# INSTRUCTIONS

# CAMERA KIT

CAMERA KIT NO. 01-1000

This kit contains : One CANONET-28 35mm EE camera  SL No. _____
                   One CANONET-D flash unit.        SL No. _____
                   One canvas carrying bag.
                   One chamois leather cleaning cloth.
                   One packet rubber bands.
                   One instruction manual.

IMPORTANT POINTS TO REMEMBER WHEN USING THIS CAMERA
TO MAKE FILMSTRIPS :

Use Kodak PLUS-X film or equivalent rated at 125 ASA.

Set the camera film speed setting lever at 320 ASA i.e. between 200
and 400 (see page 13, CANONET-28 instruction Manual.)

When shooting outdoors, indoors or at night, set the aperture ring
at "A" (see page 14, CANONET-28 Instruction Manual).  The camera
will then make correct exposures automatically.  If there is not enough
light to take the picture, or if you have forgotten to remove the lens cap,
the shutter button will lock.  (See page 16, CANONET-28 Instruction Manual)

If the shutter locks, use the flash unit.  The flash will work well if your
subject is 5-15 feet away.  If closer or further than this, the shutter
will lock.  If you need to take flash-lit pictures of a subject further than
15'away, set the aperture ring at 2.8

When photographing titles or making close-ups with the Copy Stand, set
the aperture ring at 5.6 and use the Reflector and flash unit.  Set the
focussing ring at 0.8 metres.

When printing a filmstrip, set aperture ring at "A" and focussing
ring at 0.8 metres.

Never touch the glass of the camera lens or the lens attached to the Copy
Stand.  Keep the camera lens covered with its lens cap.  Replace the
mercury battery once a year (see page 6, CANONET-28 Instruction Manual)
A spare battery is provided with each Filmstrip Production Kit.

When rewinding your film after you have taken 36 pictures, it is
important that you STOP TURNING the rewind knob as soon as you feel
the film disengaging inside the camera.  This will ensure that the
tail of the film does not disappear inside the cassette.  TO MAKE SURE
OF THIS, watch the RED indicator at the back of the camera as you
rewind (see page 22 of the CANONET-28 Instruction Manual).  STOP
rewinding as soon as the red indicator stops moving.

After removing the cassette from the camera, bend the tail of the film
backwards around the cassette and secure it with a rubber band.  This
will identify your film as exposed and will prevent it from getting mixed
up with your unused film.

# INSTRUCTIONS

# COPYING KIT

COPYING KIT NO: 01-20000

This Kit contains :
|  |  |  |
|---|---|---|
| One Copy Stand | | Sl. No |
| One Reflector | | Sl. No |
| One Clip-Board | | Sl. No |
| One Canvas Bag | | Sl. No |
| One Negative Storage File | | Sl. No |

INSTRUCTIONS FOR USE

Open Copy Stand.  See Fig. 1

Remove Clip-board strapped to the underside of the copy stand

Remove camera from its case.  Set camera controls as follows:

Aperture ring: 5.6
Focussing ring: 0.8 metres

Attach Camera to copy stand.  See Figs. 1 & 2

Attach Flash to Reflector, and Reflector to Camera.  See Fig. 3

Place copy stand frame over material to be photographed.
Switch on flash.
When flash ready lamp lights up, take the photograph.

There is a stock of white paper with the Clip-board.  Use this
for making titles, charts, drawings, etc.


NOTE:

THIS CAMERA HAS A SLIGHTLY SMALLER FIELD OF VIEW THAN THE
FRAME OF THE COPY STAND.  THEREFORE , BE SURE TO LEAVE AT
LEAST 6MM ($\frac{1}{4}$ INCH) BORDER WHEN MAKING TiTLES OR FRAMING
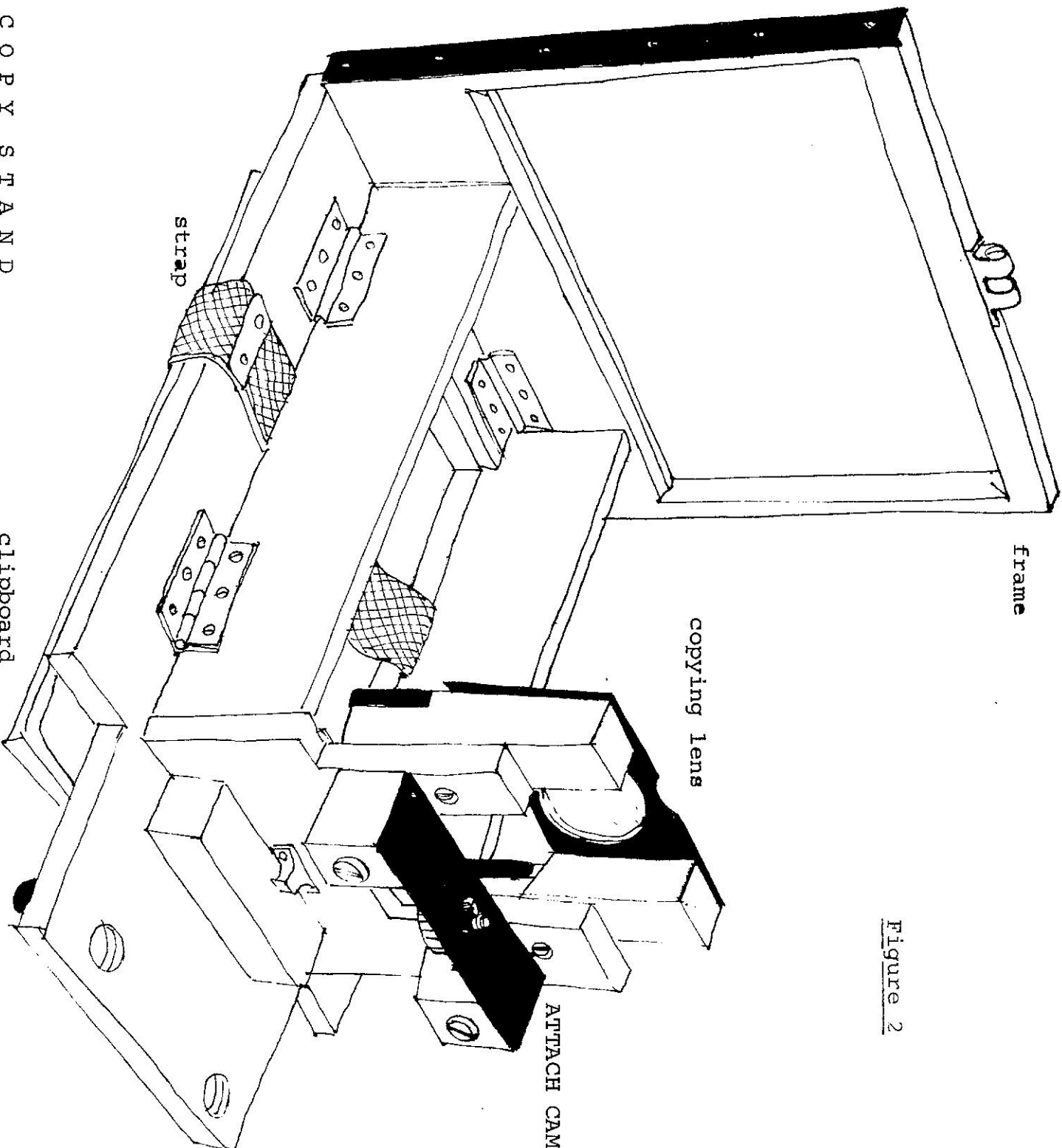A CLOSE-UP SHOT.

