

Form 156, Jan. 1, 1903.



Cash with order; or C. O. D. on receipt of 25 per cent. of the amount of the purchase to guarantee transportation charges. Remit by Bank Draft, Post Office Money Order or Express Money Order. Do not send personal check unless certified. Goods delivered E. O. B. Orange, N. J. No charge for boxing or cartage.

Machines are sold outright, with no territorial restrictions. We do not lease machines. We do not ship machines on approval.

All Edison apparatus is warranted to be superior in workmanship, and only the best materials are used in their manufacture.

We do not deal in second hand machines. We do not take old machines in exchange or trade.

Always state how shipment is to be made; by freight or by express, giving the route in either case. Remember that it takes three or four times as long for goods to reach destination if shipped by freight, and also that the cost of an express shipment is three to five times greater than a freight shipment.

Order by catalogue number and letter K. In telegraphing use the Code Words.

Edison Kinetoscope, Projecting Kinetoscopes and Films are covered by U. S. Patent, No. 212,416, dated March 14th, 1907, and No. 212,417, dated August 20th, 1907. The public is warned against purchasing or using inferior apparatus of any other make.

CATALOGUE OF THE Edison Universal

Kinetoscope

Light, Compact, Portable, A Complete Moving Picture and Lantern Slide Projecting Machine.

Price Complete, \$75.00
Moving Picture Mechanism Only, - \$50.00

It is made to all at a low price, and is not an inferior machine. It does not compete with the Edison Exhibition Projecting Kinetoscope. It is designed especially for those who want to make a recreation about 20 feet long, and who require a very light and compact apparatus.
Edison Manufacturing Co.
Orange, New Jersey, U. S. A.

The first Kinetoscope was devised in 1887 by Mr. Edison. It was a ponderous affair, costing several hundred dollars. Briefly described it was a box with a peep-hole at the top. With this machine, owing to mechanical limitations, only one person at a time could enjoy the moving pictures. It was Mr. Edison's idea to devise an instrument that should do for the eye what the Phonograph does for the ear, and the Projecting Kinetoscope as now perfected illustrates the successful working out of that idea.

The Edison Projecting Kinetoscopes of to-day represent the very highest development in the art of photography; that of bringing before the eye an exact life-size reproduction of life motion, with all its accompanying effects of light, shade and expression. By means of a transparent picture film, an intense light and proper arrangement of lenses, the pictures are projected upon a screen one after another, in such rapid succession that the eye cannot perceive any intermission between them, thus producing a perfect illusion of continuous action. The Edison Projecting Kinetoscopes also enlarge the scenes and figures to full life-size and illuminate them brilliantly. They do these things simply and perfectly. They are built to stand wear. They will outlast all machines made by unreliable people.

The Edison Projecting Kinetoscope has grown rapidly in popular favor. It amuses and it teaches. It combines profitable instruction with delightful entertainment. The list of Edison films now at the disposal of buyers covers a wide variety of topics.

is the latest product of Mr. Edison's genius. It is a perfect motion picture device, and the guarantee of the Edison Manufacturing Company goes with it. The work it does combines accuracy with brilliant results. It is both a Kinetoscope and a Stereopticon lantern. It is equipped with a stereopticon attachment for showing standard size lantern slides, the same lamp which projects the motion pictures being used to project the slides.

The essential advantages of Mr. Edison's new machine are: Extreme completeness, compactness, portability, simplicity, accuracy, ability to project steady and brilliant pictures and reduction of injury to films. It can be operated without any previous knowledge of the art. The operation is as easy and satisfactory to the amateur as to the expert. It can be learned in half an hour. It uses the standard Edison films **which have been adopted as standard the world over.**

The mechanism, and in fact, its entire construction is so simple that a child, after reading our instructions, can set it up and operate it.

It is portable, weighing forty five pounds complete with theostat, and twenty eight pounds without the theostat. When packed complete for shipment it weighs thirty pounds. It is compact, and the complete machine can be carried in an ordinary dress suit case. The head piece of mechanism proper weighs only thirteen pounds and is so built that it can be carried in an ordinary attaché.

The dimensions of the Edison Universal Projecting Kinetoscope, when set up ready for operation, are: Length 29 inches, width 11 inches, height 14 inches. Dimension of packing case, 35 inches by 15 inches by 22 inches. For prices see page 24.

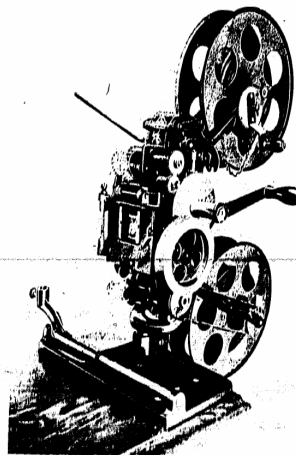
The head piece is fully assembled when shipped from the factory, and no mechanical experience is required to adjust the machine. All parts, such as objective and condensing lenses, lamp and lamp house, are detachable for convenience in packing. Every instrument is accompanied with full instructions for operating.

