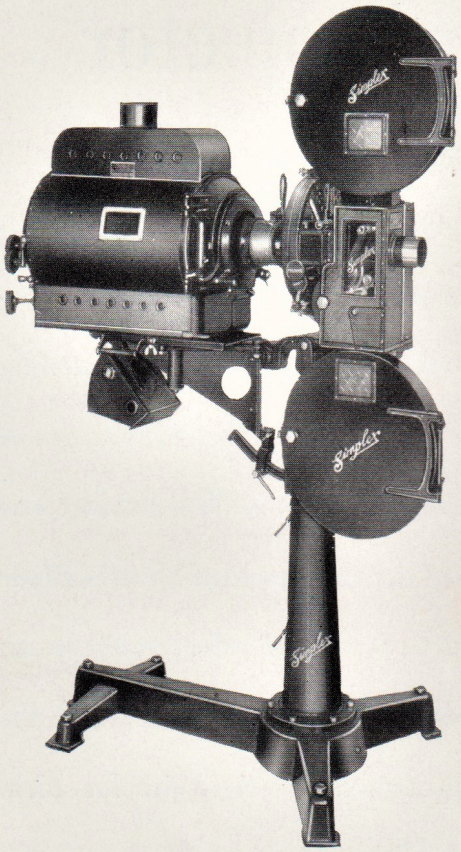
Simplex Rear Shutter Mechanism, Type "R" Pedestal, 100 Ampere Switch, 18″ Magazines, and Peerless Magnarc Lamp.

Code word—"Srmag"

Simplex Magnarc Projector

• This equipment is exactly the same as the Super Magnarc Projector shown on Page 10 except that this equipment includes the Simplex Regular Mechanism with Rear Shutter. The Rear Shutter is one of the revolutionary improvements of the Simplex Projector, and the remarkable increase in illumination and reduction of heat is secured by interposing the Rear Shutter between the arc lamp and the film. The advantages of improved screen presentation are quite obvious and the reduction of film damage and danger are too important to be overlooked. The width of the Simplex Rear Shutter Blade does not depend upon the size of the lens, and this shutter with a 90° effective blade can be used with a half size lens instead of 102° as a minimum which is necessary with the front type shutter. The shutter blades are carefully protected by a rigid circular shield and the Shutter Bracket which is also an important addition, spans longitudinally the whole mechanism supporting the Shutter Shaft. Reduced operating costs and lowered maintenance charges in themselves fully justify the selection of the Rear Shutter.

Simplex Peerless Projector

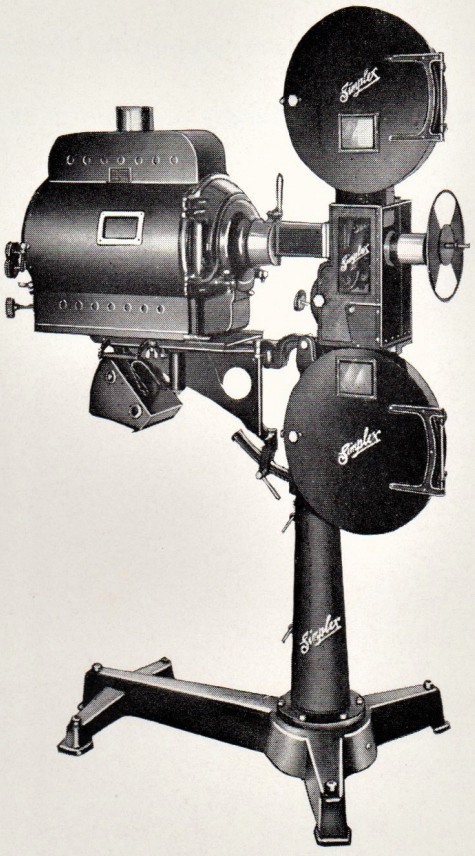


Equipment Specifications:

Rear Shutter Mechanism, Five Point Type "L" Pedestal, 60 Ampere Switch, 16″ Magazines, Peerless Low Intensity Reflector Arc Lamp and Lamphouse.

Code word—"Simlo"

Simplex Regular Projector



Equipment Specifications:

Simplex Front Shutter Mechanism, Five Point Type "L" Pedestal, 60 Ampere Switch, 16″ Magazines, Peerless Low Intensity Reflector Arc Lamp and Lamphouse.

