Universal Electric Stage Lighting Co.



238 = 240 West 50th Street, New York.

(Supplement to Catalogue F)

"KLIEGL" STAGE POCKETS AND PLUGS.

Approved and listed by the Underwriters' National Electrical Association.

"Kliegl" stage pockets, Fig. 350, and plugs, Fig. 301, are pronounced the best and most practical and economical ever offered. They conform to the latest Underwriters' rules and are absolutely fire-

proof, dustproof and foolproof.

The surface plate is small, and with its cover, which cannot be left open, is made of cast iron and flush with the stage floor.

The receptacle into which all current-carrying parts of 50 amperes 250 volts are mounted, is made of solid glazed porcelain.

The receptacle itself is securely fastened in the box, in an enclosed separate compartment. The receptacle can be removed from the box, after the pocket is installed, by taking out two flat head screws from the surface plate back of cover.

The rear of box holding receptacle with live metal parts is all enclosed, and a knock-out for 1-inch conduit is placed in the bottom. If desired, holes for conduit can be drilled on sides or rear of box. The front of box covered by the lid, is open at the bottom, so that no foreign substances can lodge there.

"Kliegl" Universal Plug, Fig. 301, is used exclusively in all our pockets. It is especially designed to withstand rough usage, and is made of hard fibre

It has one solid, and one spring copped terminal connection. A very good point in

this plug is an extra spiral spring underneath the spring copper terminal,
so that it always makes a good contact in the pocket.

This plug is provided with a bandle for pulling and inserting plug in pocket. A metal plate on the side, near the top of the fibre plug handle, deserves special attention, as it is removable and adjustable to fit any size cable.

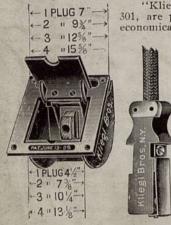


Fig. 350, Top View. Fig. 301.

Kliegl 6" Bros.

PAT'D.FEB.21-1905

Fig. 350. Side View

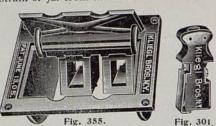
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PR

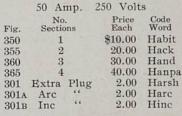
"KLIEGL" STAGE POCKETS AND PLUGS-Continued.

This adjustable metal plate has small teeth which bite into the cable, and hold it firmly by its outer insulation. This ingenious device not only prevents the cable from unraveling from its outer insulation, but also takes away the strain or jar from the screw terminals. No other plug has these advantages.



1/2-inch holes lead from the cable hole in handle to screw terminals. This gives ample opportunity for lugs to be fastened to the cable ends, and then inserted through the openings in the handle to the screw terminals. Stage pocket, Fig. 350, is also made in two, three and four sections as shown in cuts,

STAGE POCKETS AND PLUGS.



No. 355 consists of two receptacles for arc and incandescent circuit. The plug and receptacles are provided with grooves, so that Arc

pocket plug will not fit Incandescent pocket or vice versa. In this case the 1ncandescent pocket can be fused lighter.

Three section, Fig. 360, and four section, Fig. 365, are generally used for Incandescent circuits of the various colors, and the cable outlets in cover are lettered A.W.R.B., indicating amber, white, red and blue.



Fig. 360.



Opening to cut in Stage Floor for inserting Pockets Size of Surface Plate Weight Fig. 350. 41/2" front x 6" side " front x 8" side 20 lb. " x 8" " 271/2 " 73%" " x 6" " 355. 1258" " x 8" " 38 " 1014" " x 6" " 360. 48 " 131/4" " x 6" " 15 58" " x 8" " 365.

See Cut Fig. 350 for further dimensions. INSULATING JOINT FOR STAGE POCKETS.

Approved by the Dept. of Water Supply, Gas & Electricity, New York City.

A device for connecting B & X cable to stage pockets and insulating the pocket from conduit.

