

PATHE EQUIPMENT LTD

PATHE EQUIPMENT LTD

This catalogue of equipment has been produced to illustrate the range of products available through **Pathe Equipment Ltd.** It has been compiled in this form to enable ease of reference and the addition of new products as they are developed. Sizes and dimensions of products are included in the specifications together with technical information. Advice on technical matters, seating plans and all forms of installation are readily available from our experts on request.

PATHE EQUIPMENT LTD

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DAWSONS SEATING



Dawsons have been concerned with the manufacture of auditorium and continuous seating for over half a century and are recognised as leaders in this field. Recent additions to the extensive range of Dawson's seating are the Olympic and Varsity series of lecture theatre chairs. Exclusive distribution of Dawson's seating throughout the United Kingdom is handled by Pathe Equipment Limited.

BURLINGTON

SPECIFICATION

SEAT | BOTTOM

19" back to front, selected $2\frac{1}{2}" \times 1\frac{1}{4}"$ hardwood frame, with glued and double dowelled joints, fitted welled 12 gauge coiled steel 16 spring unit with firm edged mattress mesh top, overcovered hessian and sewn under-felt for protection. Upholstered $1\frac{1}{2}"$ cellular foam rubber sheet securely tacked to main frame, top stuffed white wadding, and finally covered in material selected. Underside finished recessed and polished 6 m.m. ply fitted with star-head screws. Rear edge of frame fitted external counterweight for automatic tipping.

BACK

Hardwood frame as seat, 23" deep fitted 15 gauge coiled steel 16 spring unit with wired mesh top overcovered hessian and sewn underfelt for protection. Upholstered 1" cellular foam rubber sheet securely tacked to main frame, top stuffed white wadding and finally covered in material selected. Outside finished recessed and polished 4 m.m. plywood, fitted with star head screws.

LEGS

$2" \times \frac{3}{4}"$ bright steel with $\frac{1}{4}"$ steel plate for floor fixing, properly drilled and countersunk, $\frac{1}{8}" \times \frac{1}{4}"$ steel struts for back support and arm plate complete with $\frac{1}{16}"$ steel pins all skilfully welded, finished enamel to colour chosen complete with coned swivelling pins and recessed spring loaded sockets for silent action and simple removal. End panels in a variety of attractive finishes.

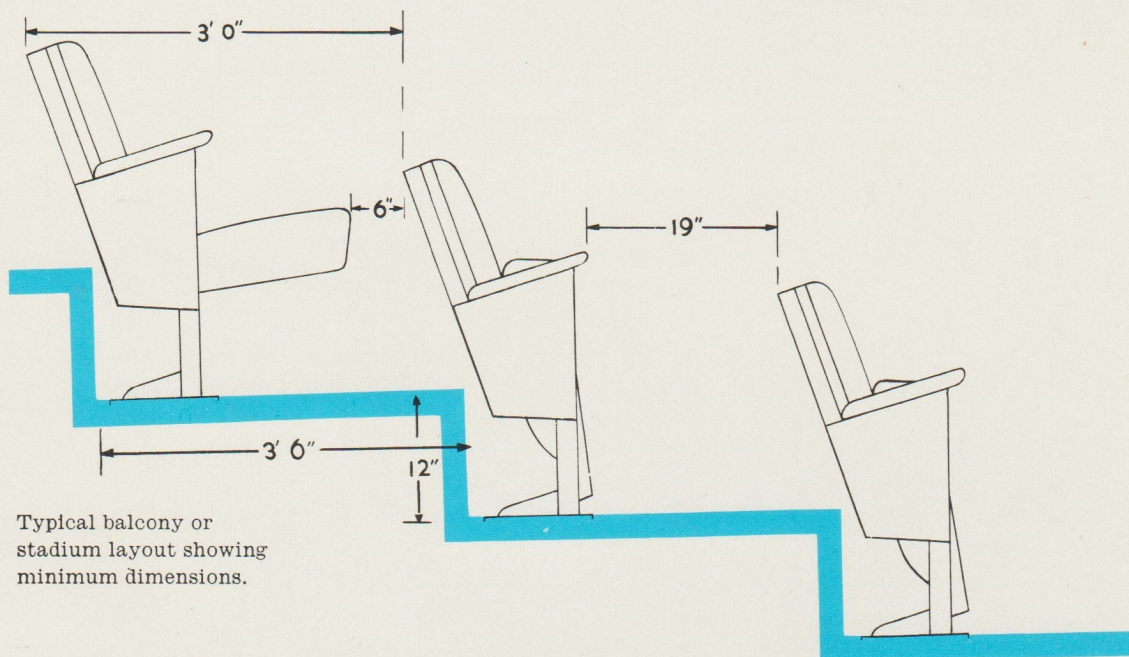
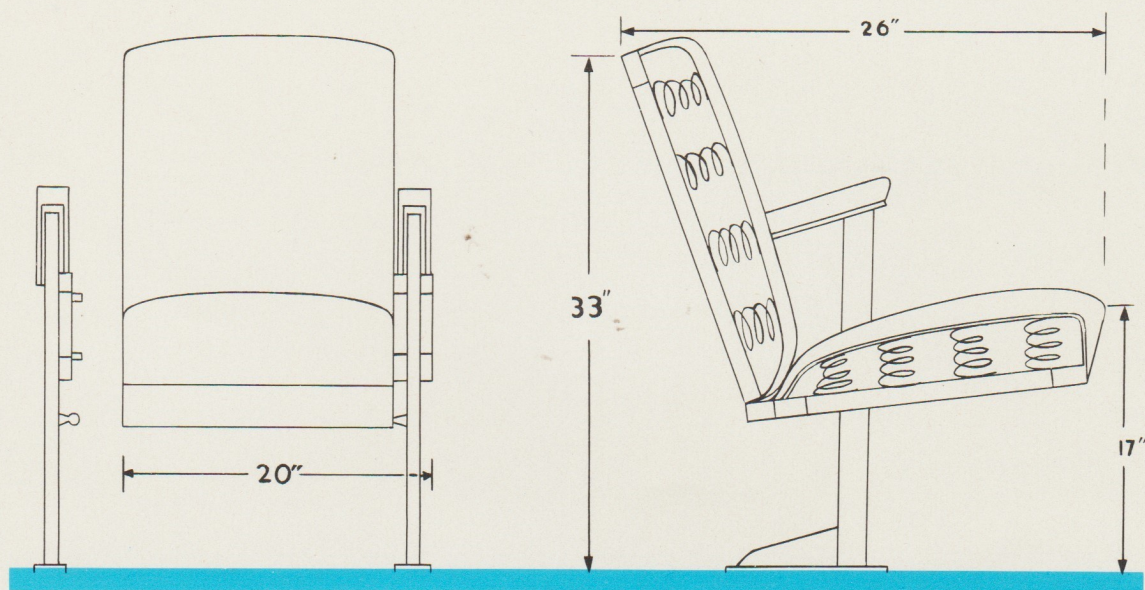
ARMS

$15" \times 2\frac{1}{4}"$ hardwood base upholstered 1" foam rubber, overcovered material selected, underpart suitably trimmed.

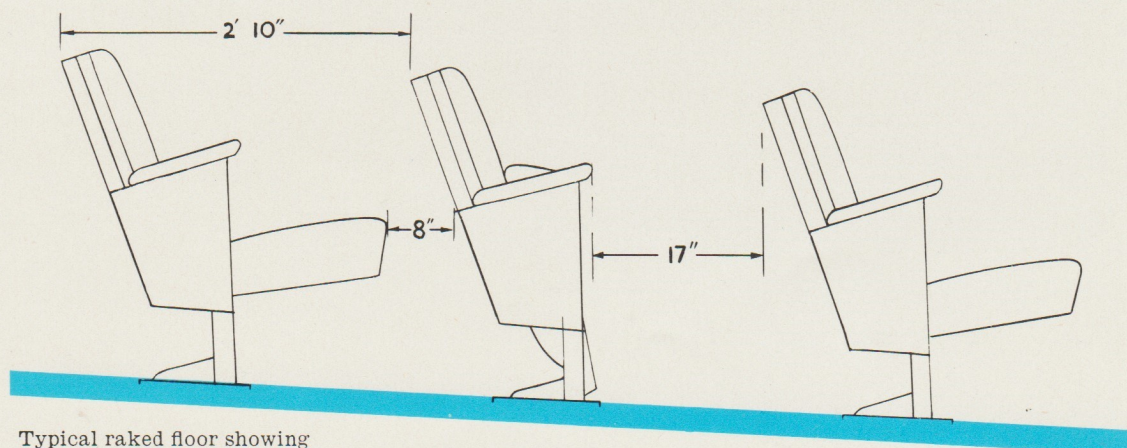
COVERINGS

To choice including contract quality moquettes, velvets, P.V.C. fabrics, etc.





Typical balcony or stadium layout showing minimum dimensions.



Typical raked floor showing a slope of 1 in 12.

REGENT

SPECIFICATION

SEAT BOTTOM

19½" deep, back to front, selected hardwood frame with glued and double dowelled joints upholstered specially moulded and countoured foam rubber interior mounted on tension springs finally covered in material selected. Underside finished recessed and screwed 3 m.m. plywood or other approved material, polished or coloured to individual requirement. Counterweighted for automatic tipping.

BACK

22" deep, selected hardwood frame with glued and double dowelled joints. Upholstered with deep moulded and contoured foam rubber interior, mounted on vertical tension springs, finally covered in material selected. Outside finished recessed and screwed 3 m.m. plywood, polished or coloured to individual requirements.

LEGS

1½" x ½" solid steel with heavy gauge floor fixing plate drilled and fitted whitworth thread for coned pin, complete with sockets and centring springs. Finished enamel, colour to choice.

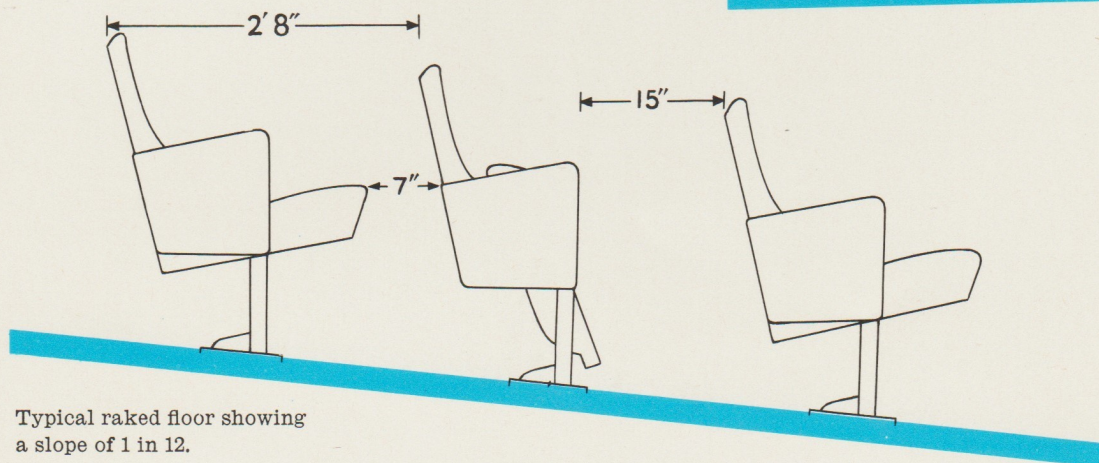
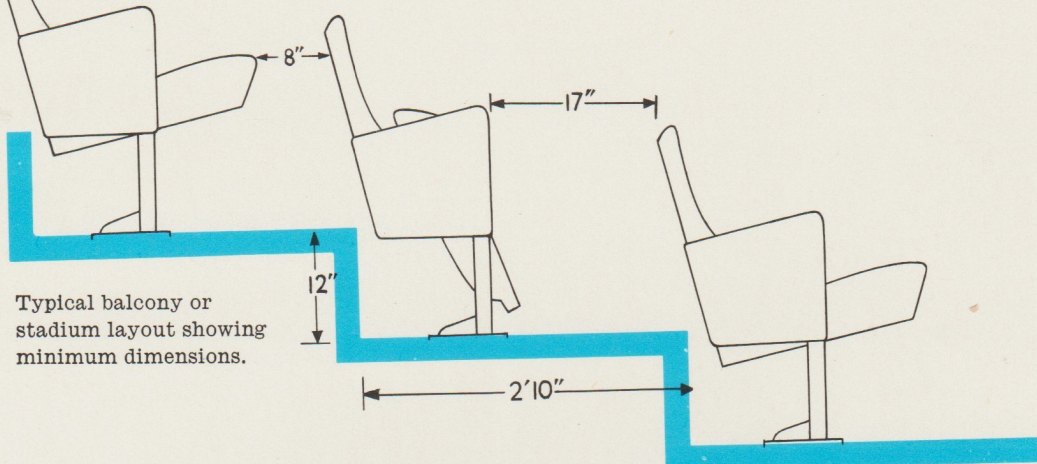
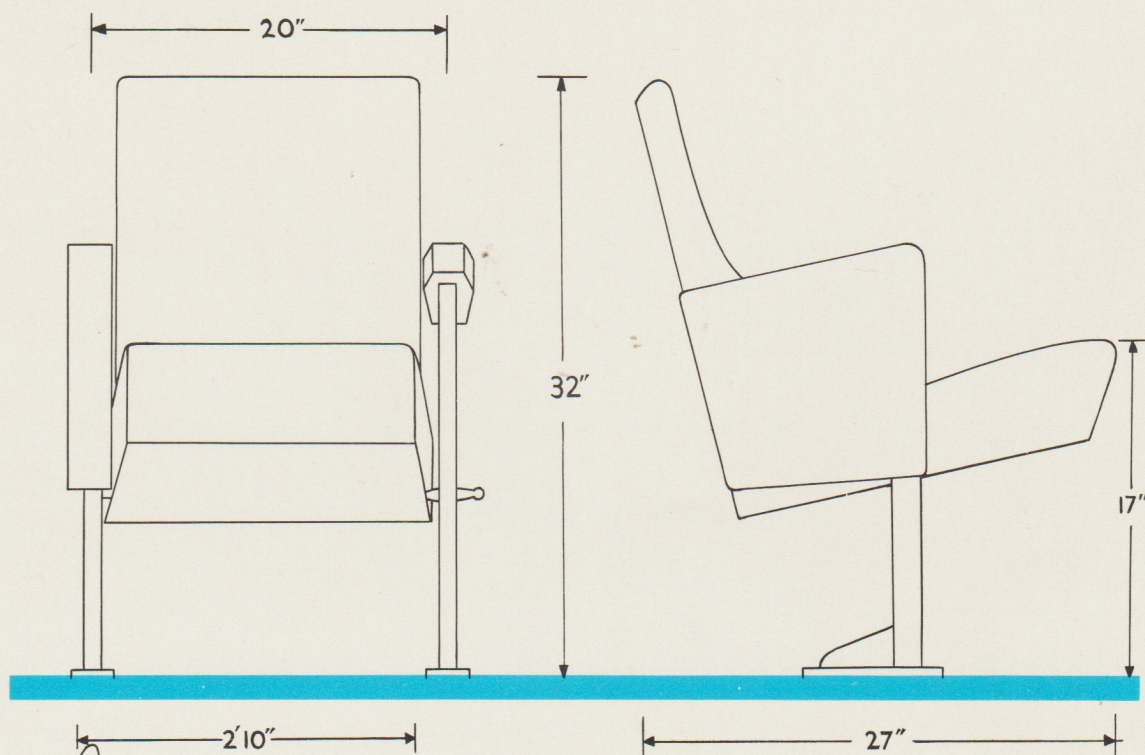
ARMS

Up to 10" in length and 2" in width, 1" foam rubber interior on shaped hardwood base, covered in material selected. Upper part suitably trimmed. Alternatively in a variety of shaped and polished hardwood designs.