The picture film is a long strip of celluloid, one and three-eighths of an inch in width and fifty feet or more long according to the subject. The price of films is figured from a fifty foot basis. Each fifty foot strip of film consists of about 800 instantaneous photographs, taken while the film is passing the lens at the rate of about eighteen to thirty photographs per second. The size of each photograph is three quarters of an inch long by one inch wide.

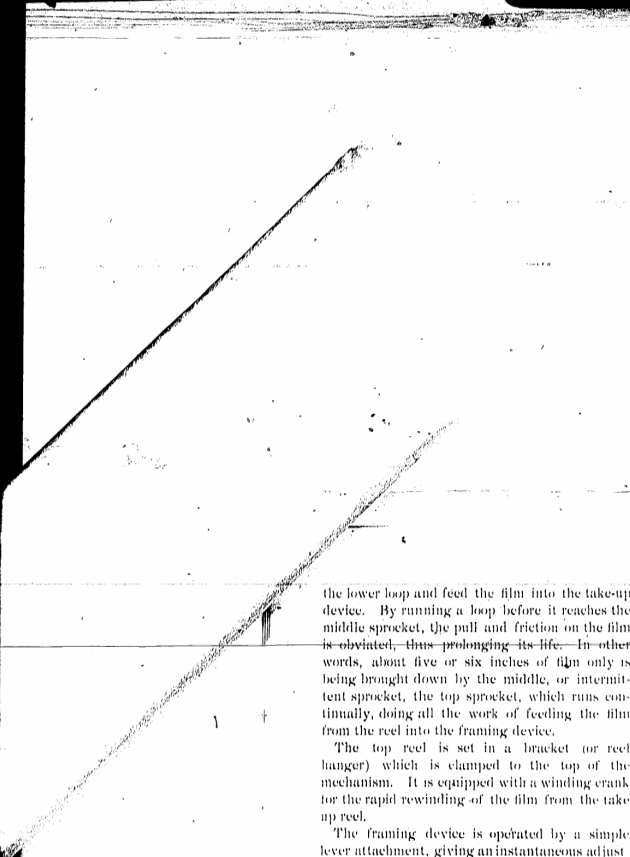
The edges of the film are perforated, to pass over the sprocket device carrying the film in front of an intense light, which projects the picture upon the screen, thus both magnifying and illuminating the photograph. This film is operated only on the Projecting Kinetoscope and cannot be used in the Stereopticon attachment.

The Edison Universal Projecting Kinetoscope is equipped with eight inch reels and a perfect take up device, capable of reeling perfect film. It is also equipped with a triple sprocket gearing.

The top sprocket is used to feed the film from the upper reel, after forming a loop, into the framing device. The middle sprocket is intermittent, bringing the film to the point of exposure, and stopping it for the fraction of a second required for exposure. The lower sprocket is only to keep



C. O. L. H.
Showing rear view of Mechanism.



the lower loop and feed the film into the take-up device. By running a loop before it reaches the middle sprocket, the pull and friction on the film is obviated, thus prolonging its life. In other words, about five or six inches of film only is being brought down by the middle, or intermittent sprocket, the top sprocket, which runs continually, doing all the work of feeding the film from the reel into the framing device.

The top reel is set in a bracket (or reel hanger) which is clamped to the top of the mechanism. It is equipped with a winding crank for the rapid rewinding of the film from the take-up reel.

The framing device is operated by a simple lever attachment, giving an instantaneous adjustment to the film so that it is always in correct position before the framing plate in rear of the projecting lens.

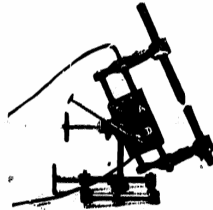
The Take-up Device is absolutely perfect and cannot be made to work incorrectly. It is simple in the extreme. It is operated by a spiral spring steel belt. The reel will wind up 700 feet of film, and is a great improvement over the old method of running the film into a bag or basket. It avoids kinks, snarls, and a possibility of fire. It is a great convenience to the operator, as it keeps the film always free from dirt, dust and unnecessary friction, all of which will cause scratches if the film runs into a bag or basket, as is done in the old way. After the film has been wound on the take-up reel, it can by means of the crank and gearing provided, be rewound on the top reel in less than a minute, and it is then ready to repeat instantly.