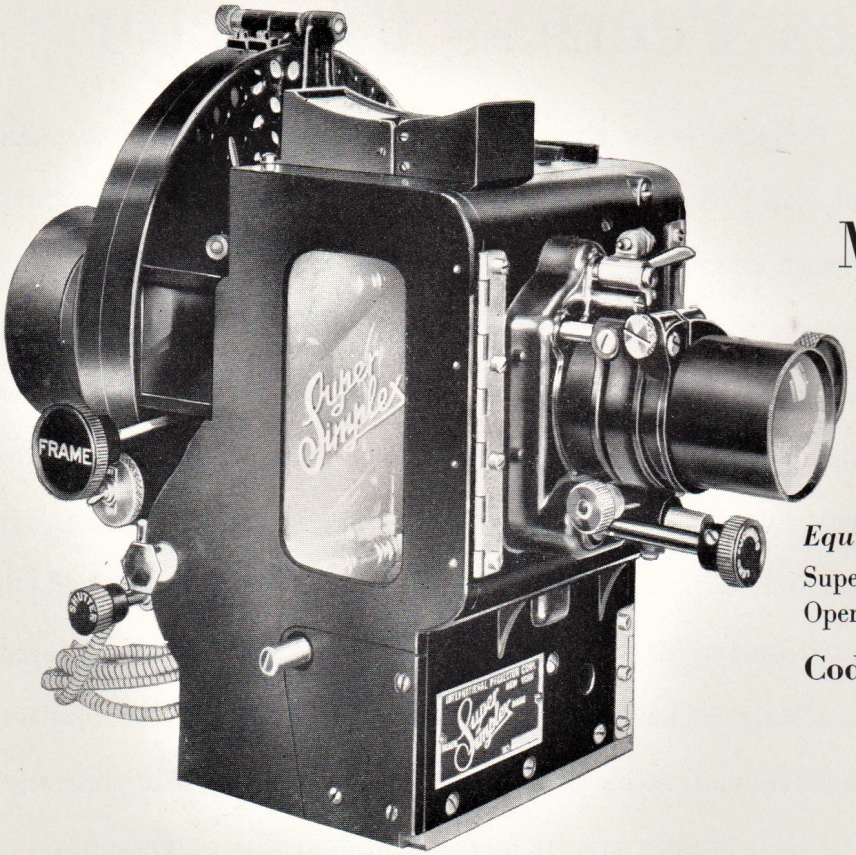
Code word—"Sireg"

Simplex Peerless Projector

• The Simplex Peerless Projector is the Regular Simplex with the Peerless Lamp and Rear Shutter, which for many years has been giving very satisfactory results in thousands of theatres, although now there is a very decided demand for Super Simplex Projector. In some instances the lower cost of the Simplex Peerless Projector may be important, but on no other ground can we advise the purchase of this equipment in preference to other Simplex models. If price is the determining factor, there need be no hesitancy whatever in selecting Simplex Peerless Projector. Materials and workmanship are exactly the same as in all Simplex Projectors. The Peerless Low Intensity Lamp is extensively used, and its wide popularity is based upon many important advantages, although the new Peerless Magnarc Lamp is unquestionably superior. The Rear Shutter, however, has many outstanding advantages, and we strongly advise its use in preference to the front shutter. The Rear Shutter greatly increases illumination and according to operating conditions the heat at the aperture plate is reduced from 50 to 75%.

Simplex Regular Projector

• The Simplex Regular Projector is equipped with Front Shutter and the Peerless Lamp, and the reputation of this company is very largely based upon our record for many years in the manufacture of this model. The Simplex Regular Projector will unquestionably give excellent results, but we must emphasize the desirability of ordering one of our newer models if financial conditions do not make this difficult, or we recommend at least the selection of the Simplex Regular Projector with the Rear Shutter and one of the more modern lamps. The improvements will more than pay for themselves over a period of time through lower operating and maintenance costs, in addition to greatly superior screen results.