Fig. 10	30. ½"	Insulating	Joint	for	2	No.	10	wire,		
103	01. 74						6		.72	Hatch Haul
103	32. 1''						4	1 2	.00	riaui

"KLIEGL" FLUSH WALL POCKETS AND PLUGS.

Approved and Listed by the Underwriters' National Electrical Association.



Fig. 310.



Fig. 301.

These are designed for schools, lecture rooms, hospitals, institutions, theatre balconies, etc , or wherever a locked outlet box is needed. The frame is cast iron and fits flush with the wall, and the receptacle is protected by a dustproof door, with lock and key, as shown in Figure 310. Our regular stage plug, Figure 301, fits these pockets.

FLUSH WALL TYPE.

50 Amp. 250 Volts.



Fig.	No. Section	Price Each	Code Word
310	1	10.00	Haven
311	2	20.00	Hawk
312	3	30.00	Hawser
313	4	40.00	Haze
301	Extra Plug	2.00	Harsh
501	\$1.00 Extra for per pocke		Heath

Fig. 311.

			Sizo	of Iro	n	Box							face Pl	
Fig.			high		"	wide	x	7"	deep	74"	high	x	6¾" 11¾"	wide
	311	4½"		x11	"		X	7"	"	7½"			1378"	**
	313	41/2"		x14	"		X	7"	"	7½"		X	16%"	

"KLIEGL" 100 AMP. POCKETS AND PLUGS.

Approved and Listed by the Underwriters' National Electrical Association.

They are designed for 100 amp. 250 volts, and have a larger receptacle with double set of contact plates, otherwise similar in construction to our 50 amp. pocket, Fig. 350. The plug is similar to our Fig. 301 and is of the double pattern with two sets of spring copper terminals, and is made of fibre. The handle is capable of holding No. 2 stage cable.

Floor Type-100 Amp. 250 Volts.

THE	No. Sections.				Price each.	Code Word.
Fig.	No. Sections.	Pockets	and Pl	lugs	\$18.00	Hedge
1350	2	1 OCKCES	11		36.00	Heel
1355	2		4.		54.00	Heir
1360	3		4.6		72.00	Helm
1365	District Discr	**	6.6		5.00	Hemp
1301	Extra Plug				and the state of t	

Size is the same as given for 50 Amp. Pockets, Fig 350.

Flush Wall	Type-1	00 A	mp. 23	ou voits.	
lo. Sections.				Price each.	
o. Beccions.	D-al-ata	and	Pluge	\$18.00	

Fig.	No. Sections.			Price each.	Code Word.
1310	1	Pockets	and Plugs	\$18.00 36.00	Herb Heron
1311	2		66	54.00	Hide
1312 1313	3		"	72.00	High
1301	Extra Plug	"		5.00	Hemp

Code

Word Hum

Humble

Harsh

Humid

Humor

Humpty

"KLIEGL" 3-WIRE POCKETS AND PLUGS.

Universal Electric Stage Lighting Co., Kliegl Bros., Props.

The 3-Wire Pockets have large receptacles with busbars on three sides. The Plug, Fig. 2301, fits receptacles only one way, and cannot be reversed, and the polarity once placed right is always right. These pockets are similar in design to those shown in cuts on preceding pages.

Floor Type-50 Amp	125 to 250 V
-------------------	--------------

Pockets, Fig. 350.

Fig.	No. Sections.		Price Each.	Code Word.	Fig
2350	1	Plugs	\$20.00	Hinder	231
2355	2		40.00	Hispid	231
2360	3	જ	60.00	Hobby	231
2365	4	Ke	80.00	Hoist	231
2301	Extra Plug	Pockets	5.00	Holly	230
Size t	he same as o	iven	for 50 A	mp Stage	1

. | Flush Wall Type-50 Amp. 125 to 250 V.