COVERINGS

To choice including contract quality moquettes, velvets, P.V.C. fabrics, etc.





COLUMBIA

SPECIFICATION

SEAT BOTTOM

19½" deep, back to front, selected hardwood frame with glued and double dowelled joints, upholstered specially moulded and contoured foam rubber interior mounted on tension springs, finally covered in material selected. Underside finished recessed and screwed 3 m.m. plywood or other approved material, polished or coloured to individual requirement. Counterweighting for automatic tip-up available as an optional extra.

BACK

22" deep, selected hardwood frame with glued and double dowelled joints. Upholstered with deep moulded and contoured foam rubber interior, mounted on vertical tension springs, finally covered in material selected. Outside finished recessed and screwed 3 m.m. plywood, polished or coloured to individual requirements.

LEGS

Unbreakable heavy gauge steel tube ½" in diameter with strongly welded fixing plates and back brackets, and finished in a wide range of polychromatic durable enamels. Fine cast swivelling brackets finished in washable high gloss vitreous enamel, all designed to be free of crevices and dust traps. Simple fool-proof tipping action to ensure complete silence and trouble free service.

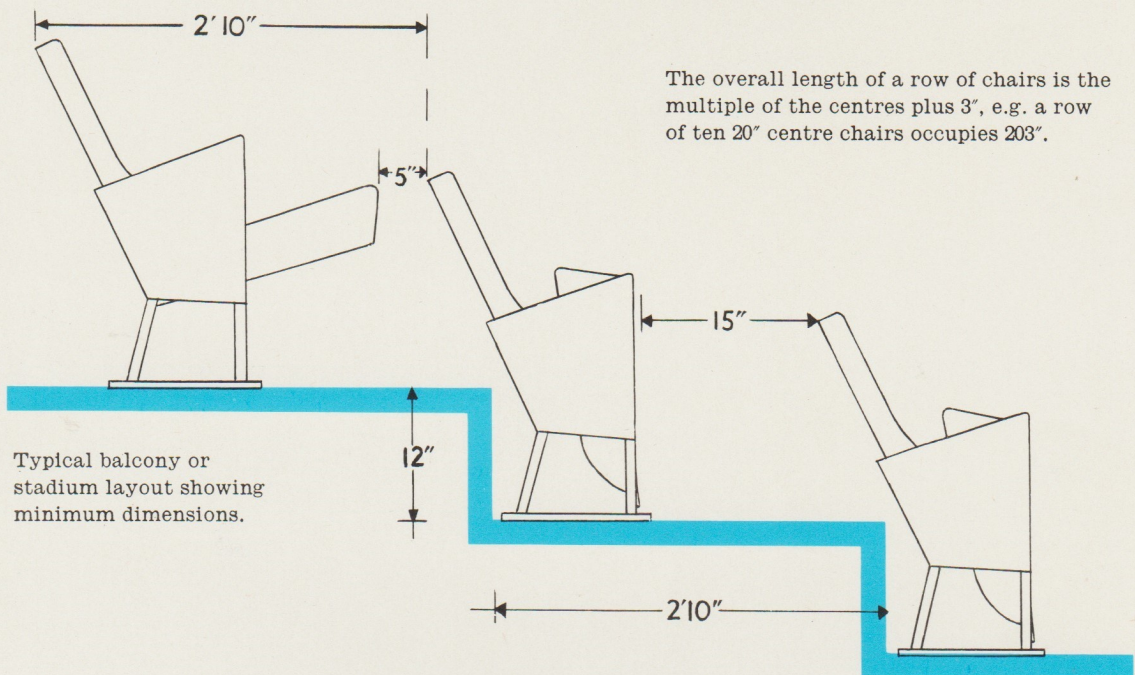
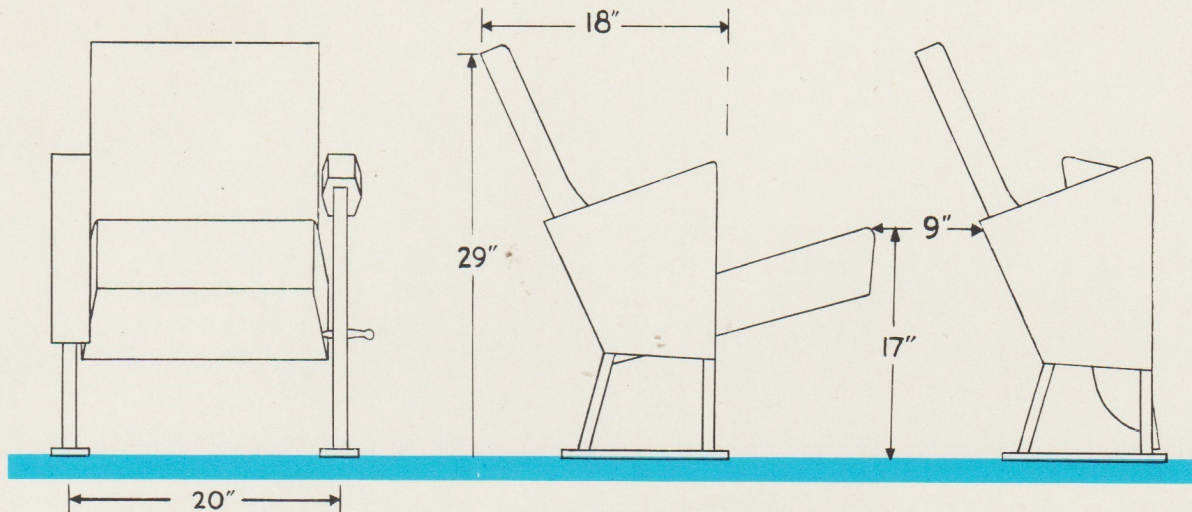
ARMS

Up to 12" in length and 2" in width, 1" foam rubber interior on shaped hardwood base, covered in material selected. Underpart suitably trimmed. Alternatively in a variety of shaped and polished hardwood designs.

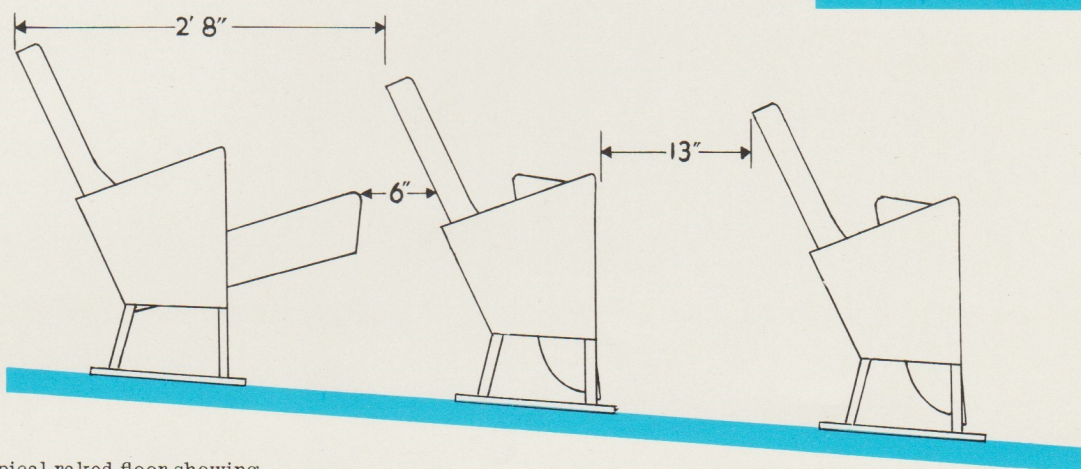
COVERINGS

To choice including heavy duty moquettes, velvets, P.V.C. fabrics, etc.





Typical balcony or stadium layout showing minimum dimensions.



Typical raked floor showing a slope of 1 in 12.

COLUMBIA

(PORTABLE)

SPECIFICATION

SEAT

19½" deep, back to front, selected hardwood frame with glued and double dowelled joints, upholstered specially moulded and contoured foam rubber interior mounted on tension springs and finally covered in material selected. Underside finished 3 m.m. plywood or other approved material, polished or coloured to individual requirement. Internal counter-weighting for automatic tip-up, and cast coned sockets recessed into frame.

BACK

22" deep selected hardwood frame with glued and double dowelled joints, upholstered with deep moulded and contoured foam rubber interior mounted on vertical tension springs, finally covered in material selected. Outside finished recessed 3 m.m. plywood, polished, coloured, or over-covered covering material to individual requirement.

LEGS

Unbreakable heavy gauge tube 1" diameter, tapered as illustrated and welded to base plate complete with back fixing plates, suitably drilled to take hardwood spacing batten for portability, and complete with coned pivot pin. Finished nylon coating (extra) or durable enamel to wide range of colours.

ARMS

Up to 12" in length and 2" in width, 1" foam rubber interior on shaped hardwood base, covered material selected. Also available in polished hardwood.

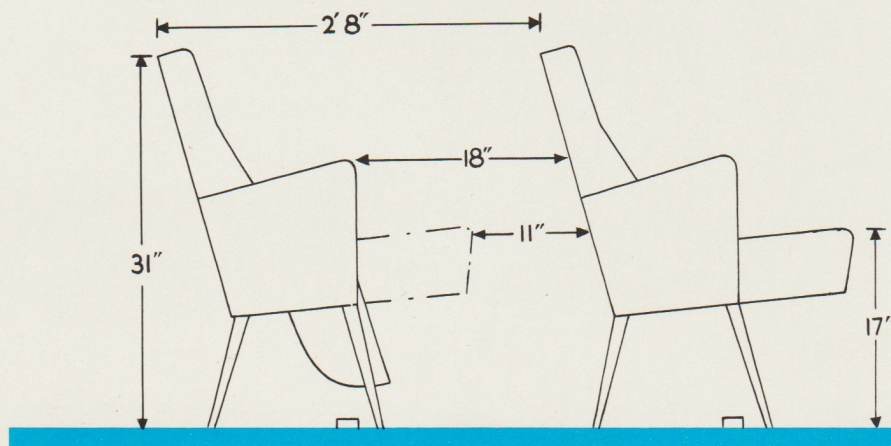
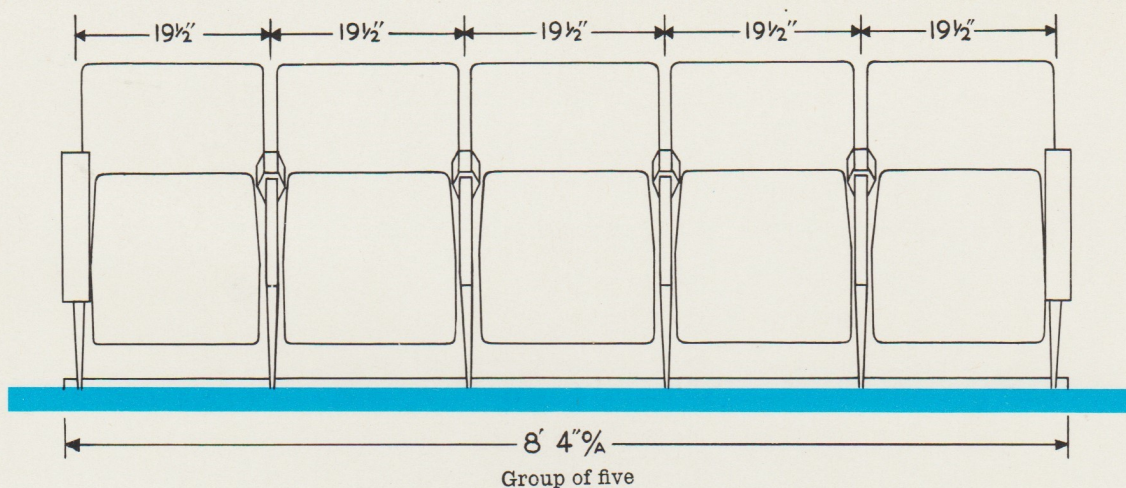
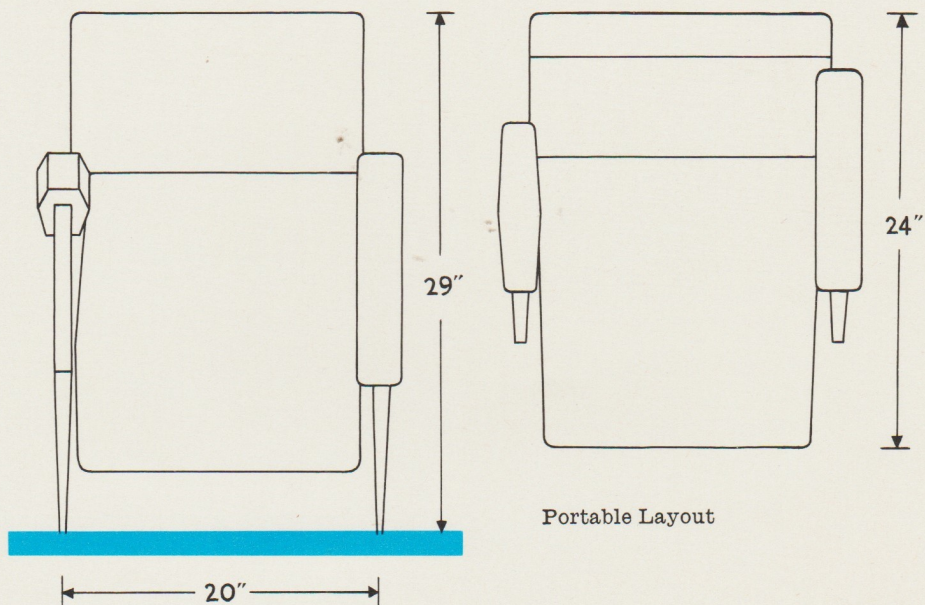
COVERINGS

All chairs are available in a wide range of current top quality recommended covering materials.