Figure 1
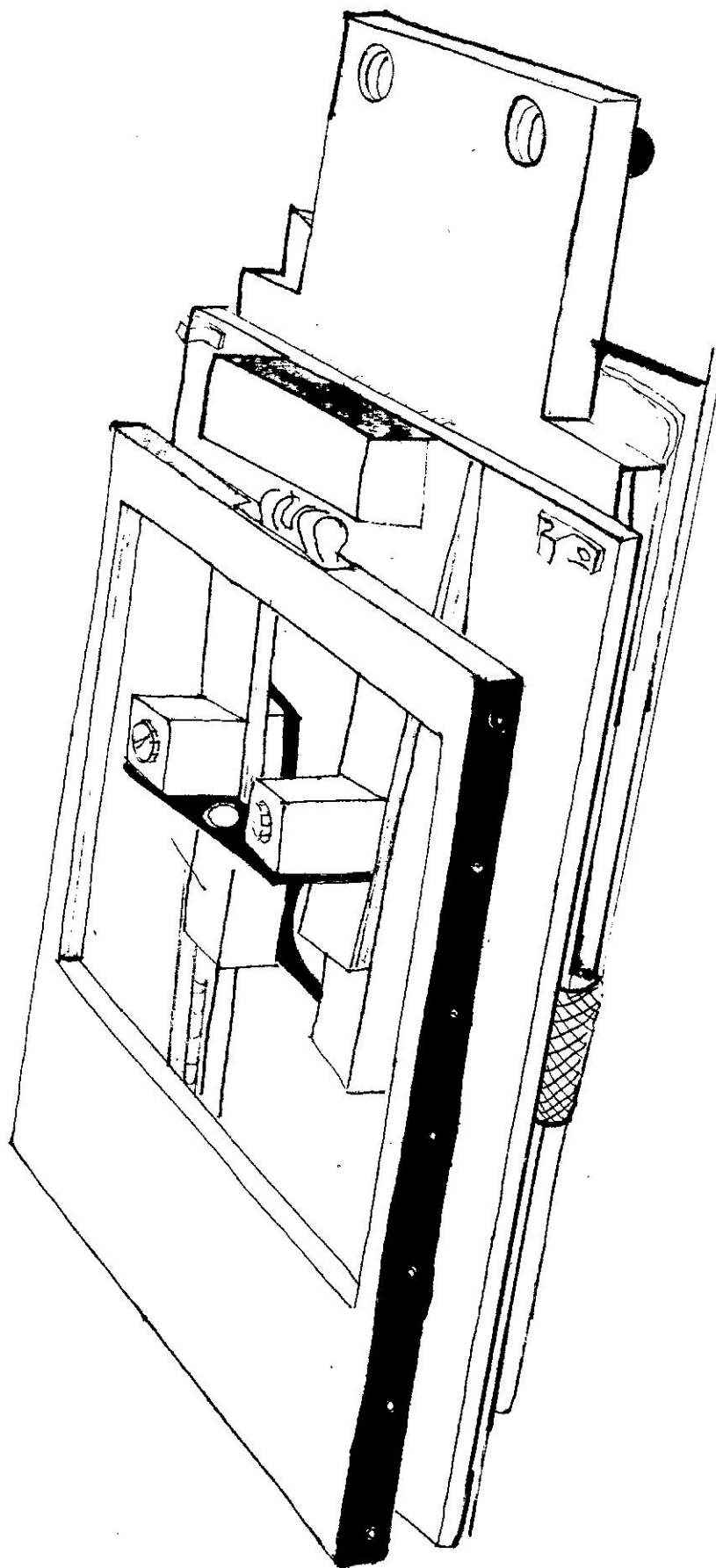
FOLDED COPY STAND

strap

clipboard

frame

copying lens

ATTACH CAMERA HERE

Figure 2

COPY STAND IN USE

camera

flash

reflector

page being copied
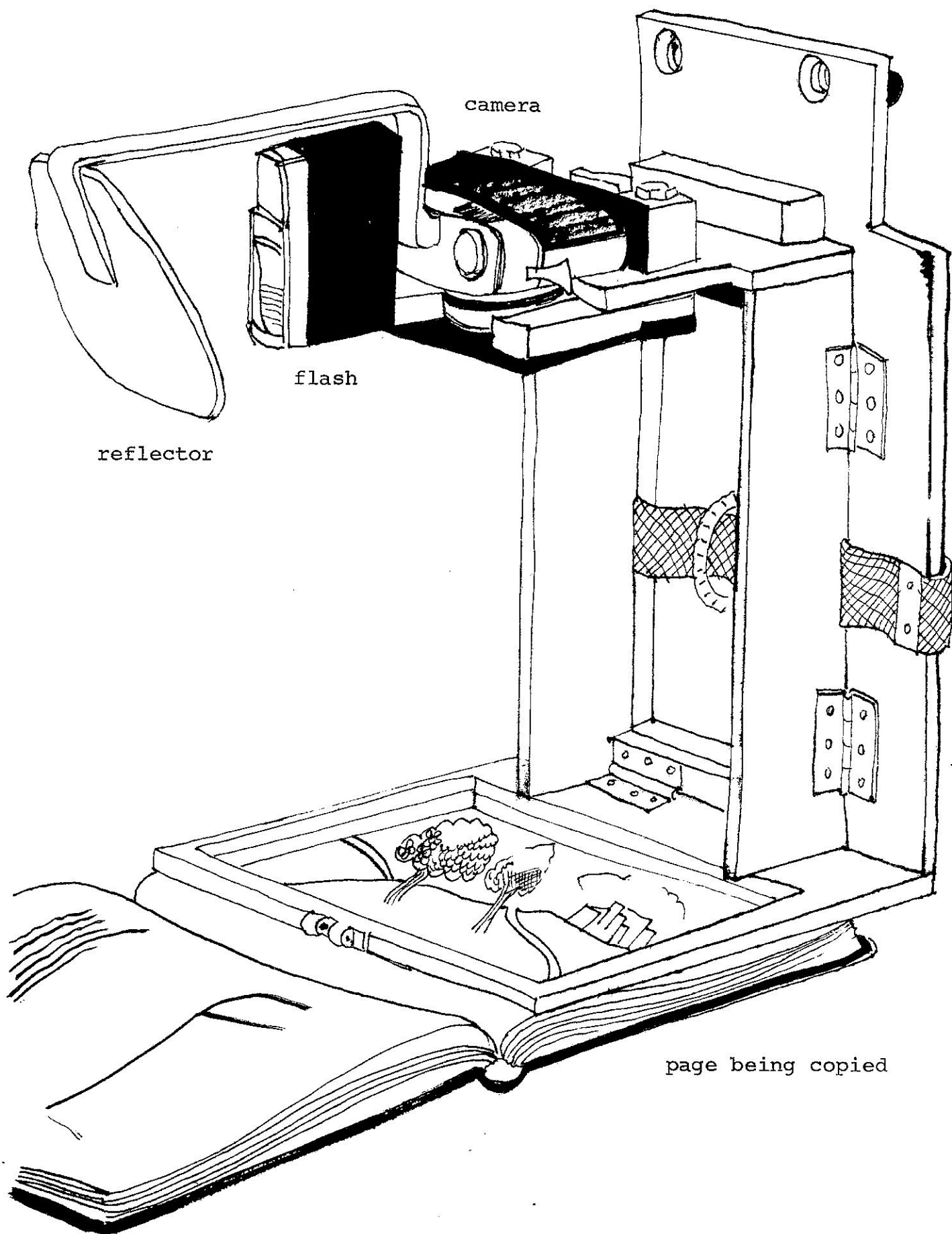
Figure 3

# INSTRUCTIONS

# PROJECTOR KIT
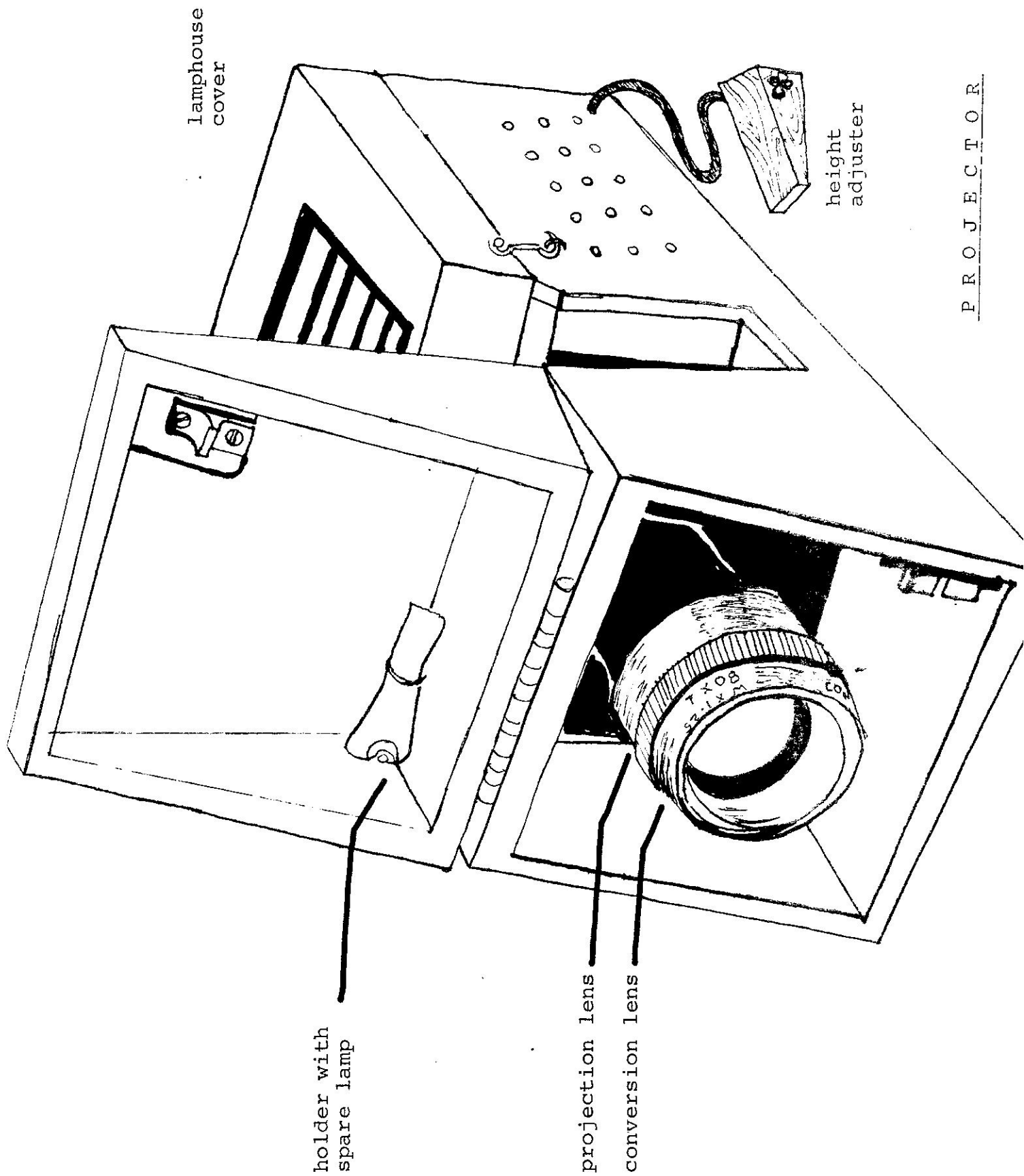
lamphouse
cover

height
adjuster

holder with
spare lamp

projection lens

conversion lens

P R O J E C T O R

PROJECTOR KIT NO. 01-40000

This Kit contains:        One filmstrip and slide projector.        SL. No.
                          One Filmstrip carrier.                    SL. No.
                          One carrying case with AC mains units.
                          One battery cable.
                          One spare projection lamp 12V/100 watts
                              (Philips Type 7023)

## HOW TO CONNECT THE PROJECTOR

The projector works on AC mains as well as on a 12/volt battery.

## FOR AC MAINS (220 VOLT) OPERATION

Remove projector from case.  Plug projector cord into socket on
side of projector case.  (See Fig. 1)

Inside the case is a small compartment with a hinged cover, containing
the AC mains cord (about 6 metres long.)  Uncoil this cord and connect
it to the AC mains.

