

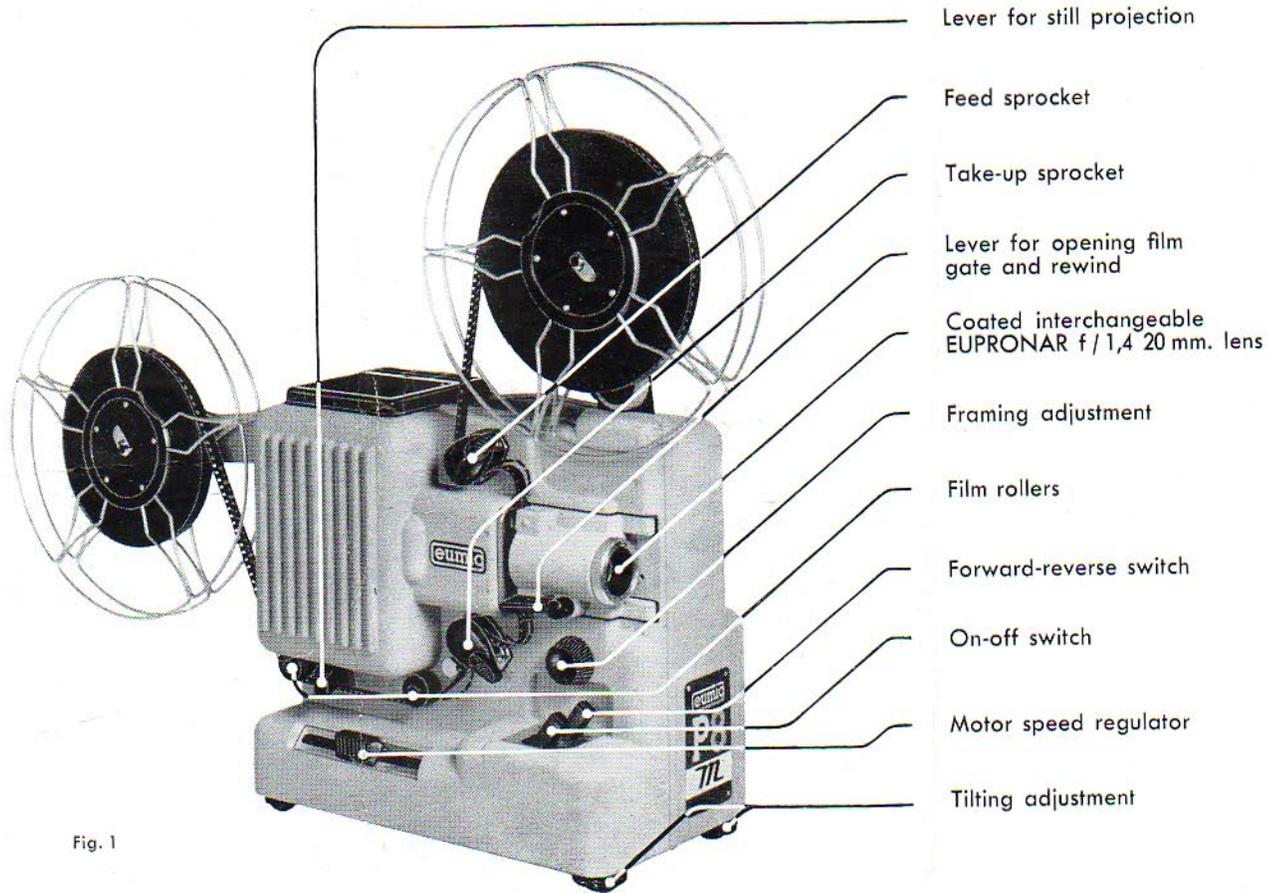
eumig



p8

m

english



Lever for still projection

Feed sprocket

Take-up sprocket

Lever for opening film gate and rewind

Coated interchangeable EUPRONAR $f/1,4$ 20 mm. lens

Framing adjustment

Film rollers

Forward-reverse switch

On-off switch

Motor speed regulator

Tilting adjustment

Fig. 1

eumig p8 m

- Lamp housing
- Feed spool arm
- Take-up spool arm
- Carrying handle
- Locking screw
- Voltage selector
- Manual operating knob for still projection
- Mains connection
- Socket for table lamp
- Earth socket

