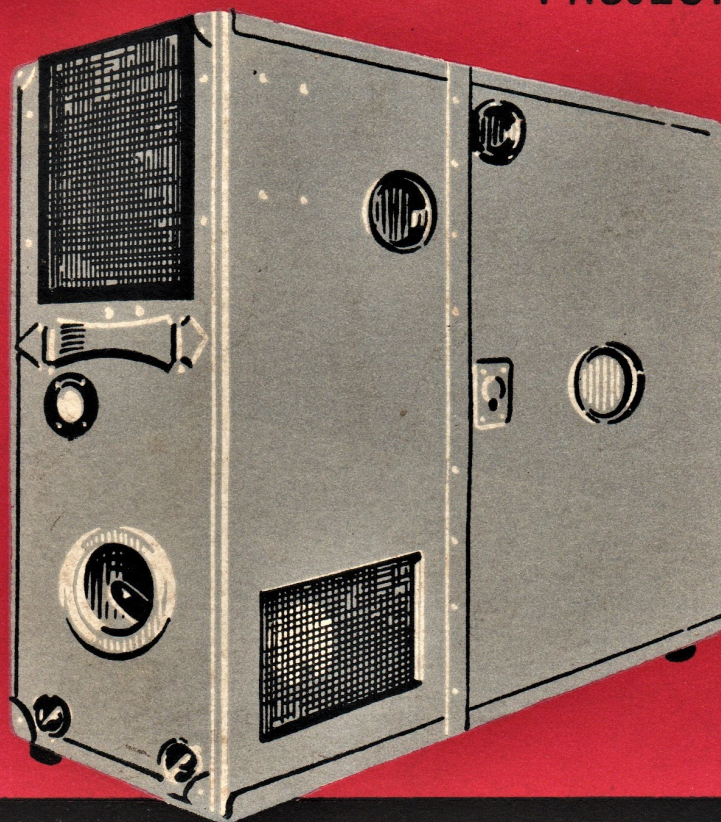


Bauer

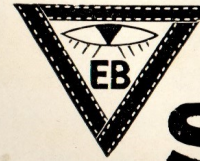
Sonolux

PORTABLE
PROJECTOR



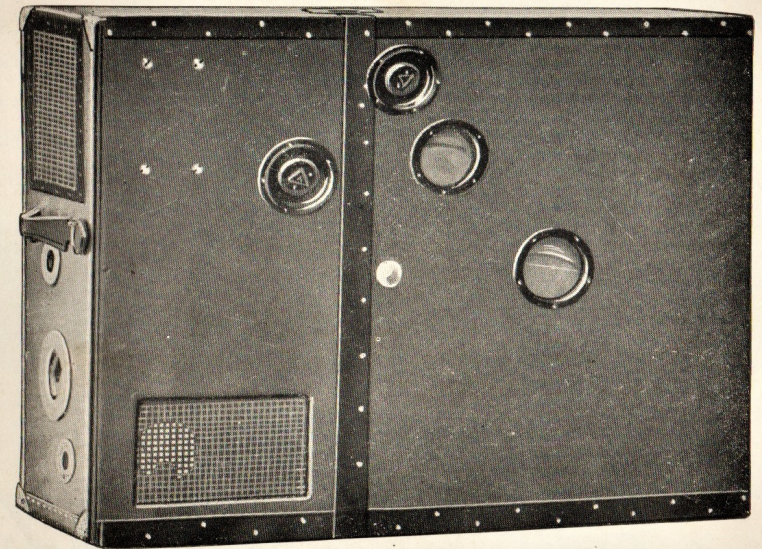
PORTABLE EQUIPMENT FOR SILENT
AND SOUND FILM PROJECTION

Bauer



SONOLUX

PORTABLE PROJECTOR



BAUER LTD.

Warner House, 135 Wardour Street,
London, W.1

Telephone:
Gerrard 1242

Cables and Telegrams:
Cinesound, Rath, London

SONOLUX

IN contrast to all portable equipments which have hitherto appeared on the market, a machine has been produced, the drive of which is comparable to that of a normal Projector. The mechanism of the Sonolux Portable Outfit embodies all the mechanical features of a modern theatre projector and advantages which enable it to be utilised as an adequate substitute for a permanently installed unit.

The same guarantee, common to all other Bauer products, is given with the Portable Outfit, including that of durability and uninterrupted performance on a par with any permanent installation. The Portable is not a make-shift, but, despite its trunk-shape, a Projector for silent and sound films, the perfection of which can hardly be surpassed.