	Fig.	No. Sections.		Price Each.	Code Word.
	2310	1	& Plugs	\$20.00	Honey
	2311	2	E	40.00	Horde
	2312	3		60.00	Hosier
ı	2313	4	Ket	80.00	Hostel
l	2301	Extra Plug	Pockets	5.00	Holly

"KLIEGL" 500-VOLT POCKETS AND PLUGS.

The only pockets and plugs made of their kind, a safe and practical device for outdoor or indoor service. 500-Volt Pockets have two receptacles holding one busbar in each, furnished with a special plug to fit both receptacles.



Fig. 307.

Fig.	50 Amps. 500 Volts.	Price each.	Code Word
333	Flush Floor Pocket and Plug	\$20.00	Hound
334	" Wall " "	20.00	Hourly
335	Weatherproof "	22.00	Hovel
331	Extra Plug,	5.00	Howdah

Weatherproof pocket, Fig. 335, can be used on poles, etc., for outdoor work and in connection with iron conduit system.

"KLIEGL" BREWERY WALL POCKETS & PLUGS.

Fig. 307 has one receptacle encased in iron box which can be mounted in a horizontal, vertical or angular position, as desired. Conduit connection can be made either from the top or rear or both sides. Pocket extends but 3" from the wall.



Furnished with "Kliegl" Universal Type Stage Plug, Fig. 301.

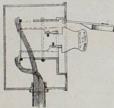


Fig.	Wall Type.			Price.	Code Word	
307	Pocket and Plug	50 A. 2	50 V.	\$8.00	Howl	
301	Extra Plug			2.00	Harsh	
-	Size: High 6"	Wide 4	8"	Deep	2¼"	

Fig 308.

"KLIEGL" BRASS FLUSH WALL POCKET & PLUG.

High School Type.

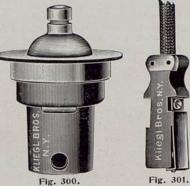
Fig. 308 shows a side and front view of our High School Type Pocket with heavy beveled edge brass face plate, flush door with lock and key, mounted in iron box.



Fig.	50 Amp. 250 Volts.	Price Each.	Code Word.
308	Pocket and Plug	\$12.50	Hudde
309	Without lock and key	11.50	Huge
301	Extra Plug	2.00	Harsh
	Size: High 7" Wide	5" Deep 5	3"

"KLIEGL" WATERPROOF FLOOR OUTLET BOX AND PLUG.

Approved and Listed by the Underwriters' National Electrical Association.



This box is made of cast iron, drilled for 1-inch conduit. Two covers are furnished for closing the Waterproof Box, and the plug cover is provided with Waterproof Cable Outlet, All current carrying parts are mounted into a solid glazed porcelain pocket, and can readily be removed from the box for connecting purposes by merely taking out the four screws. The box itself is secured firmly to the floor by means of screws on the outside rim. 'Kliegl'' Universal Plug is made of fibre and designed to withstand

rough usage and provided with a handle for pulling and inserting plug in pocket. A special metal plate

> Price Each

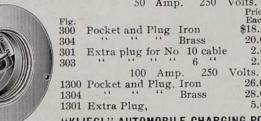
\$18.00 20.00

26.00

28.00

on the side near the top of the plug handle, is for securing the cable firmly to plug by its outer insulation, thus preventing any strain on the screw terminals.

FLOOR TYPE. 50 Amp. 250 Volts.



Hemp 5.00 "KLIEGL" AUTOMOBILE CHARGING POCKET & PLUG Approved and Listed by the Underwriters' National Electrical Association.

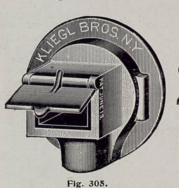


Fig. 300.



Fig 305 is attached to the wall by rear plate, on to which the receptacle and outer casing are fastened. The box is made entirely of iron, and is provided at one side of the hood with outlet for 1-inch conduit. The opening for plug is provided with an automatic drop door, which serves to keep the dust from receptacles when not in use. The inner receptacle is made of porcelain, highly glazed, into which are mounted all current carrying parts.