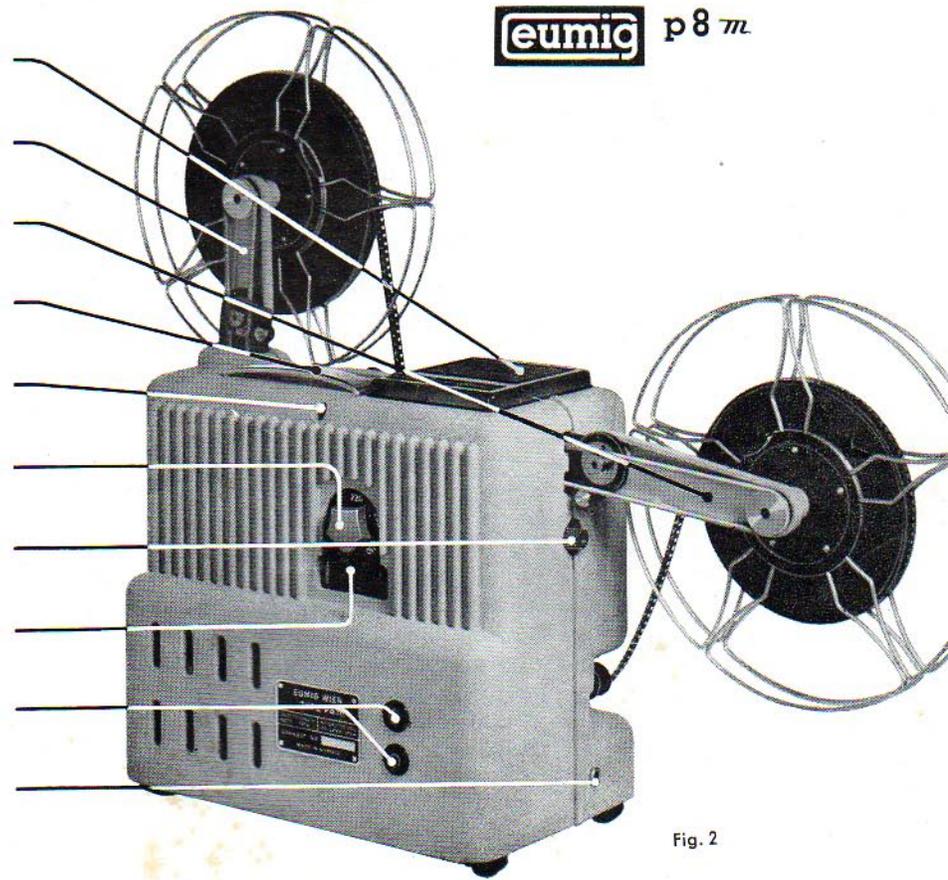


Fig. 2

**8MM - SUPER 8
FILMS AND MORE**

It is always a great event

for you, your family, and your guests when you show our films and bring the happy past back to life on the screen.

You are now the fortunate owner of a EUMIG P 8 *m*, the ideal projector for the job, as it has everything necessary for the perfect projection of your valuable films.

Your P 8 *m* is the product of experienced designers and highly skilled craftsmen, and possesses many excellent features that you will appreciate more and more as time goes by.

The EUMIG P 8 *m* uses a low voltage lamp and gives exceedingly bright illumination — in the same way as a car headlamp. EUMIG was the first firm to use this principle in 8 mm. projectors, and it has proved its value a thousand times over.

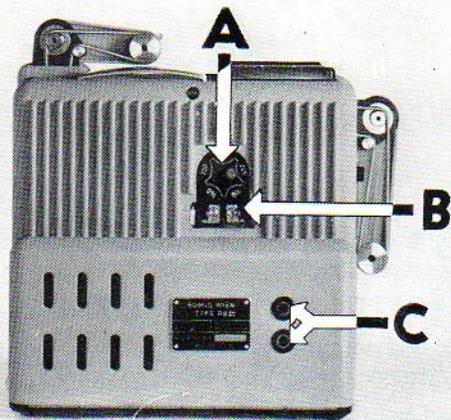
The optical system, further developed in this projector, with its outstanding lens, transmits extraordinarily large and vividly brilliant pictures.