Where formerly the purchase of a portable outfit seemed inadvisable owing to its temporary character, the Sonolux is designed to conquer all the usual shortcomings of this type of apparatus.

Its Possibilities are Limitless

Sonolux is especially recommended for :

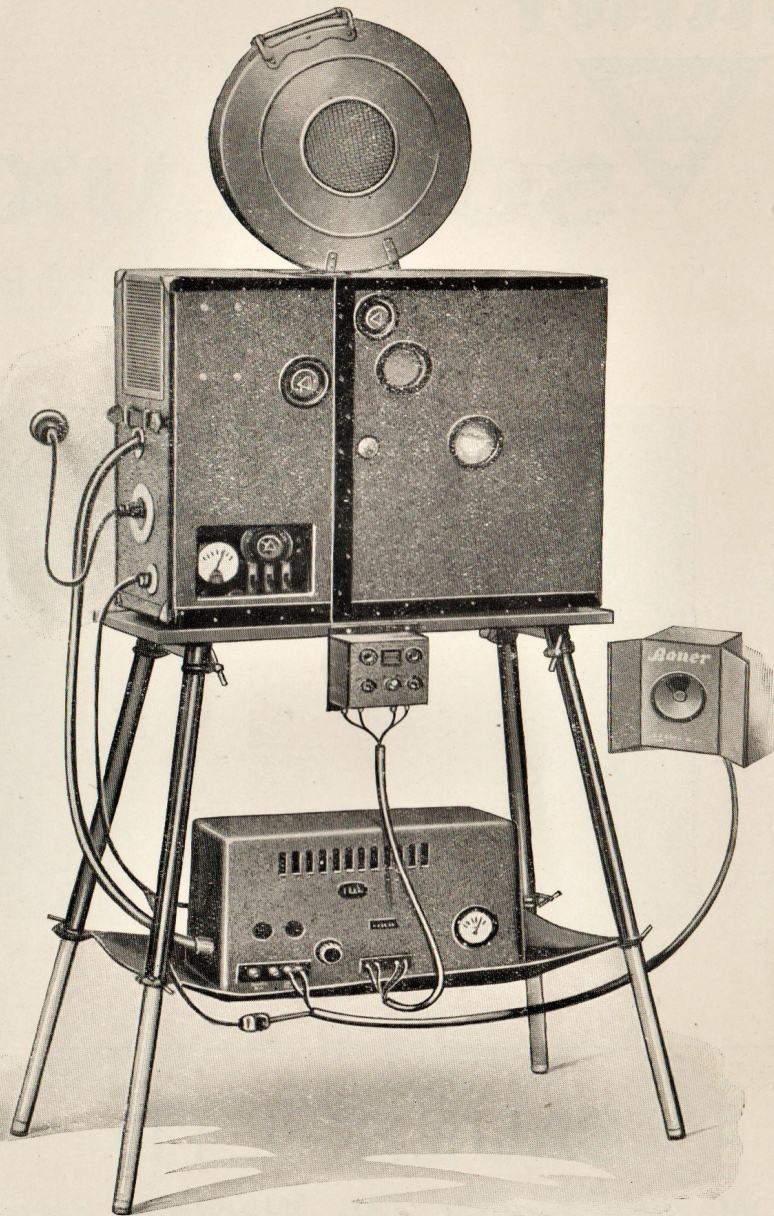
Schools and Travelling Shows

Use in Trains and on Ships

Propaganda work of every description

Clubs, Political Parties, Etc.

Cinemas lacking permanent equipment.