Our regular "Kliegl" Universal Stage Plug, Fig. 301 is furnished, and can enter the pocket only one

way, and the polarity once put right is always right. This pocket and plug has found great favor for theatre use, as it can be placed anywhere on the fly floors, bridges, balcony, or stage walls, etc

WALL TYPE. 50 Amp. 250 Volts. Price Each Code Word | Fig. | Price Each \$10.00 | Hunch | 301 | Extra Plug | \$2.00 305 Pocket and Plug

VI.

"KLIEGL" PANEL POCKETS AND PLUGS.





Fig. 374.

For use in Balcony, Bridges and Moving Picture Booths. Made in 2, 4, 6 and 8 outlets of 50 Amp. 250 V. each, furnished with a slate panel with 2 or 3 wire main busbars and N.E.C. fuses for each pocket, completely wired and connected. All enclosed in iron box, ready for conduit connection.

Busbars have special arrangement so that link fuses can be substituted for N. E. C. fuses, when used in Motion Picture Booth.

WALL TYPE.

Fig.	No. Outlets	Price Each	L'gth	SIZE. Hgt.	Depth	Code Word
372	2	\$27.00	15 in.	8 in.	3½ in.	Label
374	4	54.00	20 in.	13¼ in.	3¾ in.	Labrus
376	6	81.00	28 in.	13¼ in.	3¾ in.	Lack
378	8	108.00	36 in.	13¼ in.	3¾ in.	Lackey
301	Extra Plu	g 2.00				Harsh

Panel Pockets with more outlets made to order.

"Kliegl" Universal Plug is used and furnished with all our pockets.

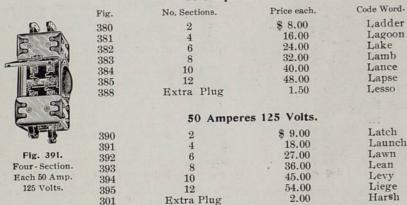
"KLIEGL" PORTABLE POCKETS & PLUGS. Plugging Boxes or Spider Pockets.

Built for rough stage usage. Can be used anywhere.

Fig. 391 shows our 4-section Spider pocket and plugs. They are made with 2, 4, 6, 8, 10 and 12 Receptacles, each fused separately. There can be no short circuit in our spider pocket, as the polarities are separated by slate, carrying the busbars and fuses on either side, all enclosed in strong wood cas-

ing lined with asbestos and having iron bindings. A special iron cap is furnished for cable protection.

25 Amperes 125 Volts.



Portable plugging boxes are furnished with plugs and fuses complete.

Code Word.

Portable plugging boxes for 3 wire main, \$1.00 Extra.....Limp



Fig. 950.

"KLIEGL" STAGE CONNECTORS. Approved Type

For all Theatrical and Electrical purposes. Extremely simple and rigid in each part.

Stage Connectors are made of hard fibre, with all live parts enclosed and provided on each end with an approved cable clamp (see Fig. 955-B), with teeth which bite into the cable and hold it firmly by its outer insulation. Suitable for making rapid and frequent electric connections, and indispensable for road companies.

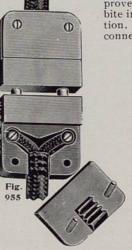


Fig. 955-B.

		Enclosed	Type,	2=Wire.	
Fig.	Amp.	Volts.	Price Each.	For Stage Cable.	Code Word.
950	5	125	\$.90	No. 14	Pack
951	5	125	.90	16	Paddle
952	- 5	125	.90	18	Pagan
955	15	125	1.25	14	Pall
956	30	125	2.00	10	Pallid
957	60	125	4.25	6	Pallor
958	100	125	6.50	2	Palmy
			3 - Wire		
3950	5	125	\$2.00	No. 14	Pang
3951	5	125	2.00	16	Pantry
3952	5	125	2.00	18	Para
3955	15	125	3.00	14	Parade
3956	30	125	4.25	10	Parch
3957	60	125	6.50	6	Parole

Multiple Stage Connectors.