Thanks to its high-precision film transport mechanism, the EUMIG P 8 *m* gives outstanding freedom from flicker and maximum protection for your films.

In spite of its small size, the EUMIG P 8 *m* can take 400 ft. spools without having to be mounted on a special base.

The EUMIG P 8 *m* is simple and almost fool-proof in operation. Even if the controls are wrongly actuated it is almost impossible to damage the projector, but we would ask you to read the following instructions carefully all the same. Your EUMIG P 8 *m* will repay this study with trouble-free running.

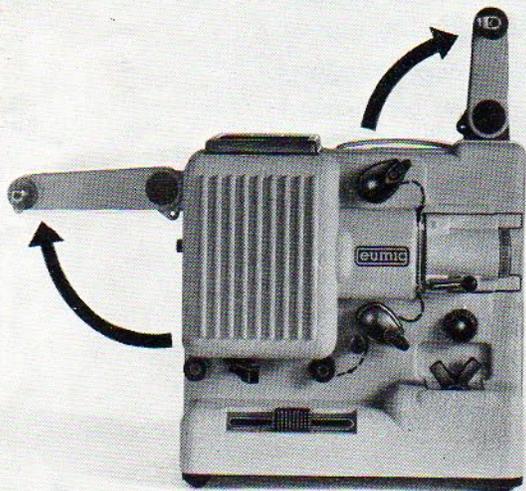
Fig. 3



Before connecting your Projector to mains

please refer to your electric meter to check up on your mains supply. The EUMIG P 8 *m* will operate only on 110—240 volt A.C. (50—60 cycles). The voltage selector A (Fig. 3) above the mains socket is normally set to 220 volts. If you do not have 220 volt current, you must adjust the voltage selector by turning it until the correct voltage is opposite the red dot. Before you reset the voltage selector, you must disconnect the mains lead. Now swing out the two spool arms (Fig. 4) — the drive belts always remain in position. You can now connect up your P 8 *m* to the mains by inserting the female plug of the mains lead supplied into the socket B (Fig. 3). Please notice the connection for room lighting (C, Fig. 3). It is most inconvenient to have to grope in the dark for switches before and after showing films, to say nothing of the risk of jolting the projector, or tripping over carpets and leads. So we suggest that you connect up a table lamp or small standard lamp to the socket C on the projector. The lamp goes out automatically when the projector is switched on and comes on again when the projector is switched off.

Fig. 4



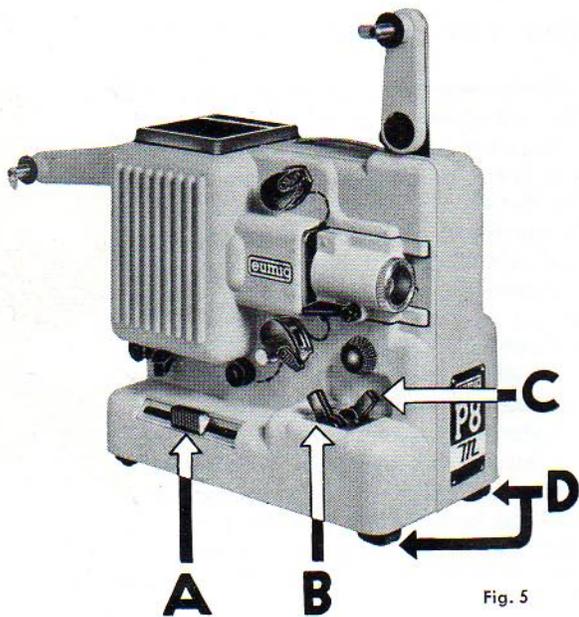


Fig. 5

Set the speed regulator A (Fig. 5) at its middle position. Switch on the motor and projection lamp by means of switch B.