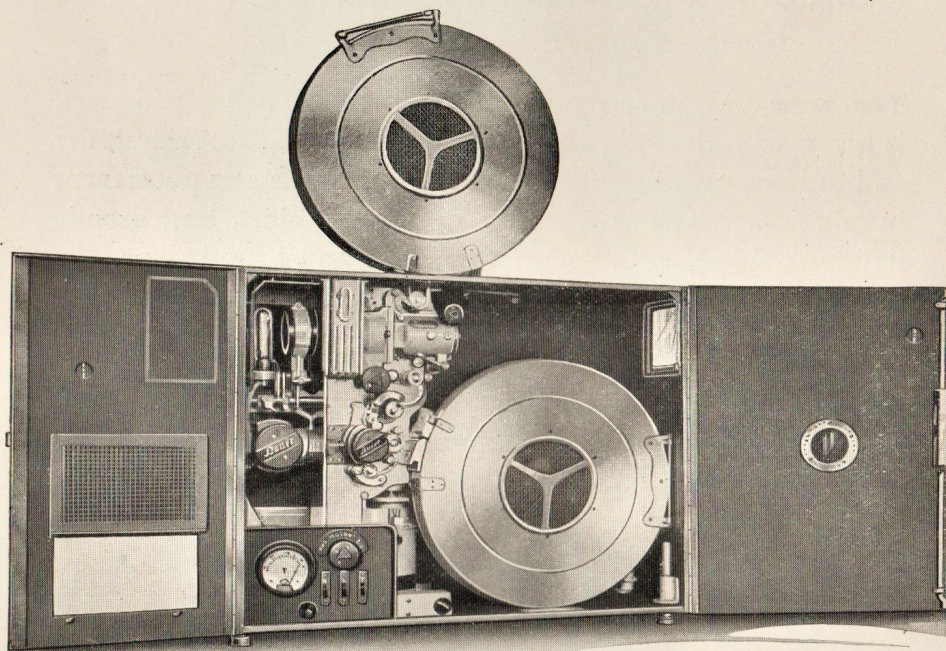


Sonolux complete and ready for projection with special pedestal.

Bauer Portable Sonolux

As a rule, greater demands are made upon a portable than on a permanent theatre equipment.

Exceptional stability is required owing to continuous transport. The means of effecting running repairs not always being available, absolute reliability must be guaranteed. Further, to ensure the success of periodical performances,



Sonolux ready for use.

it is essential that perfect projection and reproduction of sound are achieved which is in no way inferior to theatres of large towns. The complete assembly of the whole outfit must necessarily be quick and easy to accomplish and the supply of current to all points a matter of facility.

The Sonolux Equipment fulfils all the above demands. Full guarantee is given for perfect performance, even when put to the most stringent test.

The following outstanding features should be noted:

Simple handling

Immediate electrical supply

Sturdy construction

Perfect projection

Absolute reliability

Encased sound head

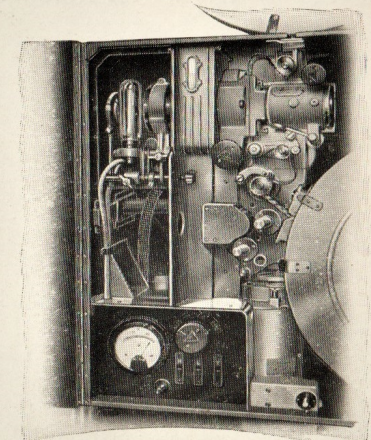
Clear and natural reproduction of dialogue and music

Minimum wear of film.

The portable is equipped for alternating current from 115 to 240 Volts; a small A.C.—D.C. transformer is used where only direct current is available.

"Sonolux" for Silent Films.

The portable is also supplied without sound head for the exclusive projection of silent films. In such cases, the sound head can always be equipped at any time when desired. The complete equipment with sound head can of course be used for silent films. In such cases, the film is conducted from the upper spool direct to the lower spool without passing through the sound head.



Sonolux without Sound Head.

Mounting.

In order to construct the Projector to correspond with a normal theatre machine, it was necessary to overcome exceptional difficulties, especially in view of the limited space available in the box. This difficult problem was solved by mounting the projector head on the motor. A vertical shaft runs through the whole of the mechanism which sets both the sound head and driving sprockets of the projector in motion. This not only ensures a smooth and continuous movement, but eliminates the possibility of breakdown during projection.