Designed to take two separate connections from one feed cable.

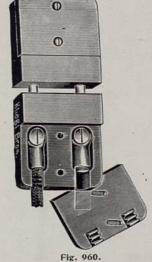
ig.	Amp.	Volts.	Price Each.	For Stage Cable.	Code Word.
950	5	125	\$2.00	No. 14	Parrot
951	5	125	2.00	16	Parse
952	5	125	2.00	18	Pastel
1955	15	125	3.50	14	Pathos

"KLIEGL" ARC CONNECTOR For Asbestos Wire.

For connecting asbestos wire on arc lamps provided with cable clamps and each furnished with four Kliegl Solderless Lugs.

Fig.	Amp.	Volts.	Price Each.	Asbestos Cable.	Word.
960	30	125	\$1.75	No. 10	Pauper

Approved and recommended by the Dept. of Water Supply,
Gas and Electricity, City of New York.







"KLIEGL" AUTO CONNECTOR.

Is made in two parts, the inner of fireproof insulating material in which the contact pins are mounted, and the outer casing of aluminum, with a clamp door on each end for holding No. 6 stage cable by its outer insulation.

Fig. 965 shows the two parts combined, the projecting casing effectively prevents the short-circuiting of the exposed male terminals. This connector is very strong and durable and is not reversible and therefore specially adapted for garages for charging storage batteries, etc. All live parts are enclosed.

They are superior to any solid wall connection.

AUTO CONNECTOR.

				Code
Fig.			Price	Word
965	50 Amp.	125 V.	\$5.00	Parting

"KLIEGL" SIGN CONNECTORS.

A small, neat device for connecting electric letters to signs which are changed frequently. A rapid interchangeable connector.

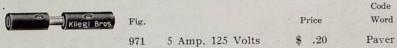


Fig. 971.

Fig. 965.

Fig. 977.

"KLIEGL" CONNECTOR FOR B & X CONDUIT.

This is our regular 15 Amp. Stage Connector, provided with aluminum ends for holding and clamping flexible steel armored cable. Code

Fig.			Price	Word
977	15 Amp.	125 V.	\$3.00	Pawl

CHANDELIER CONNECTING BOXES.

With flexible connector, allowing the electric connections to be made rapidly for lowering chandelier for relamping. All enclosed Made up at short notice. in iron box.

> Price of box with 6 conductor connection, \$5.40

Approved by the Dept. of Water Supply, Gas & Electricity, City of New York.

"KLIEGL" STAGE CONNECTORS. Lace Type.



Fig. 400.



Fig. 420.

Fig. 405.

Lace Type Stage Connectors are made of hard fibre and cut diagonally on the ends. Each end is drilled with two eyeholes to allow the cable ends to be laced to the connectors, taking off all strain from connecting screws.

Fig. 420 shows a 2-way Multiple Stage Connector designed to take off two separate connections from one feed cable.







Fig. 447.

LACE TYPE.

Fig.			Amp.	Volts.	Each.	Word.
400	Fibre	2-Pole	5	125	\$.90	Pearl
405	66	2 "	25	125	1.50	Pebble
410	"	2 "	50	125	2.50	Pecan
415		2 "	75	125	4.50	Pedal
420		2-Way	5	125	2.00	Peer
425	"	2 "	25	125	3.00	Pelts

STAGE CONNECTORS FOR DRY BATTERIES.

Fig.		Amp.	Volts.	Price Each.	Code Word.
445	2-Pole	5	20	\$.45	Pepsin
446	2 ''	10	20	.55	Peril
447	2 "	2	20	.55	Perky

Figs. 445, 446 and 447 are made of hard rubber.



Fig. 99

CURLING IRON HEATER For Gas For Use in Dressing Rooms.

