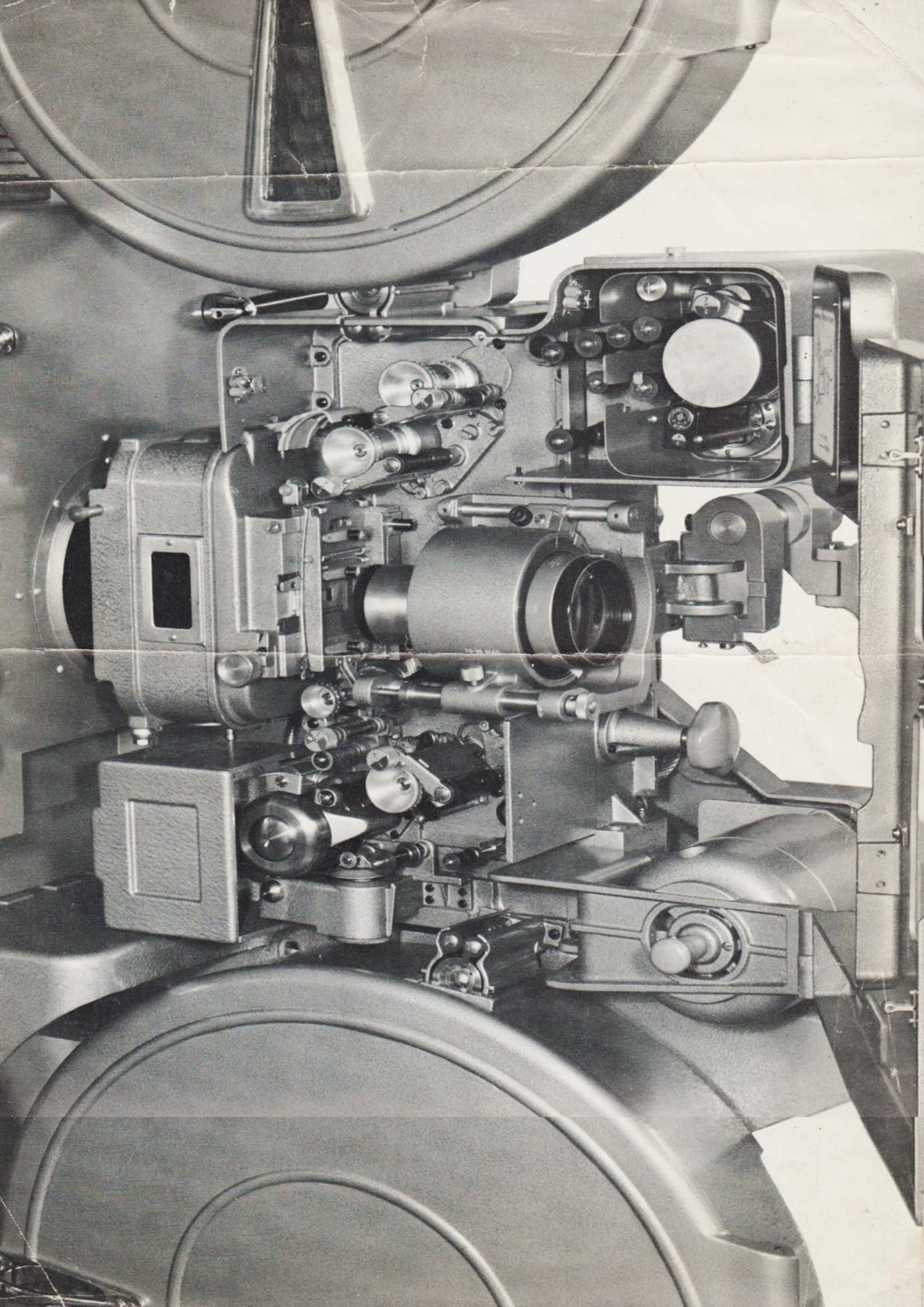
RANK KALEE

A DIVISION OF THE RANK ORGANISATION

WOODGER ROAD, LONDON, W.12, ENGLAND

Branches and Agents throughout the World

Catalogue No. Equip. 6/6.



the biggest show on earth

The NEW 70/35 mm. RANK KALEE projector is the top design for any of the motion picture systems operating in the world to-day.

for any of the motion picture systems operating in the world to-day.
It's the new design that will solve tomorrow's problems and has already been installed in some of the latest 'showplace' cinemas.