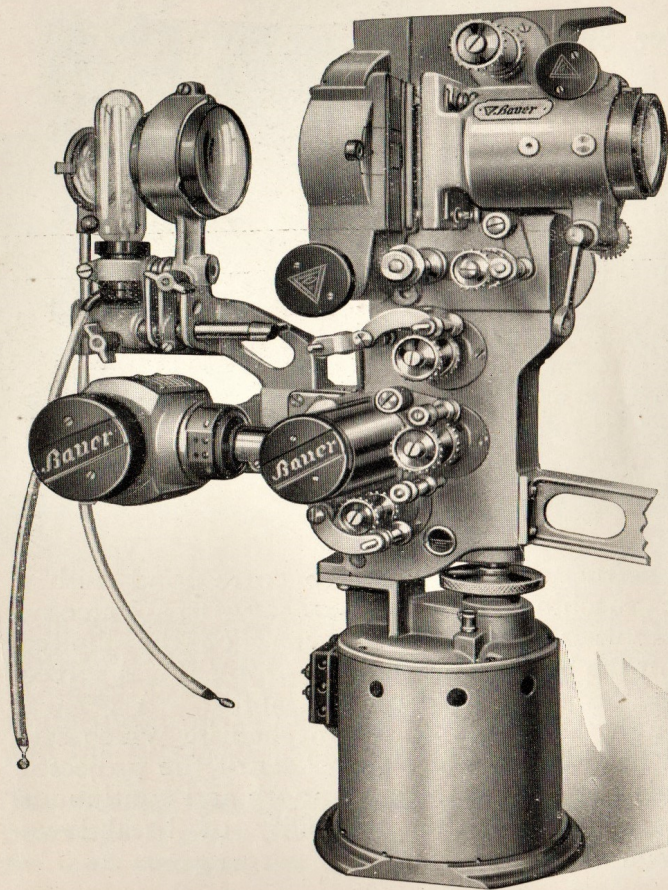
PROJECTOR

The Projector is Completely Encased.

All parts are accurately machined and, therefore, can be replaced without difficulty. In design, there is no difference between the "Sonolux" projector and that of a normal up-to-date theatre machine, and consequently it possesses the same advantages.

Automatic Oiling.

The whole of the mechanism is automatically oiled. An integrally geared pump has been installed which constantly lubricates all running parts, including those of the sound head, thus the whole mechanism requires little or no attention.



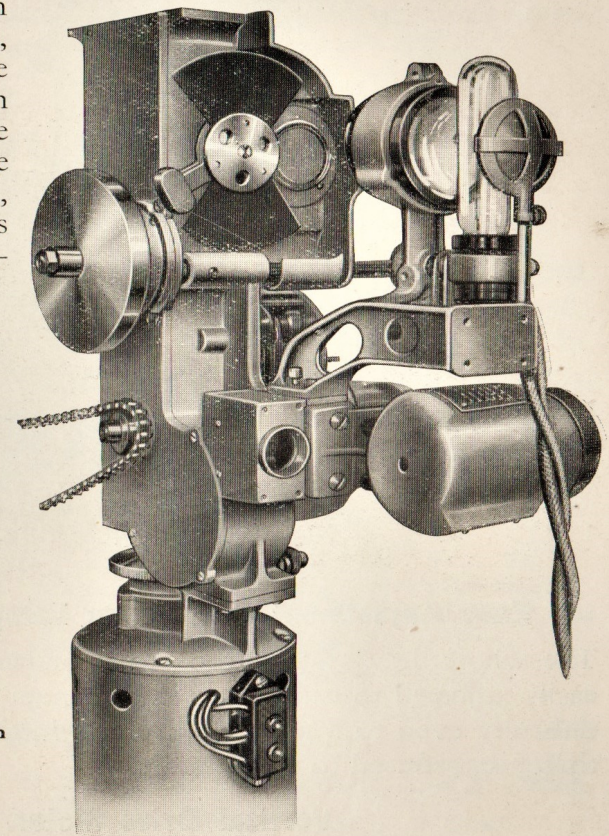
Sonolux
Mechanism
operating side.

Indestructible Maltese Cross Movement.

The same Maltese Cross as equipped to the Bauer M 7 Projector is used. This movement has proved itself most efficient for years past and consequently the "Sonolux" Portable can confidently claim to be free of all troubles in the intermittent movement given normal conditions of use. The Maltese Cross receives constant lubrication in common with all other parts of the machine.

Rear Shutter.

As in the case of every modern theatre machine, this Projector is supplied with a rear shutter, mounted in the same manner as in the case of the Bauer M 7. The light efficiency, therefore, affords the highest satisfaction.

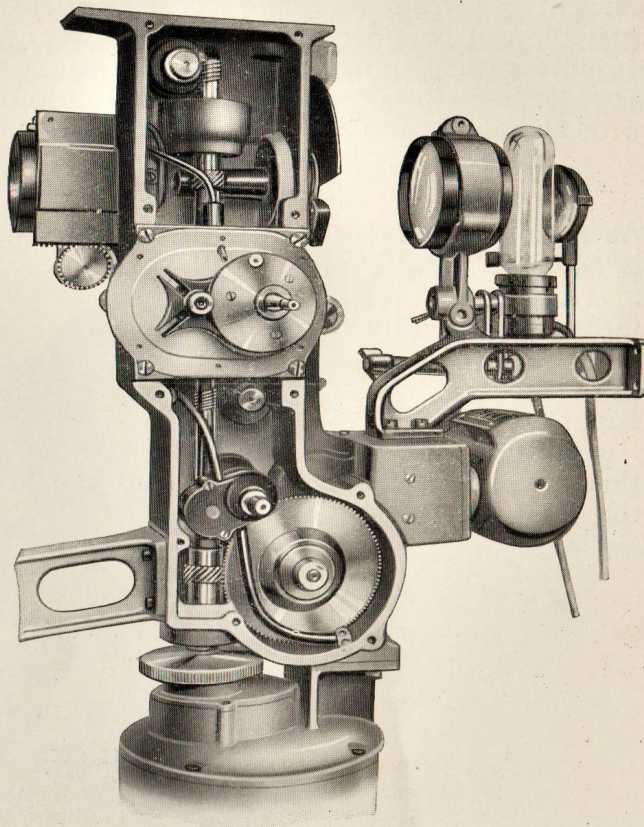


Sonolux Mechanism
Fly Wheel side.