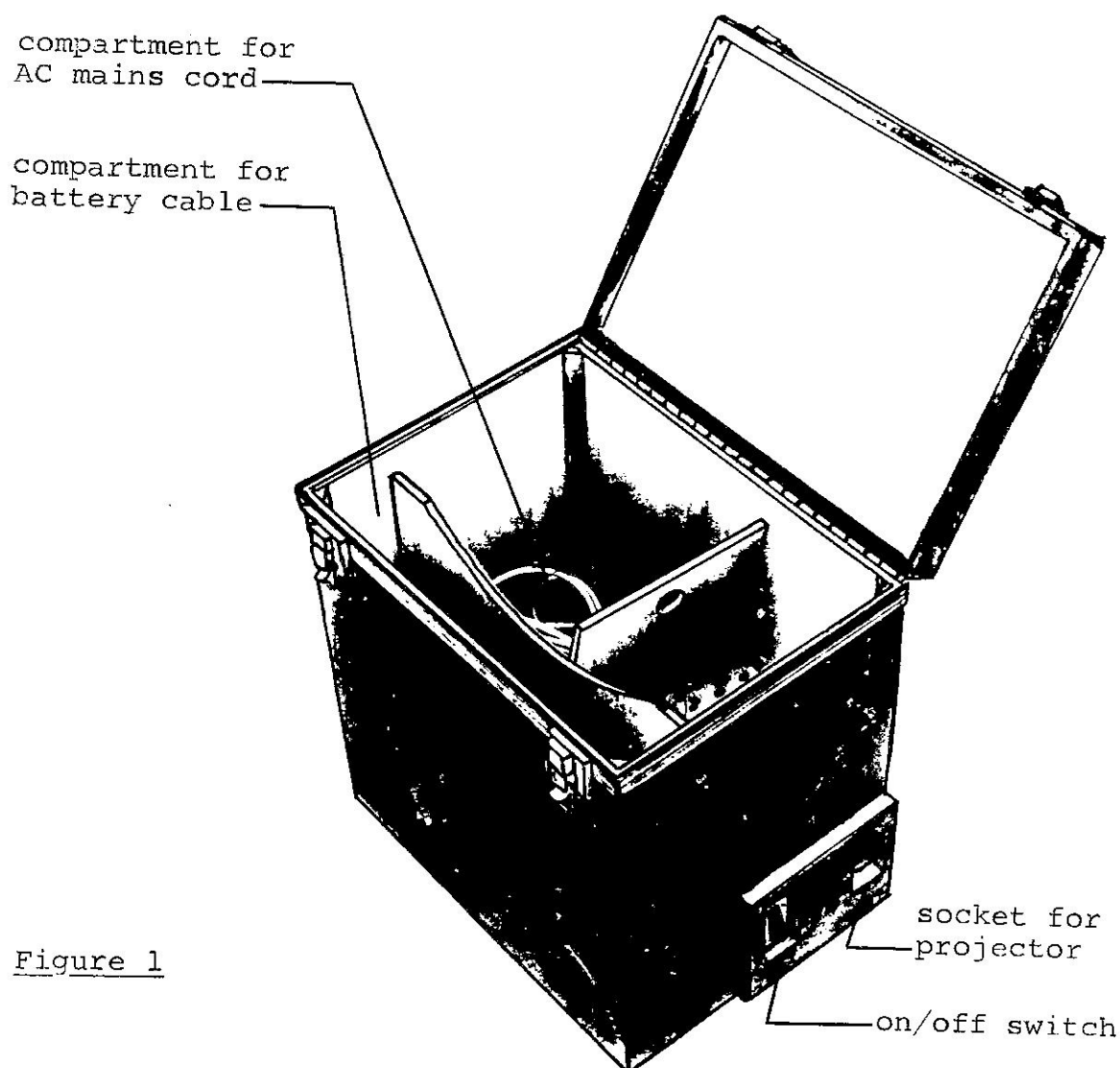Switch on projector with the switch on side of projector case.

compartment for
AC mains cord

compartment for
battery cable

Figure 1

socket for
projector

on/off switch

## FOR BATTERY OPERATION

You can connect the projector to any heavy-duty 12-volt battery
such as installed in cars, jeeps, trucks and tractors.

Take out the heavy, colored battery cable from projector case.

Connect cable to the projector cord. The other end of the cable
has two clips. Open the bonnet of the vehicle. Attach clips to the
(+) and (-) terminals of the battery. See Fig. 2.

Switch on projector with switch attached to battery cable.

Figure 2.

vehicle
battery
—terminals

—ATTACH CLIPS TO TERMINALS

projector

—on/off switch

—CONNECT

——battery cable
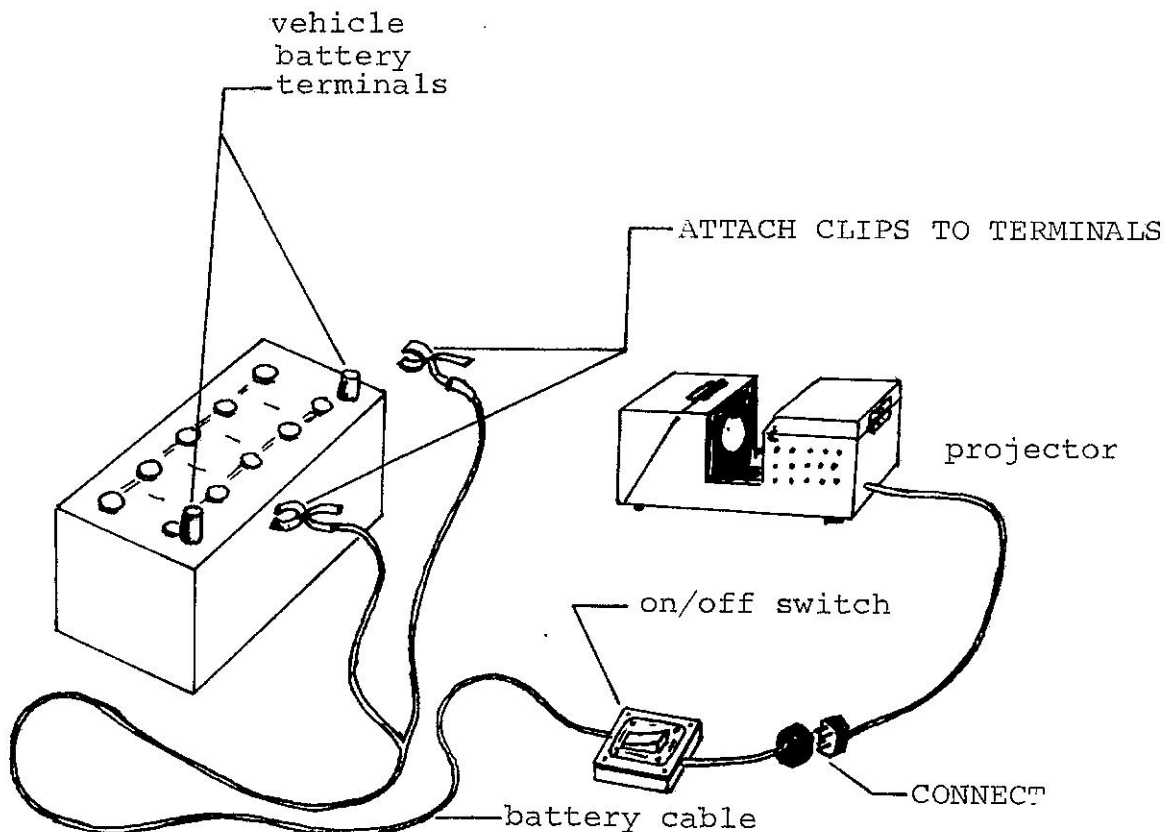
## HOW TO USE PROJECTOR TO PRINT YOUR FILMSTRIP

After editing, all your negatives are to be mounted in slide mounts and numbered in the correct sequence. These individual slides are then to be made, or 'printed', into a continuous filmstrip positive that can be projected to an audience.

To do this, each negative frame is projected in succession on a small screen attached to the copy stand frame. The projected images are successively photographed with the camera, using the same film that was used for the negatives. The result, after developing, is your filmstrip, ready for projection.

Open the copy stand. Attach the clip board with a few sheets of clean white paper to the copy stand frame. Extra sheets of paper are provided with each Kit.

Load a fresh roll of film in the camera. Set the camera aperture ring at "A", focussing ring at 0.8 metres, film speed setting at 320 ASA and attach the camera to the copy stand.
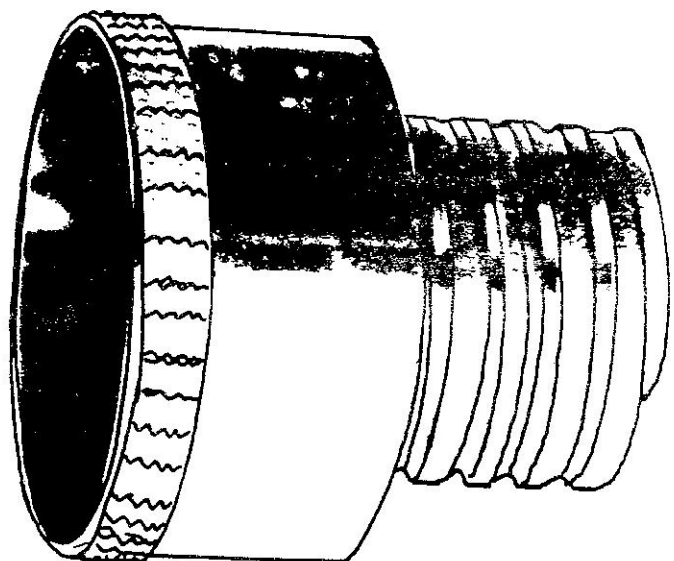
Check that the projector's conversion lens, which is screwed into the front of the projection lens ( see Fig 3) is in the correct position for printing, i.e., the marking "W x 1.25" engraved on the lens should be visible in the front. If not, unscrew and reverse conversion lens.

