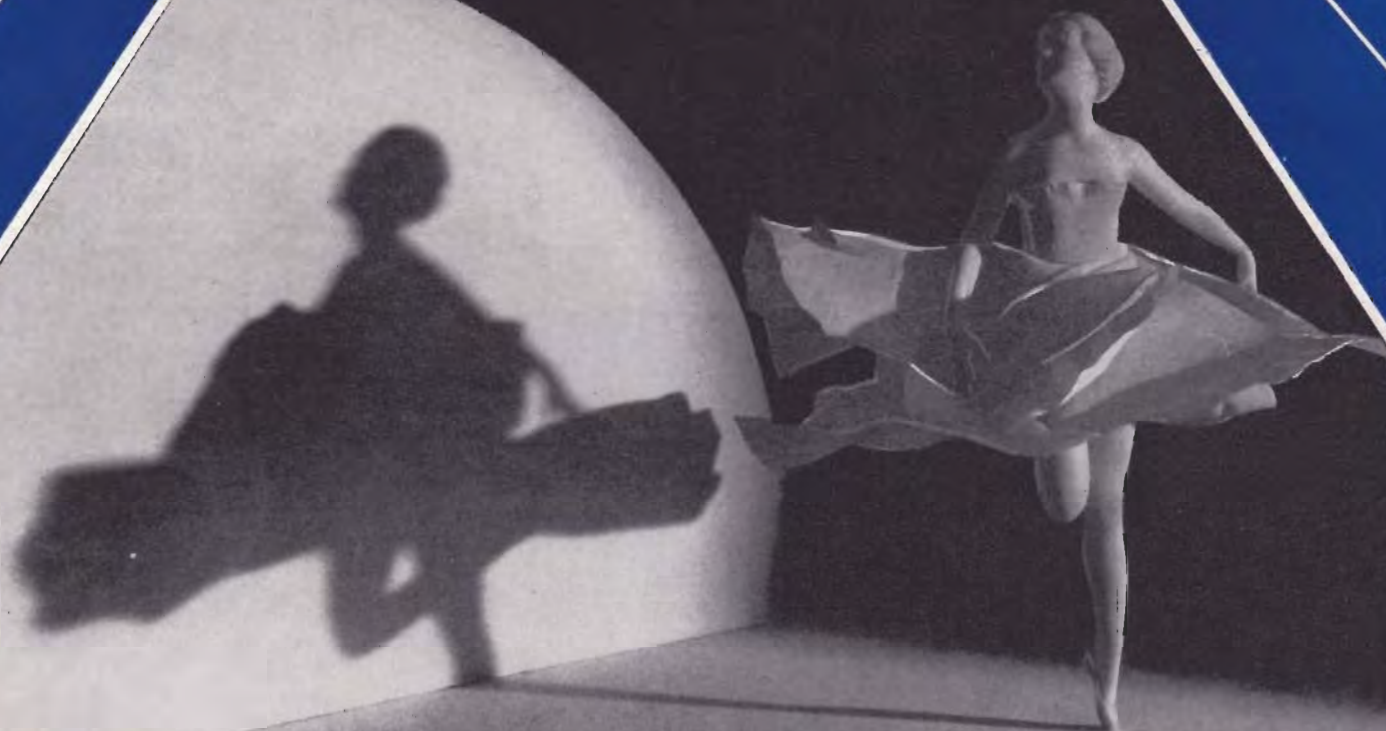


With
ALZAK
REFLECTORS

MAJOR



BULLETIN
No. 54

SPOT-LIGHTS BOX-LIGHTS OLIVETTES

Major Engineering and Sales Service

Those who are familiar with the Major Equipment Company's history have noted how the constant effort and research has made available, methods and design by means of unusual inventive engineering. Impressive and revolutionary product changes are announced individually, as in the use of Alzak. Many minor improvements go through unheralded except by revised shop drawings.

Because of this eagerness to forever improve the equipment, the buyer of Major products may be

assured that, whenever purchased, a Major lighting unit embodies today's latest thought combined with the best thoughts of yester-years.