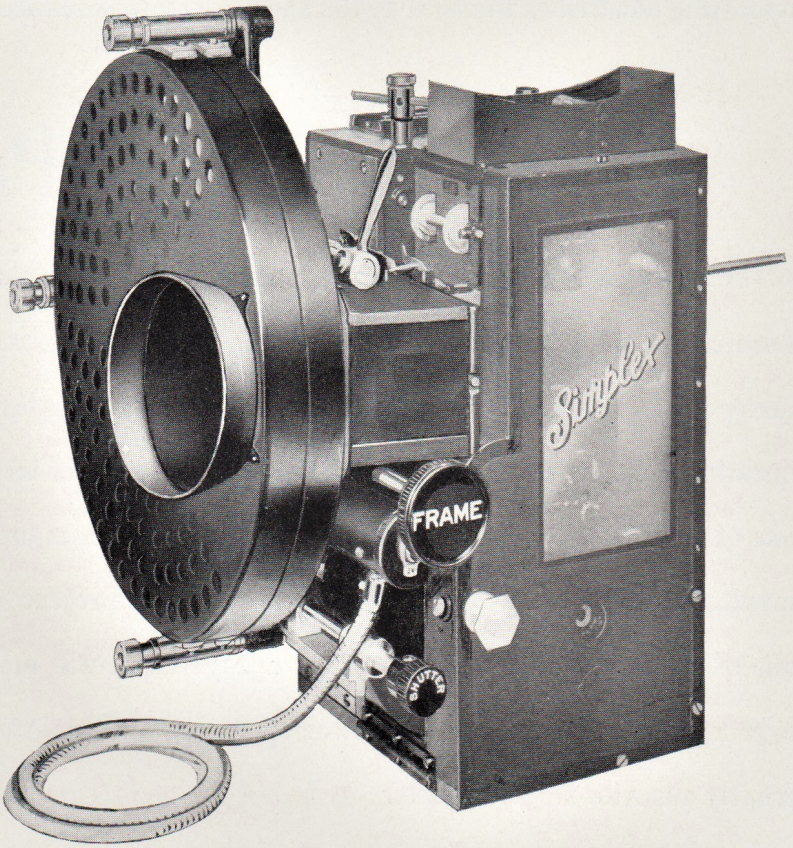
Super Simplex Mechanism

Equipment Specifications:
Super Simplex Mechanism. Operating side closed.

Code word—"Sumec"

Simplex Rear Shutter Mechanism

Code word—"Remec"



Simplex Mechanisms

• The Simplex Mechanism is equipped with a shutter setting device by means of which travel ghost may be eliminated while the projector mechanism is in operation. All steel used for shafts is manufactured to our own specifications and where high speed duty is required, they are specially hardened and ground. Shafts are exceptionally large in diameter and therefore ample for all requirements. Shafts are carried in bearings of exceptional length, cast in the main frame, and friction is reduced to a minimum. Possibility of shafts getting out of alignment is practically eliminated. All gears are generated from cast iron, tool steel or formica blanks, which are carefully tested for accuracy by special gear gauges. The use of formica reduces gear noise, increases strength, and also absorbs shock and vibration.

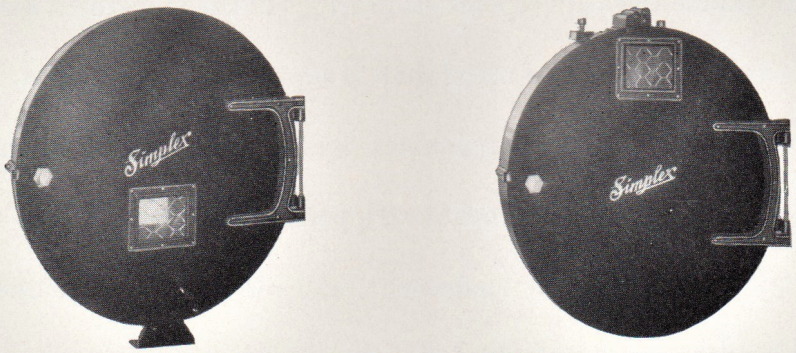
• As the Intermittent Movement is the very heart of the Motion Picture Projector, the utmost care has therefore been given to the design and construction of the Simplex Intermittent. It is entirely enclosed, easy to clean and keep clean. Every part is replaceable and accurately machined. A special patented feature of the Simplex Intermittent Double Bearing Movement permits ready adjustment when wear occurs so that the star wheel can be brought in proper relation to the cam ring. Precision workmanship and design make it possible to easily replace all bearings of the movement assembly. There are no eccentric bushings, and star wheel shaft is supported on either end. The sprockets are cut on precision tooth-cutting machines, and tests are made to insure absolute accuracy on all wearing parts. Sprocket strippers which prevent film from winding around the sprockets are regular equipment, and other features include replaceable bushings, convoying stripper and glass oil sights.