The Lamp House is the most complete device of its kind ever put on the market. It has a forward-and-back adjustment of six inches to accommodate condensing lenses of different focal length. The Lamp House opens from the right side and rear, thus allowing an exhibitor to get at the lamp very readily. The ruby window in the side door permits inspection of the light at all times, without opening the door, or injury to the operator's eyes.

The interior of the Lamp House is planned for every illuminant known to moving picture and stereopticon exhibitors; including electric arc light (both direct and alternating), oxy-hydrogen or lime light burners, and saturators or Edison gas-oxygen burners. The arc light being undoubtedly preferable (especially in sections where electric current can be obtained), all lamp houses are equipped especially for the arc light. (The different gas burners mentioned above are sold as extras). The base on which the arc light is mounted has a forward-and-back adjustment of 24 inches, operated by a fibre hand wheel, enabling the operator at all times to obtain instantly and keep the proper distance between the light and the condensing lens.

The Edison Projecting Arc Lamp is the most complete and handiest lamp of its kind. It is designed for either alternating or direct current. It has an up and down adjustment of one inch, which, together with the forward and back adjustment of the base, enables the exhibitor to keep his light completely under control.

The carbon holder arms accommodate carbons varying from $\frac{1}{8}$ to $\frac{3}{8}$ inches in thickness. We specially recommend a $\frac{3}{8}$ inch special cored carbon for animated picture work. This extra size carbon gives a much more satisfactory light than the small carbons and it is also more economical. By using $\frac{3}{8}$ inch carbons, the Edison arc lamp will burn one hour without readjusting or re-setting the carbons.



Cut PK 13.
Showing side view of Edison Projecting Arc Lamp.

The carbon feed is a device constructed to take care of both alternating and direct currents. When attached for the direct (D) current it feeds the upper carbon twice as fast as the lower. When adjusted for the alternating (A) current it feeds both carbons alike. The lever is operated through a slit in the rent door, and as all the other adjustments can be made while both lamp house doors are closed, the exhibitor is free to devote all his time to the moving picture and stereopticon end of the machine.

The eccentric holder post (for accommodating burners of other illuminants) is furnished with every Lamp House. It is a very simple, yet complete adjusting device, permitting the use of not only the Edison oxy-hydrogen and gas-oxygen burner, but also other calcium light burners. This is a great convenience to the exhibitor who shows in towns where electric current cannot be obtained.

Electric light is the best, as it is the most intense. Either the 110-120 volt direct current or the 52 or the 104 volt alternating current can be used, 25 amperes giving best results.

A rheostat is furnished with every complete outfit as shown in cut UK 10, the use of which, together with the wiring and operation of the Edison Projecting Arc Lamp, is fully described in the "Directions for Operating" which accompany every Edison Universal Projecting Kinetoscope. The resistance is wound with special German silver high resistance wire and has a maximum capacity of 40 amperes. The operator has only to move the sliding adjustment up or down to regulate completely the above three currents, which are the only electric circuits ordinarily encountered. *We recommend the use of two rheostats wired in multiple where alternating current is used.*

Calcium (or oxy-hydrogen) light is a very intense illuminant, and in past years has found great favor with magic lantern owners as a convenient, clear and intense light for showing up pictures. The calcium light has recommended itself because the oxygen and hydrogen gases in cylinders are

so easily obtainable, both for home use and for traveling exhibition purposes. In nearly every large city in the United States there are calcium light companies that make it a business to supply hydrogen and oxygen gases in iron cylinders under pressure. These cylinders may be shipped by express. If the exhibitor does not get too far away from the base of his supplies, it is a very satisfactory light when the electric current is not available.

The gas-oxygen light is especially adapted for home use and exhibition purposes. It is a very powerful illuminant and the best substitute for the electric light. It is safe and its operation is simple. By its use a light of 1,000 candle power can be obtained without any hissing or roaring. No complex construction, easy to operate, low price, and economical. It produces results that some exhibitors claim to be superior to the electric light. Certain it is that the invention of this light opens up new territory to exhibitors. It is easily carried as baggage, compact in form, light weight and can be transported with little extra trouble into sections of the country remote from electric light, where exhibitors may reap a rich harvest. The outfit for making the light consists of an oxygen generating outfit and a saturator and burner, for mixing the oxygen gas with H_2 gas—gasoline or methylated ether. The jet burns upon a fine pencil, producing a very brilliant light. In large cities the oxygen generator may be dispensed with if it is convenient to buy this gas in tanks, as explained under the head of calcium light, but the making of the gas is so simple, and so much more economical than buying the gas in cylinders, that the owner of an Edison Universal

Projecting Kinetoscope may well consider the advisability of owning and operating his own outfit.