Major Sales Service is also a constant factor, as all Major Sales are based upon the performance of the equipment, properly selected to fulfill the requirements of each specific job. The "Sales-Engineer" from Major is a trained technician who knows Major Equipment and meets your demands effectively and efficiently.

Selection and Use of Spotlights

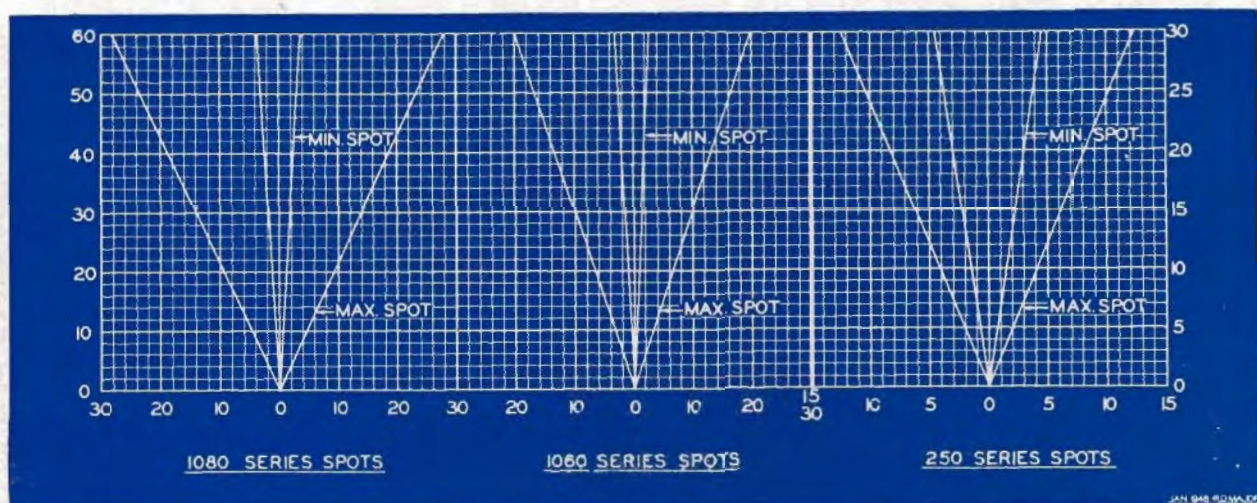
Spotlights have a wide range of usefulness yet they project exactly what the name implies, a Spot of Light. The location of the spotlight in relation to the location of the Spot of Light desired determines the length of throw. The diameter and intensity of the light spot guides the selection between 8" lens, 6" lens and 4½" Baby lens. Naturally the size wattage of lamp affects the intensity. It is well to remember also the more

concentrated the area of the spot of light the greater the intensity. Make your selection of a type that gives the best results somewhere between the minimum and maximum performance so that a margin each way is available. Major Spotlights are precise, yet they have a wide range of focus for general use. If your circumstances are unusual you are invited to consult a Major representative.

Chart of Spot Areas

This blue print charts the Major Spotlight performance for ease in figuring. The numerals are in feet, both as to length of throw and diameters of spot areas. For example an 8" lens spotlight will throw a maximum spot of light, 45 feet

in diameter, at a distance of fifty feet. The same spotlight will project a minimum spot of light 9 feet in diameter at fifty feet. Any sized spot between these diameters is, of course, available.



**FIELD OF No. 1080
SPOTLIGHT**

**FIELD OF No. 1060
SPOTLIGHT**

**FIELD OF No. 250
BABY SPOTLIGHT**

MAJOR

Higher Efficiency with ALZAK

MAJOR predomination in the theatre lighting field is neither accident nor luck—it is the result of constant study, experiment and testing—ever on the lookout to make a better product that will cost less by virtue of fewer replacements of wearing parts and with more permanent efficiency. Major's policy is one of leadership and accomplishment that must be maintained. Major has introduced many revolutionary changes in Auditorium lighting such as Prefocus Sockets, Aluminum Castings and other outstanding improvements—and now another forward step to maintain this enviable position—ALZAK reflectors on Spotlights—and Olivettes. ALZAK has been put to work wherever its effect would enhance the job of a reflecting surface. In light it means efficiency—in dollars it means more light for the money.