Lens Mount 62.5 mm. diameter.

The lens mount is for lenses of a 62.5 mm. diameter. It is, therefore, possible to use a lens of exceptional

light-transmitting capacity, which materially contributes to perfect screening. The lens mount is firmly attached to a door which opens parallel to the film gate.



Sonolux
Mechanism opened.

Easy Adjustment of Projector Lamp and Mirror.

The whole light system, the projector lamp and mirror, are easily adjusted to each other in a manner which presents no difficulty even to a novice. Defects in the light system are therefore reduced to a minimum.

Vertical Drive Motor.

The sound film motor is of ample size and of the very best quality. Its operation is absolutely silent and vibrationless and has been thoroughly tested as regards reliability.

Built-in Cooling System.

A ventilator is equipped in the motor, which not only cools the motor itself but incidentally the whole projector system in an efficient manner. The Portable is, therefore, safeguarded against overheating during projection.

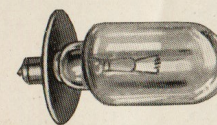
Normal Film Drive.

Owing to the particular arrangement of the fire-proof spool boxes, an absolute normal film drive is ensured. At no point does the film undergo unnatural looping and is consequently no more liable to wear and breakage than when projected from a normal theatre machine.

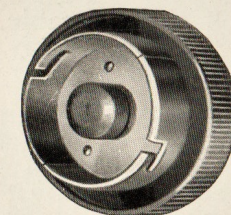
SOUND HEAD

The Sound Head is built into the Projector.

This particular head corresponds to the Bauer Sound Head LT 5. In combining the projector with the sound head, simple operation and increased reliability are ensured. In addition, thanks to the absolute rock-steady running, perfect reproduction is attained, which could not be surpassed in a permanently installed equipment.



Exciter Lamp.



Cover Cap
for Exciter Lamp.

Self-Centring Exciter Lamp.

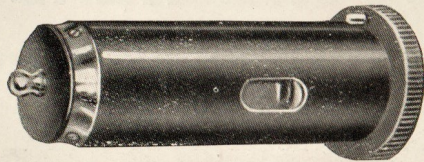
The exciter lamp is fitted with a self-centring flange which renders the replacement of a defective lamp a matter of seconds only. It is merely necessary to remove the cover cap of the lamp casing and replace with a new lamp. The centring or adjustment of the exciter lamp is entirely accomplished by this means.

Optical Efficiency.

The optical system is designed to yield the highest possible concentration of light on the sound track. The restricted dimensions of the sound head have enabled the whole unit, including the exciter lamp, to be arranged in the same plane of projection.

High Grade Photo Cell.

The sound head is equipped with a highly sensitive special Photo-Electric Cell of long durability, which eliminates the use of a first stage amplifier. A high reserve of output and perfect reliability are ensured by the extraordinary sensitivity of the electric emulsion. The cell is embedded in rubber and enclosed in a metal housing which completely



insulates the unit from electrical disturbances. A replacement can be effected in seconds, the trouble of connecting wires is completely obviated: the simple operation of replacing the cell cover automatically re-establishes contact between the cell and its cable.

Non-Sensitive Wiring.

The wiring between the photo-electric cell and the amplifying plant should be of the lowest possible capacity and should be completely free from capacity or induced disturbances of external origin. These requirements are unconditionally fulfilled in the conductors employed in this unit, so that its efficiency is of the highest possible standard. The cable is completely non-sensitive to any external disturbances and is especially protected against the chance transmission of machine noises. The photo-electric cell cable is guaranteed not to set up any electrical disturbances in contiguous conductors.