(Switch C operates the forward-reverse mechanism. There is more about this on Page 9 "Reverse projection".)

Your P *m* has a specially developed illumination system working on the low voltage principle which guarantees high image brilliancy and maximum lamp life.

The projection lamp used is a 12 volt lamp with a fourpin bayonet cap.

To replace the lamp, open the lamp housing as shown in Fig. 6, turn the lamp slightly, and pull it out. CAUTION: The lamp will be hot after projection! Insert the new lamp by pressing down slightly and turning in a clockwise direction. Replace the lid of the lamp housing (Fig. 7). It is not necessary to centre the projection lamp, as these special lamps are pre-centred, that is, the position of the light point in relation to the cap has already been set with great accuracy by the makers.

The two screw feet D (Fig. 5) are for tilting the projector.

In order to comply with regulations in various countries regarding the earthing of electrical appliances, the P 8 m is provided with an earth socket (Page 1, Fig. 2).

Fig. 6

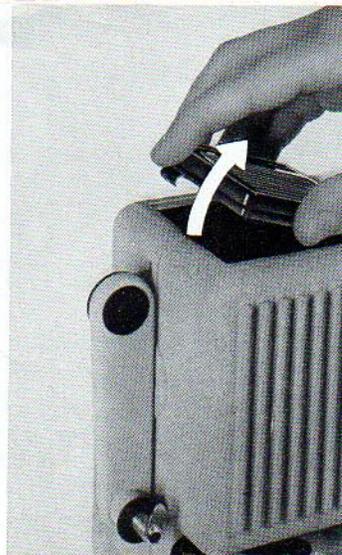


Fig. 7

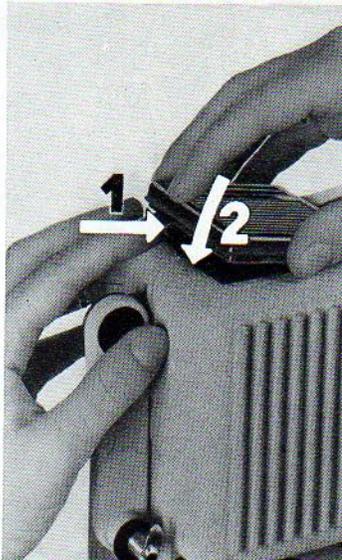
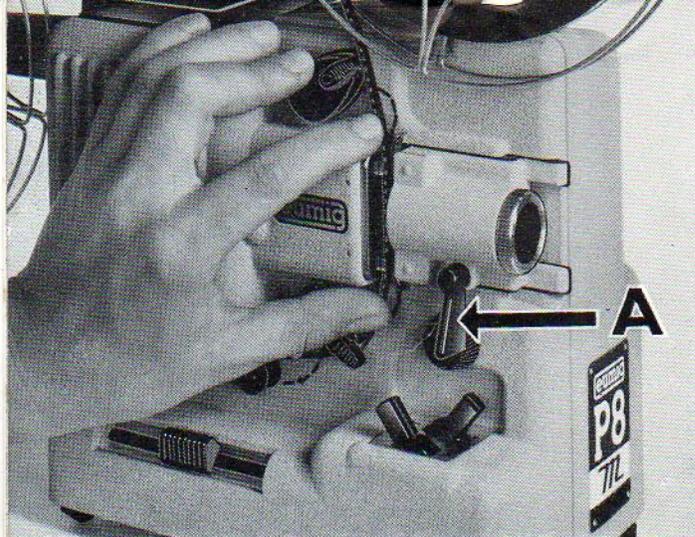


Fig. 8



Threading the film

Having trained your P 8 *m* on the screen and set the projector to the correct height, you can thread the film, with the projector switched off, of course. This is exceptionally easy as the film track is well marked and all parts are easily accessible.