PREFOCUS SOCKET

The socket is set by experts at the factory and remains fixed perfectly, regardless of the number of light globes that follow the first one. It is never necessary to refocus either a new lamp or reflector.

VENTILATION

Designed with light-proof holes of ample size entirely across the top affording perfect ventilation.

COLOR FRAME HOLDERS

Made of $\frac{1}{8}$ " sheet aluminum and fitted with a spring tension device which keeps the frame tight against the front, eliminating leakage of white light and preventing color frame from falling out when spotlight is moved about.

LENS AND HOLDERS

High polish imported lens that does not discolor. Lens held in position with brass spring ring in a special groove which prevents lens from falling out.

NO LIGHT LEAKAGE

The Rear Access Door has a cast aluminum flange around the edge so that light cannot escape. A strong latch is provided that eliminates possibility of rattle. The entire spotlight is enclosed by a double wall with air space between. Linings overlap allowing circulation without light leakage.

RIGID REINFORCEMENT

A continuous frame, fixed between cast aluminum front and back plates, is drilled and tapped to hold the hand wheel fittings and reinforce the spotlight and supporting yoke, thus giving rigidity that will withstand hard usage.

COOL HANDLING

A Heavy Spade Wood Handle provides an easy and cool hand grip. A large Bakelite Knob operates the sliding channel carrying the Prefocus Socket and lamp assembly to and fro. They work smoothly, quietly and because of the ventilation and slot-closing devices they are cool and leak-light proof.

SUPPORTS

The yoke is securely attached and can be supplied with 2 piece Cast Aluminum Pipe Clamp or substantial Pipe Stand Support with heavy cast iron Floor Base.

SPOTLIGHTS



HOOD

All Major Spotlight Hoods are made of galvanized iron and will not rust; finished in Black Kristokrak that is heat-resisting and attractive.

ELECTRICAL EQUIPMENT

MAJOR Spotlights with the Pipe Stand Support are equipped with 3 feet of moving picture machine heavy asbestos cable, 15 ampere slip connector, and 25 feet of extra flexible No. 14 Stage Cable. Spotlights ordered with Yoke only or with Pipe Clamp Support are equipped with 3 feet of moving picture machine heavy asbestos cable only.

MAJOR

Spotlights—6" and 8" Diameter Lenses

USE 1000W G40 MOGUL PREFOCUS BASE SPOTLIGHT TYPE LAMP
LIGHT CENTER LENGTH 3 15/16"

MAJOR continues to lead in building perfectly designed and constructed Spotlights. Now ALZAK for the reflector adds that feature that makes MAJOR Spotlights better than any other. Our origination of the Prefocus Socket and the addition of ALZAK reveal our constant efforts toward absolute perfection. No feature of precision construction and uniform materials has been overlooked, completely tested and inspected—we offer these outstanding Major Spotlights with pride.

LIST PRICES—Major Spotlights with 8" Lens

Major No. 1080 Standard Nitrogen Spotlight, Complete with Stand and Cable.—Furnished with adjustable stand with 18" diameter cast iron base, 25 ft. of No. 14 stage cable, slip connector and one (1) metal color frame; lamp not included. Black Kristokrak finish. Shipping weight 52 lbs. each. **List Price, Each \$74.00**

Major No. 1081 Standard Nitrogen Spotlight Hood with Yoke only—(No stand or fittings), wired with 3 ft. of asbestos cord only, and furnished with one (1) metal color frame. Lamp not included. Black Kristokrak finish. Shipping weight 29 lbs. each. **List Price, Each \$62.00**

Major No. 1082 Standard Nitrogen Spotlight with Pipe Clamp Support—Furnished with 2 piece Cast Aluminum Pipe Clamp and Pipe Nipple complete for use on Pipe Batten (no stand or fittings), and furnished with one (1) metal color frame, not including the lamp or batten. Black Kristokrak finish. Shipping weight 32 lbs. each. **List Price, Each \$69.00**

Major No. 108 Extra Metal Color Frames. **List Price, Each 80c**

LIST PRICES—Major Spotlights with 6" Lens

Major No. 1060 Standard Nitrogen Spotlight, Complete with Stand and Cable.—Furnished with adjustable stand with 18" diameter cast iron base, 25 ft. of No. 14 stage cable, slip connector and one (1) metal color frame, lamp not included. Black Kristokrak finish. Shipping weight 40 lbs. each. **List Price, Each \$62.00**