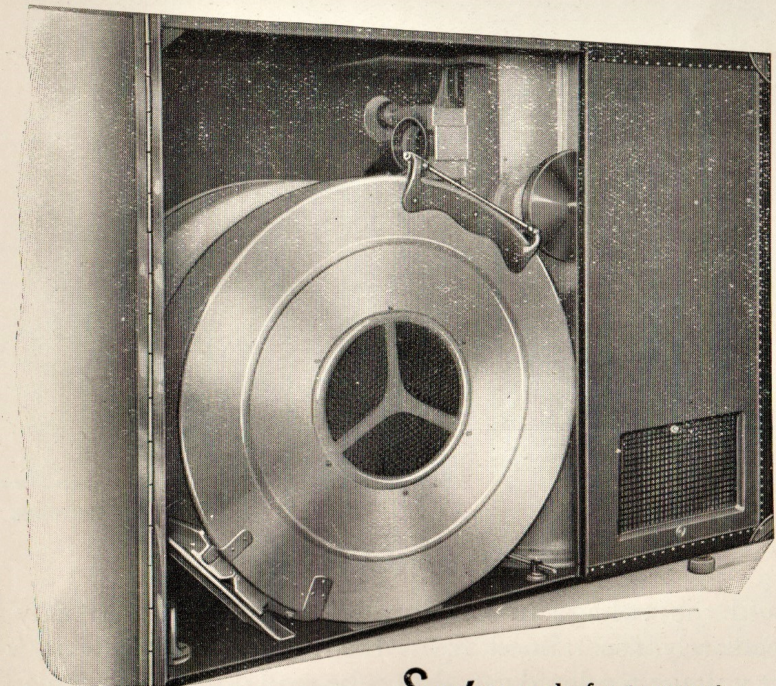
GENERAL

Large Safety Spool Boxes and Spools.

For the purpose of limiting interruptions, exceptionally large spools and boxes are supplied of 18 inches diameter. This materially simplifies the performance.

Interchangeable Safety Spool Boxes.

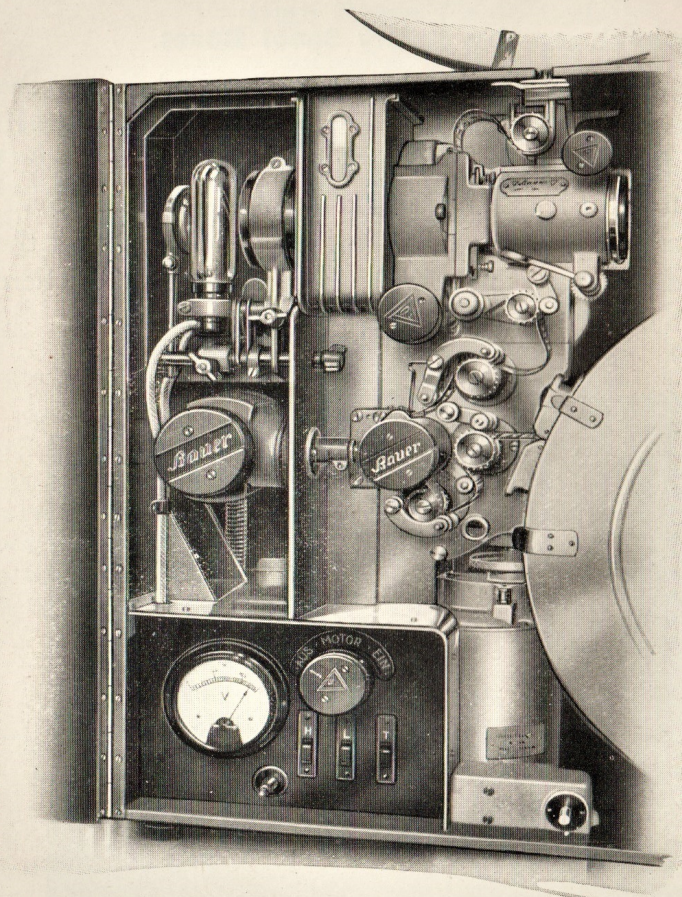
During transport both spool boxes are carried inside the portable. For projection purposes, one spool box is mounted on the top of the portable. They are light, can be removed with one turn of the hand and are interchangeable. Moreover, where regulations prohibit the filling of spool boxes in the place of performance, this can be accomplished elsewhere and the machine threaded from the closed spool box.



Sonolux ready for transport.

Built-in Transformer for all kinds of alternating current voltage.

This transformer provides suitable current for the projector lamp, starting motor, amplifier and loudspeaker. The portable and amplifier outfit can therefore be worked from any normal A.C. voltage of 115—240 Volts without employing any other equipment.