Recommended in maximum groups of five to obtain rigidity and ease of portability.

DAWSONS SEATING LTD.



Minimum recommended spacing

DAWSONS SEATING LTD.

VARSITY MkI

SPECIFICATION

SEAT

1" latex foam rubber mounted on 12 m.m. pre-formed plywood fitted for self-tipping. Finished on underside with 3 m.m. polished plywood acoustically drilled.

BACK

12 m.m. pre-formed plywood upholstered with 1" medium density foam rubber. Outside finished 3 m.m. ply. Incorporated fixed or swivelling writing ledge 1½" thick hardwood by 12" back to front.

ARMS

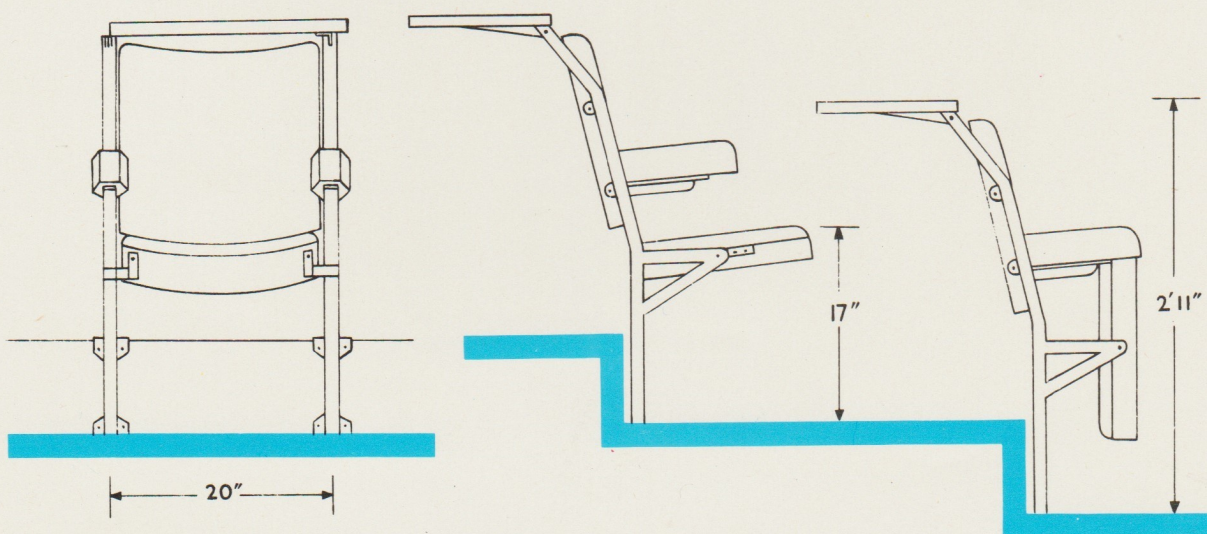
Polished hardwood or latex foam upholstered type.

LEGS

1" square sectional steel tube complete with cam action combining swivelling brackets and stops of registered design. Adaptable for all fixing requirements.

COVERINGS

P.V.C.'s u.f.b. quality, woven man-made fibres, moquettes and tapestries.



DAWSONS SEATING LTD.

VARSITY MkII



SPECIFICATION

SEAT

2" latex foam rubber mounted on flexible rubberised webbing and selected hardwood frame. Finished with rebated 3 m.m. polished plywood.

BACK

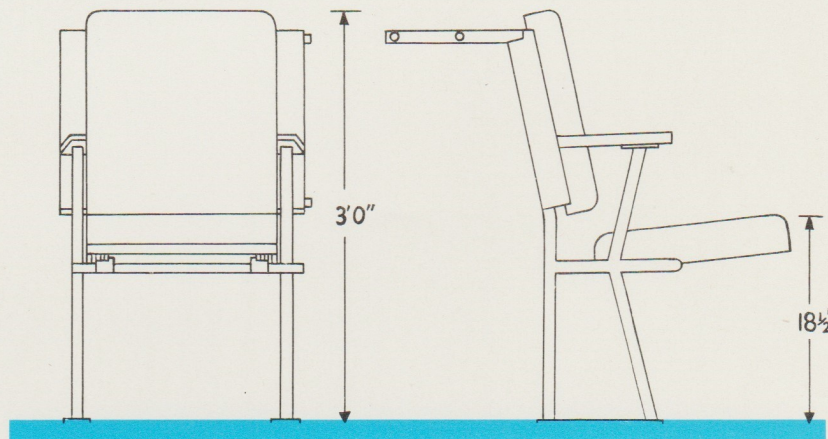
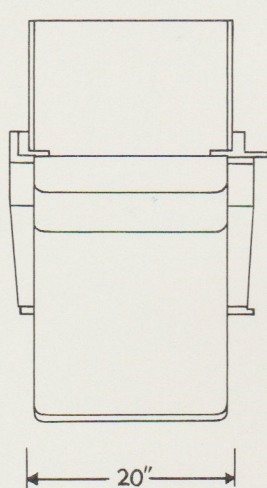
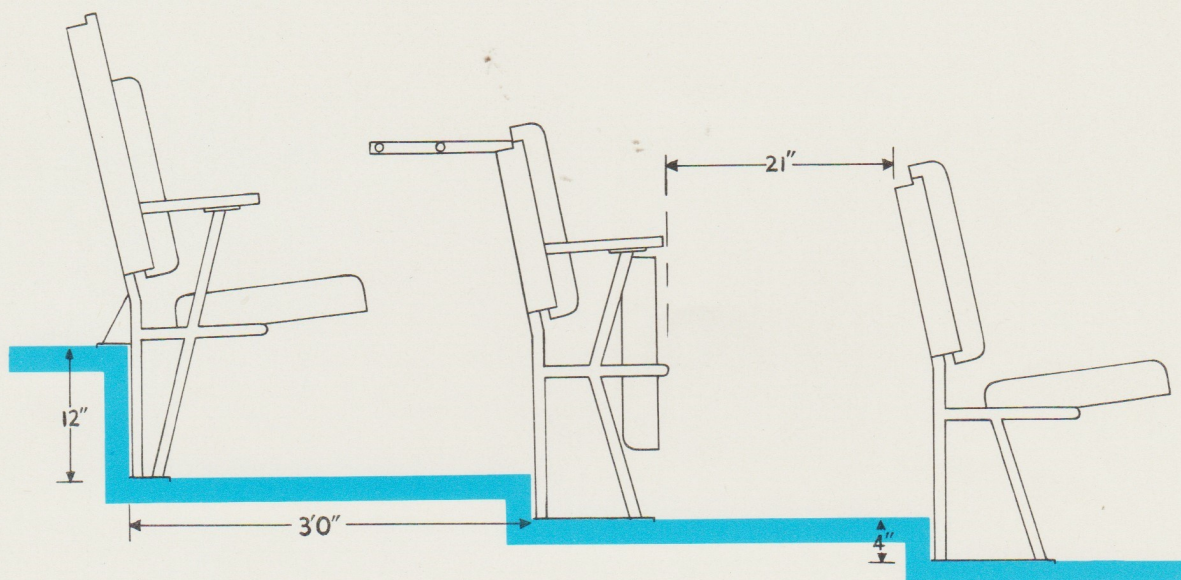
2" latex foam rubber mounted on flexible rubberised webbing and selected hardwood frame, incorporates writing tablet if required. Outside back finished rebated 3 m.m. polished plywood.

ARMS

Polished hardwood or latex foam upholstered type.

LEGS

1" square sectional steel tube complete with cam action combining swivelling brackets and stops of registered design. Adaptable for all fixing requirements.



VARSITY MkIII



SPECIFICATION

SEAT

Specially selected hardwood frame with moulded latex foam rubber, mounted on resilient webbing and upholstered in material selected. Finished with 3 mm. polished plywood.

BACK

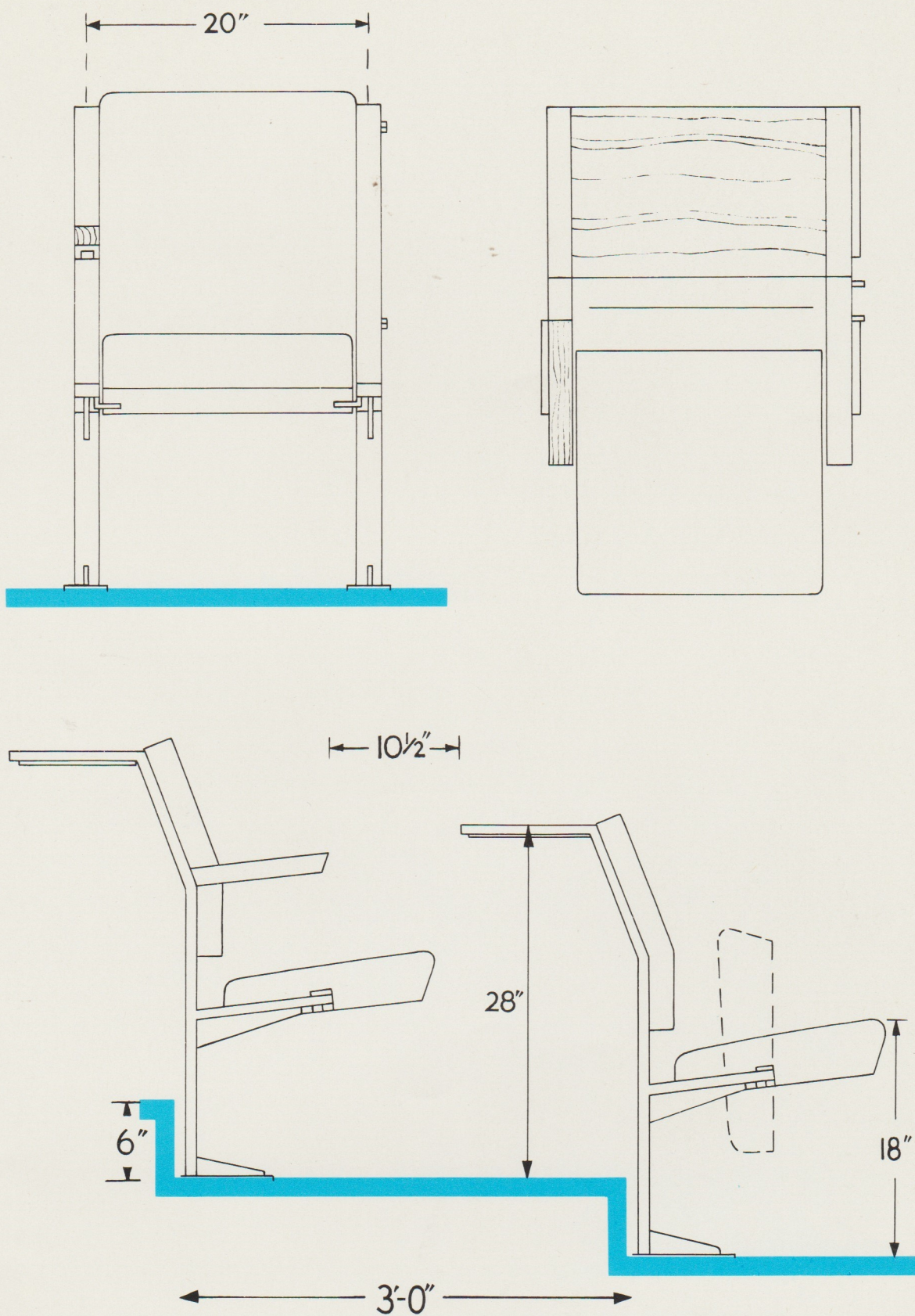
2" latex foam rubber mounted on preformed plywood and upholstered in material selected. Finished with 3 mm. polished plywood.

LEGS

Constructed with $1\frac{1}{2}$ " \times 1" tube with 11" fixed writing ledges and special pivot action for counterweighted seat. Floor fixing plate for four screw fixings. The standards are coated to colour selected.

ARMS

The chair is offered with or without arms. Polished hardwood type to match timber of writing ledge.



OLYMPIC**SPECIFICATION****SEAT**

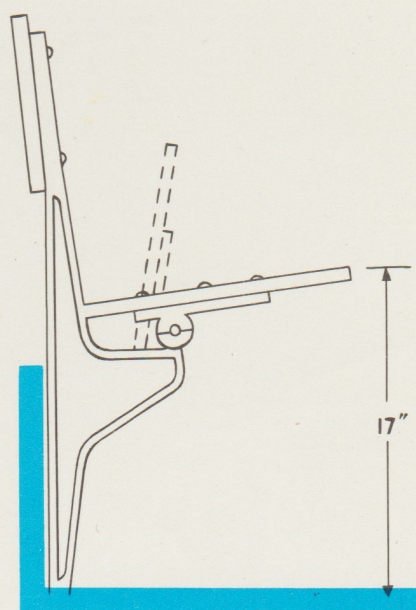
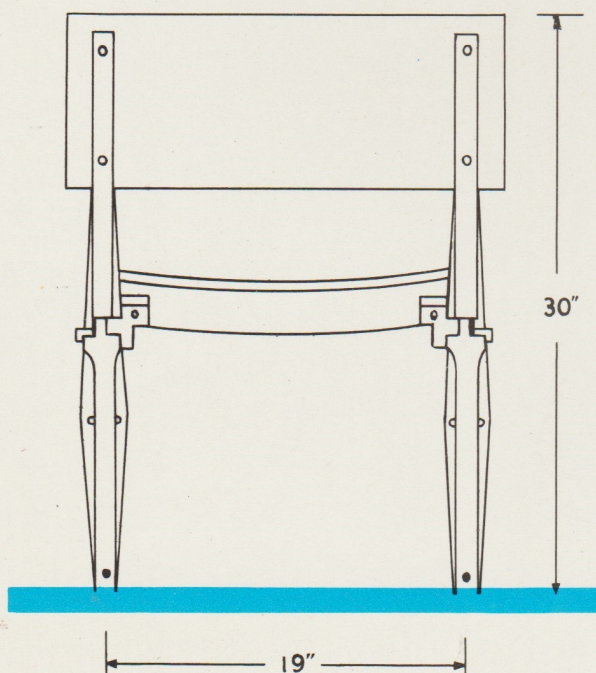
14½" deep. Preformed 12 m.m. teak-faced plywood, fixed into position with 6 brass screws.

BACK

23" long by 9" wide. Solid teak, screw fixed into position.