• All Oiling Points are conveniently located. The Cast Iron Film Trap is thoroughly re-

enforced to prevent warpage and so constructed that the film tension shoes contact only with the celluloid base of the film, and danger of damaging the emulsion thereby reduced to a minimum. The film gate is readily removed from the mechanism so that free access is secured to all parts of the trap and gate for the purpose of cleaning away emulsion, dust or dirt. Simplex Film Trap may be equipped with fixed or slip-in apertures as desired. Once the gate is closed, it remains positively locked in position during the projection of the picture but the gate locking device may be readily released by slight pressure of the finger. When slip-in apertures are provided, it is possible to use effect masks, and masks of other standardized dimensions. The Fire Shutter is of the gravity type, no friction being employed for its operation, and is controlled by centrifugal governors without springs and this insures positive action.

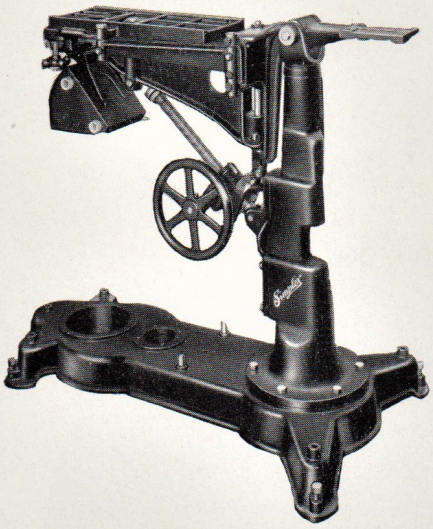
• The Center Frame of the Simplex Projector, upon which depends the operation of the entire mechanism, is made of close grained gray cast iron, which is universally recommended as a bearing metal. It is semi-porous thereby retaining a quantity of oil and this causes glazed surfaces to be formed by the revolving shafts. The frame is designed so as to reinforce all parts liable to strain in machining or in use. The bearings are of generous length—large in diameter, and drilled and reamed to exact size.

Simplex Magazines



Simplex Magazines are supplied in either 16 or 18″ diameter to accommodate all standard makes of 2000′ reels. They are substantially built in one piece without seams or

soldered joints. Windows are provided that the projectionist may determine the remaining footage on the outgoing reel, and substantial hinges and latches are also provided. The Simplex Take-up device is adjustable for any desired tension and the lower magazine shafts run in a hardened bearing. For convenience and adaptability two grooved pulleys are furnished permitting the use of reels with either 2″ or 5″ hubs. The Simplex Take-up device can be relied upon to function smoothly, and at the same time is a simple and rigid unit.



Type "R" Pedestal

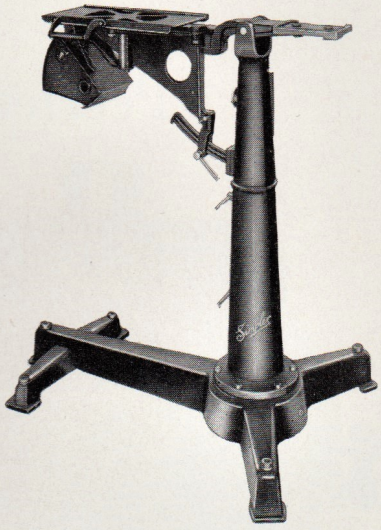
Code word—"Typer"

Simplex Type "R" Pedestal

The Type "R" Pedestal which is sturdily built and well balanced was designed and constructed with a complete understanding of modern requirements. It will adequately support any of the heavy lamphouses now in use as well as any of the available major sound units, and when the stand is accurately set and locked in position all vibration is eliminated. Adjustments may easily be made to any angle of projection by means of a heavy threaded worm and worm wheel through a large hand wheel for ease of manipulation.