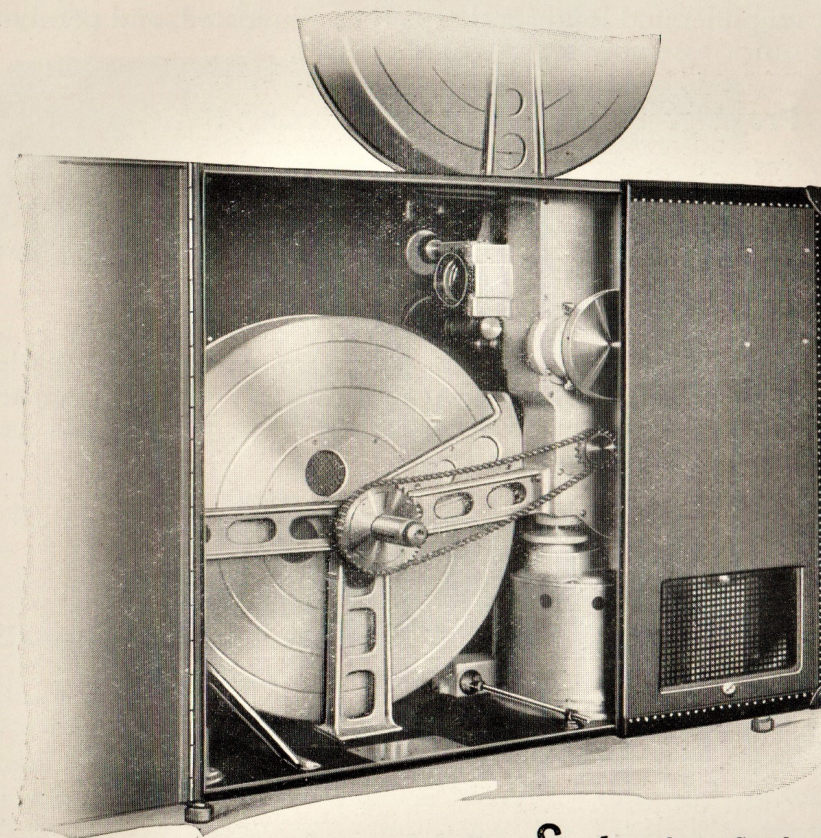
Sonolux
operating side.

Built-in Voltmeter.

Should the voltage in any locality be unknown, it may be immediately ascertained from the built-in voltmeter. The exact voltage rendered can always be read during performance.

Distributor Board with Switch for all kinds of A.C. voltage.

After the correct voltage has been ascertained by means of the voltmeter, the distributor board is then correspondingly plugged, obviating the possibility of wrong circuits, since only those holes are free which are necessary for the voltage required—electrical defects are consequently eliminated.



Sonolux take-up Spool.

Chain driven Take-up Spool

In place of the usual belt, the take-up spool on the "Sonolux" outfit is driven by means of a chain, ensuring positive and trouble-free working.

Connection for Amplifier and Loud Speaker.

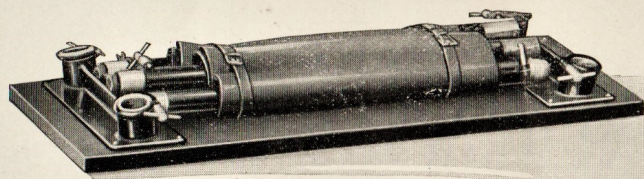
A further plug is equipped to the box below the switchboard for connecting the Amplifier and Loud Speaker. The transformer gives an output of 220 Volts through this plug. It is therefore necessary that the Amplifier and Loud Speaker should be adaptable for 220 Volts A.C. only. A single contact from the switchboard is of special advantage in obtaining the necessary current required for the whole outfit, i.e. projector, amplifier and loud speaker. Special wiring for the amplifier and loud speaker is thus eliminated, and permits the quick assembly for use of the outfit.

Projector Free from Heat Producing Resistances.

No resistances are built in the projector and consequently disadvantages which could be caused by overheating are eliminated.

Size of Picture.

By using a low voltage lamp of very high candlepower, a well defined picture measuring 4 meters in width (12 ft.) is obtained at a throw of 20 Meters (60 ft.). It is therefore possible to also use the equipment in large halls and be assured of perfect projection.