FRAME

Zinc coated cast iron, with tilt action and riser fixing.

**DAWSONS SEATING LTD.**

STAFFORD FURNITURE LTD.



Pathe Equipment Ltd., sole United Kingdom agents for Stafford Furniture Ltd., have branches throughout the country.

The entire range of this superior furniture has been designed by Jack Stafford, B.Sc.(Eng.), D.I.C. Strong clean lines combined with sound construction principles ensure comfort and durability for many years.

A wide selection of modern materials are used in the manufacture of Stafford Furniture. Full details are available on request.

STAFFORD FURNITURE LTD.

Matches C152 chair, but with
solid teak or mahogany arms
Height: 29"
Depth: 26½"
Width: 25"
Seat Height: 16"

C153



Three-seater settee, 3Croo, to match Croo
chair. Two-seater settee is also available
Height: 28"
Depth: 30"
Width: 72"
Seat Height: 16"

C100

Fully upholstered armchair with
square section under-frame.
4" latex seat cushion rests on
Pirelli webbing, and has zip-on
cover which can be removed for
dry-cleaning
Height: 28"
Depth: 30"
Width: 29"
Seat Height: 16"



STAFFORD FURNITURE LTD.

**C201**

Deep latex foam seat and back, square section frame
 Height: 30"
 Depth: 19"
 Width: 19"
 Seat Height: 18"

**C142**

Matches C143, but with solid teak or mahogany arms
 Height: 30"
 Depth: 19"
 Width: 24"
 Seat Height: 18"

C152

Latex foam cushions are reversible and interchangeable, and rest on Pirelli webbing. Tailored zip-on covers can be removed for cleaning
 Height: 29"
 Depth: 26½"
 Width: 21"
 Seat Height: 16"



STAFFORD FURNITURE LTD.



C143

Has square section frame.
2" latex foam seat on Pirelli
webbing, upholstered back
Height: 30"
Depth: 19"
Width: 19½"
Seat Height: 18"



C20

Elegant, comfortable, this Design
Award-winning chair has an upholstered
seat on shaped plywood. The foam
interior is wrapped over all sides and
corners for maximum comfort and
minimum wear. Height: 33"
Depth: 21" Width: 21½"
Seat Height: 18" Weight: 16 lb.



C5

Stacking Chair

An inexpensive chair for high
density seating. Available with
polished beech seat and back,
or upholstered.
Height: 31"
Depth: 19"
Width: 18½"
Seat Height: 17½"



STAFFORD FURNITURE LTD.

C202

Matching Chair
with arms
Height: 30"
Depth: 19"
Width: 24"
Seat Height: 18"

**UC1
UT1**

Unit Chair
With deep latex foam seat
and back. Designed to
go together back to back,
in line, or equally
elegantly, separately
Height 29½"
Depth: 26½"
Width: 20½"
Seat Height: 16"

Matching Table
27" × 19" × 13" high.
Available with laminated
plastic top, or veneered
in teak, mahogany or
rosewood

**C204**

Matching Chair
with arms
Height: 27"
Depth: 30"
Width: 27½"
Seat Height: 15½"



Ample-sized latex seat and
back cushions are reversible
and interchangeable.
Tailored zip-on covers can be
removed for dry-cleaning
Height: 27"
Depth: 30½"
Width: 22½"
Seat Height: 15½"

C203

STAFFORD FURNITURE LTD.



T130

Equally suitable as an executive or dining table. Tops available in a variety of sizes in laminated plastic, or veneered in teak, mahogany, or rosewood, standard height 29"



T132



Stacking Table

Normally supplied with laminated plastic tops, but veneered tops also available. Size illustrated 30" x 30" x 29" high, but any size can be supplied to order

T43

Coffee Table

With refreshingly simple lines. Standard size 48" x 18" x 15" high, other sizes available



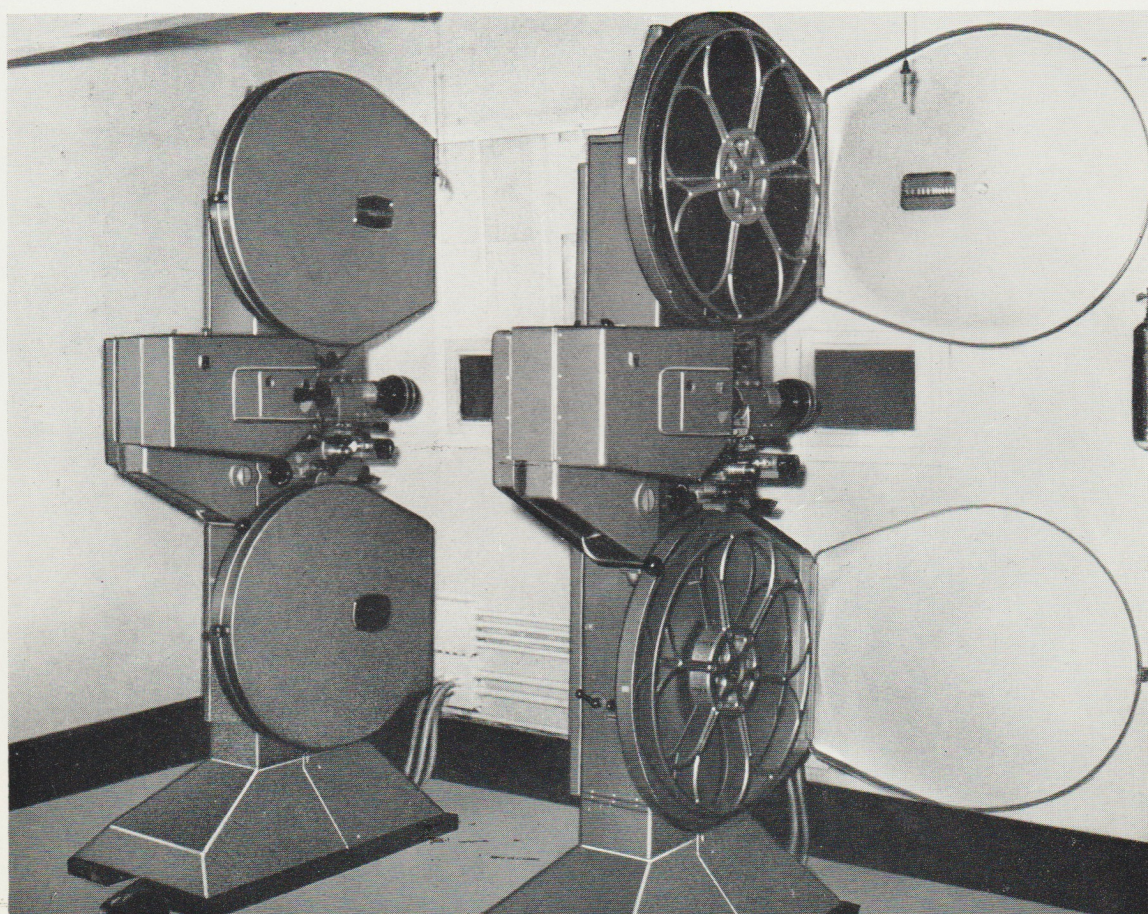
PHILIPS
ELECTRICAL EQUIPMENT

PHILIPS PROJECTION EQUIPMENT

The Film industry's famous award, the Oscar, was presented to Philips Electrical Ltd., for the very first time ever, in recognition of the excellence of engineering and achievement in the design of the Philips 70/35 mm Film Projector, as used with Todd-A-O equipment.

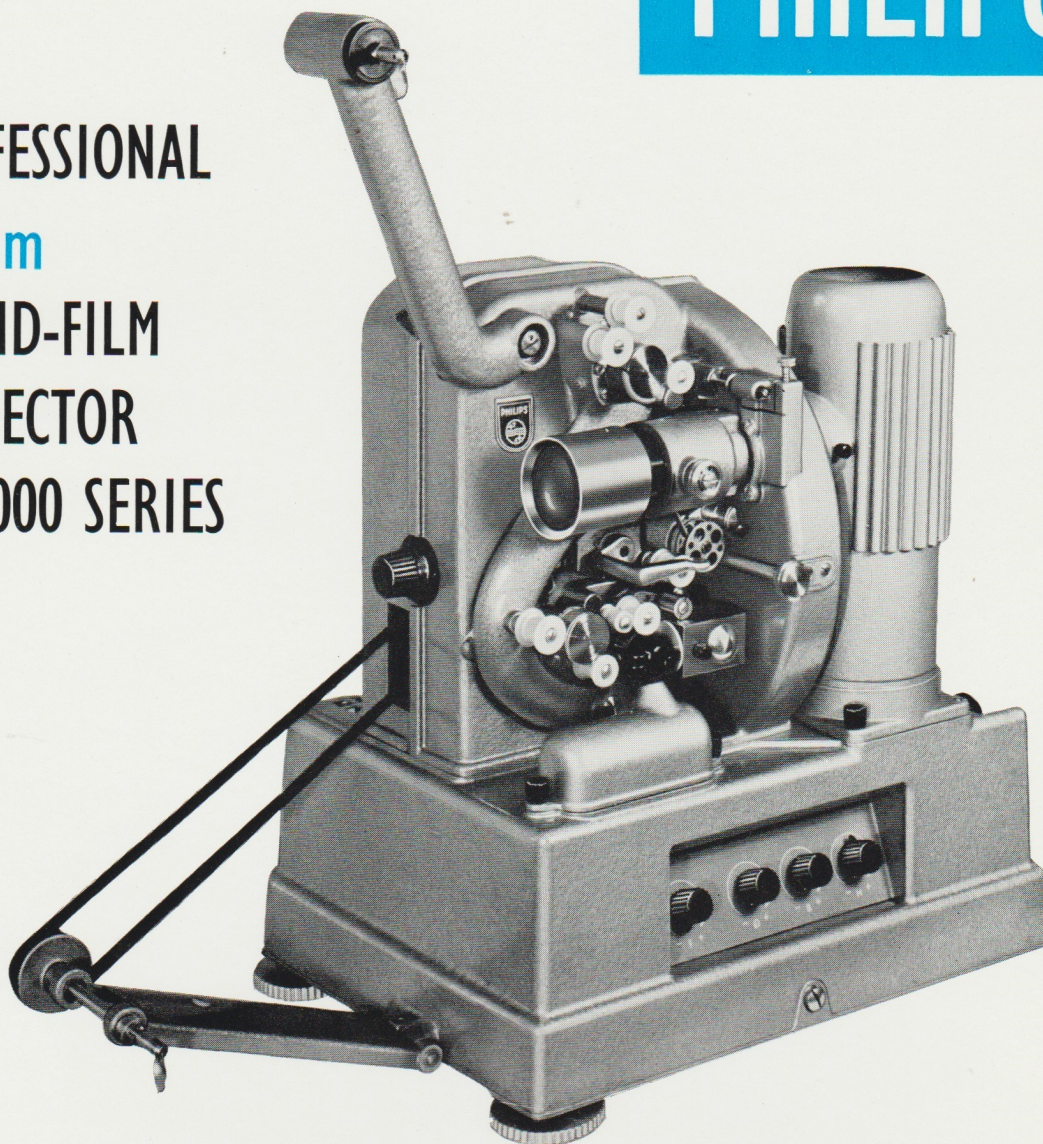
Philips projection equipment is designed to cover every requirement from 16 mm to 70 mm, with incandescent lamps, electronic pulse light or arc lamps.

Pathe Equipment Ltd., the sole sub-agent for Philips projection and associated products in the United Kingdom, welcome consultations, without obligation, with our Technical Department.



PHILIPS

PROFESSIONAL 16 mm SOUND-FILM PROJECTOR EL 5000 SERIES



Complete 16 mm sound-film equipment

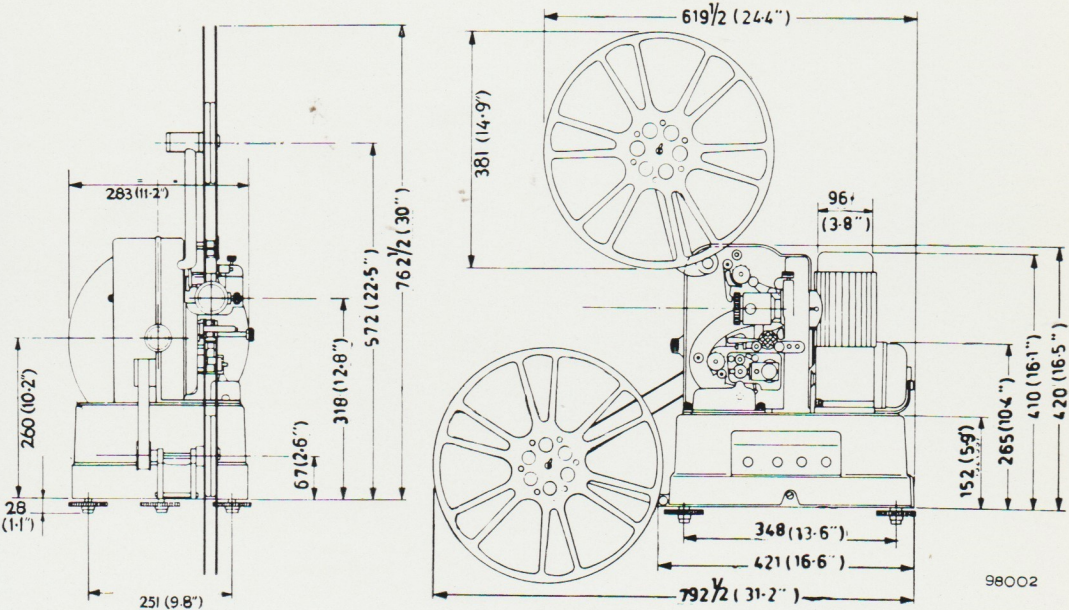
EL 5000 series, placed on a table and ready for projection. Exceptionally brilliant picture. Absolute steadiness of picture and excellent definition. Unique design preventing film damage. Easy change-over from silent-film to sound-film speed and vice versa. Asynchronous driving motor. Powerful, modern amplifier. Wow and flutter-free reproduction. Separate bass

and treble filters. Mixing facilities. Two high-fidelity, permanent-magnet loudspeakers on large baffles. Easy operation and maintenance. Perfect reliability. Quiet running. Fully tropicalised design. Suitable for connection to A.C. mains of 103-257 V, 50 or 60 c/s. Easily adaptable to CinemaScope. Stationary models with Pulsed light Xenon or high intensity carbon are available for very large pictures.

TECHNICAL DATA

16 mm

Diagrams giving front and side elevations of EL 5008/02.