Fig. 999 consists of an iron box, well protected and ventilated and arranged to hold and heat several curling irons at one time. Can be set into or against the wall. A practical device, absolutely safe and fireproof.

	Fig.	Price	Code Word
0.	999	\$3.33	Quack



KNIFE SWITCHES AND SWITCH BOXES.

Fig. 525 is of the double pole knife switch type, substantially constructed and mounted in an approved enclosed iron box. Box is furnished with a special cable clamp and a flexible clamping device, with wing nut for 1" and 14" pipe.

				Code
Fig.	Amp.	Volts	Price	Word
525	30	125	\$2.50	Spray
526	50	125	3.50	Sprout
527	75	125	4.50	Squall

MOTION PICTURE TYPE.

Double pole knife switch with link fuse connections and lugs mounted on slate base, all enclosed in iron box with cable clamp on side for No. 6 cable.

Fig.	Amp.	Volts	Price	Code Word
528 No. 6 Cabl	e 60	250	5.50	Staff
529 " 2 "	100	250	6.50	Stain

IRON EXIT SIGNS.

Fig. 690.

Fig. 690 is made entirely of metal, letters cut out on the face and backed up by white glass and illuminated by red lamp. Face is removable.

naccu	by rea ramp.	1000		Code
Fig.	Size	Letters	Price	Word
680	10"x 5"	3"	\$3.50	Tabby
685	12"x 7"	5"	4.00	Tablet
690	16"x10"	8"	4.50	Tabor

GLASS EXIT SIGNS.

New York City Standard 8" Letters and Numbers.

This box is made entirely of metal and can be set into or against the wall, provided with one receptacle, and metal frame door which is hinged from box and holds the glass face. The face is ruby glass with white letters and numbers or white opal glass with red letters and numbers. Successive numbers are furnished. The box is painted white inside, and black outside and the frame door is painted gold.

Ruby glass with white letters and numbers.

Fig.	Size	Letters	Numbers	Each	Word
694	16" x 11" x 5"	8"	-	\$5.00	Tame
695	25" x 11" x 5"	8"	8"	5.50	Tang
696	31" x 11" x 5"	8"	8"	5.90	Tansy
	White opal glass	with red l	etters and	numbers.	
697	16" x 11" x 5"	8"	-	\$5.50	Tapir
698	25" x 11" x 5"	8"	8"	6.00	Tardy
699	31" x 11" x 5"	8"	8"	6.50	Task

EXIT signs of special design and construction made to order.

STAGE CHANDELIERS, SCENE BRACKETS AND FIXTURES.

We are prepared to furnish Stage Chandeliers, Scene Brackets and Fixtures of designs corresponding to the character of the scene. Fixtures will be of an approved pattern and practical for packing and transportation. They are furnished completely wired and with fastening device for scenery. Sketches furnished gratis and prices on application.



MOTION PICTURE SPOTLIGHT.

The new style lamp is superior to any other spotlight for light throwing at long distances. It is designed to give a 3-ft. spot at a distance of 100 feet as well as a 20-ft. spread.

This lamp is neat in appearance, efficient and compact in construction. The hood is made of Russian iron with aluminum front and rear, with large side door on spring hinges, and grooves for color slides or color wheel.

It carries a special arc lamp focusing frame for quick focus, which is controlled by rear wood knob, allowing the operator to change quickly from spot to flood or vice versa without unscrewing set screws or handle. The arc lamp burner is hand feed for A. C. or D. C. current, and is operated by wood knob under hood. The lens used is 6" in diameter of a special focus. The hood is well ventilated and thoroughly light-tight, and is fastened by swinging attachment to a telescopic iron stand with enclosed rheostat, detachable switch, asbestos wire and 25 ft. approved stage cable.

MOTION PICTURE SPOTLIGHT.

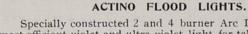
25 Amp. 125 Volts.