Completely versatile, instantly interchangeable from 35 mm. to 70 mm., it incorporates a whole series of revolutionary new features.

BUCKLE FREE FILM GATE

Scientific profile design entirely prevents film from buckling in the gate.

IDEALLY POSITIONED SHUTTER

Maximum flickerless light transmission is obtained with a high efficiency conical shutter operating in an ideal position immediately behind the aperture plate.

UNIQUE COOLING SYSTEM

Complete safeguard for the film. Watercooling with two circulating paths, plus a textile filtered turbo fan, powered by an independent motor, keeps the film gate and mechanism at a low operating temperature.

AUTOMATIC LUBRICATION

Gear driven high-pressure oil pump with mechanical *and* magnetic filters automatically distributes oil to all bearings and gears.

MINIMUM FLUTTER OPTICAL SOUNDHEAD

The optical soundhead, fitted with dashpot damper to ensure minimum flutter, is embodied in the die-cast silumin chassis.

QUICK CHANGE MAGNETIC SOUNDHEAD

Pre-aligned magnetic cluster simplifies changing from six track to four track reproduction.

SIMPLE 35 to 70 mm. INTERCHANGE

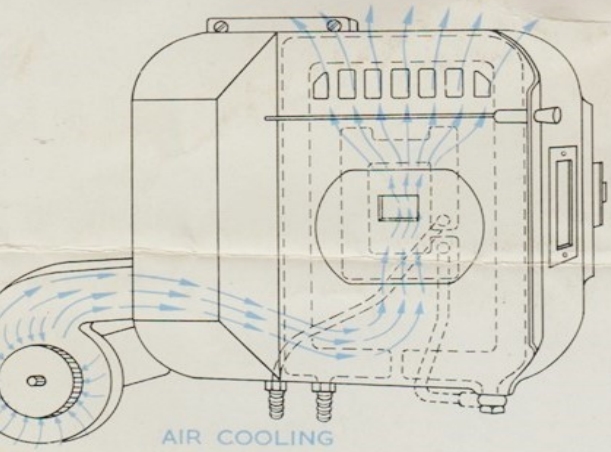
Coloured coded dual purpose sprockets and quick change film gates and pressure pad assemblies ensure quick interchange.

OPTIONAL REMOTE CONTROL

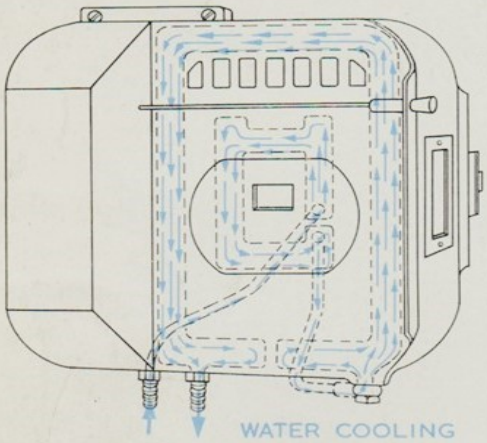
Motor units for control of racking and focusing from the auditorium or any desired position are available.

ALSO NEW 35 mm. MODEL

The 35 mm. Projector has been designed so that it can easily and quickly be converted to 70/35 mm. projection and embodies all the top features essential for big film projection. It represents for the exhibitor a real investment for the future, whilst providing the finest film presentation to-day.