Figure 3.
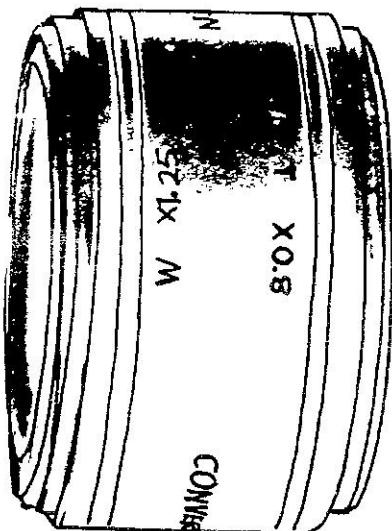
CONVERSION LENS                    PROJECTION LENS

IMPORTANT

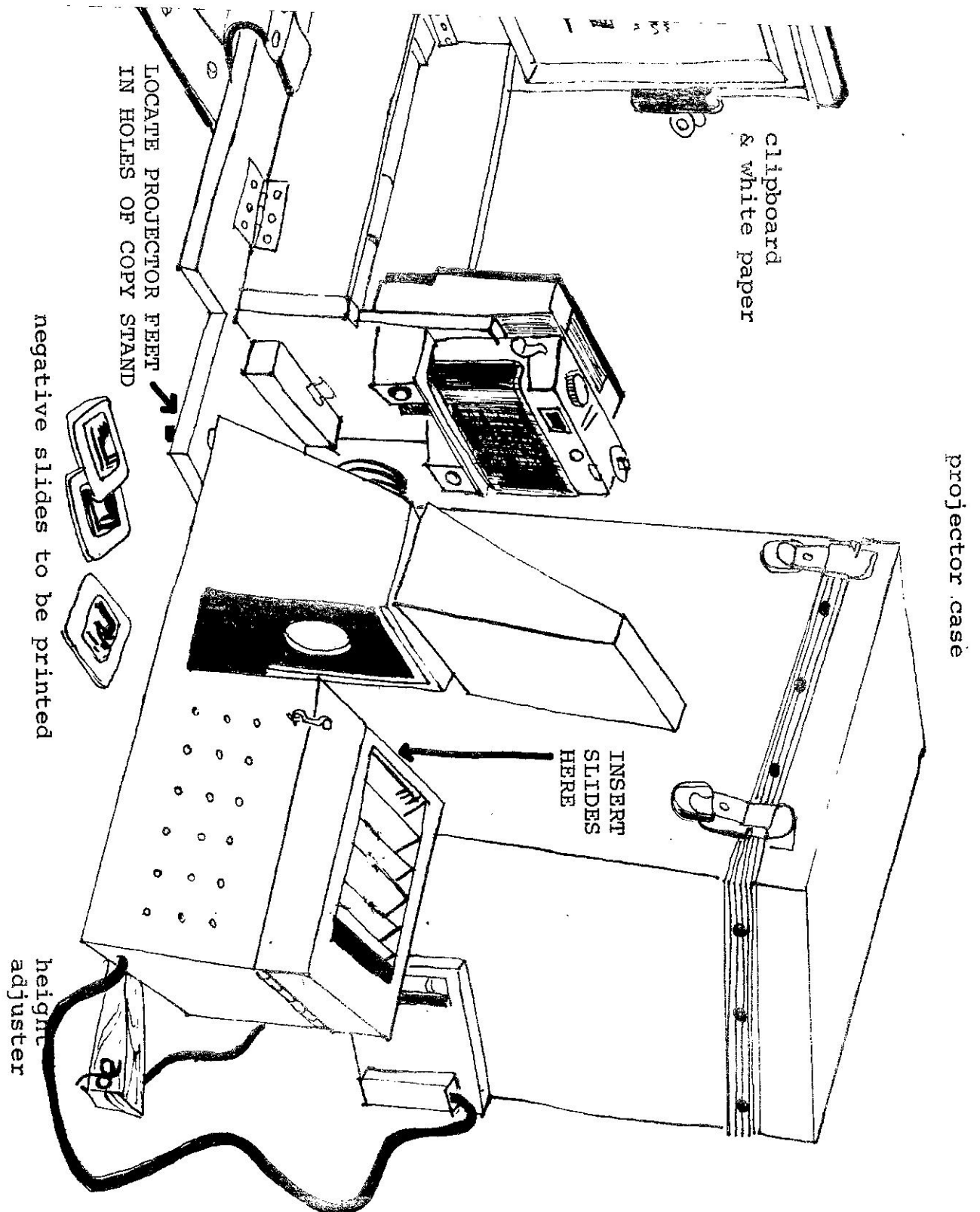See also Supplementary Page (page 13) for additional
instructions.



Figure 4   PRINTING A FILMSTRIP

LOCATE PROJECTOR FEET
IN HOLES OF COPY STAND

negative slides to be printed

height adjuster

INSERT SLIDES HERE

clipboard & white paper

projector case

## HOW TO USE PROJECTOR TO PROJECT FILMSTRIPS

Before projection, the filmstrip must be loaded into
the filmstrip carrier provided with the projector.
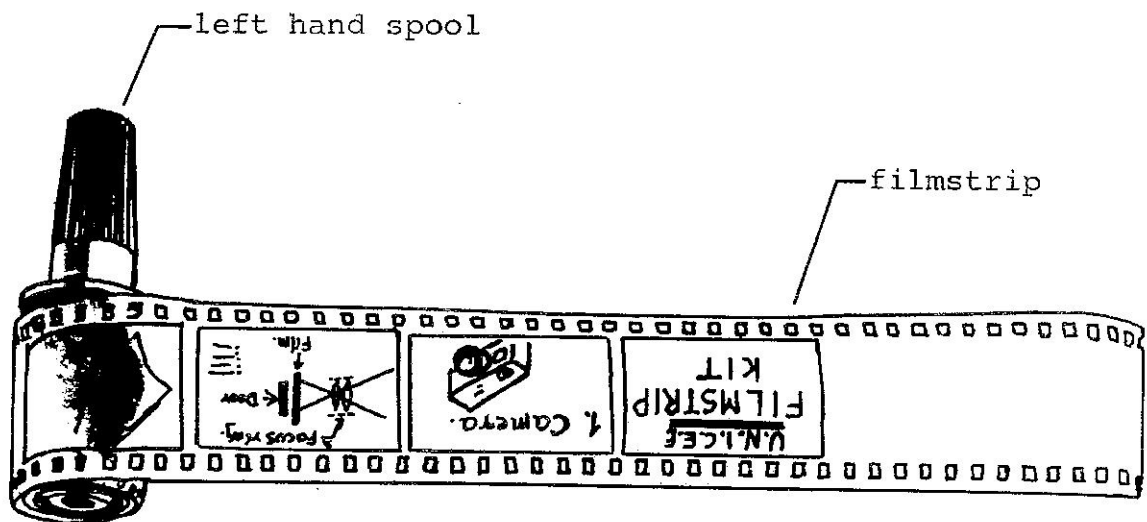The filmstrip carrier is illustrated below. (Fig. 5)

Figure 5
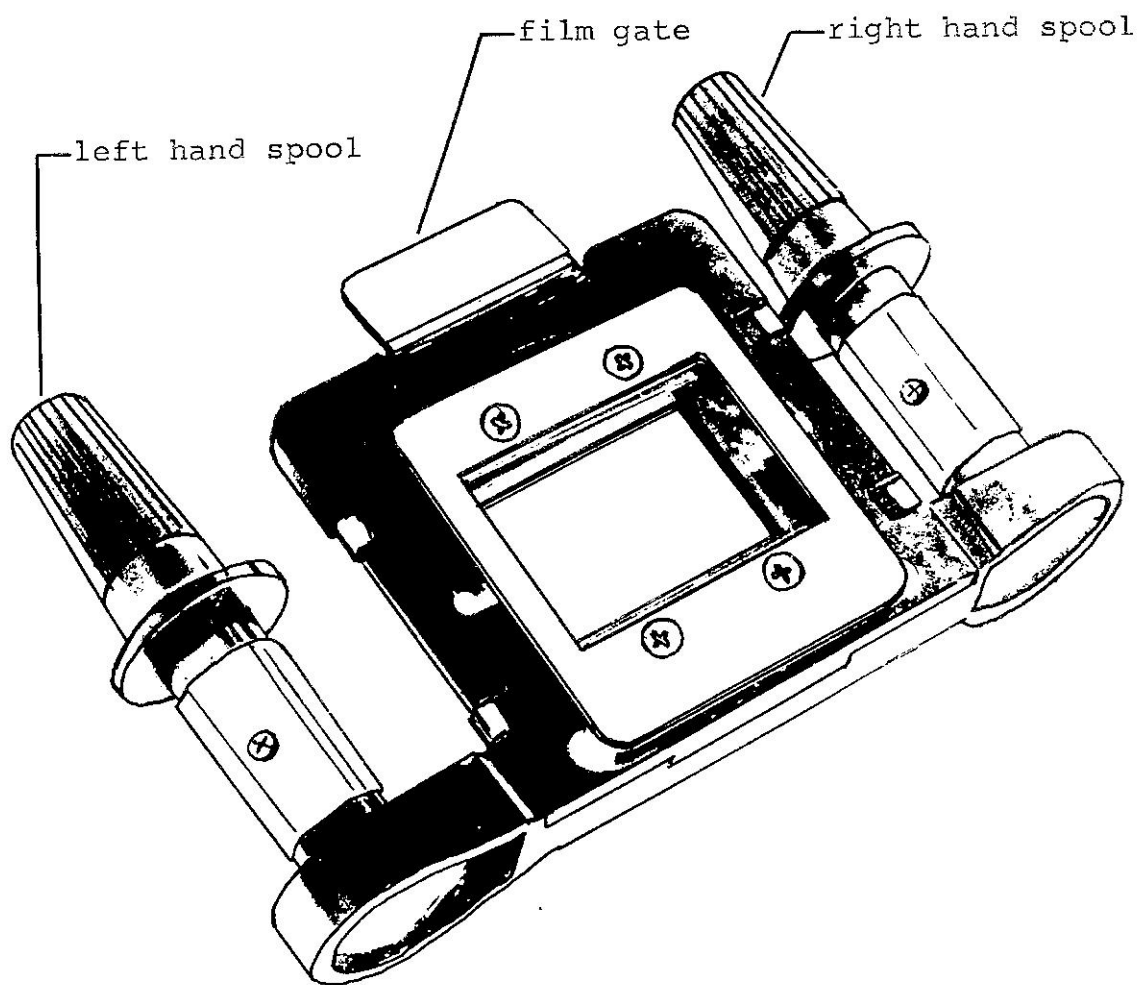
Pull left hand spool off filmstrip carrier. Wind filmstrip onto spool -- <u>end first,</u> as shown in Fig. 6.
The film must be -

**upside down;**
beginning outside; and
shiny side out.

Figure 6



—left hand spool

—filmstrip

Put left hand spool with the film wound round it, back onto
filmstrip carrier. See Fig.7. Open film gate. Attach
beginning of filmstrip to right hand spool by means of
clip attached to spool. Close film gate. Turn right hand
spool to advance film until frame No.1 is visible in gate.
Now filmstrip carrier is ready to be attached to projector.