Major No. 1061 Standard Nitrogen Spotlight Hood with Yoke only—(No stand or fittings), wired with 3 ft. of asbestos cord only, and furnished with one (1) metal color frame. Lamp not included. Black Kristokrak finish. Shipping weight 26 lbs. each. **List Price, Each \$50.00**

Major No. 1062 Standard Nitrogen Spotlight with Pipe Clamp Support—Furnished with 2 piece Cast Aluminum Pipe Clamp and Pipe Nipple complete for use on Pipe Batten (no stand or fittings), and furnished with one (1) metal color frame, not including the lamp or batten. Black Kristokrak finish. Shipping weight 29 lbs. each. **List Price, Each \$57.00**

Major No. 106 Extra Metal Color Frames. **List Price, Each 70c**

Heat Resisting Pyrex Lens

Standard equipment for 8" lens Spotlights is designed for a G40 1000 Watt Lamp with Prefocus Socket. The 8" lens Spotlight may be used with a 1500 Watt or a 2000 Watt lamp, only if equipped with Major Pyrex Heat Resisting 8" Lens. Order this special lens if these sized lamps are to be used. **List Price, Each Additional \$38.00**

Upon request any type of spotlight can be furnished with screw base socket to receive standard screw base lamps at the prices shown above. Prefocus Base Sockets are standard Major equipment and are therefore supplied at no additional cost.

Dimensions

Cat. No. 1081

Length Overall 19 3/4"
Width Overall 14 1/2"
Height Hood only 15 3/8"
Length Hood only 17 1/4"
Width Hood only 10 1/2"

Cat. No. 1061

Length Overall 18 3/4"
Width Overall 12"
Height Hood only 15"
Length Hood only 16 1/4"
Width Hood only 8"

Cat. No. 251

Length Overall 10"
Width Overall 7 1/2"
Height Hood only 8"
Length Hood only 8 1/2"
Width Hood only 6"

Baby or Pin Spotlights

Use Either 250W or 400W G30 Medium Prefocus Base Spotlight Type Lamp
Light Center Length 2 1/8"

MAJOR Baby Spotlights are equal in every way to the Major Standard Spotlight, and have every construction feature. Each is equipped with a 4 1/2" diameter lens.

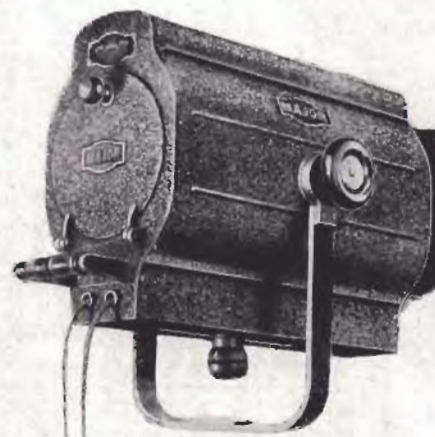
LIST PRICES

Major No. 250 Baby Nitrogen Spotlight, Complete with Stand and Cable—Furnished with single non-telescoping pipe stand having 25 ft. of No. 14 stage cable, slip connector, and one (1) color frame, but not including the lamp. Shipping weight 30 lbs. each. **List Price, Each \$38.00**

Major No. 251 Baby Nitrogen Spotlight Hood Only—Complete with yoke only (no stand or fittings), wired with 3 ft. of asbestos cord only, and furnished with one (1) metal color frame; but not including the lamp. Shipping weight 17 lbs. each. **List Price, Each \$31.00**

Major No. 252 Baby Nitrogen Spotlight with Pipe Clamp Support—Furnished with clamp and pipe nipple, complete for use on pipe batten and furnished with one (1) metal color frame (no stand or fittings); with 2 ft. of asbestos cable, but not including the lamp. Shipping weight 18 lbs. each. **List Price, Each \$38.00**