DIMENSIONS AND WEIGHTS

Description	Dimensions	Weight
Projector with built-in amplifier in case	21 1/4" x 18 1/2" x 14 1/2" 540 x 470 x 370 mm	92 1/2 lb. 42 kg
Loudspeaker case	30 1/4" x 17" x 8 1/4" 770 x 430 x 210 mm	40 lb. 18 kg
Supply transformer in case	16 1/2" x 12 1/2" x 9" 420 x 320 x 230 mm	51 lb. 23 kg

CABLES

Packed in loudspeaker case:

cable between projector and loudspeaker No. 1 :

50 ft (15 m) No. V3 603 10

cable between loudspeaker No. 1 and loudspeaker No. 2 :

16 ft (5 m) No. V3 603 11

mains cable :

33 ft (10 m) No. V3 603 15

Packed in supply-transformer case :

connecting cable :

5 ft (1.5 m) No. V3 603 13

earth lead :

5 ft (1.5 m) No. V3 603 26

Chart giving technical details of EL 5008/02.

PHILIPS

PROJECTOR FP 20 S. 35 mm WITH IMPULSE LAMP SPP 800

Incorporating the SPP800 gas-discharge lamp, a brand new light-source representing the fruit of years of Philips research, making a shutter superfluous and thus offering the highest luminous efficiency.

Lower running costs per Lumen than with any other light-source.

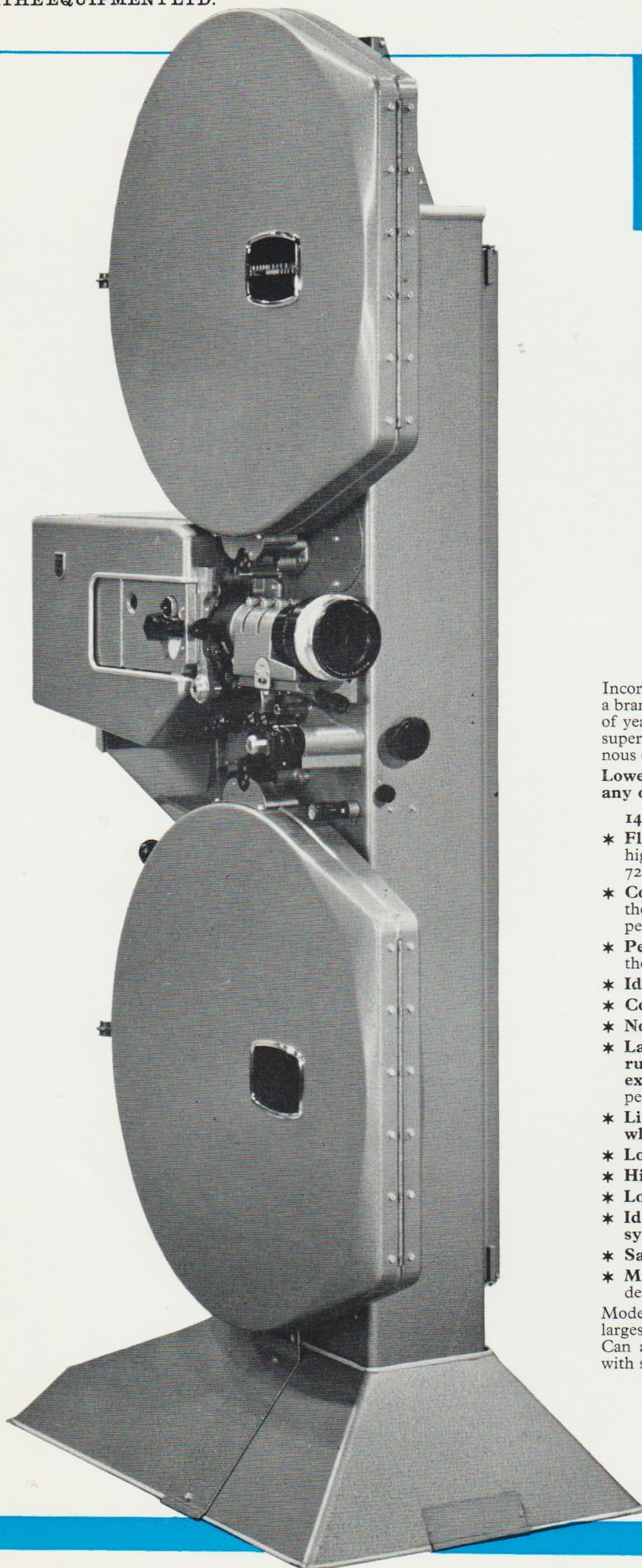
14 "HIGH LIGHTS"

- * **Flicker-free projection**, even at much higher luminous intensities than normal. 72 light-pulses per second . . .
- * **Constant luminous flux**, irrespective of the number of operating hours and irrespective of mains voltage fluctuations . . .
- * **Perfectly uniform brightness**, right into the corners of the screen . . .
- * **Ideal colour-rendering** . . .
- * **Completely safe operation** . . .
- * **No flue or exhaust system needed** . . .
- * **Lamp can be replaced without interrupting operation.** Automatic lamp exchange precludes interruptions of the performance . . .
- * **Light-source requires no adjustment whatsoever** . . .
- * **Low energy consumption**
- * **High luminous efficiency**
- * **Low running costs** . . .
- * **Ideal for remote control and automatic systems** . . .
- * **Saves space in projection room** . . .
- * **Minimal heating of film**, hence good definition at all times . . .

} Ensure
greatest
economy

Models available with twin lamps for the largest Super Cinema.

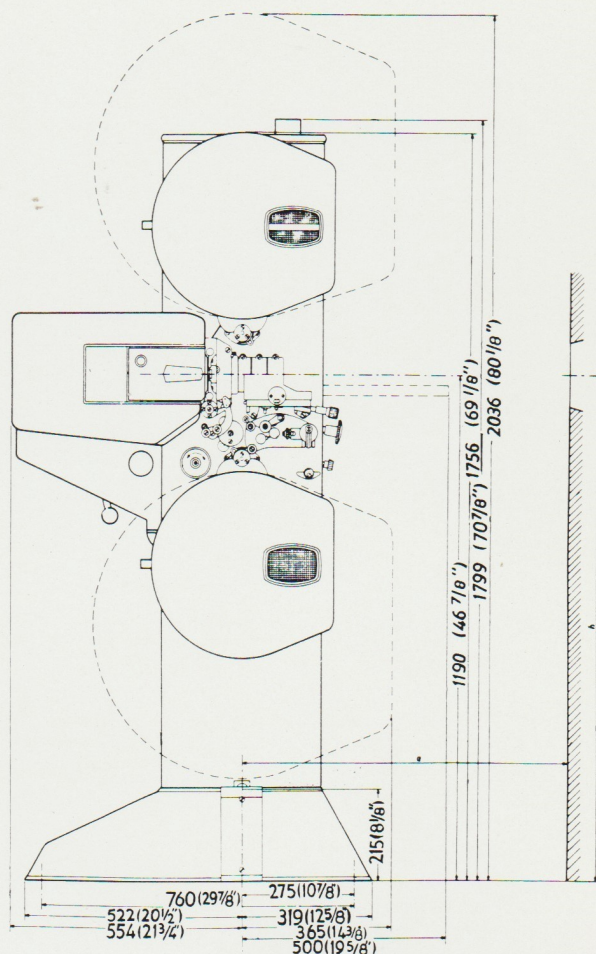
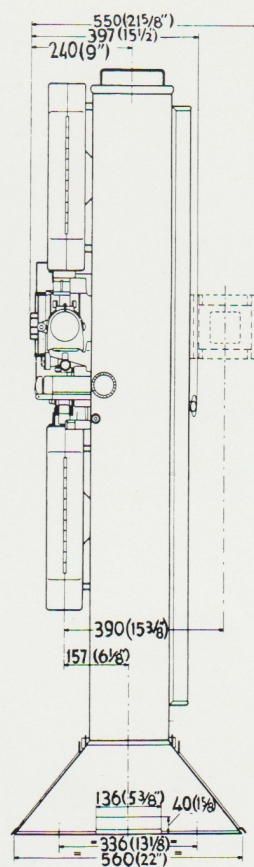
Can also be supplied for 25 frames per sec. with synchronous or interlocked drive.



TECHNICAL DATA

35 mm

Diagrams showing
front, side and
back elevations
of FP 20 S.



TYPE NUMBERS AND WEIGHTS

Projector FP 20 S with light-sensitive sound equipment, and 1800 m (5906 ft) safety magazines.*

600 m (2953 ft) safety magazines.*

Magnetic sound equipment.

Pulsator.

Objective lens holder.

nett weight
lb.

400.4

339.9

14.3

292.6

1.3

* These projectors are supplied with an asynchronous motor for alternating current, 220 volt, 50 c/s and for a film speed of 24 frames/sec.

On order, they can also be delivered with :

Asynchronous motor 110 volt, 50 or 60 c/s, 24 frames/sec.

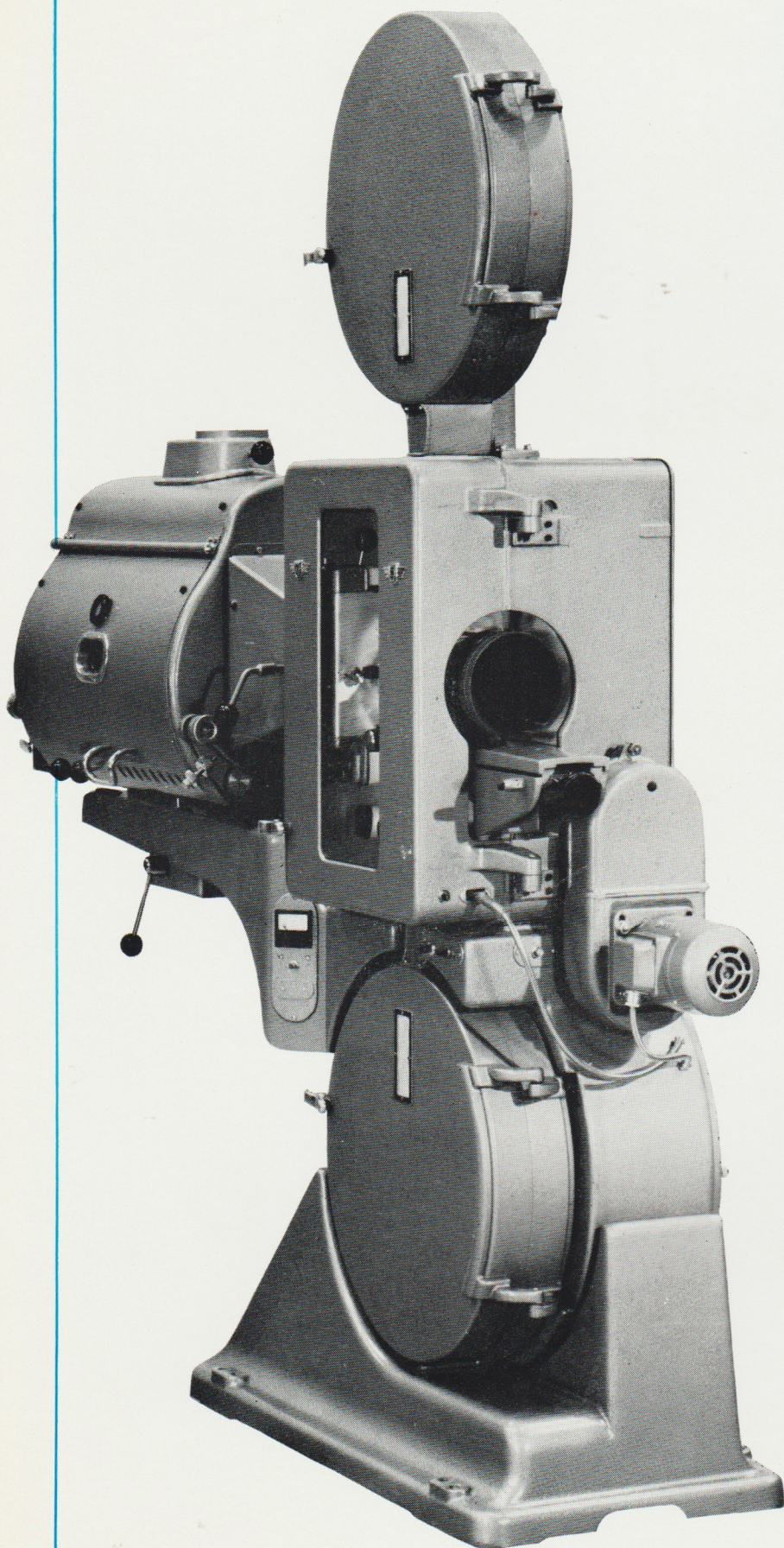
Synchronous motor 3 × 220/380 volt, 50 or 60 c/s, 24 frames/sec.

Synchronous motor 3 × 220/380 volt, 50 c/s, 25 frames/sec.

Chart giving
technical
details of
FP 20 S.

PHILIPS

DP 70 MULTI-PURPOSE 70/35 mm FILM PROJECTOR



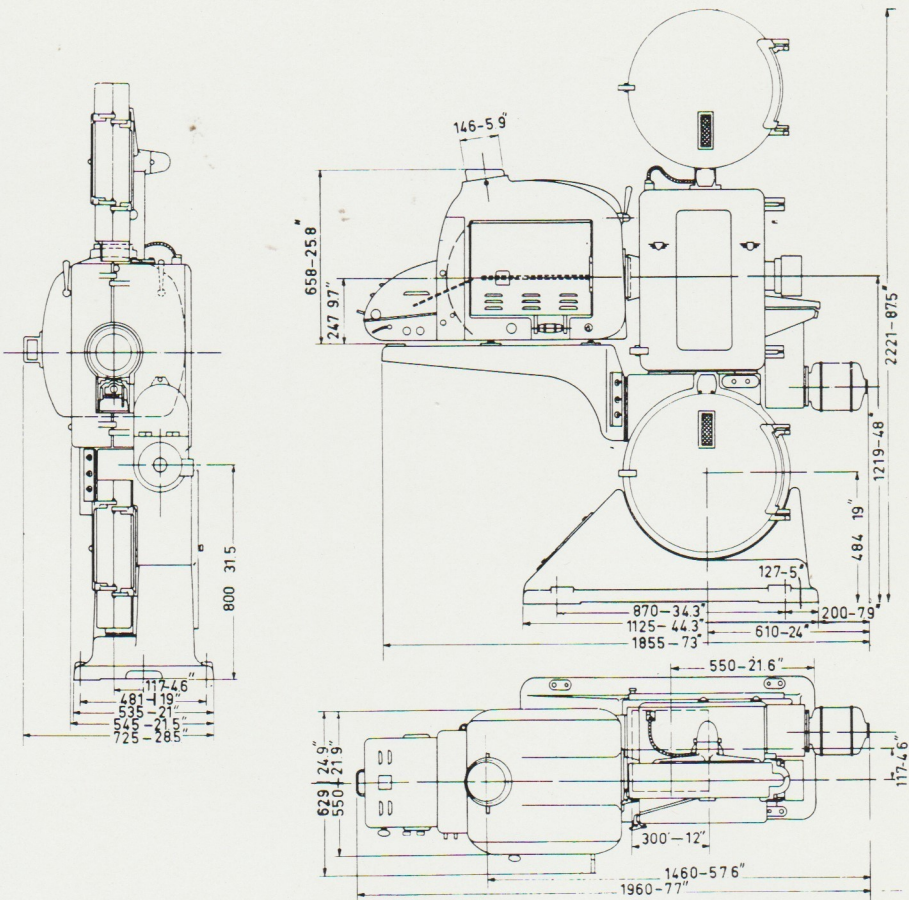
The multi-purpose projector DP 70 is suitable for use with all 70 mm film systems such as Todd-AO, Super Technirama 70, and Camera 65, and all the usual 35 mm systems in which the film travels vertically, such as standard 1 : 1.37, CinemaScope with optical sound tracks, CinemaScope with 4 magnetic tracks, Magoptical copies and WideScreen copies.