We recommend the gas-oxygen light particularly as the best substitute for the electric light. Our gas generating outfits are offered at very reasonable prices. See price list, page 27. By referring to the numbered cut PK21 on page 27, the simplicity of each outfit is apparent. Outfit No. 28 is the same as outfit No. 27 with the addition of a compressor and a twenty-five gallon tank. The following chemicals will suffice for two hours continuous running: Two lbs. chlorate of potash, $\frac{1}{2}$ lb. black manganese, $\frac{1}{4}$ pt. H_2O gasoline or sulphuric ether and one line.

The Stereopticon Attachment consists of a Stereopticon objective lens, and an adjustable rod device by means of which the attachment is fastened to the base of Kinetoscope. The Stereopticon attachment uses the same condensing lens as the Kinetoscope. The objective lens is of extra quality and especially selected so that it gives a field on the screen about the same size as the field given by the Projecting Kinetoscope lens. The lens is mounted in a ring casting which slides forward and back on the adjustable rod device which is fastened to the base of Kinetoscope. The forward and back movement of the sliding rod, together with the focusing screw of the lens, permits a focal adjustment of ten inches. In furnishing the two objectives we try as near as possible to synchronize the pictures by obtaining the same size field of light on the screen with both the stereopticon and motion pictures lenses.

The entire Stereopticon attachment weighs but two pounds, and is very easily detached for convenience in packing.

The Stereopticon side of the machine can be used independently of the animated picture machine for showing views of any description what-

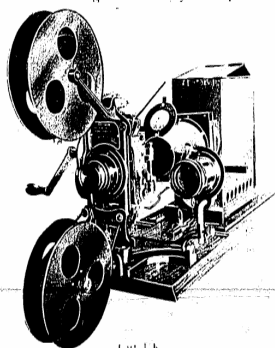


FIG. 1.
Showing front view of Machine with light centered on Moving Picture Attachment.

ever, also with great success for illustrated songs, where the singer appears upon the stage and the song is illustrated with views thrown upon the screen. If the operator desires to use only the Stereopticon for this entertainment, he can do so, not making use of the Projecting Kinetoscope, or vice versa, he can use the Projecting Kinetoscope for animated pictures and not use the Stereopti-

con. The combination of both Kinetoscope and Stereopticon in one machine is a wonderful feature, especially as both can be operated by one person. It will often be found convenient to have slides containing the announcements, with a brief description of next film to be shown, and to throw such announcement upon the screen before each film is run. Hitherto, to do this, it has been necessary to have a separate lantern.

The new double slide carrier enables the exhibitor to operate both slides and moving pictures from one side of machine. A slide is put in place while moving pictures are shown. When the film is ended the Lamp House is immediately centered on the stereopticon lens by moving the mechanism toward the operator, and the slide picture is instantly flashed upon the screen. While one slide is shown, another can be placed in the empty end of the carrier, for an instantaneous change of pictures. This carrier, together with stereopticon lens and the adjusting device, is included with every Stereopticon attachment. It is made to carry the regular size of lantern slides, 1 1/4 x 4 inches, which can be purchased from any magic lantern supply house in the country. Suitable announcement slides can be made to order at very reasonable figures.

The power used in operating the machine is hand power. The film moving mechanism is exceedingly simple, and requires only a steady wrist movement to run it properly.

The case has compartments for the mechanism proper with supporting base and stereopticon attachment; feed reel and support, take-up device,

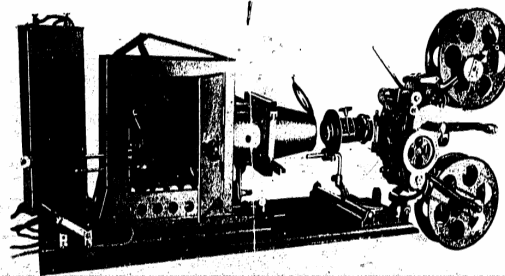
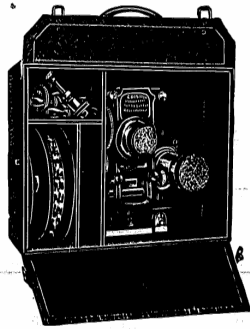


FIGURE 1
Showing front view of Machine, with Rheostat on the left, Light Centered on
Stereoscopic Objective Lens.

objectives and one extra reel. It is equipped with a carrying handle, hinged front door with top flap, and strong catches at top and sides of door. The dimensions are 16x12x8½ inches. Such parts of the Universal machine as the large base board, lamp house, rheostats and lamp can be packed in

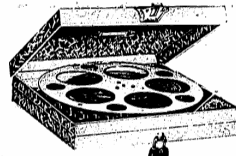


Cut UK 1

Shows Carrying Case with Mechanism in place. A trunk or large dress suit case, but as the mechanism should receive every care, especially when traveling, it is advisable to use the carrying case for this portion of the outfit, and carry it as baggage. (See price list.)