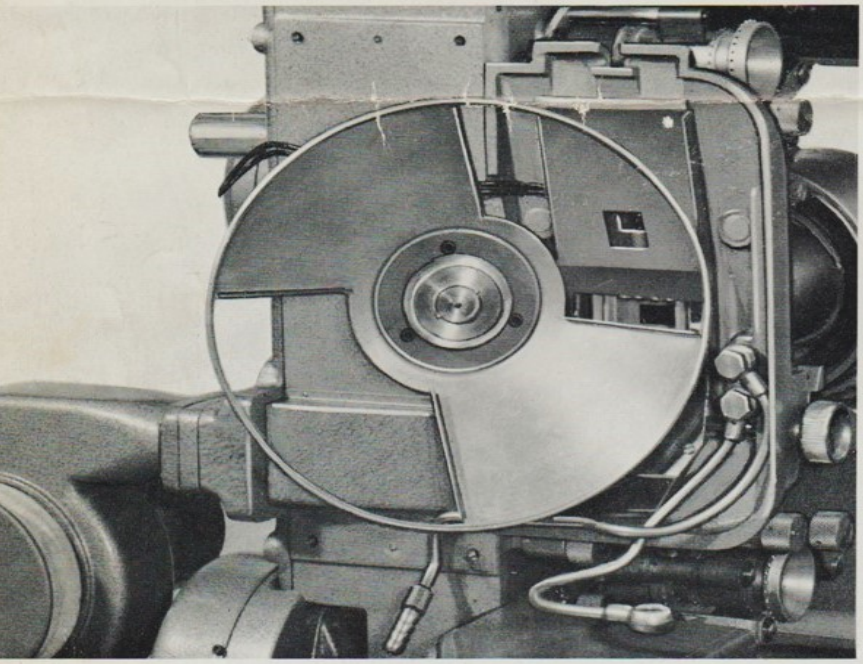
AIR COOLING



WATER COOLING

COOLING SYSTEMS

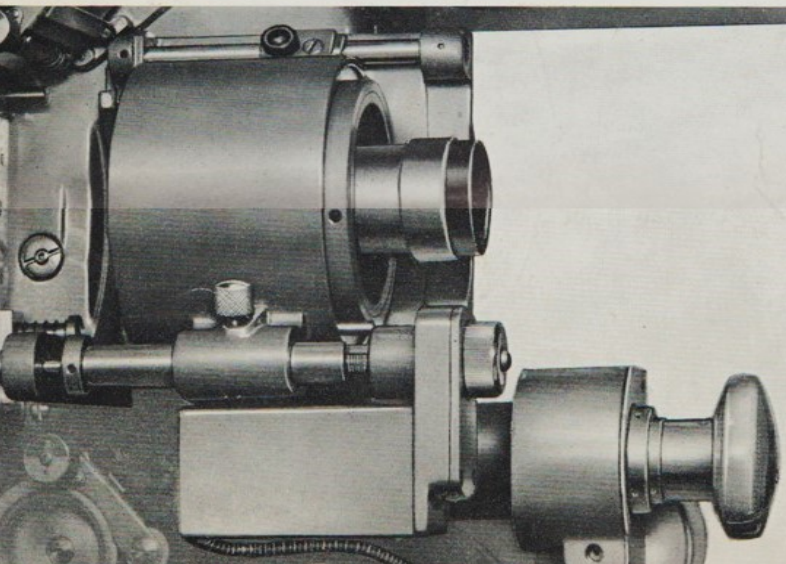
The film gate is kept at an exceptionally low operating temperature by a highly efficient and unique system of air and water cooling. In addition to the air flow created by the specially designed cone shutter, a powerful turbo fan fitted with a textile filter and driven by an independent motor is supplied. The air inlet duct is designed to direct a thin stream of air at extremely high speed across the gate, without creating pressure on the film and affecting the focus. Incorporated in the gate is also a water cooling system with two circulating paths, which can be connected either direct to the main water supply, or to a Rank Kalee water re-circulator. Water is circulated around the entire gate bracket assembly and the shutter housing (see diagram).



CONICAL SHUTTER

The high efficiency conical shutter operates immediately behind the aperture plate, an ideal position, and gives maximum light transmission without flicker.