Major No. 40 Extra Metal Color Frames **List Price, Each 50c**



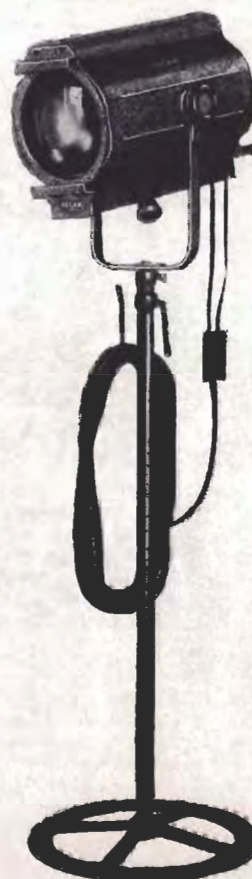
Hood With Yoke Only

Completely furnished with 3 ft. asbestos cord and one metal color frame. Lamp not included.



With Pipe Clamp Support

Standard yoke equipment can be used for overhead support with Major Pipe Clamp.



Complete with Stand and Cable

6" and 8" spotlights are furnished with telescoping stand, for adjusting to various positions. Baby spotlights are furnished with a non-telescoping type stand. All are equipped with 18" cast iron base, 25 ft. of No. 14 stage cable and 15 Amp. slip connection.

Box Lights with Individual ALZAK Reflectors

THESE new designs for Major Box Lights with the new Alzak reflecting surfaces make excellent units for overhead floodlighting. A series of these provide a tremendous amount of illumination of more flexible control, both for color and position, than a border light. The Major Box Light now has the finest of Alzak reflective power, great stability, good ventilation, and a smooth exterior that even a gauze drop will pass without fouling. Made in two sizes, each a unit spun Alzak aluminum reflector with color or clear roundels. We recommend the use of roundels (which is standard equipment) but will, upon definite specification, furnish these box-lights equipped for use with, and furnish, color frames instead of roundels at the same list price.

Major Roundels are molded of the finest heat-resisting glass and are the only ones supplied, to our knowledge, in the following genuine primary colors:

Clear Diffusing	Amber Diffusing
Red Diffusing	Green Diffusing
Blue Diffusing	Yellow Diffusing
Revelation Roundels	



Type 351



Type 350

Small Box Light with Clamp

Major No. 351 Baby Nitrogen Box Light for 300W-PS35 or 500W-PS40 lamp. Catalog No. 351, complete with No. 32 Pipe Clamp Hanger, spun Alzak aluminum reflector, slip retaining ring, glass roundel, new Major molded mogul socket and wired with 2-ft. of asbestos cord; not including lamp. (Specify color of roundel desired.)

Cat. No. 351	List Price, Each \$30.00
Extra Roundels	List Price, Each \$ 6.00
Revelation Roundels	List Price, Each \$ 8.00
Shipping weight, 22 lbs. each	

Small Box Light with Chains

Major No. 350 Baby Nitrogen Box Light for 300W-PS35 or 500W-PS40 lamp. Catalog No. 350, complete with suspension chain hangers, spun Alzak aluminum reflector, slip retaining ring, glass roundel, new Major molded mogul socket and wired with 2-ft. of asbestos cord; not including lamp. (Specify color of roundel desired.)

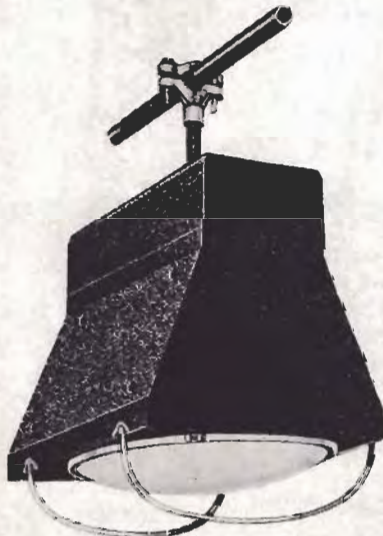
Cat. No. 350	List Price, Each \$30.00
Extra Roundels	List Price, Each \$ 6.00
Revelation Roundels	List Price, Each \$ 8.00
Shipping weight, 22 lbs. each	