Figure 7.



left hand spool

right hand spool
TURN TO ADVANCE FILMSTRIP

clip

film gate
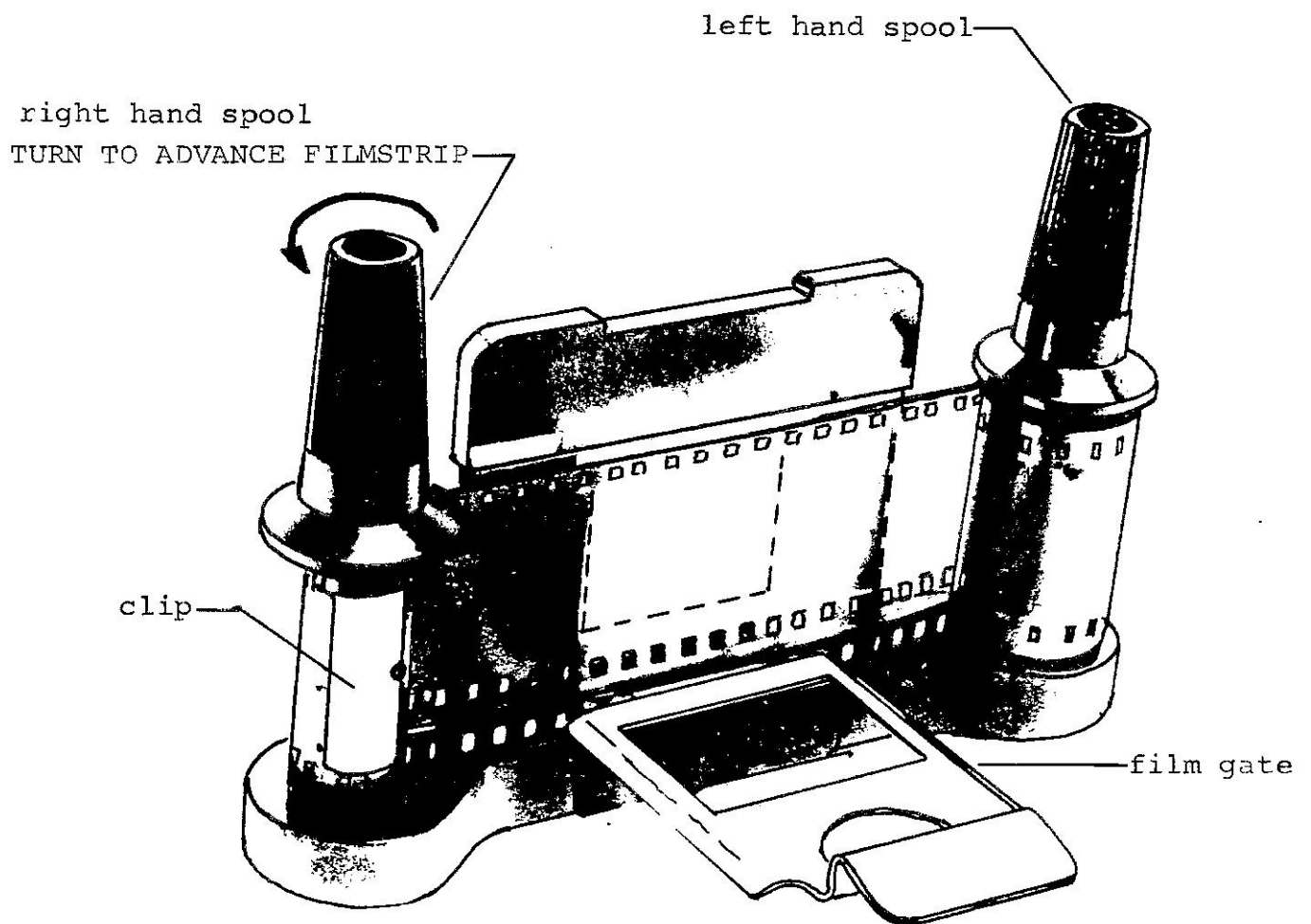
Reverse projector's conversion lens so that the marking "T x 0.8" engraved on the lens is in front.

Insert loaded filmstrip carrier into p rojector. Switch on, focus and adjust image height. The projector should be placed 3 to 6 metres from the screen, which may be made from a large sheet of white paper or white cloth. Advance the filmstrip frame-by-frame by slowly turning right hand spool, and pausing at each frame.

After showing the filmstrip, remove filmstrip carrier from projector, open gate and rewind filmstrip back onto left hand spool. Pull filmstrip roll off spool, secure with rubber band and store in plastic can.

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## HOW TO REPLACE AND ADJUST PROJECTION LAMP

The projector uses a 12-volt 100-watt miniature quartz-halogen lamp which has an average life of 50 hours. It is made by Philips, Osram and others, and is designed as Type 7023. It costs around US$4.00 each.

The lamp's life span can be extended if the following precautions are taken:

Never touch the lamp with bare fingers. _Always_ handle it with a dry handkerchief, piece of paper, or plastic.

As far as possible protect the projector against bumps, knocks and vibration.

Avoid moving or jarring the projector when lamp is lit or while still hot.

To replace fused lamp, open lamphouses cover, as shown in Fig.9.

Figure 9.
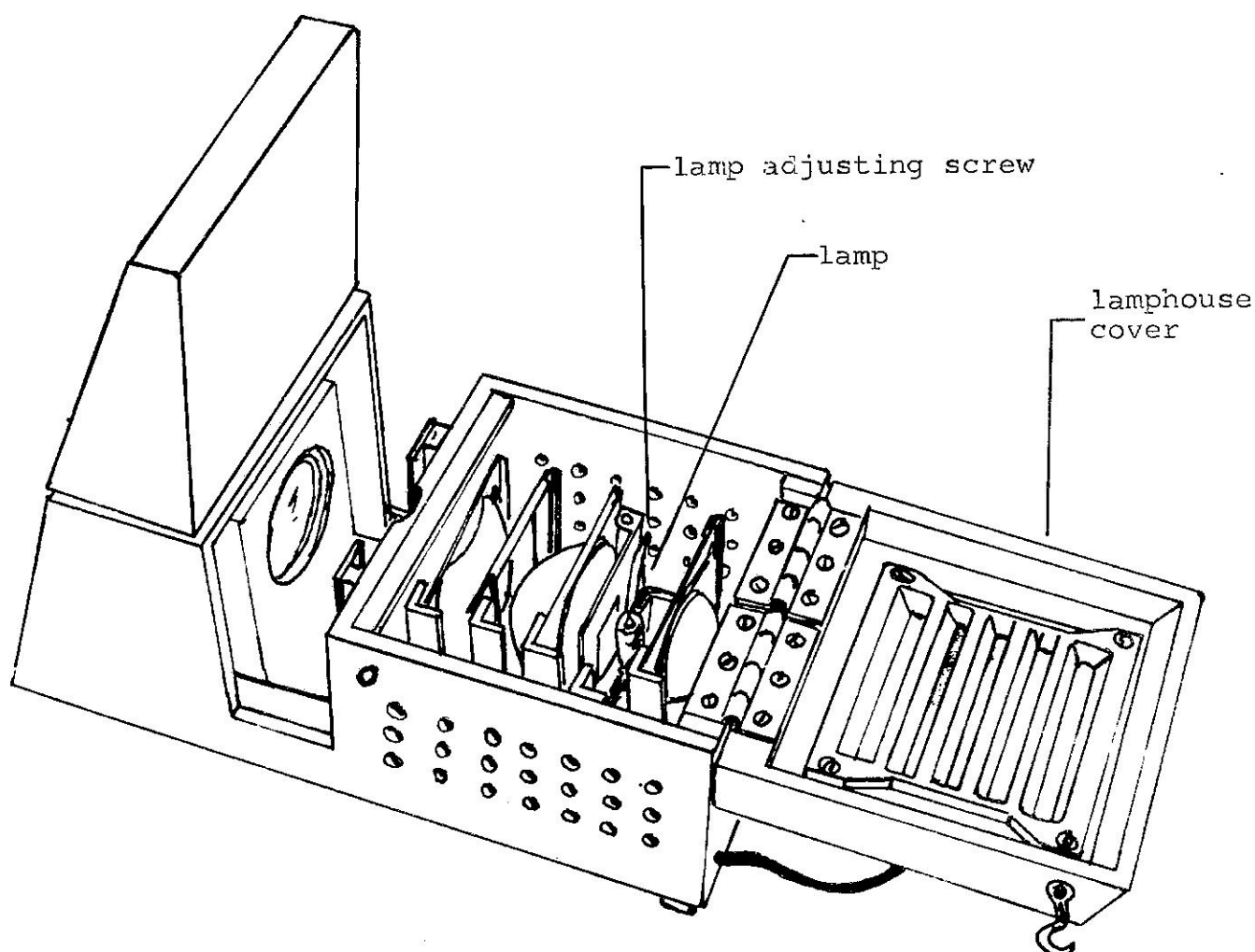
Wait for fused lamp to cool, then using a handkerchief
(or the chamois leather cloth from the Camera Kit) remove
lamp from projector by pulling upwards out its socket.