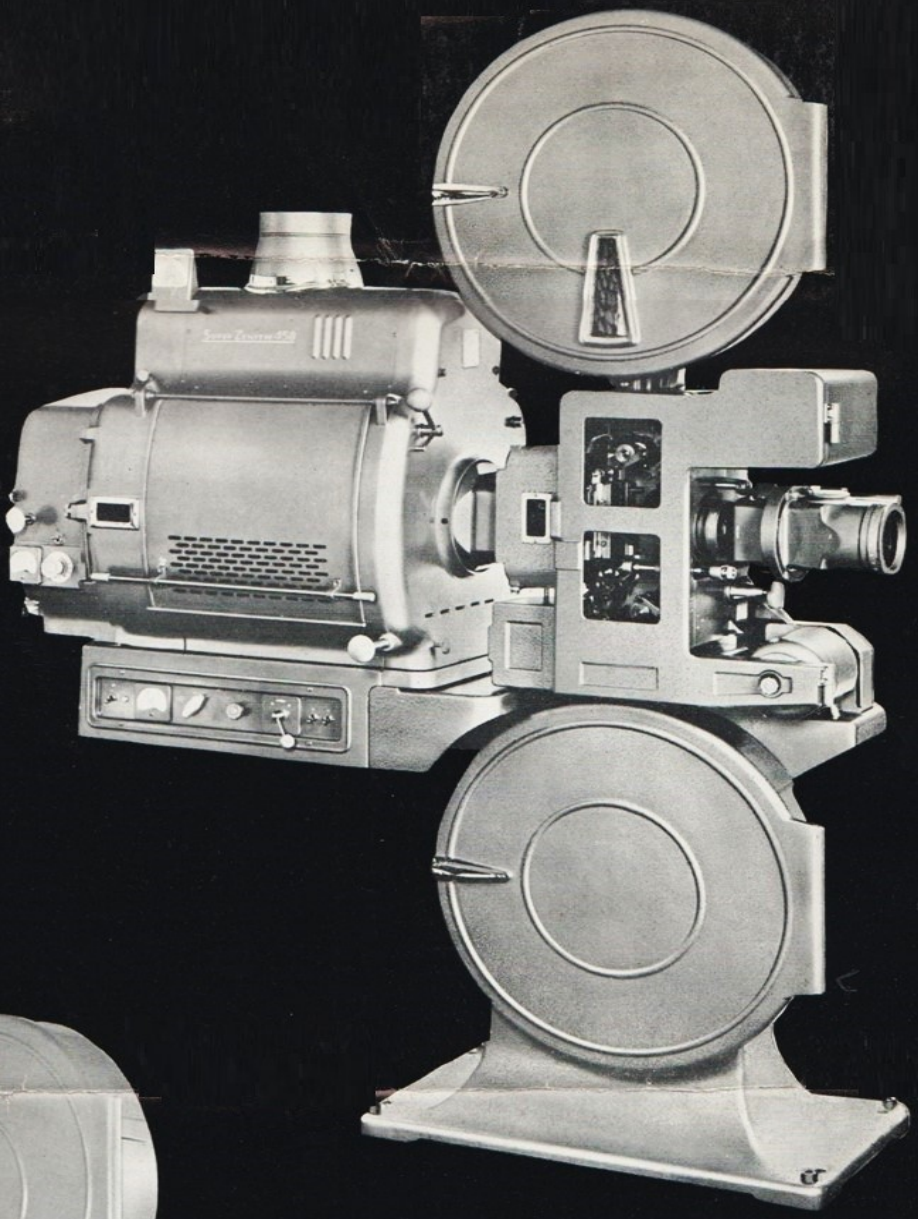
The edges of the two blades form integral air scoops which create a fast moving volume of cool air between the film gate and arc lamp. The shutter housing is linked in series with the gate in the water cooling system. It is fitted with baffle plates to dissipate heat created by modern high amperage arc lamps.