It has been possible to achieve this versatility by designing the DP 70 specially as a 70 and 35 mm projector, which also ensures that full attention can be paid to the necessity of a rapid change-over from 70 mm to 35 mm film. The number of operations needed to pass from one system to the other is so small that the whole job can be performed in a matter of minutes.

TECHNICAL DATA

70/35 mm

Diagrams showing front, side and back elevations of DP 70.



Capacity of spools:

- 3000 ft (900 m) for 70 mm film
- 3600 ft (1100 m) for 35 mm film

Motor:

- 1460 r.p.m. at 50 c/s
- ¼ h.p.
- mains voltage 100 or 220 V
- Mains frequency 50 or 60 c/s

Photocell:

- Type 3554: supply 90 V

Exciter lamp:

- Type 7251 C 5 V-4 A

Dowser supply:

- 90 V

Water consumption:

- 1.760 pints/min (1 litre/min)

Type numbers and weights:

shipped in 8 boxes

Type No.	Description	Weight nett	gross
EL 4000/00	Complete 70/35 film installation comprising : projector mechanism with built-in optical and magnetic soundhead, stand, mounting table and spool cases, for 50 c/s mains.	1102 lb. (500 kg)	1823 lb. (827 kg)
EL 4000/01	As type 4000/01, but for 60 c/s.	1102 lb. (500 kg)	1823 lb. (827 kg)

Chart giving technical details of DP 70.

PHILIPS

CINEMA AMPLIFIER "M2"



This very modern Philips Cinema Amplifier for optical sound tracks, used in conjunction with Philips loud-speakers, forms the ideal system for sound reproduction in halls with a capacity up to 1500 seats. Its principal features are :

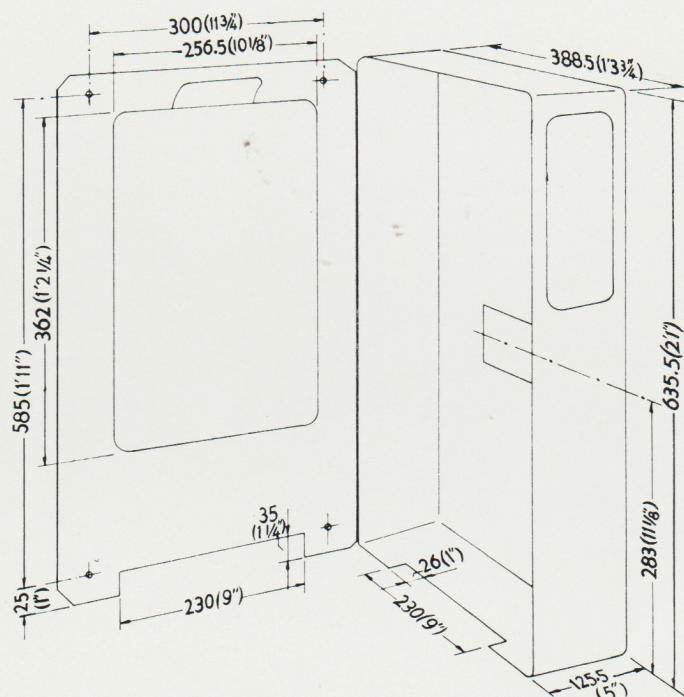
- Greatest reliability.
- Small dimensions.
- Easy installation.
- High output power.
- High sensitivity.
- Minimum distortion, hum and noise.
- Continuously adjustable frequency response.
- Two built-in monitor speakers.
- Simple operation.
- Easy maintenance and service.
- Suitable for use under tropical conditions.

The incorporation of all these features in one amplifier has been made possible by the use of transistors and printed circuits, which in recent years have been adopted more and more in electronic apparatus.

A simple pre-stage amplifier is available to provide excellent reproduction of magnetic sound tracks.

TECHNICAL DATA

M.2 A M P L I F I E R



Type numbers and weights

EL 5341/03	Amplifier complete with plug-in amplifier unit and cross-over network	58 lb. 7 oz. 26.5 kg
EL 5341/02	As above, but without cross-over network	56 lb. 11 oz.
EL 5341/01	As above, but without plug-in amplifier unit and without cross-over network	38 lb. 9 oz. 17.5 kg
EL 5440/00	Amplifier unit	18 lb. 2 oz. 8.2 kg
EL 5441/00	Cross-over network	1 lb. 12 oz. 0.8 kg

Technical data

Input sensitivity (at an output voltage of 100 V across 500):	
photocell	average 0.65 mV
pick-up	" 16.5 mV
microphone	" 3.75 mV
Input impedance:	
photocell	about 23k
pick-up	about 47k
microphone	about 400
	independent of the frequency - 40k

Technical data cont'd

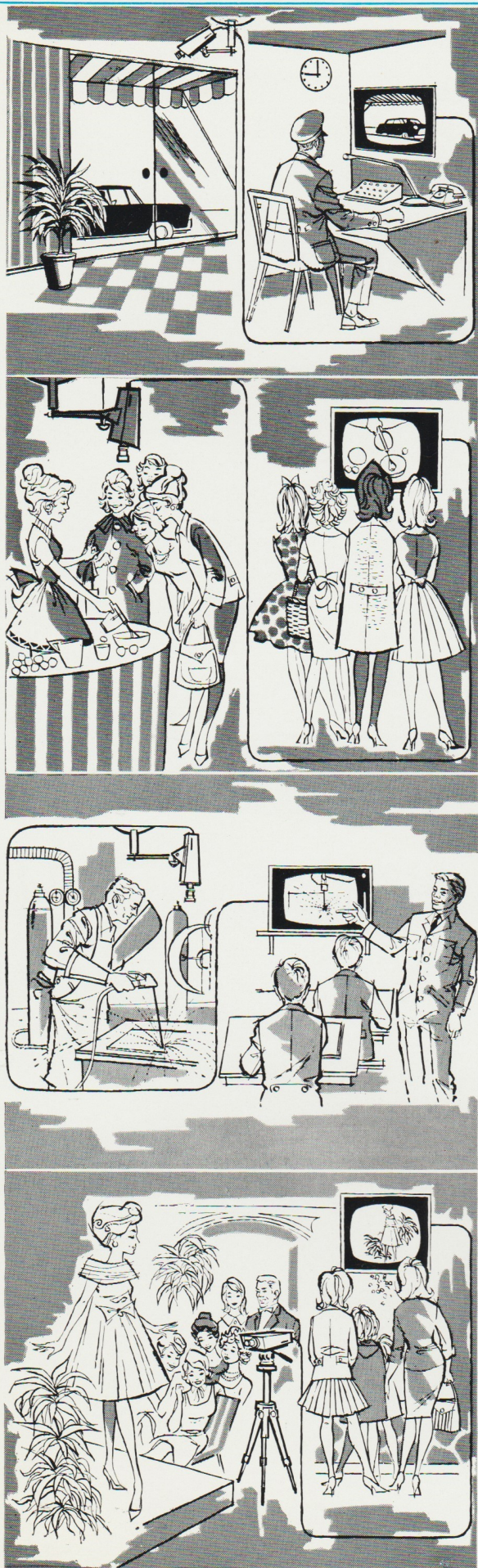
Output voltage	max. 100 V
Output impedance:	
without cross-over network	500
with cross-over network	2 x 500
Distortion at max. output power:	
at 1000 c/s	average 0.75%
at 4000 c/s	" 1.00%
at 60 c/s	" 1.25%
Noise level (measured with volume control on "10" and tone control in middle position:	
photocell	average - 56 dB
pick-up	" - 62 dB
microphone	" - 57 dB
Mains voltage	110 and 220 V
Max. power consumption	125 W (cos φ = 0.87)
Photocell voltage	50-97 V
Exciter-lamp supply	6.5 V/1.48; 50,000 c/s
Picture-relay supply	6 V/4.5 A
Valves, etc.	3 x OC 73 (transistor) 2 x OC 71 (transistor) 1 x ECC 83 3 x PL 36
Inspection lamps	2 x 8008 N (6.3 Vo./15A)
Fuses	1 x 08 142 29 (500 mA)

PHILIPS

PATHE CLOSED CIRCUIT TELEVISION

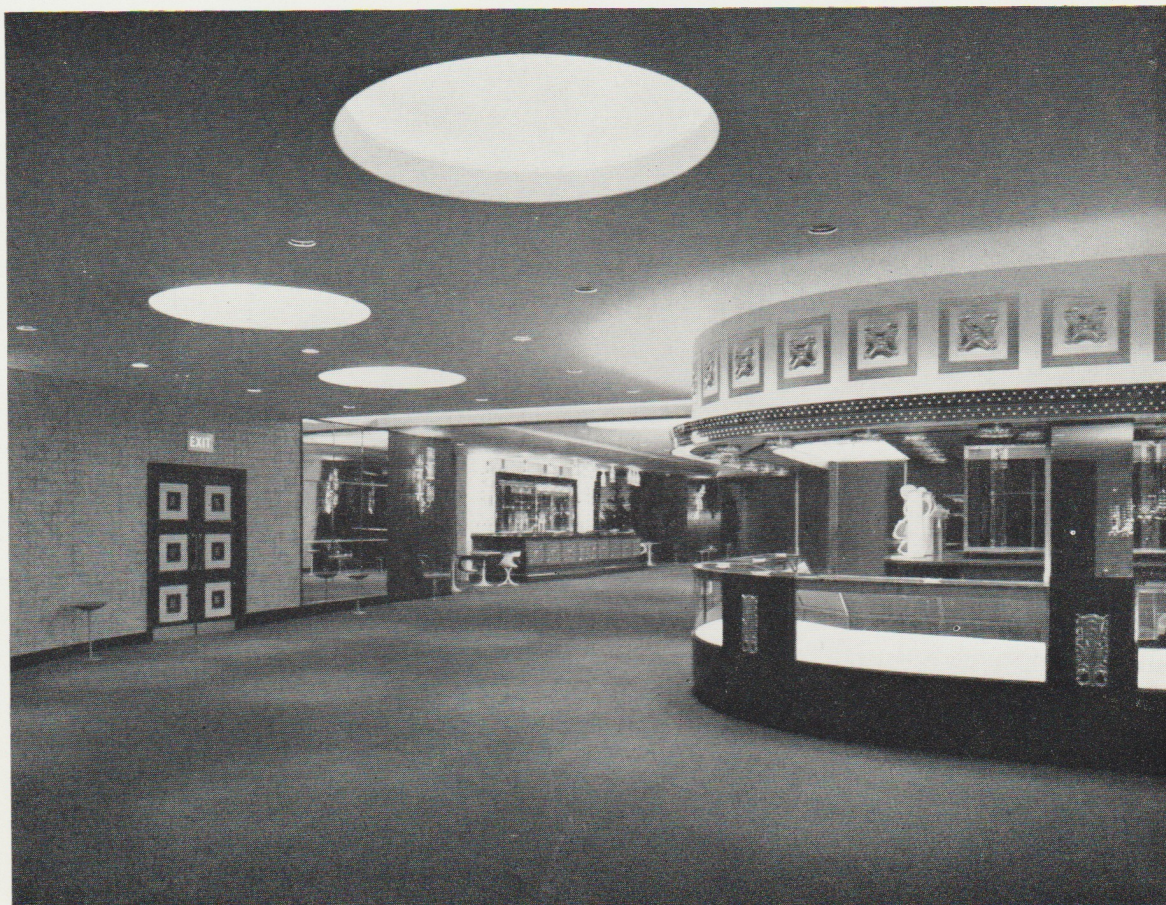
The closed circuit system of television using camera and monitor viewing screen can be used in so many ways that it is not possible to list them. Pathe can offer a full range of equipment from the lightweight fully transistorised "Compact" camera (which can as easily feed up to 30 domestic receivers as it can studio type monitors), to the full Studio Equipment in black and white or colour, including large screen TV projectors.

Remote control devices for all functions have been developed and the system has proved of great advantage in Hospitals, Universities, Transport Depots, Factories, Places of Amusement, etc., and a comprehensive scheme will be prepared with pleasure to meet any need.