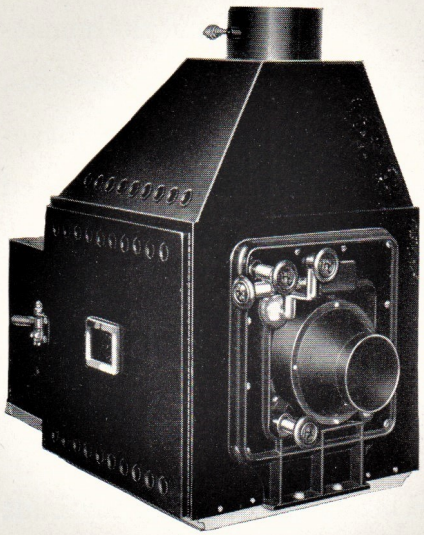
Simplex Type "L" Pedestal

Type "L" Pedestal has been used successfully for a great many years but, due to the large dimensions and extreme weight of modern equipment, it has been superseded by the Type "R" Pedestal. The Type "L" Pedestal, however, will be found sufficient for lighter lamphouses, magazines, etc.



Type "L" Pedestal

Code word—"Eltyp"

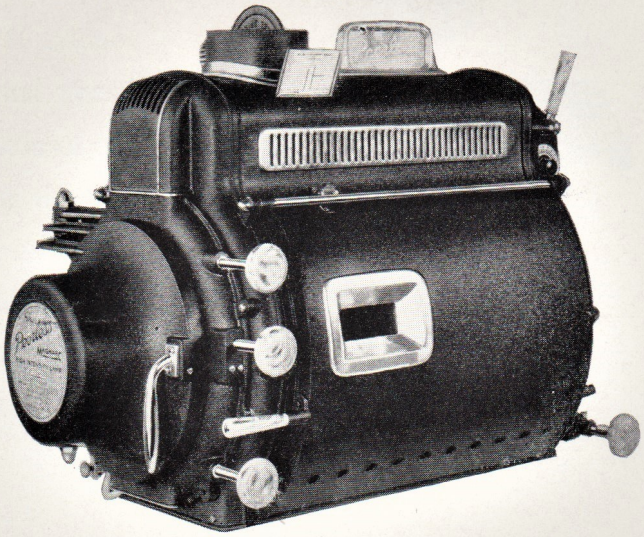


HC-10 Super Intensity Lamp

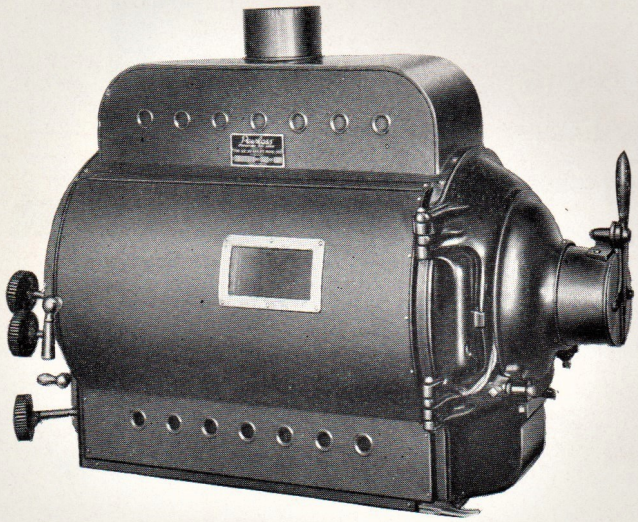
Code word—"Hcten"

Peerless Magnarc Lamp

Code word—"Magna"



Peerless Low Intensity Lamp



Code word—"Pelow"

HC-10 Super Intensity Lamp

• The HC-10 Super Intensity Projection Arc Lamp made by Hall & Connolly, Inc., the world's most noted manufacturers of high intensity lamps, is intended for the largest super de luxe houses where the demand for exceptional brightness and uniformity of screen illumination is given precedence over all other considerations. For the field for which it is intended, the HC-10 Super Intensity Projection Arc Lamp is unrivaled, operating and maintenance costs are not excessive, and the life of the lamp is about double that of earlier models. The lamp is equipped with a series-solenoid for striking the arc, which acts to avoid multiplicity of parts and promotes reliability. The negative carbon travels in a straight line throughout the entire trim, which greatly increases rigidity of the whole mechanism. All bearings subject to wear are fitted with either rollers, balls or self-lubricating sleeves. All sliding bearings have low coefficients of friction. No lubrication is required except in the motor and motor worm gear casing. HC-10 Lamp provides a gently flowing, steady arc flame at even overloaded conditions and incidentally prevents flickering.