These cases are made of metal, japanned, and are provided with carrying handle, lock and key.

We furnish them in two sizes for the Universal reels. One holds one reel and the other two. (See price list.)



Cut UK 2

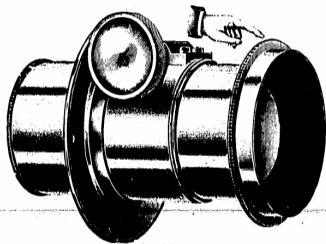
Shows Reel Case with Film in place.

The Objective Lenses, with which the Edison Universal Projecting Kinetoscope is equipped, are special wide angle lenses, giving a field of 12½x17 feet at a distance of 50 feet from the screen, or about 6½ x 8½ at 25 feet distance. Proportionately larger or smaller pictures may be produced by increasing or decreasing the distance. Extra lenses can be furnished for 60, 80, 100 or 125 foot projections. (See price list on page 53.)

The Universal Adjustable Objective is a new lens for moving picture work. It is a lens which will project a large or small moving picture, and of any size between the two extremes, without changing the location of the machine, making any change in the focus of the objective.

This lens resembles in appearance the ordinary objective and projects a maximum picture whose size is equal to about one third of the distance from the curtain to the instrument, and a minimum picture whose size is equal to about one

fifth of the distance. These sizes and all sizes between can be projected from one position. This is accomplished by a peculiar combination of lenses in the objective. A focus is obtained in the ordinary way, by means of the milled screw head. The size of the picture is varied by turning the head of the objective, indicated by the hand. The picture always remains in focus after the adjustment. The Universal Adjustable Objective will project different size pictures at different distances.



Cut PK 1.

Shows the Universal Objective Lens.

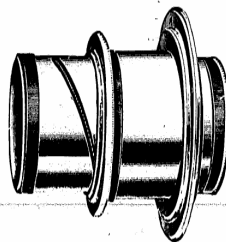
DISTANCE	SIZE OF PICTURES
10 feet	Between 1 and 2 feet
20 "	" " " " " "
30 "	" " " " " "
40 "	" " " " " "
50 "	" " " " " "
60 "	" " " " " "
75 "	" " " " " "
100 "	" " " " " "
150 "	" " " " " "
200 "	" " " " " "
300 "	" " " " " "
400 "	" " " " " "
500 "	" " " " " "
750 "	" " " " " "
1000 "	" " " " " "

Illustrating the use of this lens. Assuming that a moving picture machine has been placed at a distance of 10 feet from the curtain which is 1 foot square. On making his first trial the operator focuses his objective and finds that his picture is too large for the curtain. He then reduces it to the exact size of his curtain merely by revolving the front ring of the objective, which controls the inner combination of lenses.

Changes in size of picture can be accomplished while the machine is in operation.

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The Challenge Short-Distance Moving Picture Objective, 1903 Model. The objectives that usually accompany projecting machines project a life-size picture at a long distance, and too small a view at short distances. This is due to the fact that individual pictures on a moving picture film are very small and even a high power objective requires a long distance to enlarge the view to life size. The ordinary moving picture objective projects a view whose entire disc equals about



Cut UK 2.

Shows Challenge Moving Picture Objective Lens.

one-fifth of the distance; a 10 foot disc at 50 feet, 15 at 75 feet, etc. To make an objective which would project equally large pictures at lesser distances has been a difficult task, but we believe that we have solved the problem satisfactorily with our new 1903 Model Challenge Moving Picture Objective.

This lens is of high magnifying power and projects an illuminated disc whose size equals

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about one-third of the distance. The following table will demonstrate its approximate capacity:

DISTANCE FROM CURTAIN.	SIZE OF MOVING-PICTURES.
23 feet.	7 feet.
33 "	10 "
48 "	14 "
68 "	20 "

The higher the power of an objective, the more delicate must be the focusing. A slight variation in position of the lenses will throw the view out of focus. The usual rack and pinion not being considered delicate enough for fine adjustment of this lens, we have adopted an entirely new method, which allows of the slightest variation in position of the lenses, is rigid and completely under the control of the operator; the alteration of the machine cannot possibly alter the position of the objective by a hair's breadth. This feature lies in a spiral groove cut into the inner tube of the lens, in which plays a steel screw; milled flange fastened to the inner tube causes it to revolve when turned by the operator, and at the same time the screw working in the spiral causes the tube containing the lenses to play backward and forward. The objective is provided with dust cap and collar.

This lens is furnished with every Universal machine.

The condensing lens is of the finest quality and is especially selected to secure the clear definition so necessary in a perfect projecting machine.