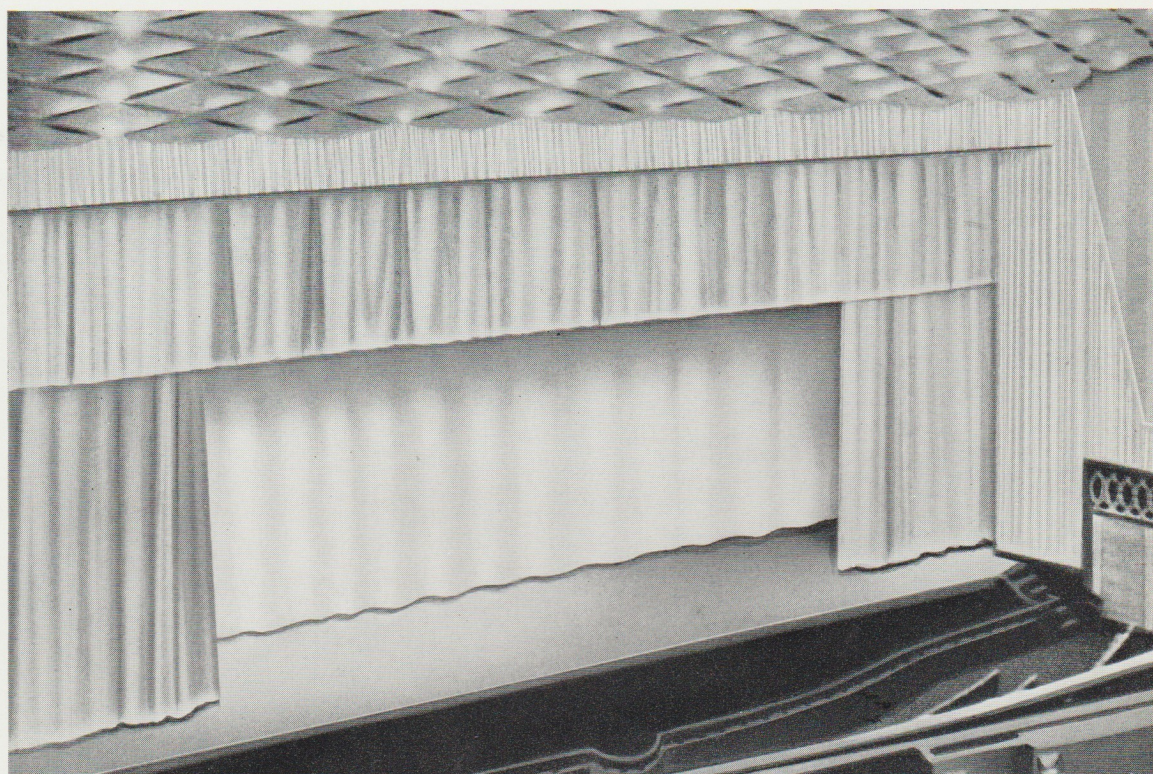
CARPETS

Pathe Equipment Ltd. have the most comprehensive range of carpets available from all the leading manufacturers. In addition, for orders of more than 250 yards we can supply any specified carpet design at no extra cost. Prices are the most competitive in the country. Our experienced surveyors and layers are always available to advise or assist — without obligation.

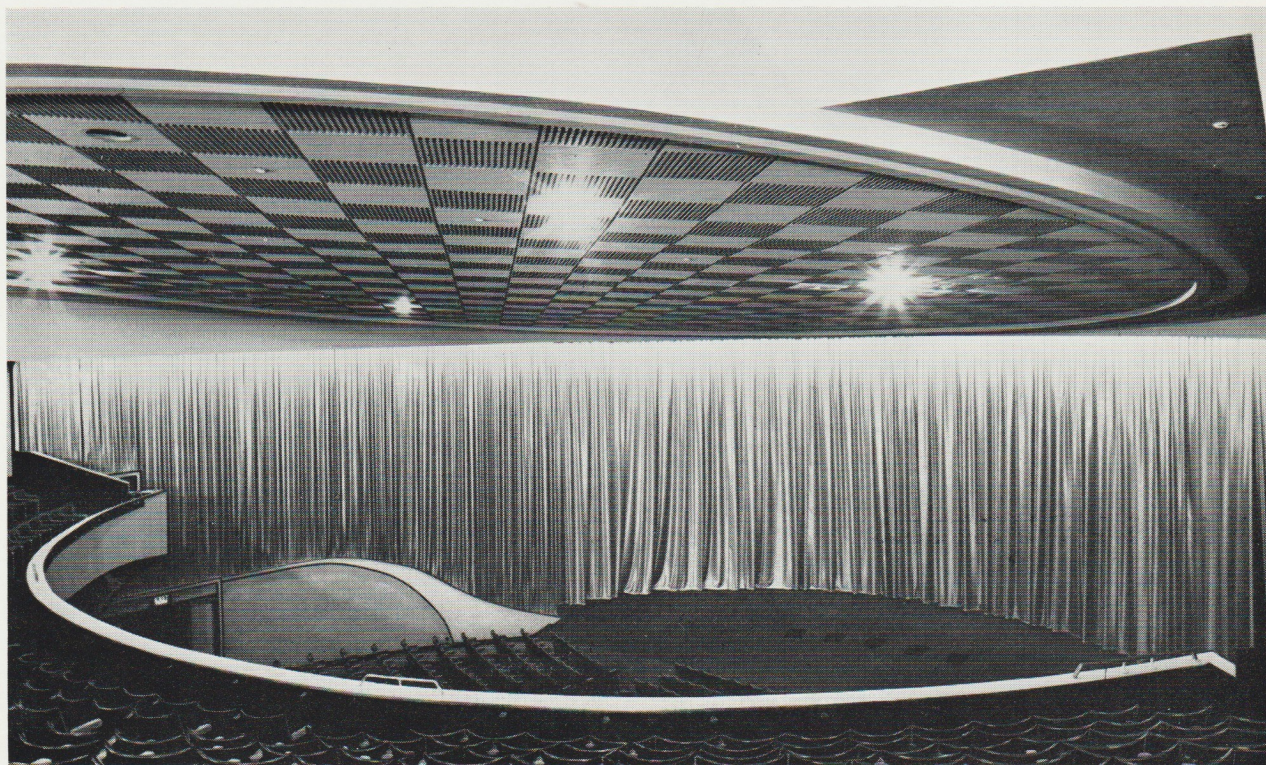


CURTAINS

Pathe Equipment Ltd. supply and design curtains of all sizes, in any colour or combination of colours, to requested specifications. Fabrics available include the entire range of man-made fibres and all the favourite traditional materials. Where applicable, curtains are manufactured in full accordance with public safety regulations. Window curtains and venetian blinds can also be supplied.



DECOR



The "VAST LOOK" dispenses with the traditional proscenium and is substituted by a wide sweep of curtain extending on both side walls well into the auditorium, as shown above.

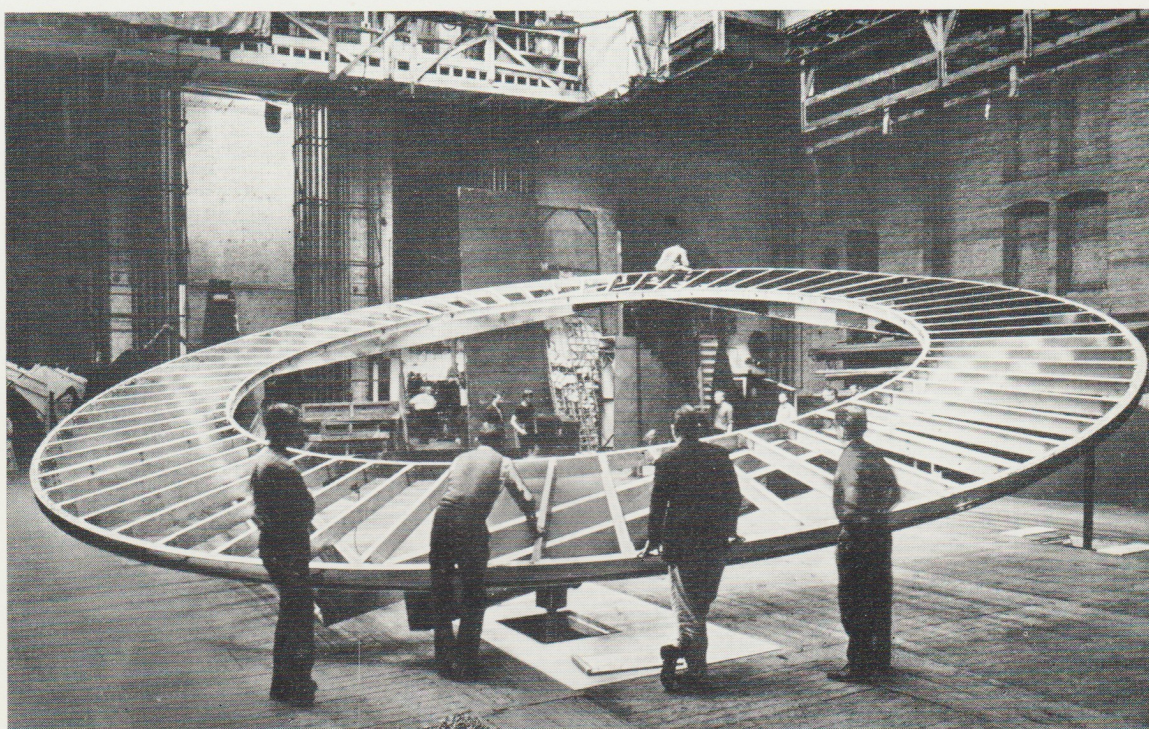
This new technique can easily be applied in many situations and is probably the most effective way in which a theatre modernisation can be accomplished. It is one of the few attractive and functional methods which must be adopted in the cinema where Cinerama and other new wide screen techniques will be presented.

The illustration shows the interior treatment of the A B C, Bristol Road, Birmingham. To the design of A B C Architects Dept., C. J. FOSTER, L.R.I.B.A. Architect to the Company.

HALL STAGE EQUIPMENT LTD

Hall Stage Equipment Ltd. have been engaged in the design and manufacture of precision engineering in the field of stage equipment since 1898.

Pathe Equipment Ltd., agents for this company—and in co-operation with their design and planning department—are at your service and are available for consultation on this specialised work.

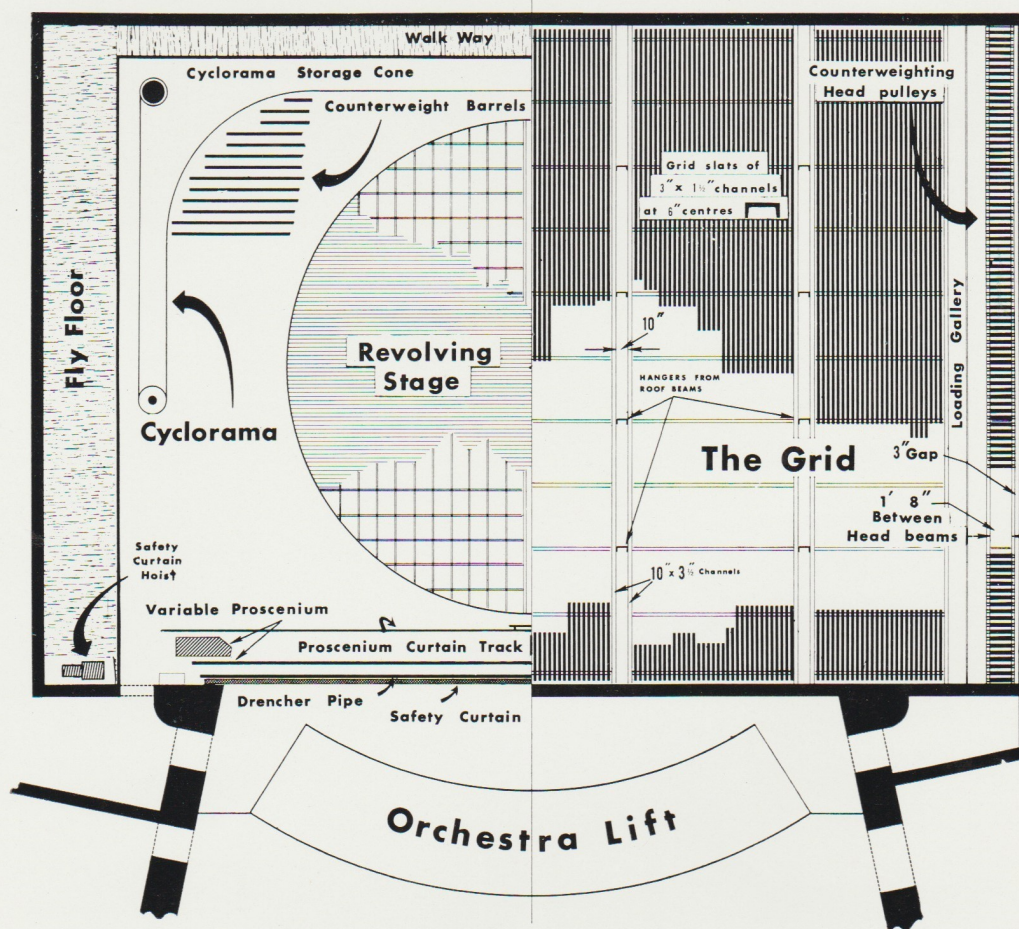


Installation of Ring Lift—Royal Opera House

HALL STAGE EQUIPMENT LTD.

STAGE ENGINEERING

Planning, Manufacture & Installation.



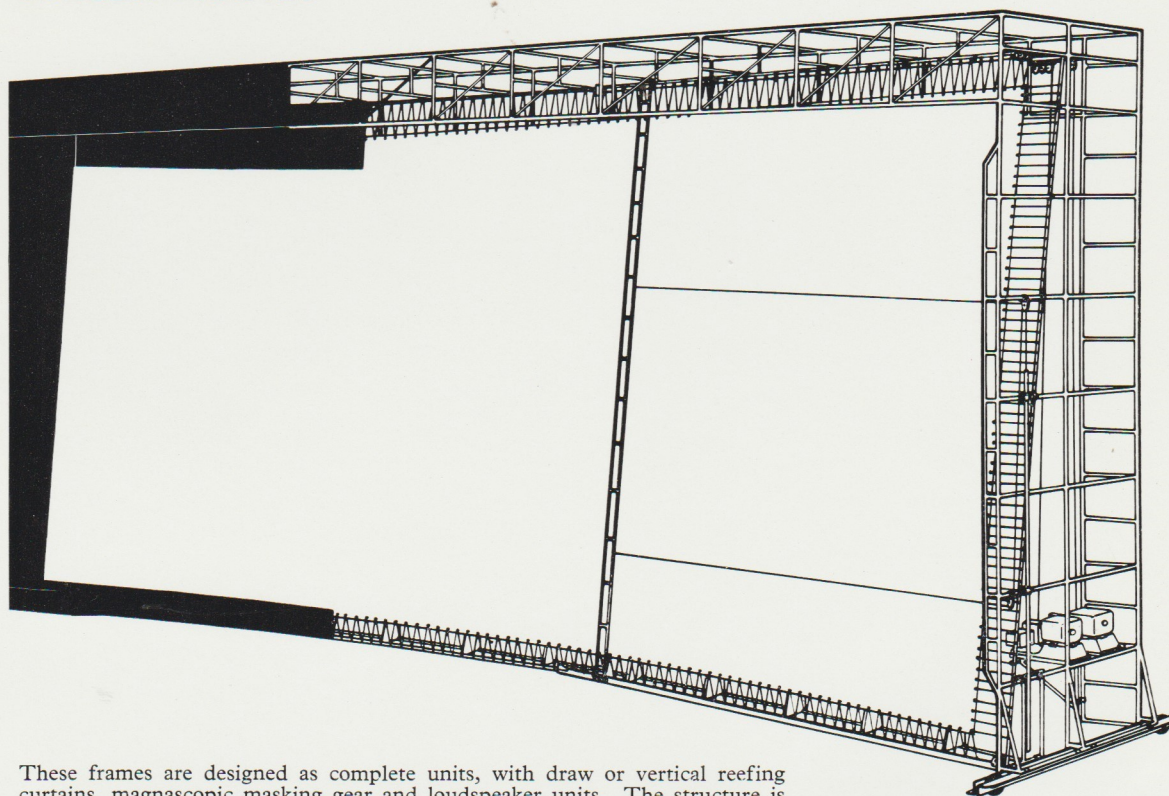
At your disposal is our long experience in stage engineering and planning. The efficiency and planning of any stage calls for a special knowledge and we would be pleased to offer suggestions, prepare stage plans and submit quotations without cost or obligation. The illustration shows the plan

of a typical theatre stage, one level giving detail of the stage floor area, the other level giving detail of the grid construction.