• The complete lamp mechanism which is made up of six simple, detachable units, is easily removed and replaced. The Spring Chuck Positive Carbon Grip, no feed rollers, is very convenient, guaranteed not to slip or break the carbon, and the holder in itself is a "carbon saver" as it grips the carbon at the very extreme end and travels right up to the positive contacts. The HC-10 lamphouse, with its funnel shaped top, and ample, correctly situated air intakes, insures a cool and clean case for the lamp. Large doors on both sides and back provide ready access to all parts of the mechanism. Among the other important features of the HC-10 Lamp are Positive Carbon Indicator Dial, which shows at a glance the state of positive trim, a 200 Ampere Ammeter, Hand Feed Handles conveniently located and handy to operate, complete concealment of all gears and worms, Condenser Focusing and Adjusting Handles, and a large and accurate Condenser Ring.

Peerless Magnarc Lamp

• The Magnarc Lamp is much larger and more substantially built than any of the previous models of Peerless Lamps, and represents a definite engineering advance. Excellent screen results are secured with this lamp and owners and managers will also find it extremely economical in cost of both current and carbon. The optical system is highly efficient with a 14″ elliptical reflector using Suprex Carbons which are of the copper coated variety. Suprex Carbons have cores of a nature similar to the regular high intensity carbons and give the same characteristic light, but at a considerably lower cost. The Magnarc takes a full 12″ trim of positive carbon operating on a low voltage, ranging from 30 to 40, according to current, with a light value comparable to the best high intensity arcs when utilizing about 45 amperes at 35 volts. The low amperage at which the Magnarc Lamp is operated greatly reduces the heat, is a definite factor in extending the life of the lamp, and a decided factor in reducing operating costs. Using 45 amperes the recommended carbon sizes are 7 mm. by 12″ copper coated positives, and 6 mm. by 9″ copper coated negatives. For amperages ranging between 50 and 65 (65 amps. being the maximum) carbon sizes are as follows: 8 mm. x 12″ positive and 6½ or 6 mm. by 9″ negatives. Current consumption is very low, as, for example: using 45 amps. with an arc voltage of 35, it is only 1575 watts. Therefore, from this low wattage a light can be obtained of a quality equal to that from a high intensity arc lamp using 5000 watts.

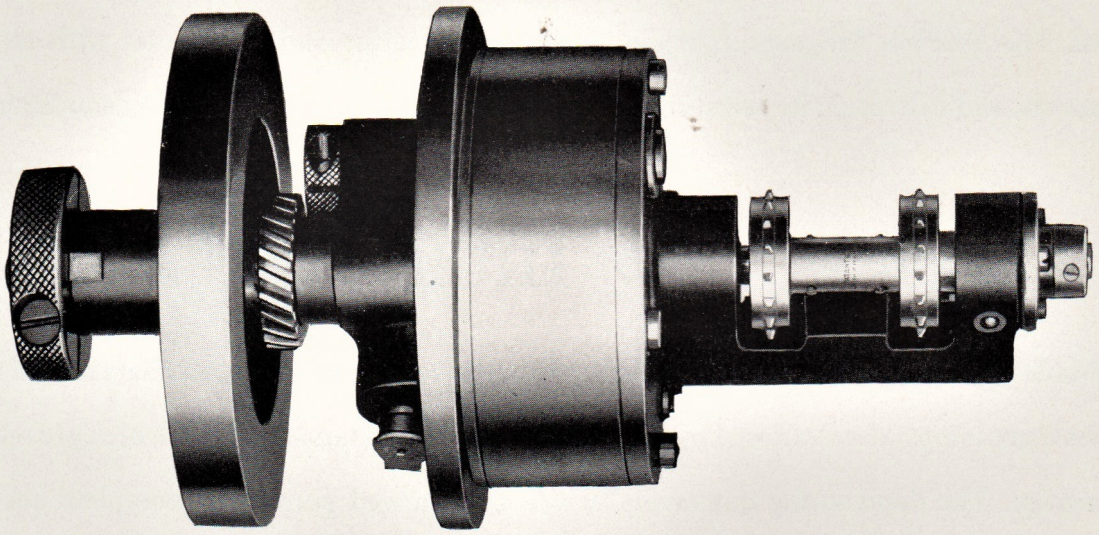
• A permanent magnet is employed for the purpose of stabilizing the positive flame, and the arcs therefore, can be used in any type of theatre no matter what the angle or inclination. Stabilization of the positive flame keeps it at all times parallel to the face of the mirror, and thus there is no danger of the flame damaging the mirror. A double dowser with a single control is used to shut the light from the aperture, and also to drop in front of the positive crater to protect the mirror. A door swinging outward is provided at the rear of the housing for cleaning and inspection. This door also carries outwardly