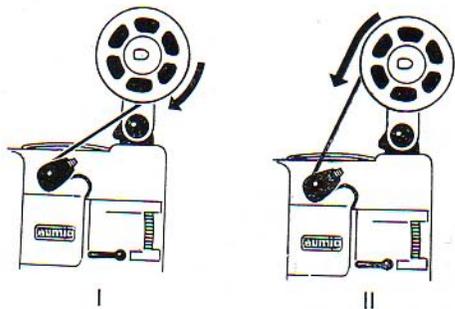
Put the feed spool on the front arm, fix it in position by turning down the spring tongue, and unwind about 18 inches of film. You will no doubt have spliced a leader on to the film. For normal operation it is entirely immaterial whether the film unwinds from the feed spool clockwise or anti-clockwise. The only important factor is to see that the perforations are on the right looking towards the screen from behind the projector. Of course, a film that has been run through the projector must be rewound, otherwise you will project the whole film backwards!

Now open the gate by turning lever A downwards, thread the film (see Fig. 8), and close the gate by moving the lever back. Please do not put the gate-opening lever completely over to the right — this would switch on the rewind mechanism.

Fig. 9 shows how the film is led past the feed sprocket after forming the loop indicated on the side of the pro-



Fig. 9



jector. Pull gently in the direction of the arrow, and the perforations will be engaged by the teeth of the feed sprocket. Lead the film past the take-up sprocket in the same way, pull it gently backwards until the sprocket teeth engage the perforations, then lead it backwards under the guide rolls, and fix to the spool on the rear arm (Fig. 10).

NOTE: Films that have just come from the processors will usually wind off as shown in Sketch I above on their first run through the projector. In this particular case, reverse projection, described on Page 9, is impossible as the film would not be wound on to the forward spool. Only when the film has been run through once normally and subsequently rewound will it come off the spool in such a way (see Sketch II) that reverse projection is possible.

At the rear of the projector is the knob for manual operation of the projector mechanism (Page 1, Fig. 2). This feature enables you to ensure before showing your film to an audience that the claw is transporting the film correctly.

Here we should like to mention the handy EUMIG 400 ft. spools. As you will see from Fig. 11, spring tongues are attached to the cores, and by this simple means the film is held firm.

Fig. 10

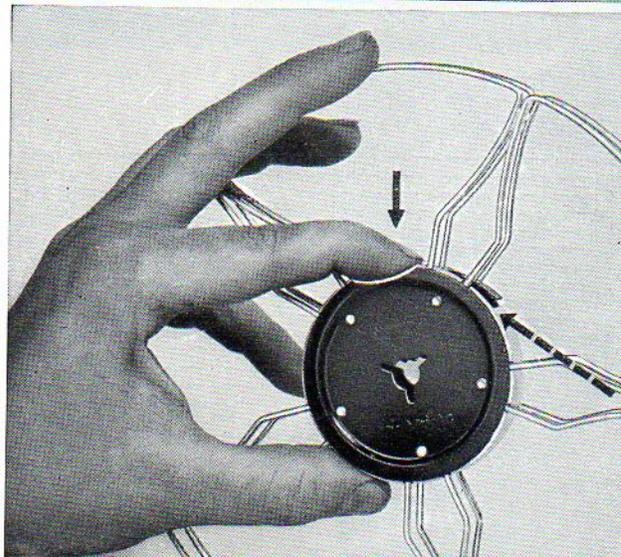
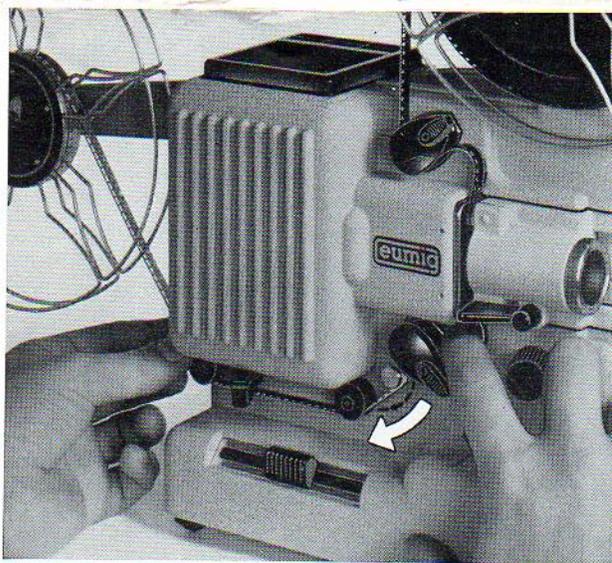