Take spare lamp from holder attached to inside of projector's
front cover. Holding lamp with its plastic cover, (never touch
lamp with bare fingers), insert lamp into socket in projector.
Push downwards as far as it will go. Remove plastic cover.

Switch on projector without a filmstrip or slide in it, in front
of a screen. Adjust screw knob at side lamp to obtain the
brightest and most evenly-lit illumination possible. CAREFUL -
do not burn your fingers! Use a small screwdriver if available.

With chamois leather cloth from Camera Kit, clean lenses inside
lamphouse.

Periodically clean all lenses with the chamois leather cloth.
Wipe gently, never rub as this will scratch the highly polished
glass surface.

Always keep a spare projection lamp handy. Make sure a spare
lamp is kept in its holder inside the projector's front cover.

IF YOU HAVE A PROBLEM IN CONNECTION WITH THE USE OF
YOUR KIT, PLEASE GET IN TOUCH WITH:

Supplementary page.

SELECTOR KNOB

There are two metal knobs protruding from the projector, one
on each side.  These can be moved backwards and forwards to
two positions.



Knob, one each side
of projector.
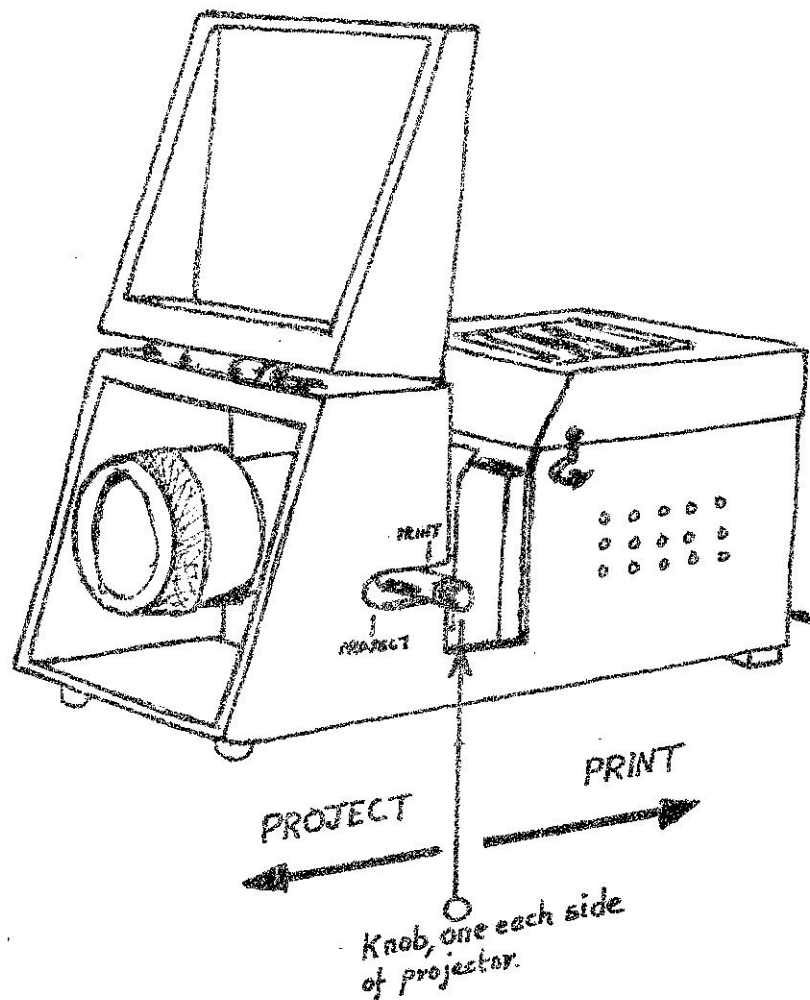
TO PRINT, or to project slides, move knobs backward, using both
hands.

TO PROJECT FILMSTRIPS, move knobs forward, using both hands.