a complete arc control to regulate the mechanism, and at the rear of the mirror a door is also furnished to permit the trimming of the negative carbon. Although the mirror has a diameter of 14″ it has an operating life much longer than the ordinary mirror in general use, and this is due to the special system of ventilation provided to keep the interior cool. The Peerless Magnarc Lamp is finished in Frostine and Chromium with onyx controls, and will retain its attractive appearance under all ordinary working conditions.

Peerless Low Intensity Lamp

• Made by J. E. McAuley Manufacturing Co., the world's largest manufacturers of reflector arc lamps, the Peerless Low Intensity Lamp is substantially built which prevents warpage. The doors swing outwardly or can be removed permitting complete accessibility to all parts, and design provides ample ventilation. The light cone completely encloses the light beam between the large concentrating lens and mechanism eye shield, and is exceptionally long. The end supporting the dowser assembly is small in diameter, shutting out all stray rays of light. The pilot light is mounted in a small cast housing designed to permit convenient trimming. The arc control is a separate unit connected to the lamp by a telescopic universal feed shaft. Electrical actuating parts are enclosed in a cast dustproof housing, the top of which may be easily removed. Representing good engineering practice the control is mounted at the side and outside of the lamphouse, and is supported by the lamphouse base. Moving parts and gears are fully enclosed, operating in an oil bath, protecting them from undue wear caused by accumulation of dust and grit, and providing proper lubrication. Gear shaft bearings are accurately ground and machined. All actuating elements of the control are instantly accessible and can be adjusted even while in operation. The arc control action is extremely sensitive operating on the change in the arc gap of a fraction of a volt, insuring constant light intensity. The gap adjustment knob is handily reached for adjustment.

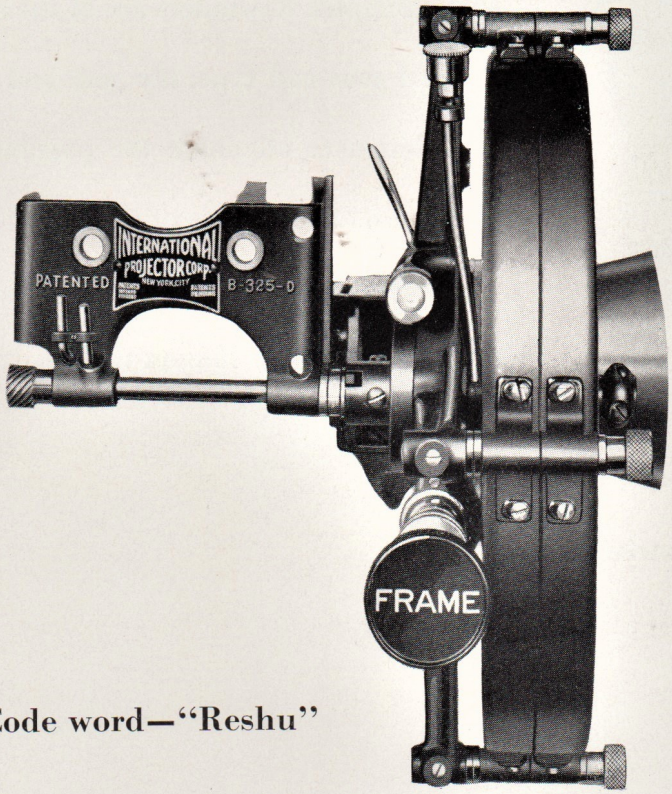
Super Simplex Double Bearing Intermittent Movement



Code word—"Sumov"

• The Intermittent Movement of the Super Simplex Mechanism is equipped with hardened and ground Star Wheel, Cam and Cam Pin, which provide far more accurate adjustment and assure extremely long life in operation. The accuracy with which this movement is constructed also gives a projected picture having a steadiness heretofore unattainable. This accuracy, however, presents special lubrication problems and the Simplex lubricant recommended for the Super Simplex Double Bearing Intermittent Movement is the result of continued improvement based upon our wide knowledge of practical operating requirements. Super Simplex Double Bearing Intermittent Movement will undoubtedly prove far more economical than any other intermittent movement now on the market as it will wear much longer. The reduction of wear on the Super Simplex Double Bearing Intermittent Movement also lowers maintenance costs on the entire mechanism as wear on one part sets up a chain of wear.