Fig. 11

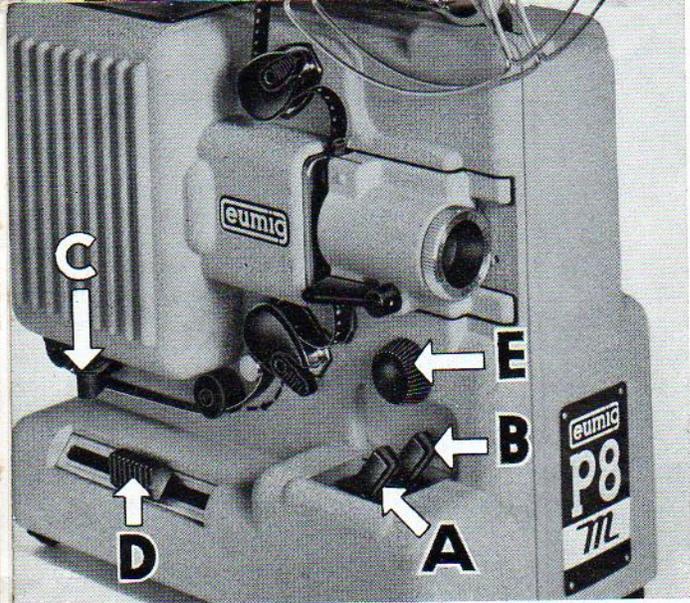


Fig. 12

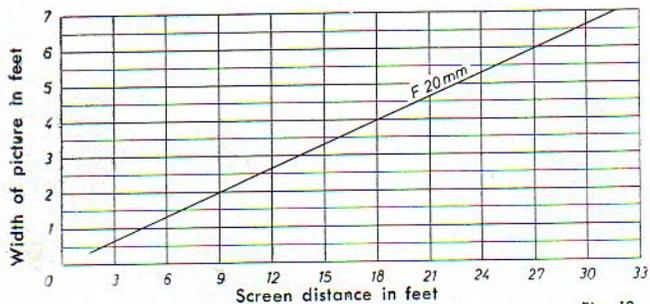


Fig. 13

Projektion

The P 8 *m* is now ready for projection. Switch it on by means of switch A, as shown in Fig. 12 (switch B must be set to "Forward" but lever C must not be set at "Still" — in other words, the settings should be as shown in Fig. 12). The table lamp connected to the projector will immediately go out. Focus the lens as soon as the first images appear by turning the lens mount to the right and left. Adjust the running speed if necessary with the speed regulator D (Fig. 12) until all flicker disappears.

In order to protect the film, a heat-absorption filter is automatically interposed between the lamp and the film when the projector is switched on, remaining in position until the projector reaches normal speed. This filter is also interposed when the speed is regulated to below 10 frames per second.

If parts of two frames are shown on the screen, turn knob E until this fault disappears.

If you are expecting guests, it is advisable to have a trial run to make any necessary adjustments for focus, speed and framing. In a real cinema you do not see the operator's preparations, and you will not wish to bore your guests with threading and such operations but will want to get on with the show.

Then all you need to do is to switch on the projector. After that you can devote your whole attention to seeing that your guests enjoy the film. At the end of the performance you just switch off the projector, and the table lamp will automatically come on again.

As you will often be invited to give a film show at the home of one of your friends, you will wish to know the size of the projected image at various distances, or, to put it in other words, how far away the projector has to be from the screen in order to obtain a picture of a particular size. The table in Fig. 13 shows the relationship between picture size, screen distance, and the focal length of the projector lens.

Reverse projektion

The P 8 *m* has a reverse projection mechanism. In order to change from forward to reverse projection, simply move over switch B (Fig. 14). (You need not switch off the projector beforehand.) The film slows down, stops, and then reverses, and during this brief process a heat-absorption filter is automatically interposed to protect the film from damage. When the film is travelling fast enough, the heat-absorption filter is automatically withdrawn from the light beam.