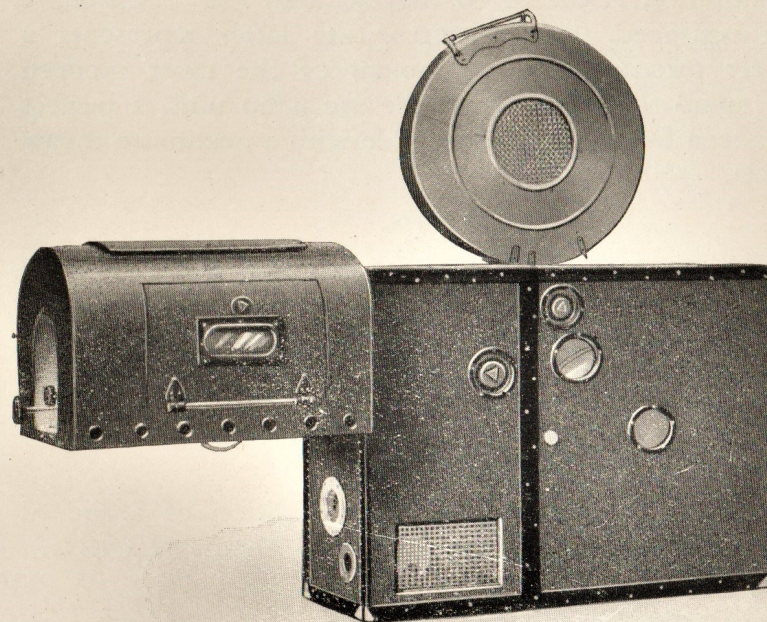
Sonolux special Table
folded for transport.

Special Attachments

Pedestal.

If desired, a special pedestal can be supplied with the "Sonolux" Outfit, which is collapsible and has been built as light as possible without sacrificing stability. The pedestal is easily transported and permits rapid assembly. A canvas

slung between the legs of the pedestal serves to brace the same and also provides a vibrationless support for the amplifying unit.



Sonolux mounted with Lamphouse for Mirror Arc or
Incandescent Lamp.

External Lamphouse with Mirror Arc Lamp for use where fire regulations permit.

An additional feature of utility is found in the provision for mounting an external mirror arc lamphouse, which enables a much longer throw than is possible with the ordinary incandescent lamp, in cases where fire regulations permit the use of an arc lamp. The lamphouse has been constructed to accommodate normal arc lamps of a diameter up to 200 mm. and can be attached at any time without difficulty. Normally the outfit is supplied in such cases without the arc projection system, but if desired can be equipped for both systems.

In this particular, the portable is comparable to a normal theatre machine.

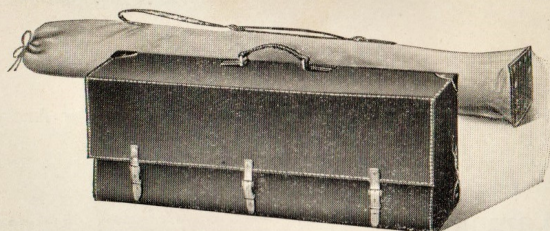
Special attention is drawn to the fact that the "Sonolux" portable equipped with a mirror arc lamp represents a moderately priced sound equipment of the most modern type for small theatres. With the arc lamp unit, a perfect picture fifteen feet wide is obtainable with a maximum throw of 95 feet.

Covers.

A practical cover is supplied for the box to protect it during transport. Covers are also supplied for the pedestal and screen. For the former the cover has been constructed so that the table and screen can be packed in one case for transport.

Folding Screen.

The equipment is completed by the addition of a special sound film folding screen measuring 3 x 4 Meters (9 x 12 ft.).



Sonolux Pedestal and Screen in transport cover, screen frame in bag.

Amplifier.

Any amplifier functioning on 220 Volt A.C. may be used for the "Sonolux" portable outfit.

Special price quotations are necessary if the outfit is to be supplied complete with all electrical parts such as amplifiers and loud speakers.

BRANCHES THROUGHOUT THE WORLD.

BERLIN	BOMBAY	MARSEILLES
BRESLAU	BRUSSELS	MONTEVIDEO
DUSSELDORF	BUENOS AYRES	OSLO
FRANKFORT (MAIN)	HELSINGFORS	PARIS
HAGEN	HONG KONG	PRAGUE
HAMBURG	INNSBRUCK	RIGA
HANOVER	CONSTANTINOPLE	SAN JOSE
COBLENZ	KAUNAS	SHANGHAI
LEIPZIG	COPENHAGEN	SOERABAYA
MUNICH	LAUSANNE	SOFIA
NUREMBERG	LISBON	STOCKHOLM
SAARBRUCKEN	LONDON	STRASBOURG
AMSTERDAM	LYONS	TEMESVAR
BARCELONA	MADRID	WARSAW
BELGRADE	MILAN	VIENNA
BILBAO	MALMO	ZURICH