In ordering condensing lenses (glasses) only, state whether the glass wanted is the one next to the light or the one farthest away.

The Stereoscopic Objective Lens is most carefully selected to insure perfect harmony between the stereoscopic and motion pictures.

We list below a combination of moving picture and stereoscopic objective lenses for obtaining nearly the same size views at different distances.

No. 1. Challenge moving picture objective, size of picture three feet for every ten feet of distance.

No. 2. The above is the regular objective lens furnished with the Universal Projecting Kinetoscope.

No. 3. Middle distance moving picture objective. Projects a picture 1 foot for every 14 feet of distance.

No. 4. Long distance moving picture objective. Projects a picture 1 foot for every 20 feet of distance.

No. 1A. Projects a view, size three feet for every ten feet of distance.

No. 2A. Projects a view three feet for every fourteen feet of distance.

No. 3A. Projects a view three feet for every twenty feet of distance.

We also supply the following extra lens:

No. 1AA. This is a regular half-size objective lens, standard size for stereoscopic pictures, giving the same size picture as 1A. This is a better quality lens.

See price list on page 25.

The combination No. 1 and No. 1A are the regular Projecting Kinetoscope and Stereoscopic lenses furnished with complete Universal Projecting Kinetoscope outfits.

The combination No. 2 and No. 2A are the regular middle distance Projecting Kinetoscope and Stereoscopic objectives furnished with our Exhibition model outfits.

The combination No. 3 and No. 3A are the longest focus Projecting Kinetoscope objective and an 18-inch back focus stereoscopic lens in a half size mounting.

Our Universal Projecting Kinetoscope is equipped with a stereoscopic ring casting and flange large enough to take a half size mounting, and it also has an adapter which accommodates a one-quarter size mounting.

THE EDISON UNIVERSAL PROJECTING KINETOSCOPE is sold only in two ways as follows:

The Complete Machine, as shown on pages 16 and 17. Catalogue No. K 14500. Code Word, *Cuba*. Price, \$75.00.

The complete machine is equipped as follows:
 Hand power mechanism.
 Mechanism base casting with sliding device.
 Top and bottom seven inch reels, capacity, 750 feet of film.
 Extra quality condensing lens.
 Challenge objective lens for moving pictures.
 Take-up device and reel hanger.
 Stereopticon attachment, including large casting for holding half size objective, and adapter for holding quarter size objective.
 Russian iron lamp house.
 Moving Picture Attachment, or Mechanism, only. Catalogue No. K 14500. Code Word, *Cuba*. Price, \$30.00.

This includes the following:
 Hand power mechanism.
 Mechanism base casting with sliding device.
 Moving picture objective (Challenge) lens.
 Reel hanger and seven inch reel, capacity, 750 feet of film.
 Stereopticon support and ring casting for half size objective, and adapter for quarter size objective.
 Take-up device with seven inch reel, capacity, 750 feet of film.
 Spring steel belt for winding film on take-up reel.

Note. No Stereopticon Objective Lens is furnished with the \$75.00 outfit. No reduction in price for parts omitted from above combination.

	PRICE.	CAT. NO.	CODE WORD.
<i>Stereopticon attachment only.</i> \$15.00		K14500	<i>Cuba</i>
<i>Edison Projecting Arc Lamp only.</i>	10.00	K15000	<i>Unfathomed</i>
Condensing Lens, complete, (front and rear glass and shell).....	each 5.00	K15007	<i>Unfathomed</i>
Shell only.....	each 5.00	K15008	<i>Unfathomed</i>
Condensing Lenses (glasses).....	each 5.00	K15009	<i>Unfathomed</i>
Objective Lens, No. 1.....	7.00	K14400	<i>Unfathomed</i>
" " No. 2.....	10.00	K14401	<i>Unfathomed</i>
" " No. 3.....	15.00	K14402	<i>Unfathomed</i>
Stereopticon Objective Lens, No. 13.....	7.00	K14403	<i>Unfathomed</i>
" " No. 15.....	10.00	K14404	<i>Unfathomed</i>
" " No. 17.....	15.00	K14405	<i>Unfathomed</i>
" " No. 18A.....	15.00	K14406	<i>Unfathomed</i>
<i>See page 14 for combination of these Lenses.</i>			
Universal Speed Adjuster, objective Lens.....	20.00	K15007	<i>Unfathomed</i>
Blank Film, perforated for Spooling.....	per foot .10	K15011	<i>Unfathomed</i>
Film-adapter.....	each 7.50	K15012	<i>Unfathomed</i>
Film-attachment.....	per bottle .25	K15013	<i>Unfathomed</i>
Imported Carbons, for Lamp extra quality.....	per 100 5.00	K15014	<i>Unfathomed</i>
Safety Fuse-block 1/2 ampere.....	each .50	K15015	<i>Unfathomed</i>
Lamp Cord, double, for connecting to the main electric.....	per foot .08	K15016	<i>Unfathomed</i>
Oil Can, nickel-plated, long neck.....	each .15	K15017	<i>Unfathomed</i>
Oil.....	per bottle .10	K15018	<i>Unfathomed</i>
Knife Switch, 1/2 ampere, double pole, single throw.....	each .75	K15019	<i>Unfathomed</i>
Connecting Case for Universal Mechanism.....	each 1.00	K15020	<i>Unfathomed</i>
Single Reel Case.....	each 1.00	K15021	<i>Unfathomed</i>
Double ".....	each 2.00	K15022	<i>Unfathomed</i>