After switching from forward to reverse projection or vice versa you must readjust the framing.

Still projektion

Still projection is used for observing a single frame of a film. To operate the mechanism, set switch C as shown in Fig. 15. In this case also the heat-absorption filter is automatically interposed, which can be seen by the slight darkening of the projected image. When you operate the still-projection switch, the shutter may stop in front of the aperture plate, thus obscuring the whole image. To correct this, turn knob F (Fig. 16) at the rear of the projector until the frame you desire to see becomes visible. With this knob you can also turn the film backwards or forwards to select a particular frame.

Fig. 14



Fig. 15

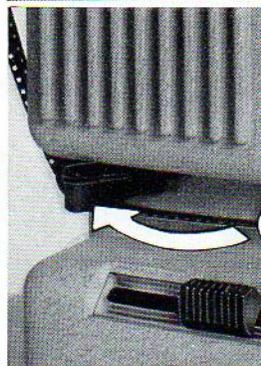
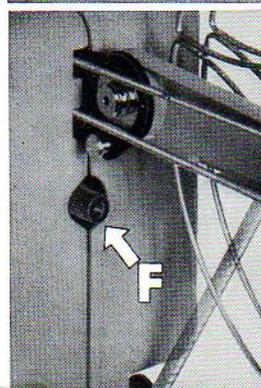


Fig. 16



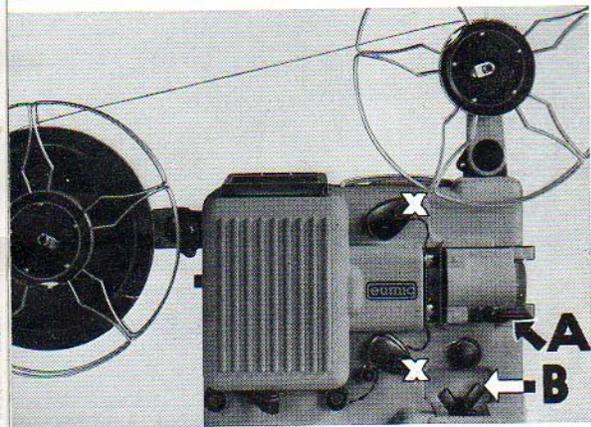


Fig. 17

Rewinding

is a very simple and speedy operation with the EUMIG P 8 *m* as the projector has power rewind. You will find this a great blessing with the large 400 ft. reels.

If the trailer has not completely run through, open the gate by moving the lever downwards, remove the film gently from the film channel and disengage it from the feed and take-up sprockets by pressing at the spot marked X (Fig. 17). Lead the film directly from the rear to the forward spool and fix it to the latter. Turn lever A as far forward as it will go, which couples up the rewind mechanism, and the film will be rewound quickly. When rewinding is almost complete, it is advisable to reduce the speed by means of the motor speed regulator. For rewinding, switch B must be set to "Forward". If you have set it to "Reverse" by mistake and switched on the rewind mechanism, the projector motor will run, but the forward spool will not revolve.