Fig.	Price.	Weight.	Code Word.
9	6-inch Lens Box\$50.00	68 lbs.	Betake
22	Color Wheel	23/4 "	Blush
289	6-inch Lens, plano-convex 2.80	-	Glebe
	25 Amp. 250 Volts.		
9A	6-inch Lens Box\$60.00	81 lbs.	Belch

LENS BOX ARC LAMPS FOR STAGE PURPOSES. 25 Amp. 125 Volts.

Fig. 5 6 7	Price. 5-inch Lens Box. \$42.50 6 45.00 45.00	Weight. 63 lbs. 63 " 65½"	Code Word. Beber Bebrins
7 8	6 " " with color wheel	65½ ·· 76 ··	Bectria Begul
5A 6A 7A 8A	5-inch Lens Box. \$52.50 6 " " with Color Wheel 58.50 8 " " 60.00	76 lbs. 76 '' 78½ '' 89 ''	Bail Bark Baffle Badge

Approved and listed by the Underwriters' National Electrical Association.

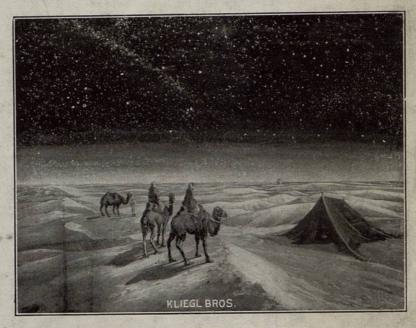


Specially constructed 2 and 4 burner Arc Lamps giving the most efficient violet and ultra-violet light for taking Motion Picture films. Better results are obtained with this lamp than with any other light source. Very economical and practical. Can be operated on A.C. or D C. current.

Fig. 1001 is constructed of a sheet iron hood with two handfeed burners, telescopic iron stand with castors, enclosed rheostat and switch, asbestos and 25 ft, stage cable attached.

Fig.				Price.	Code Word.
1001	2 Burner	30 Amp.	125 Volt	\$ 65.00	Adept
1002	2	30	220	75.00	Adult
1003	4	30 "	120	120.00	Allay
1004	4 "	30 "	220 "	140.00	Allot
	1001 1002 1003	1001 2 Burner 1002 2 " 1003 4 "	1001 2 Burner 30 Amp. 1002 2 " 30 " 1003 4 " 30 "	1001 2 Burner 30 Amp. 125 Volt 1002 2 " 30 " 220 " 1003 4 " 30 " 125 "	1001 2 Burner 30 Amp. 125 Volt \$65.00 1002 2 " 30 " 220 " 75.00 1003 4 " 30 " 125 " 120.00

KLIEGLEBROS. ELECTRIC STAGE AND SCENIC EFFECTS.



The above is an illustration of the desert scene in the production; "The Garden of Allah," showing the night scene with the brilliantly lighted starry sky; a correct reproduction of a southern sky, with the Milky Way and falling stars. The final scene follows the illusion of the driving sand storm effect in the early part of the scene, with the sand sweeping by in tremendous drifts, and the shrieking wind howling over the desert waste. No words can describe the weird, unearthly effects of this stage phenomenon. The audience involuntarily brushed imaginary sand out of their eyes.

Original effects created for "Madam Butterfly", "Under Two Flags", "Rheingold", "Darling of the Gods", "Ninety and Nine", "Wizard of Oz", "Babes in Toyland", "The Vanderbilt Cup", "Creation", "Galveston Flood", "Fall of Pompeii" "The Land of the Midnight Sun", "The Blue Bird", "The Bird of Paradise", "The Garden of Allah", etc.

We are manufacturers and designers of Electrical Stage and Scenic Effects for Electrical Spectacular Productions, Summer Park Amusements and Expositions, and every mechanical and optical contrivance possible is employed to make same realistic.

Space is too limited to describe all the different Stage Effects we make and produce.

For further particulars and prices on Effects, see Catalogue F.