	PRICE.	CAT. NO.	CODE WORD.
Cranks, complete.....each	1.00	K1909	<i>Unfencing</i>
Large Driving Gears.....each	1.00	K1909	<i>Unfigured</i>
Intermediate Pinions.....each	.50	K1909	<i>Unfully</i>
Take-up Sprocket.....each	.40	K1490	<i>Unidura</i>
Driving Gears.....each	.40	K1909	<i>Unidurab</i>
Upper Sprockets.....each	.40	K1909	<i>Unidurab</i>
Upper Sprocket Shafts with Rubber Tension Gear.....each	.40	K1490	<i>Unigen</i>
Upper Roller with Shafts.....each	.50	K1909	<i>Unimous</i>
Cum Shafts with Cams and Large Bevel Gears.....each	4.00	K1909	<i>Unidid</i>
Cams.....each	4.75	K1908	<i>Unidura</i>
Large Bevel Gears.....each	1.25	K1909	<i>Unidid</i>
Cum Shaft Pinion.....each	.40	K1490	<i>Unidur</i>
Plain Bushings (2).....each	.50	K1909	<i>Unlagging</i>
Small Bevel Gears with Shafts.....each	.75	K1490	<i>Unidid</i>
Revolving Shutters.....each	1.50	K1909	<i>Unidid</i>
Lower Sprocket Shaft with Sprocket and Star Wheels.....each	1.00	K1490	<i>Unidid</i>
Lower Sprocket.....each	1.00	K1490	<i>Unidid</i>
Star Wheels.....each	1.00	K1490	<i>Unidid</i>
Reentrant Bushings.....each	.75	K1490	<i>Unidid</i>
Pin gate Rubber Tension (Casting only).....each	.75	K1490	<i>Unidid</i>
Lower Rollers with Shafts.....each	.50	K1490	<i>Unidid</i>
Picture Lenses.....each	.75	K1490	<i>Unidid</i>
Reels.....each	.75	K1490	<i>Unidid</i>
Reel Hangers, complete (Screws and Reel shaft included).....each	1.00	K1490	<i>Unidid</i>
Connecting Cord, long.....each	1.00	K1490	<i>Unidid</i>
Connecting Cord, short.....each	.75	K1490	<i>Unidid</i>
Ribbons.....each	.75	K1490	<i>Unidid</i>

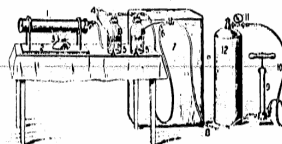
26

PRICE LIST OF CHEMICALS (ADDITIONAL)

	PRICE.	CAT. NO.	CODE WORD.
Chlorate of Potash, per lb.....	\$6.25	K1418	<i>Unidid</i>
Thick Manganese.....per doz	1.00	K1419	<i>Unidid</i>
Special Lenses.....per doz	1.00	K1420	<i>Unidid</i>
Methylated Ether 74% in lbs. cans.....per lb.	1.00	K1421	<i>Unidid</i>

For Generating Oxygen Gas into gas bag only. Cat. No. K1490. Code Word, *Unidid*. Price, \$48.00. (CHEMICALS NOT INCLUDED.)

1. Russia iron retort and cleaner, 12 x 18.....	\$7.00	K1490	<i>Unidid</i>
2. Retort stand.....	1.00	K1490	<i>Unidid</i>
3. Burner (Gas or spirit), specify which in ordering.....	1.00	K1490	<i>Unidid</i>
4. 6 inches lined tubing from retort to purifier.....	.75	K1490	<i>Unidid</i>



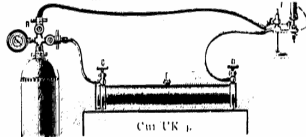
Cut PK-10
Shows Complete Outfit.