# HOW TO EDIT THE FILMSTRIP

**DO NOT TOUCH THE SURFACE OF THE NEGATIVES. NEVER ALLOW DUST TO COLLECT ON THE NEGATIVES.**

OPEN A BOX OF 50 SLIDE MOUNTS
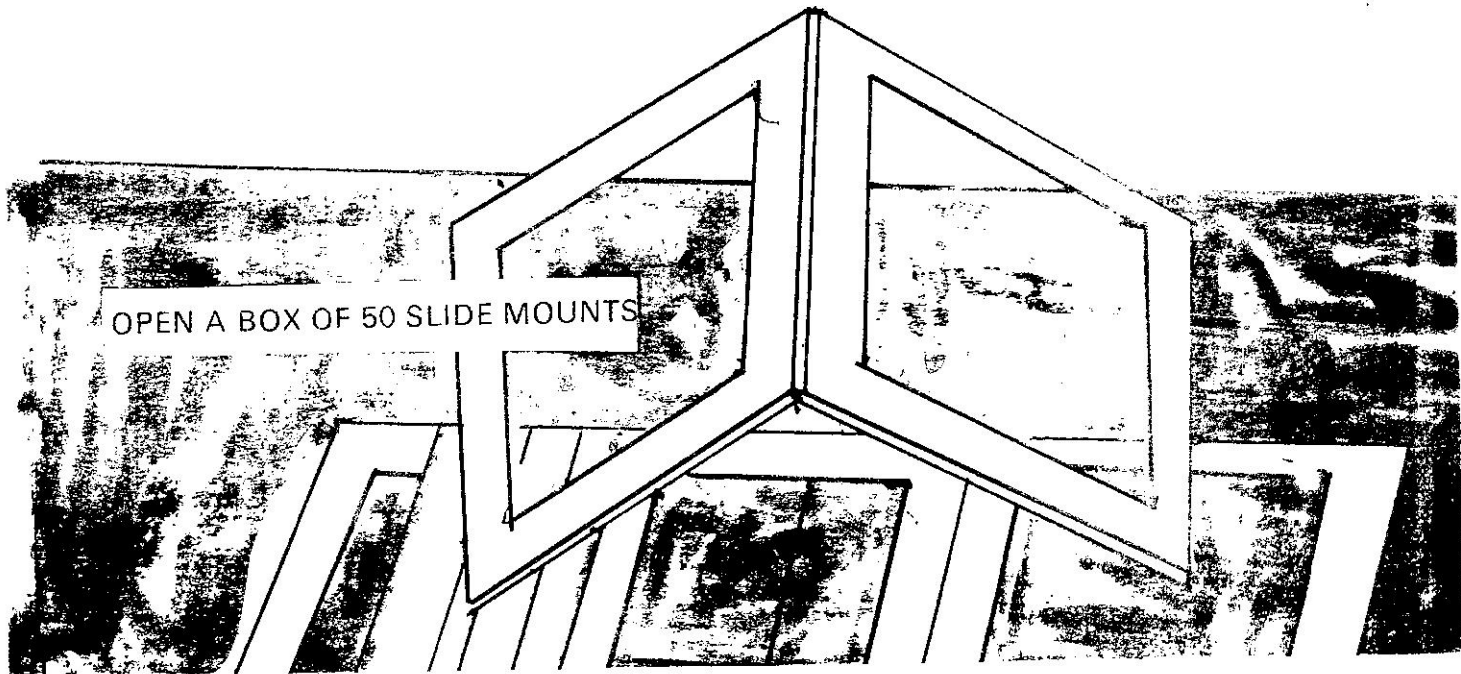
Hold the dried strip of negative and with a pair of scissors carefully cut into separate frames, work on a sheet of clean paper. Hold the film by its edges. Do not touch the surface of the film with your fingers.
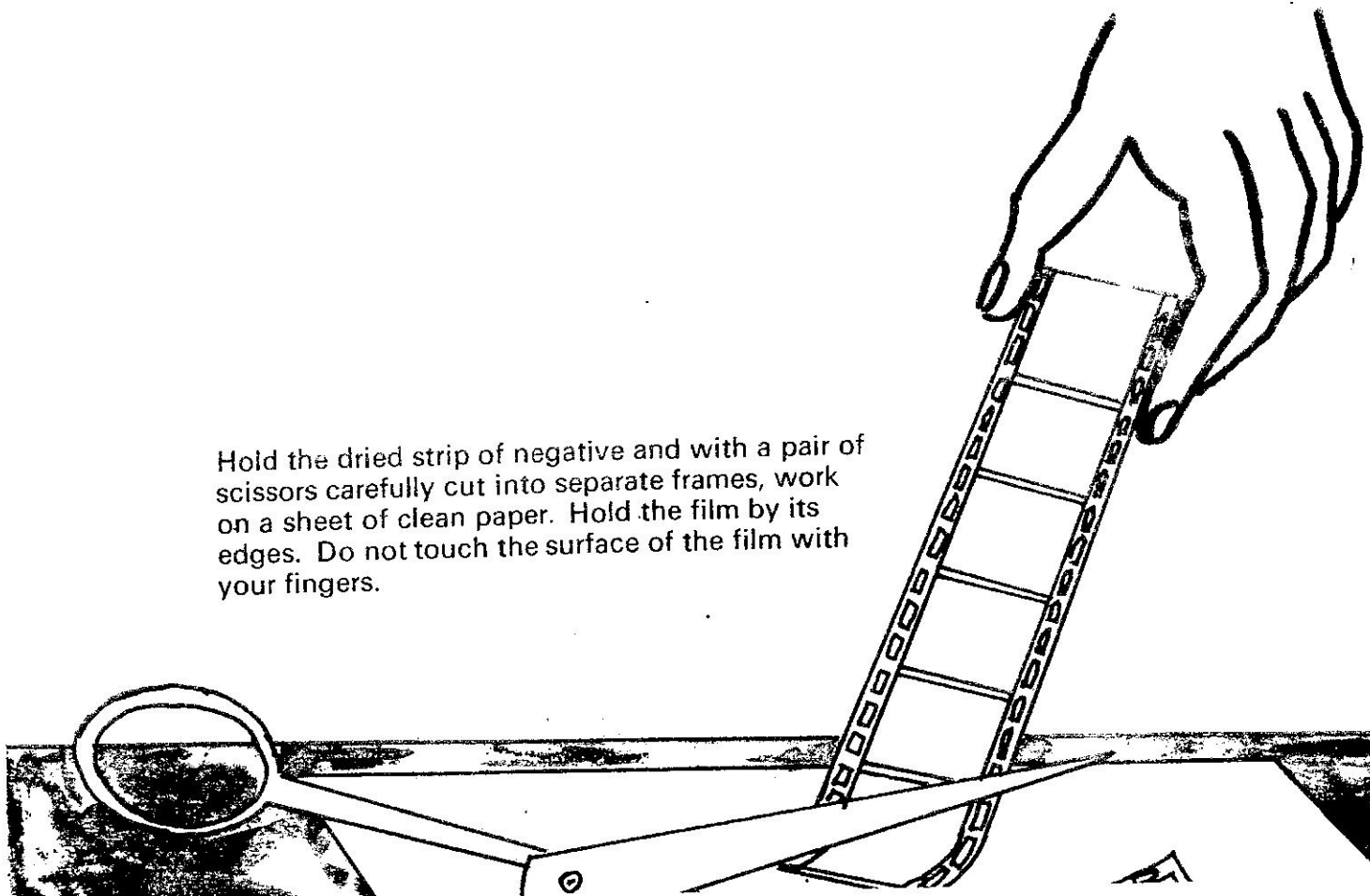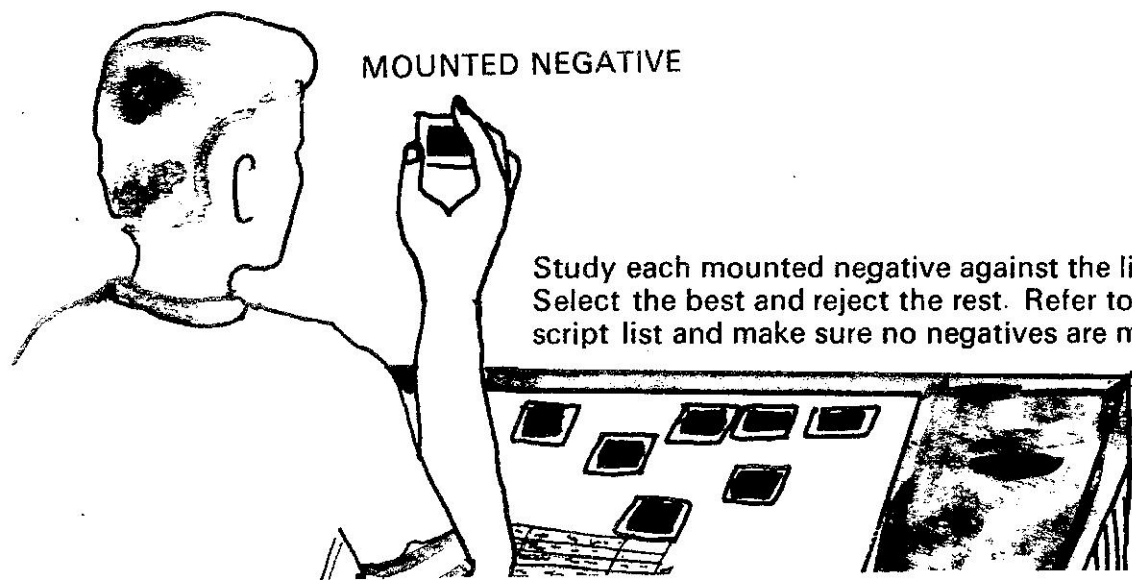
FOLD TOGETHER AND PRESS
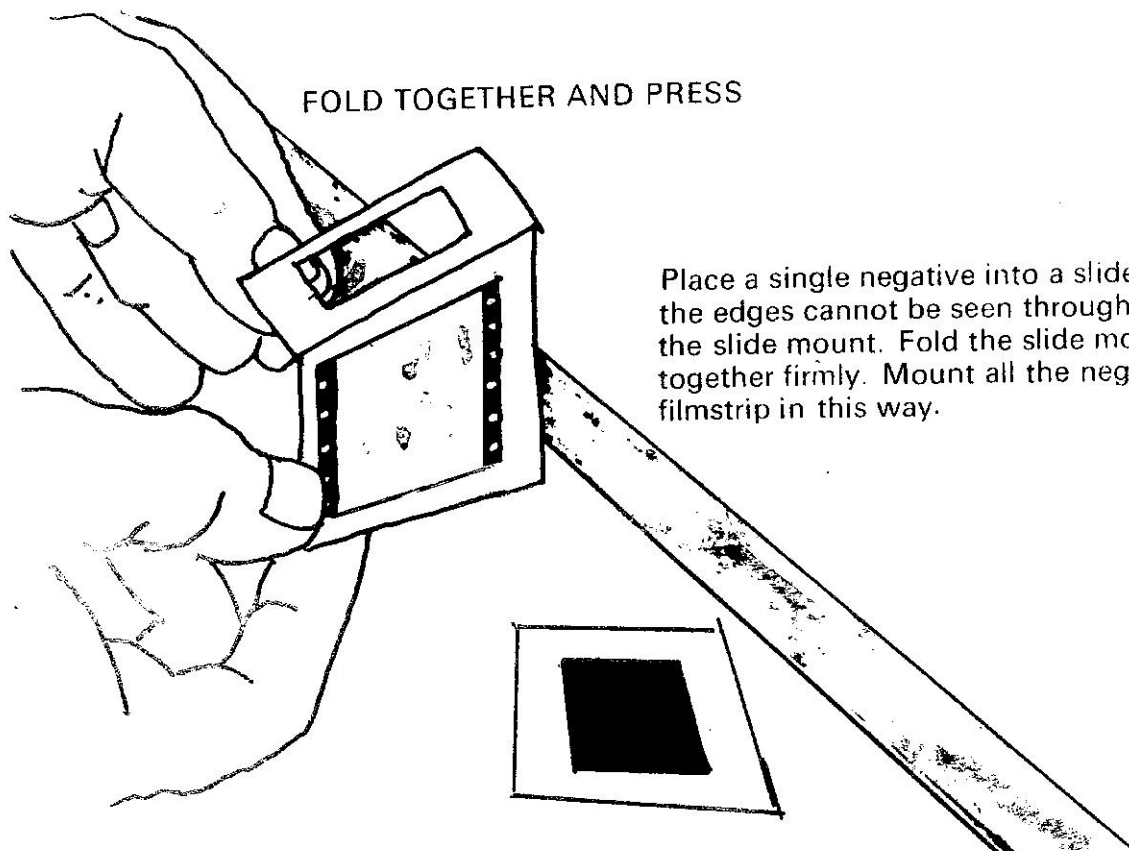
Place a single negative into a slide mount so that the edges cannot be seen through the cut-out in the slide mount. Fold the slide mount and press together firmly. Mount all the negatives of your filmstrip in this way.
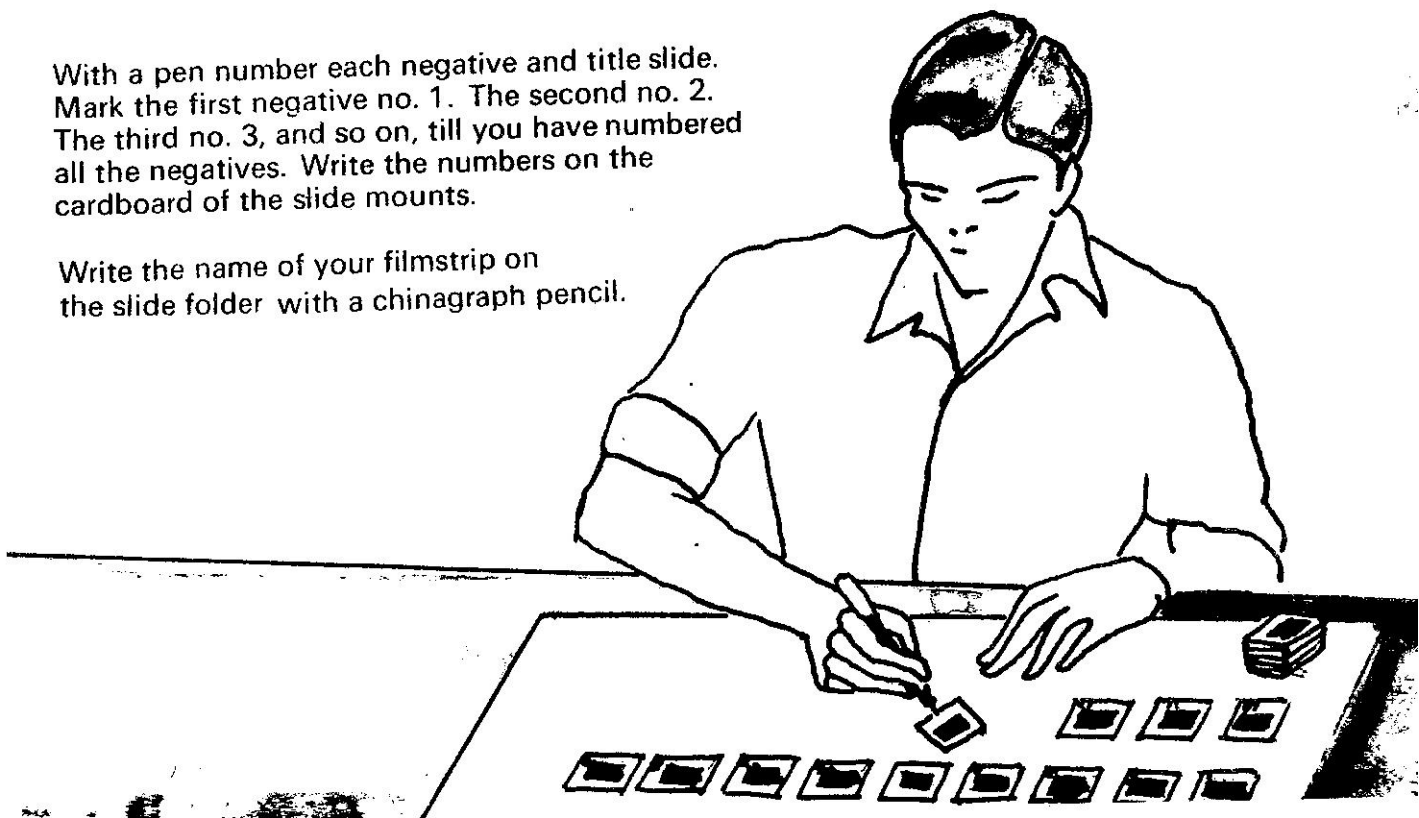
MOUNTED NEGATIVE

Study each mounted negative against the light. Select the best and reject the rest. Refer to your script list and make sure no negatives are missing.