Large Size Box Light with Pipe Clamp

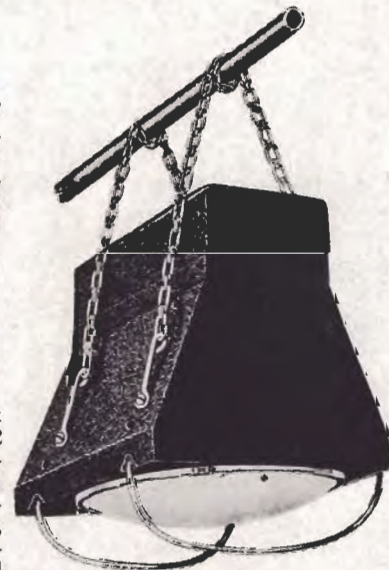
Major Type 6101—Standard Large Size Box Light for 1500W, 1000W or 750W PS52 lamp. Catalog No. 6101, complete with No. 64 Mogul pipe clamp hanger, spun Alzak aluminum reflector, clamp retaining ring, glass roundel, new Major mogul socket and wired with 2-ft. asbestos cord. Not including lamp. (Specify color of roundel.)

List Price, Each \$62.00

Shipping weight, 45 lbs. each.



Type 6101



Type 6100

Large Size Box Light with Chain Hangers

Major Type 6100—Standard Large Size Box Light for 1500W, 1000W or 750W PS52 lamp. Catalog No. 6100, complete with suspension chain hangers, new Major molded mogul socket, spun Alzak aluminum reflector, clamp retaining ring, glass roundel, and wired with 2-ft. asbestos cord. Not including lamp. (Specify color of roundel desired.)

List Price, Each \$62.00

Shipping weight, 45 lbs. each.

Extra Roundels, any color or clear	List Price, Each \$15.00
Revelation Roundels	List Price, Each \$17.00
Shipping weight, 1 lb. each	