We welcome your enquiries and the opportunity to put forward layouts and quotations for stage work you may be considering.

HALL STAGE EQUIPMENT LTD.

HALL MOBILE SCREEN FRAMES



These frames are designed as complete units, with draw or vertical reefing curtains, magnascopic masking gear and loudspeaker units. The structure is arranged to roll up stage or to fly on counterbalance sets, when a stage show is in production.

Note: All travelling and flying movements can be electrically or manually operated.

**BOX FRAME
TYPE 117**

CINEMA SCREEN FRAMES

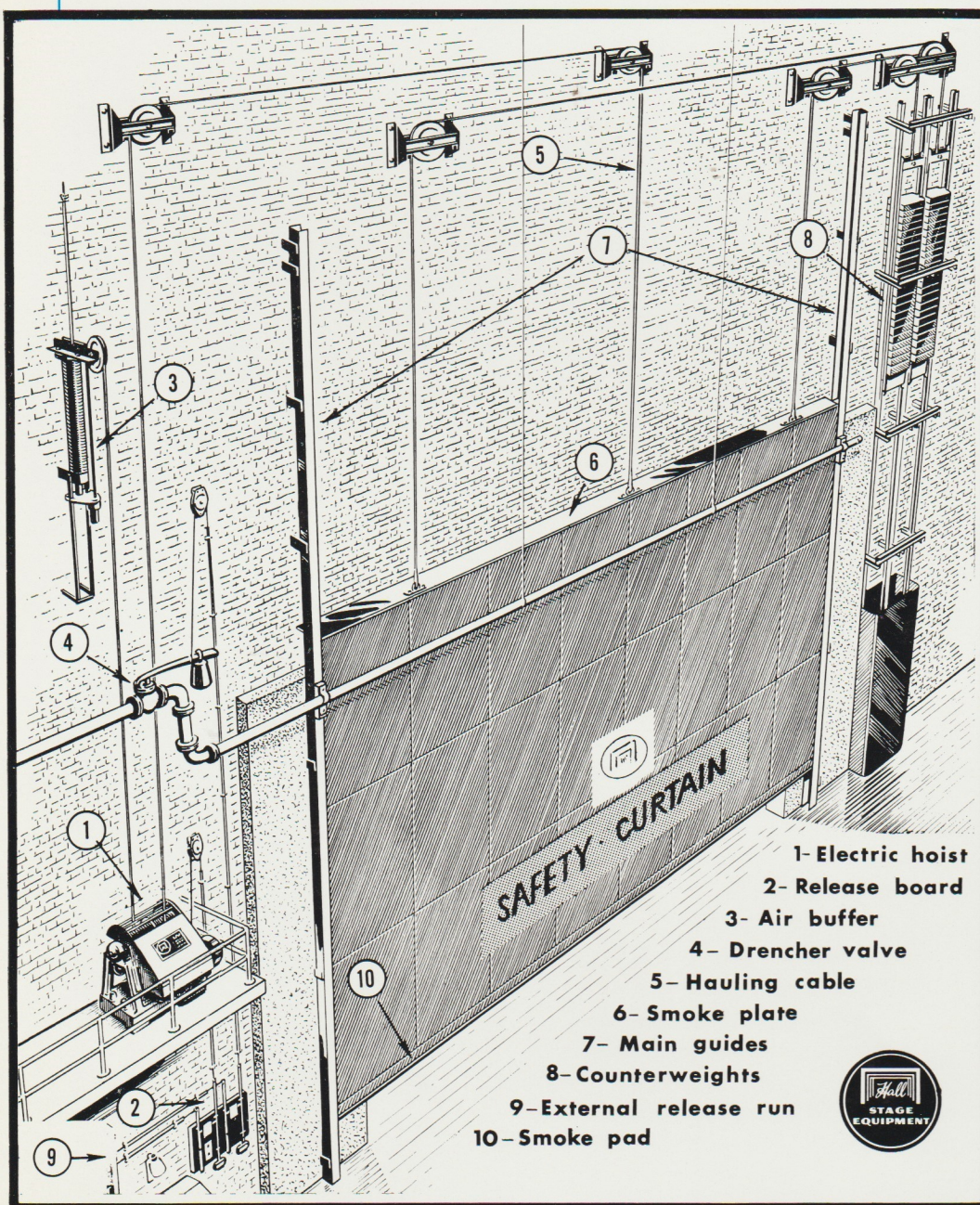
HALL engineers have designed many types of cinema screen frames for use in cine-variety theatres, these frames are designed for quick and easy movement with a minimum of labour. The three main types available are:

1. Mobile or Flying Box Frames. These can be flown on winch or counterbalance sets, or wheeled back stage on chain-driven bogies.
2. Boxed Roller Screens. These screens can be either at high level (permanently suspended) or in a removable box at stage level, the box lid with screen attached being raised by hand or electric control, this automatically erecting the screen.
3. Latroller Screen. This type of screen frame designed and patented by HALL engineers for the dual purpose of using the latest projection techniques with an anti-proscenium frame whilst still retaining the full use of the stage behind the frame. This is achieved by mechanically rolling the curved screen off sideways on to a tapered storage drum, allowing the stage to be viewed through the screen frame which in effect becomes the proscenium opening.

All conventional fixed cinema frames manufactured, either flat, variable curve or curved, together with all allied equipment for multiposition masking gear, integral curtain or festoon curtain gear as required.

HALL STAGE EQUIPMENT LTD.

THE HALL RIGID SINGLE-PIECE SAFETY CURTAIN



'Hall' Safety Curtains are designed to conform with the most stringent safety regulations and are acceptable by all Licensing Authorities.

The frames are constructed from heavy rolled steel sections fully capable of resisting the increased pressure resultant upon an outbreak of fire. They are covered on the stage side with 16-gauge mild steel sheets, and on the auditorium side with 60-ounce metallic asbestos cloth. All pulleys used are of large diameter, fully machined, and fitted with heavy-duty

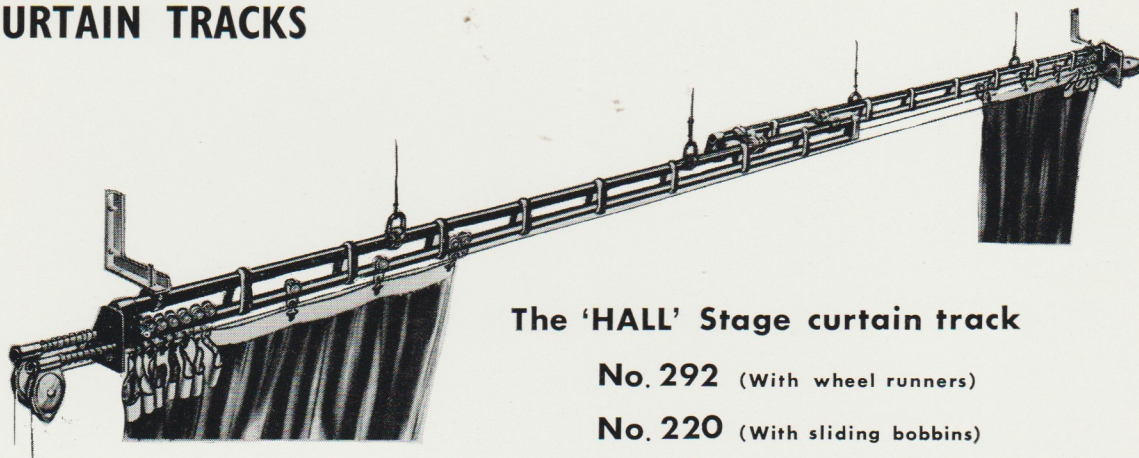
ballraces. All fire curtains can be electrically or hand operated, the hoist is connected with an air check buffer system to eliminate over-run. Main and secondary release positions are provided where flying weight is limited.

A two-piece rigid safety curtain, or a roller safety curtain can often be installed.

We would be pleased to advise you as to the suitability of the particular fire curtain applicable to your own special project.

HALL STAGE EQUIPMENT LTD.

HALL STAGE CURTAIN TRACKS



The 'HALL' Stage curtain track

No. 292 (With wheel runners)

No. 220 (With sliding bobbins)

Electrically or Manually Operated

These tubular curtain tracks are recommended for all stage curtains and are reliable in every way. They are supplied complete with runners (or bobbins), pulleys, adjustable over-clips and hauling line. Hall curtain tracks may be operated either by endless cord (termed cord-working) or by flexible steel cable (termed cable-working).

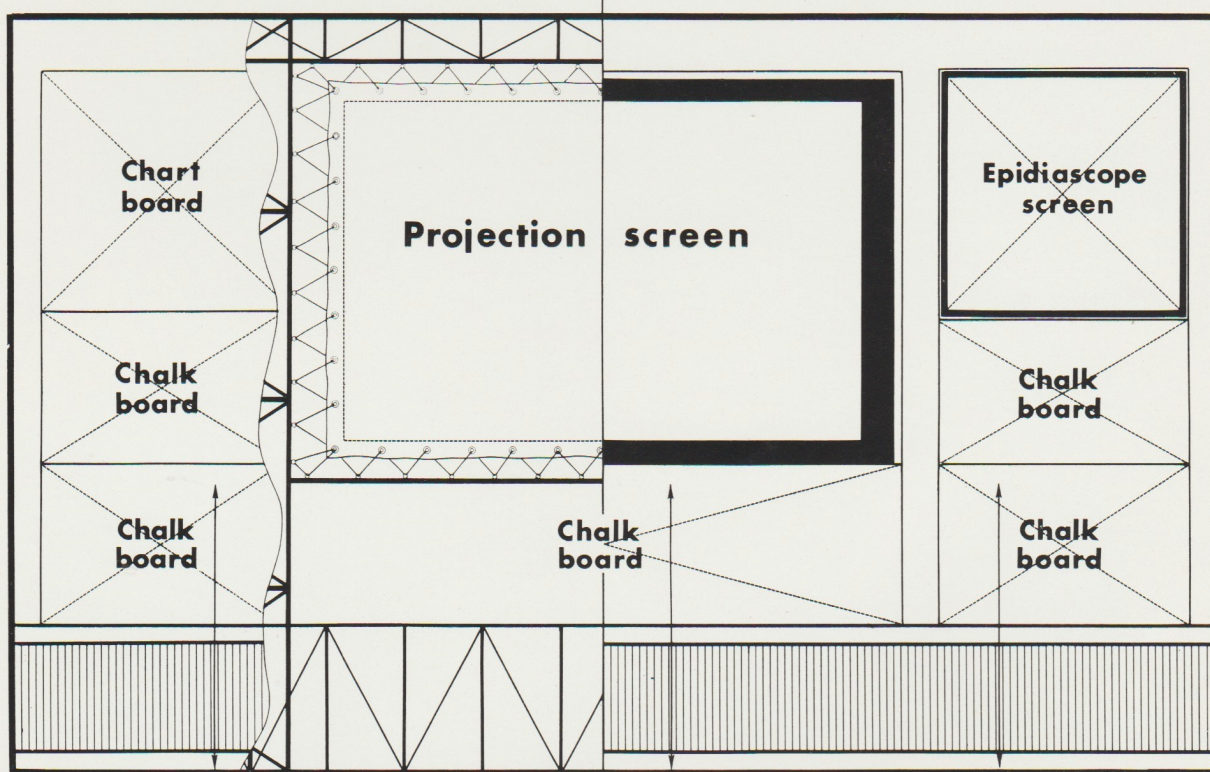
Where an electrically operated curtain controller is used, a cable working track is essential.

Curtain tracks are made in three gauges : E.L., L. and H., which have the following recommended maximum "beam" span and carrying capacity:

Catalogue No.	Maximum Span between Suspensions	Maximum Length of Track	Maximum Load per Runner	Maximum Curtain Weight	Centre Overlap	Dia. Return Pulley	Dia. Entrance Pulley	Methods of Working
292 EL Cord	6 ft.	20 ft.	4 lb.	60 lb.	1 ft. 6 in.	3 in.	3 in.	Endless cord and weighted stage pulley
292 EL Cable	6 ft.	20 ft.	4 lb.	80 lb.	1 ft. 6 in.	3 in.	7 in.	Manual or electric controller
292 L Cord	8 ft.	40 ft.	8 lb.	200 lb.	2 ft. 0 in.	4 in.	3 in.	Endless cord and weighted stage pulley
292 L Cable	8 ft.	40 ft.	8 lb.	300 lb.	2 ft. 0 in.	4 in.	11 in.	Manual or electric controller
292 H Cord	12 ft.	any length	15 lb.	300 lb.	3 ft. 0 in.	5 in.	5 in.	Endless cord and weighted stage pulley
292 H Cable	12 ft.	any length	15 lb.	800 lb.	3 ft. 0 in.	5 in.	11 in.	Manual or electric controller

HALL STAGE EQUIPMENT LTD.

CHALK and CHART BOARDS



**An assembly of 9 electrically raised & lowered chart & chalk boards, with 2 projection screens.
Designed, Manufactured & Installed by HALL STAGE EQUIPMENT Ltd.
In a University Lecture Theatre**

The installation of a system of electrically operated chalk boards and projection screens is a feature of the modern university lecture theatre. It should be included in any new building project in order to give the lecturer the greatest possible facility. Various methods of chalkboard movement are available, sliding vertically, or horizontally or a combination of

both. A projection screen of large size can be brought into use or completely obscured in a matter of seconds. These movements, together with adjustable screen masking equipment can be electrically operated by local or remote push buttons or counterweighted for easy hand operation. Chalkboards are prepared of plate glass, Vitrolite or plastic, according to choice.

Pathe Equipment Ltd. reserves the right to alter and amend the details or specifications of products illustrated in this Catalogue, as new developments occur.

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