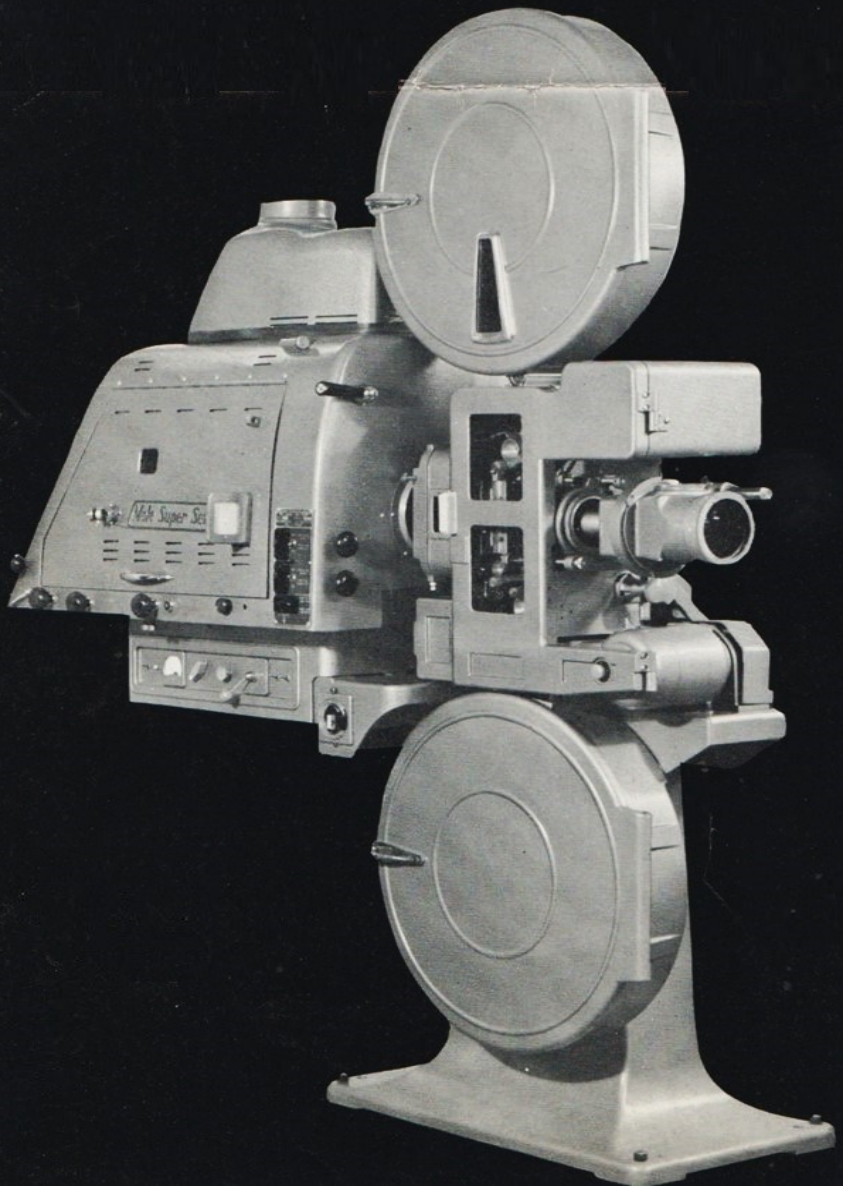
REMOTE CONTROL MOTOR UNITS

These units will control racking and focusing from the auditorium or any desired position.

Improvements to this equipment are continually being made and the illustrations of the equipment therefore cannot be taken as binding.



70/35 mm. RANK KALEE PROJECTOR
fitted with a Super Zenith 450 arc lamp.



70/35 mm. RANK KALEE PROJECTOR
fitted with a Mole Richardson, Rank Kalee Super 70 arc lamp.

70-35 mm. PROJECTOR

The Rank Kalee multi-purpose 70/35 mm. projector has been specially designed and constructed to meet the higher stresses imposed by the heavier and less pliable 70 mm. film. Some of the heavy-duty features incorporated are:—large diameter driving sprockets to allow low shaft speeds and lightweight hardened alloy intermittent sprockets to overcome inertia and obtain high speed acceleration.

Equipment can be supplied with Super Zenith 450 Arc lamp, Mole Richardson Rank Kalee Super 70 Arc lamp or Rank Kalee Xenon lamps. The first two types are illustrated on the left.

INTERCHANGE FROM 35 mm. TO 70 mm. PROJECTION

Changing from one system to the other is extremely simple and takes only a few minutes. Separate 70 mm. and 35 mm. film gates and pressure pad assemblies are quickly and accurately inserted and locked in the operating position.