Care and maintenance of the P 8 m

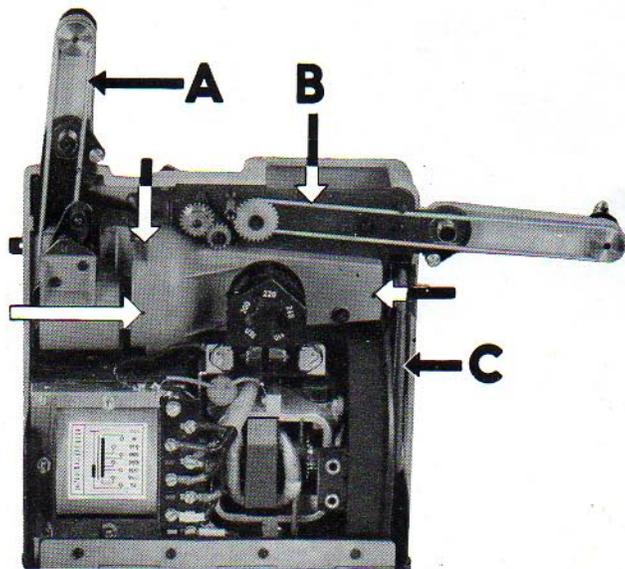


Fig. 18

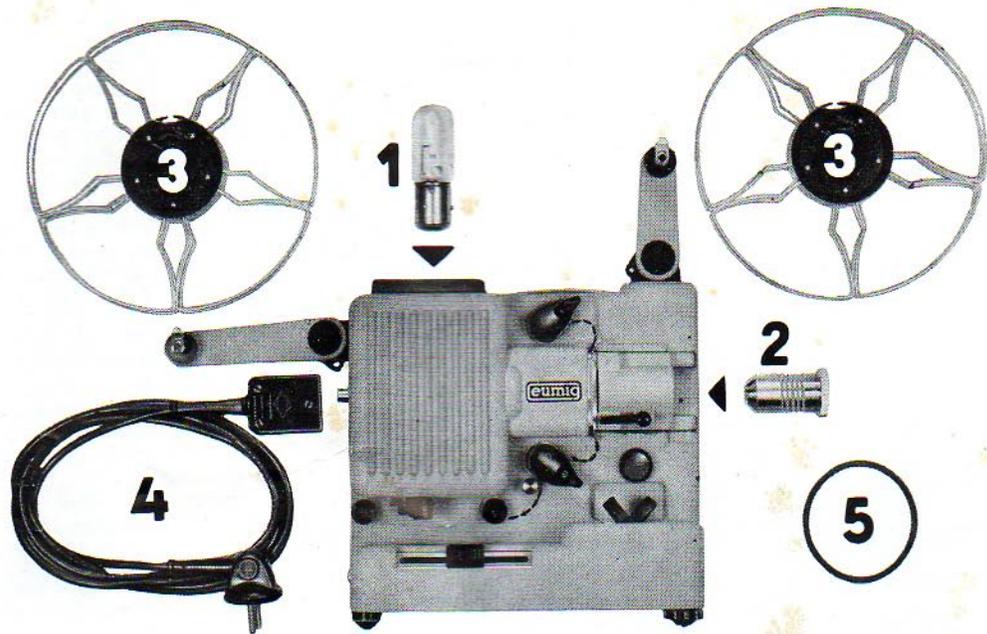
Keep the projector scrupulously clean, especially those parts that come into contact with the film. To facilitate cleaning the gate, the lens mount can be swung out to the right by turning the gate-opening lever — first disconnect the mains lead! Both the gate and the interchangeable lens must be cleaned from time to time with a soft cloth or brush. Any dirt or film dust should be removed from the gate with a wooden skewer or some such object. Please do not use any metal object for this purpose — it would scratch the gate and thus damage your films.

Oil the projector regularly after every 25 hours' operation (only one drop per oiling point!). We recommend the use of an oil free from any acid or residues, of medium thickness, such as Shell X 100/50. Loosen the locking screw (Page 1, Fig. 2), open the projector lid, and the oiling points are accessible. The oiling points, indicated by arrows in Fig. 18 are marked on the projector with red dots. Do not oil the motor or spool axle bearings — they have been life-lubricated by us and do not need any further attention.

Care should be taken that the rubber drive belts and motor carbons do not become contaminated with oil. The latter can easily be removed for cleaning, if necessary. Simply loosen the screw of the lower carbon on the base of the projector with a coin.

If you should have occasion to replace one of the wire drive belts A or B, first of all put the gate-opening lever as far over to the right as it will go, as if you were going to rewind.

To replace the rubber drive belt C, first set the still projection lever to "Still". You can now fit the belt, putting it first over the upper and then over the lower roller.



Supplied with your EUMIG P 8 *m*

1. Projection lamp
2. EUPRONAR $f/1,4$ 20 mm. lens
(or EUPRO $f/1,6$ 25 mm. lens)
3. Two EUMIG 400 ft. wire spools
4. Mains lead
5. One spare rubber drive-belt

... and now we wish you many hours of pleasure
with your EUMIG P 8 *M*!

eumig · wien · austria