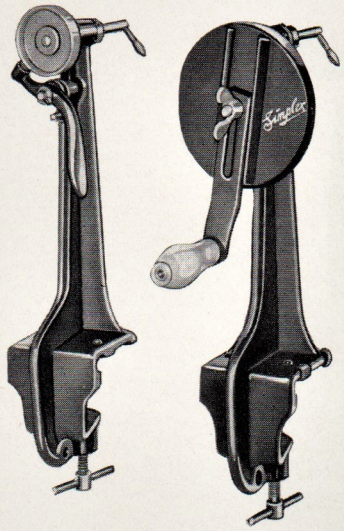
Simplex Rear Shutter Assembly



Code word—"Reshu"

• The Rear Shutter Assembly can be purchased separately as an attachment to any Regular Simplex Projector. The Rear Shutter is one of the revolutionary improvements of the Simplex Projector, and the remarkable increase in illumination and reduction of heat is secured by interposing the Rear Shutter between the arc lamp and the film. The advantages of improved screen presentation are quite obvious and the reduction of film damage and danger is too important to be overlooked. The width of the Simplex Rear Shutter Blade does not depend upon the size of the lens, and this shutter with a 90° effective blade can be used with a half size lens instead of 102° as a minimum which is necessary with the front type shutter. The shutter blades are carefully protected by a rigid circular shield and the Shutter Bracket which is also an important addition, spans longitudinally the whole mechanism supporting the Shutter Shaft. The reduced operating costs and lower maintenance charges in themselves fully justify the selection of the Rear Shutter.

Simplex Rewinders



- The Simplex Rewinders are of the conventional dummy and gear end type, the gear end being of internal gear design to eliminate the possibility of damage to either film or the hands of the projectionist.
- The dummy end is equipped with a brake to prevent overrunning of the film on the free-running reel.

Code word—"Rewin"

Price List of Simplex Projectors and Accessories

	Single Unit	*Code*
Super Simplex Mechanism Type R Pedestal HC-10 Super intensity arc lamp and lamphouse with Cinephor condensing system 200 ampere Switch and switch box 18″ Magazines	$1700.00	DELUX
Super Simplex Mechanism Type R pedestal Peerless Magnarc lamp and lamphouse 100 ampere Switch and switch box 18″ Magazines	1435.00	SUMAG
Simplex Rear Shutter Mechanism Type R pedestal Peerless Magnarc lamp and lamphouse 100 ampere Switch and switch box 18″ Magazines	1335.00	SRMAG
Simplex Rear Shutter Mechanism Five-point pedestal Peerless low intensity reflector arc lamp and lamphouse 60 ampere Switch and switch box 16″ Magazines	1000.00	SIMLO
Simplex Front Shutter Mechanism Five-point pedestal Peerless low intensity reflector arc lamp and lamphouse 60 ampere Switch and switch box 16″ Magazines	910.00	SIREG
Super Simplex Mechanism	700.00	SUMEC
Simplex Rear Shutter Mechanism	600.00	REMEC
Simplex Regular Mechanism	510.00	FRMEC
Simplex Type R pedestal with 100 ampere switch and switch box	275.00	TYPER
Simplex Type L pedestal (five-point) with 60 ampere switch and switch box	100.00	ELTYP

	Single Unit	*Code*
Upper 18″ magazines	$50.00	UEIMA
Lower 18″ magazines with take-up	60.00	LEIMA
Upper 16″ magazines	25.00	USIMA
Lower 16″ magazines with take-up	35.00	LSIMA
Hall & Connolly Super intensity arc lamp and lamphouse with Cinephor condensing system	597.00	HCTEN
Peerless Magnarc lamp and lamphouse	350.00	MAGNA
Peerless low intensity lamp and lamphouse	240.00	PELOW
Simplex Rear Shutter Assembly	100.00	RESHU
Simplex Double Bearing Intermittent Movement for Simplex Rear Shutter and Regular Mechanism	100.00	DOMOV
Super Simplex Double Bearing Intermittent Movement	150.00	SUMOV
Simplex Rewinder, dummy and gear end, per set	10.00	REWIN

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