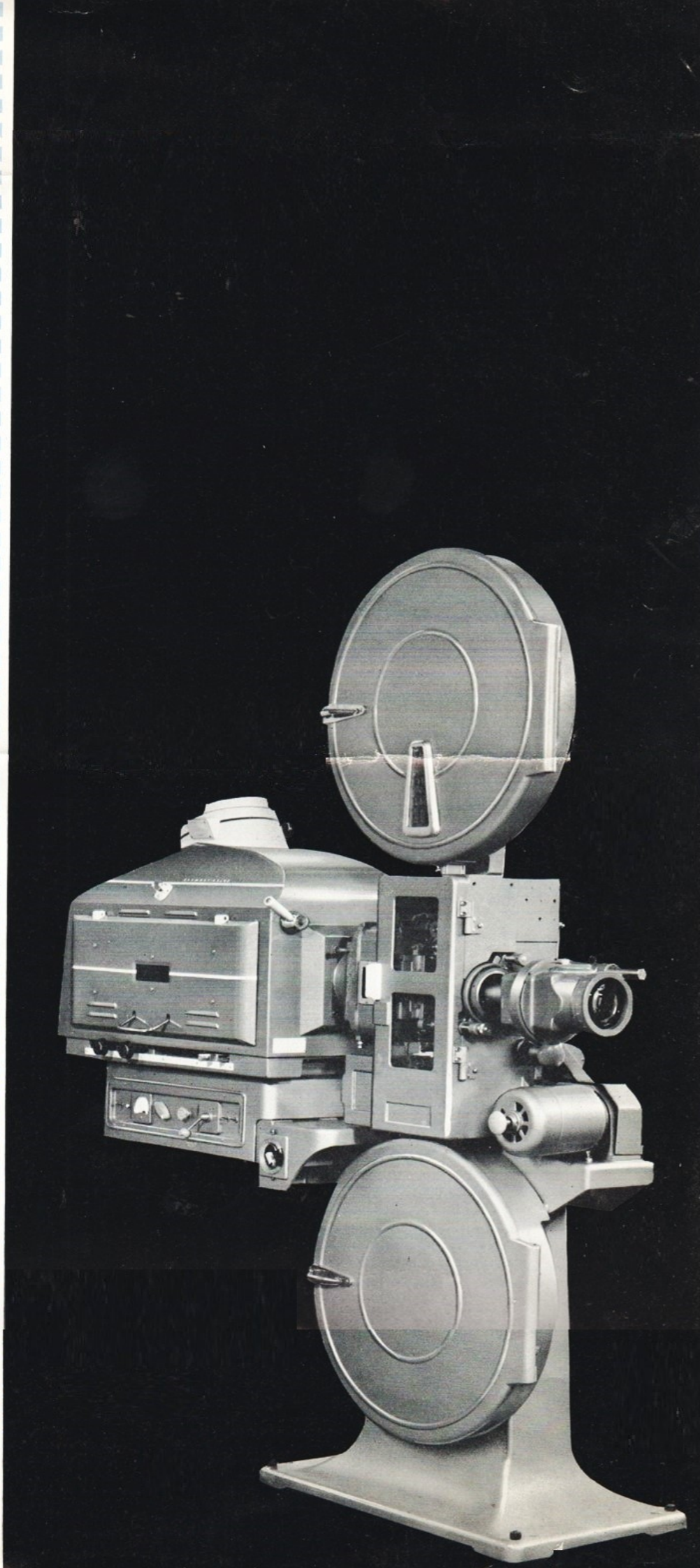
Sprockets are designed for dual purpose operation. The eccentrically mounted 70 mm./35 mm. sprocket rollers, colour coded for visual identification, are simply turned 90° and locked for the immediate projection requirement. There are no sprockets, rollers or fixing screws to go astray.