Referring to your script list arrange all the negatives and title slides in the order they should be in the completed filmstrip. Arrange them side by side on a sheet of clean paper.
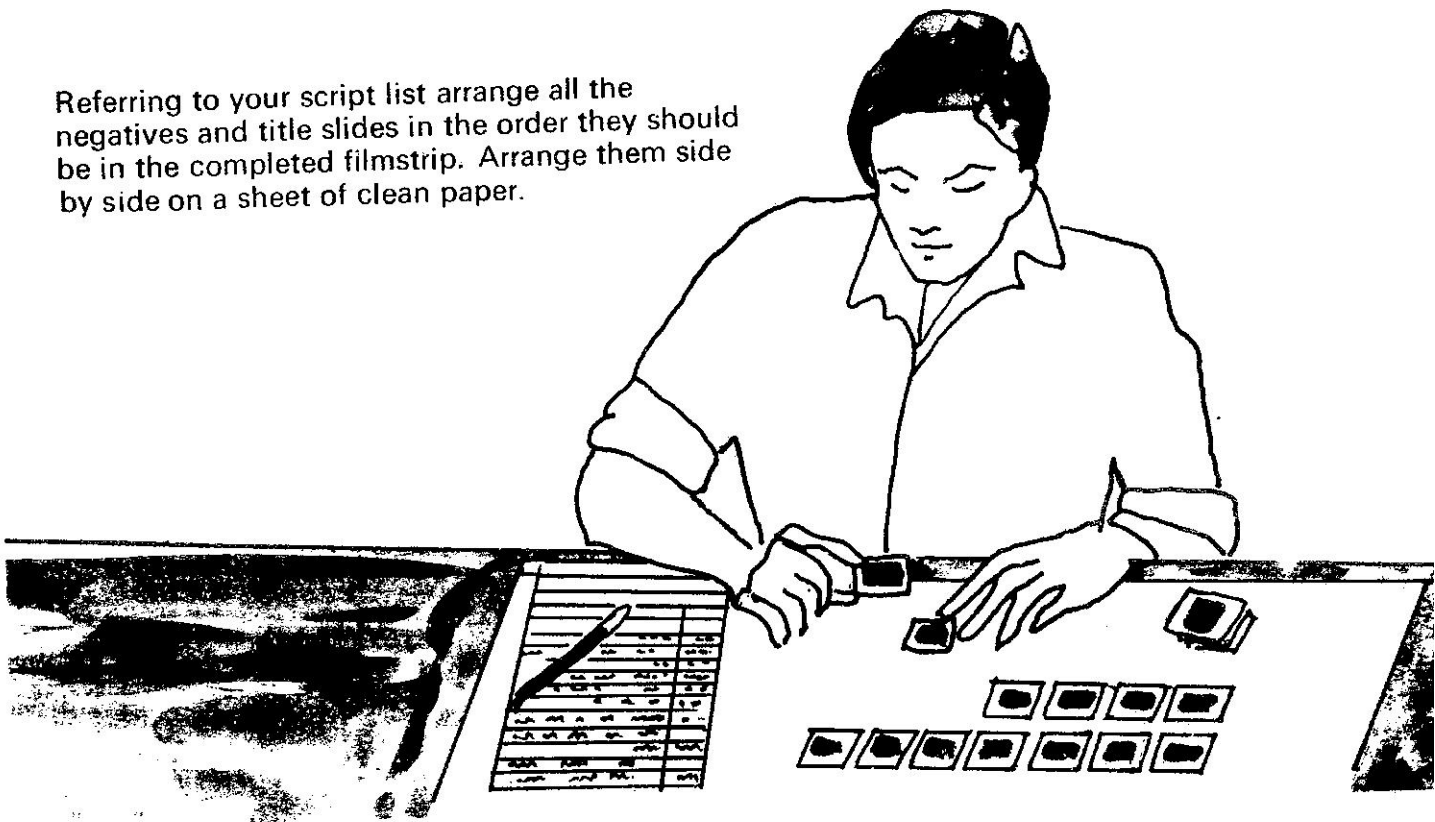
With a pen number each negative and title slide. Mark the first negative no. 1. The second no. 2. The third no. 3, and so on, till you have numbered all the negatives. Write the numbers on the cardboard of the slide mounts.

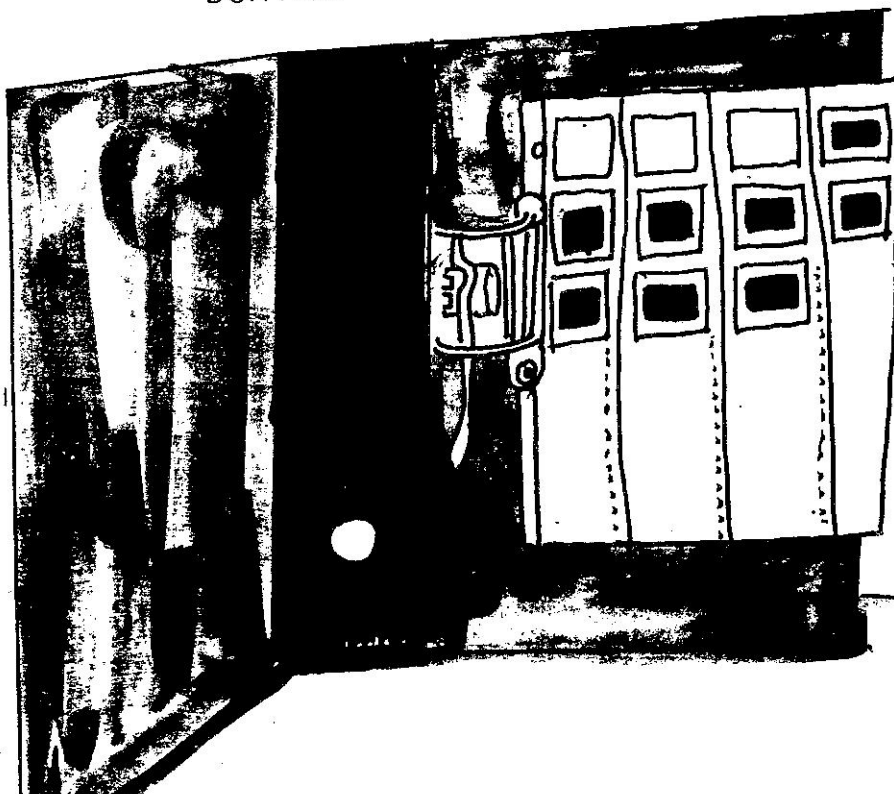Write the name of your filmstrip on the slide folder with a chinagraph pencil.
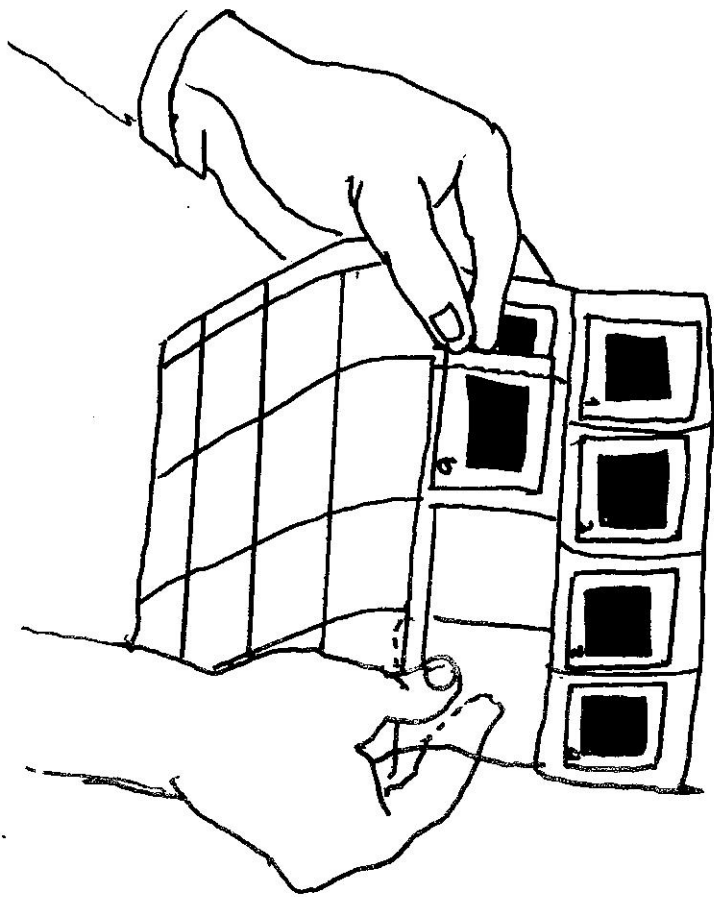
Put the mounted negatives into a plastic slide folder. Arrange the negatives in the folder from left to right the way you read the lines on the page of a book, so that you have put all your negatives and title slides in the correct order.

Put the slide folder containing the negatives into a file. File away the negatives of all the filmstrips you make, so that you can find them easily and quickly.

BOX FILE

SLIDE FOLDER