Purifier rubber stoppers, glass and metal tubes.....	.75	K1490	<i>Unidid</i>
10 ft. tubing 1/2 x 3/8, putties to gas bag.....	1.00	K1490	<i>Unidid</i>
One 1/2 gallon gas bag, stopcocks and regulator.....	1.00	K1490	<i>Unidid</i>
10 ft. rubber tubing 1/2 x 3/8.....	1.00	K1490	<i>Unidid</i>

Net wt of complete outfit..... lbs. Gross wt packed in special box and extra charges, 12 lbs.

27

PRICE, CAT. NO. CODE-WORD
 Gas-Oxygen Saturator and
 Burner..... \$500 K1450 *Unfretted*
 Outfit No. 27 Complete with
 Saturator and Burner..... 7500 K1450 *Unfretted*
 (CHEMICALS NOT INCLUDED)



For Generating and Compressing Oxygen Gas in Cylinders. Cat. No. K14512. Code Word, *Unfretted*
 Price, \$94.80.

The first six items, 1, 2, 3, 4, 5, and 6 are the same in outfit No. 27, as in outfit No. 27..... \$1.00 K1451 *Unfretted*
 7, 15 Gallon gas bag and double stopcock..... 1.00 K1451 *Unfretted*
 8, 15 feet of rubber tubing..... 1.00 K1451 *Unfretted*
 9, 8 x 1/2 inch from gas bag to pump..... 1.00 K1451 *Unfretted*
 10, 1 Compressor..... 1.00 K1451 *Unfretted*
 11, 1/2 inch tubing and couplings; compressor to cylinder..... 1.00 K1451 *Unfretted*
 12, 1/2 inch range attachment regulation and five feet of tubing to light..... 1.00 K1451 *Unfretted*
 13, 1 Twenty-five foot cylinder and key..... 1.00 K1451 *Unfretted*
 Net wt. of complete outfit, 15 lbs. Gross wt. packed in special box, one extra charge..... 1.00 K1451 *Unfretted*
 Gas-Oxygen Saturator and Burner and 1/2 inch tubing..... 1.00 K1451 *Unfretted*
 Outfit No. 27 Complete with Saturator and Burner..... 7500 K1450 *Unfretted*

We give herewith a list of screens which we furnish especially adapted for moving picture and stereopticon work. The prices do not include rollers, frames, eyelets or guy ropes, but simply the plain sheet bound.

PRICE, CAT. NO. CODE-WORD
 10 x 12 feet..... \$ 5.50 K1454 *Unfretted*
 12 x 14 feet..... 6.50 K1455 *Unfretted*
 14 x 16 feet..... 8.25 K1456 *Unfretted*
 16 x 18 feet..... 10.00 K1457 *Unfretted*
 18 x 20 feet..... 11.50 K1458 *Unfretted*
 20 x 22 feet..... 14.95 K1459 *Unfretted*
 22 x 24 feet..... 16.50 K1460 *Unfretted*

To counteract the effect of cheap films, duplicates, worthless subjects and *short length* films that are being offered in the market, we are listing our *Genuine Edison Films* in two classes. Some of our subjects cost us large sums of money to obtain, while others are procured at a nominal cost. Therefore, the films of inexpensive subjects, we shall list as Class B at the net price of \$6.00 per 50 feet. Those of the newer subjects and more expensive to secure will remain at \$7.50 per 50 feet.

Remember these are manufacturers' prices and the best materials are guaranteed. The quality of Class B films is precisely the same as Class A. The above prices are strictly net. There are no discounts.

The coloring of films adds wonderfully to their effectiveness. We have improved our coloring processes both in quality and rapidity; and are now prepared to furnish in appropriate tints all films that are suitable for coloring and containing not more than two figures, at the following prices: 50-foot lengths, coloring, \$5.00; longer lengths in

proportion. Special quotations furnished on films with a larger number of figures.

Remember there are various kinds of coloring and color artists, but we guarantee perfect work and perfect color combinations.

A complete Descriptive Catalogue of Genuine Edison Films has just been issued, in which are listed over 800 subjects. This will be sent on receipt of 5 cents to cover postage. A wide choice is thus offered to exhibitors.

Class A Films.....\$7.50 per 50 foot length.
Class B Films.....\$6.00 per 50 foot length.
Longer or Shorter Lengths in Proportion.

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The following pictures are arranged under classified headings as an aid to our customers for their guidance in the selection of subjects. As far as possible the classification describes the salient points or features of each film.

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Send in your name and ask for our Special-Advance Lists of the latest new films. These are all winners. If you want to get subjects worth owning send for our latest supplements and advance lists.

A complete Catalogue of Genuine Edison films (Pocket Edition No. 100) has just been issued, in which are listed over 800 titles. This will be sent free on request.



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Thomas A. Edison
MARK

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