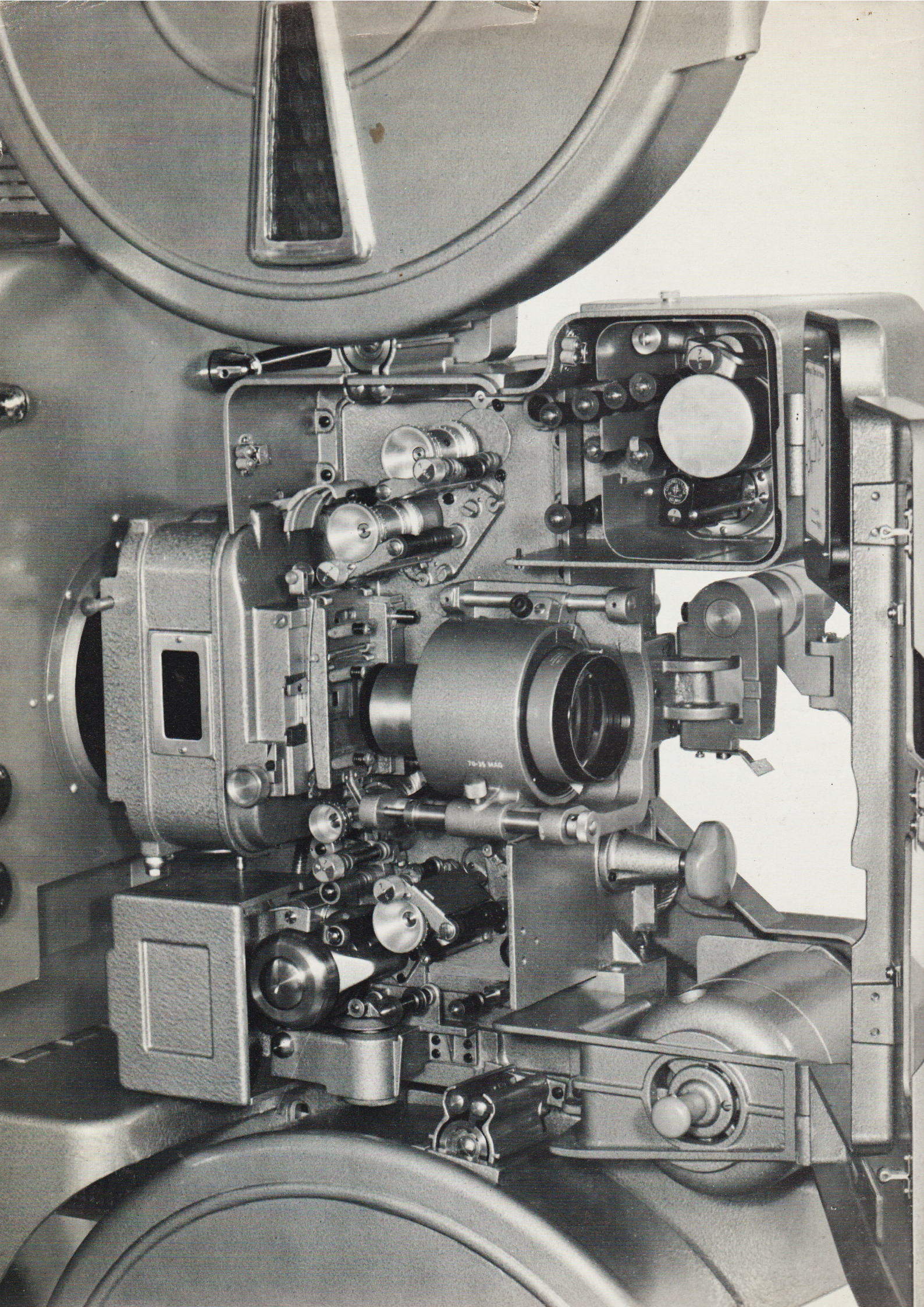
35 mm. PROJECTOR

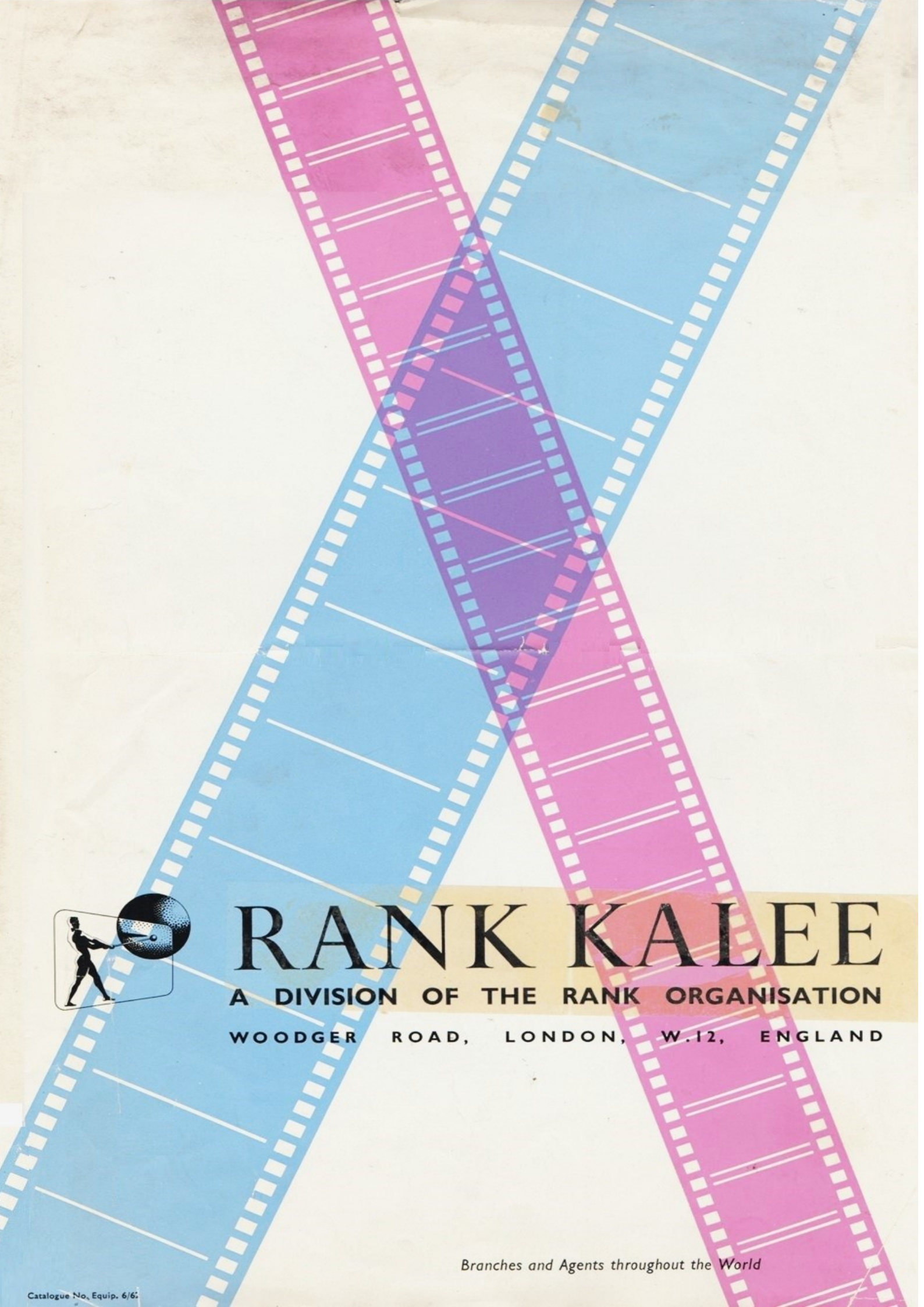
The 35 mm. projector is made with the same high standards as the Multi-Purpose 35 mm./70 mm. and incorporates its many revolutionary features. The mechanism is fitted with a high efficiency cone shutter, air cooling turbo-fan motor and water cooling film gate. It is supplied complete with optical soundhead, 6,000 ft. (1,800 metres) spool boxes and 35 mm. spools. The heavy adjustable pedestal stand is fitted with a cantilever arc lamp beam with a switch control panel.

A selection of high performance arc lamps is available to suit individual requirements. The illustration (on the right) shows a 35 mm. projector fitted with a ' President ' lamp.

Conversion to multi-purpose 70 mm./35 mm. projection is extremely simple and can be done on the site. A kit of conversion parts and 4/6 track magnetic soundhead can be supplied at any time.







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