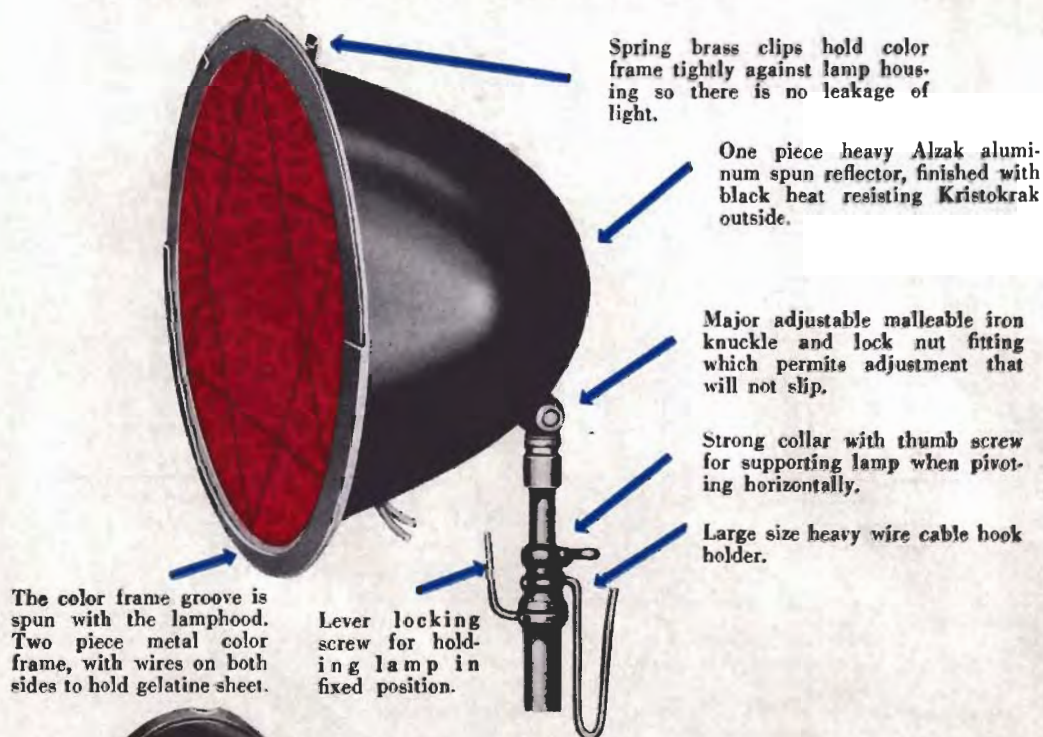
MAJOR

New Design Olivettes—Efficient

Use 1500W or 1000W or 750W PS52 Lamp

EVERY lighting engineer has but one thought in mind—efficiency. Progress has been rapid in the development of improvements in many lighting problems because at the inception of electric lighting the efficiency was so far from complete. MAJOR has been an important factor in engineering and adding improvements to this fascinating field. ALZAK has done more to make for perfect illumination than any other single medium and without any additional cost (besides innumerable features shown) MAJOR gives you OLIVETTES.

ALZAK processed reflectors with a reflective factor of 85, have the highest reflective power of any known practical medium. It is a revolutionary electrolytic process that does not tarnish—is slow to collect dirt—will not crack or peel and is very easy to clean.



Cat. No. 1521A

COLOR FRAMES



Cat. No. 21A
— Two (2) piece metal color frames, complete (no gelatin). List Price, Each \$2.40.

LIST PRICES

Cat. No. 1520A—Standard Nitrogen Olivettes, complete with stand and cable. Furnished with adjustable stand with 18" diameter cast iron base, 25 ft. of No. 14 stage cable, slip connector and one (1) color frame. Not including lamp. Shipping weight, 50 lbs. each. List Price, Each \$62.00

Cat. No. 1521A—Standard Nitrogen Olivette Hood only with knuckle joint, and wired with 3 ft. of asbestos cord only. Lamp not included. Shipping weight, 32 lbs. each.

List Price, Each \$50.00

Cat. No. 1522A—Standard Nitrogen Olivettes with Pipe Clamp Support. With No. 64 Pipe Clamp for mounting on vertical or horizontal pipe frames; (1) color frame. Lamp not included. Shipping weight, 35 lbs. each.

List Price, Each \$57.00



Cat. No. 1520A

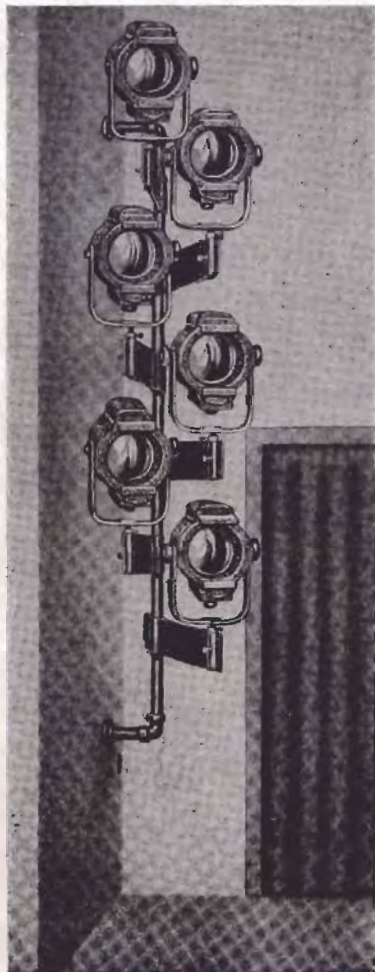
Multiple Mounting

THE desire for a great flood of light from the first entrances has called for a multiple mounting bracket as shown below. This not only fulfills the proscenium entrance requirements but has many other uses for spotlight mounting.



LIST PRICES

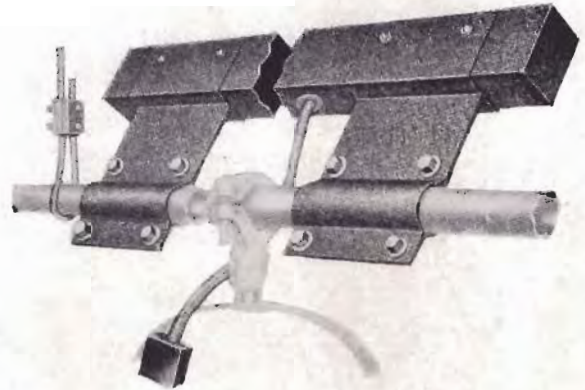
Catalog No. MM--Bracket complete with locking bolts, for 1½" pipe and spotlamp holder, with adjustable wing bolt for position. **List Price, Each \$10.00**



The illustration shows how compactly six spotlights can be mounted clear of the floor and close against the wall. This multiple mounting bracket is also used on portable stage and hanging bridges. These are spotlights with 8" lenses, yet the outside handle is only 21" from the proscenium wall and all six are mounted in a vertical distance of seven feet.

Batten Boxes

FOR current supply to spotlight or Olivette hung on the pipe batten. This batten box has been found most practical. It clamps directly to the pipe batten, extending the entire length, and all wiring is enclosed. 18" of super-service cord leads equipped with 15 ampere slip connectors are spaced approximately every eighteen inches. This new Major Batten Box can be used on swinging bridges with equal facility, and does away with all long runs of cables that are both dangerous and expensive.



LIST PRICES

Catalog No. BB--Batten Box, furnished complete with sufficient supporting iron brackets for clamping to pipe. Completely wired for circuits and super-service leads and slip connectors (as specified), not including pipe batten or rigging of any kind. **List Price, Per Foot \$16.00**

Shipping weight, 8 lbs. per foot

• • •

We are prepared to supply all designs of special mounting and current supply material needed for special equipment. We shall be glad to furnish drawings and specifications upon receipt of detailed inquiry.

ACCESSORIES



New MAJOR ALL-Purpose Slip Connector, 15 Amp. Capacity

Life-long construction, black bakelite, with easy separating hand grip. Firm contact machined to a plus and minus .002".

Exclusively designed knockout feature affords a combination cable entrance in both male and female—either one No. 12 stage cable or two moving picture machine asbestos cables.

Cat. No. 21—List Price

Complete, Each \$3.40



MAJOR

Crowfoot Stand—For supporting and fastening unit to post or other surface or for temporary lighting. Standard 1/2" pipe threads.

Cat. No. 10F—

List Price, Each \$1.70



MAJOR

Heat Resisting Pyrex Lens

Made of the finest Pyrex glass capable of resisting high temperature heat. To be used in 8" spotlights especially when G-40, 1500 watt or G-48 2000 watt lamps are used.

Cat. No. 8PL — Diameter 8", 10" focus.

List Price, Each \$56.00

MAJOR Standard Lens

Unusually clear lens chosen for long service, as supplied with Major spotlights as standard equipment.

4 1/2" Cat. No. 4L 4 1/2" x 6 1/2"

List Price, Each \$3.80

6" Cat. No. 6L 6" x 12"

List Price, Each \$12.00

8" Cat. No. 8L 8" x 12"

List Price, Each \$18.00



MAJOR Stage Plugs All 50 Amp. Cap.

Exceptionally well built of finest materials, universal type and can be used in any receptacle designed to use this type plug. MAJOR stage plugs have two heavy spring contact blades instead of one.

Cat. No. 800 for Incandescent Fixtures—

List Price, Each \$3.40

Cat. No. 800-A for Arc Lamps—

List Price, Each \$3.40



MAJOR Cast Iron Base

Open type, 1" pipe thread, approximate weight 18 lbs., 18" diameter.

Cat. No. CIB-18 —

List Price, Each \$9.00



MAJOR PIPE CLAMPS

Medium Pipe Clamp Stand is intended for supporting the Baby Spotlight on pipe or other round surface. Clamp capacity 1" to 2".

Cat. No. 32—List Price, Each \$7.00

Mogul Pipe Clamp Stand is intended for heavier units like the 1060 or 1080 series of Spotlights, Box Lights and Olivettes. The clamp capacity 1" to 2".

Cat. No. 64—List Price, Each \$9.00

MAJOR Gelatine Color Wheel for Spotlights

Sturdy, simple design, triangle, one point frame fastening construction with five color circular openings.

Hand Operated Only

Cat. No. 4CW—4 1/2"..... List Price, \$20.00

Cat. No. 6CW—6"..... List Price, \$23.00

Cat. No. 8CW—8"..... List Price, \$26.00

MAJOR Major Equipment Company

A Capable Engineer in Every District Office—Coast to Coast!

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