

Instructions for setting-up and using The Robert Rigby 'Standard' and 'Long Focus' 5" x 4" Pinhole Camera

THE
ROBERT RIGBY
Pinhole
CAMERA

Designed and handmade by **Snowling Associates** exclusively for
Bob Rigby Photographic Ltd.
Store Street, Bollington, Macclesfield, Cheshire, SK10 5PN, England.
Tel : 01625 575591 Fax : 01625 574954 E-mail : bobjrigbyuk@aol.com

FILM BACKS

Your Pinhole Camera is capable of accepting no less than three different film backs, thanks to its ingenious Cam Profile assembly.

These holders are:

Standard 5" x 4" double cut film holders

Fidelity, Toyo etc. taking easily available cut films

Polaroid Model 545 Filmback

accepts 'single shot' Polaroid 5" x 4" films

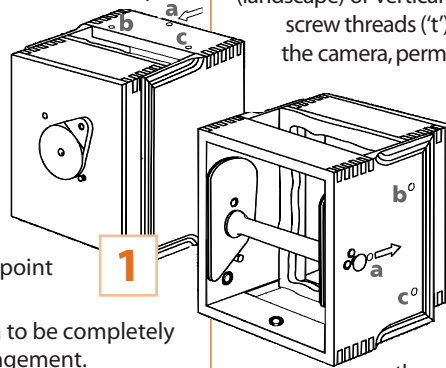
Polaroid Model 405 Filmback

uses Polaroid 4 1/4" x 3 3/4" pack films

Each of these film backs has a different focusing point because they all differ slightly in thickness.

We have therefore designed your Pinhole Camera to be completely adjustable thanks to our simple Cam Profile arrangement.

'Polaroid' is a registered trade mark.



TRIPOD MOUNTING

Your Pinhole Camera is capable of being used in either the horizontal (landscape) or vertical (portrait) position. You will find two standard 1/4" screw threads ('t') are fitted - one in the base and one on the side of the camera, permitting the camera to be secured to a tripod.

NOTE - Care should be taken when mounting the camera to the retaining screw of a tripod as too much screw pressure could damage the camera body.

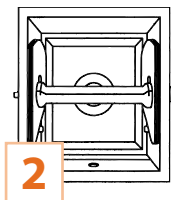
Due to the comparatively long exposures required in pinhole photography, the use of a tripod is strongly recommended. Your Pinhole Camera is capable of being used in either the horizontal (landscape) or vertical (portrait) position. You will find two standard 1/4" screw threads ('t') are fitted - one in the base and one on the side of the camera, permitting the camera to be secured to a tripod.

FILM BACK MOUNTING

Your Pinhole Camera comes ready to accept standard 5" x 4" double cut film holders. If you have chosen to use one of the Polaroid film back, the Cam Profile needs to be adjusted in the following simple manner:

1. Place your Pinhole Camera on a table or similar flat surface in the upright position, ensuring the surface does not damage the natural wood.

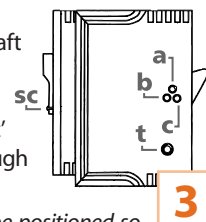
2. Extract the cam shaft by pulling the large chrome head outwards to the side (Fig.2), until it is completely free of the camera. This will release the two wooden cam plates and the wooden shaft.



3. Using Fig 3 select the correct cam hole for your chosen film back. The holes are :

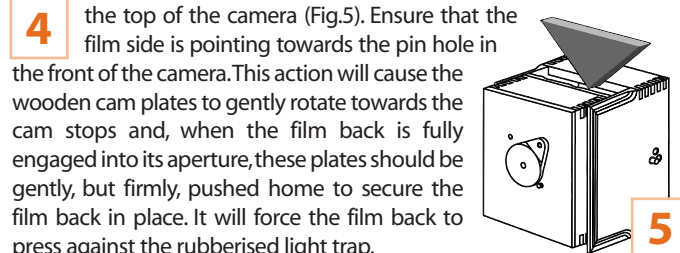
a for standard 5" x 4" double cut film holders;
b for Polaroid Model 405; **c** for Polaroid Model 545;
sc is the Swing Cap.

4. Place the metal cam shaft through the selected hole ensuring the shaft passes through hole 'z' of a wooden cam plate (Fig.4), then the wooden shaft, followed by hole 'z' of the second wooden cam plate and finally through the opposing hole of the camera body.



NOTE - The wooden cam plates should be positioned so that the long flat edge is towards you, with the pointed end leading down towards the base of the camera. Only use hole 'z' - the other hole should not be used for any film back.

5. Your chosen film back can now be inserted into the aperture at the top of the camera (Fig.5). Ensure that the film side is pointing towards the pin hole in the front of the camera. This action will cause the wooden cam plates to gently rotate towards the cam stops and, when the film back is fully engaged into its aperture, these plates should be gently, but firmly, pushed home to secure the film back in place. It will force the film back to press against the rubberised light trap.

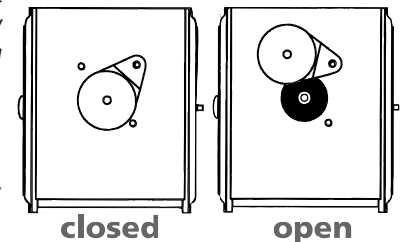


TAKING A PICTURE

The front of your Pinhole Camera is fitted with a Swing Cap that covers the ultrafine pinhole aperture. This cap should be in the closed position (set downwards, completely covering the black aperture disc) while you remove the dark slide from your inserted film back.

Position your camera to take a shot using the view finder sighting system illustrated in fig. 1, by positioning your eye at the pin marked "A" then sight line through pin "B" & "C" for angle of view, the swing cap can be simply and easily slid upwards to open the aperture, allowing light to pass through to your film. When the allotted time span has elapsed, slide the swing cap back down to its stop to end your exposure.

NOTE - When the camera is not in use, keep the swing cap in the 'closed' position to prevent dust or grit from clogging the tiny aperture. It is worth checking the pin hole from time-to-time to ensure it is free from any particles - you may wish to consider using a compressed "air duster" product for this purpose.



EXPOSURE DATA GUIDE

The following exposure times should help you to obtain a good photograph - but they are offered as a guide only.

ASA/ISO	Dull/cloudy	ASA/ISO	Dull/cloudy
100	90 seconds	800	13 seconds
200	45 seconds	1600	7 seconds
400	25 seconds	3200	4 seconds

For accurate readings, we recommend the use of a quality light exposure meter capable of small aperture readings.

Model	Aperture	Focal length
Standard	f166	65mm on 5x4
Long Focus	f246	90mm on 5x4

As a proud owner of a ROBERT RIGBY PINHOLE CAMERA you have the opportunity of exploring the fascinating and creative world of pinhole photography. We hope you derive much enjoyment from owning and using your Robert Rigby Pinhole Camera and would appreciate hearing your comments.

REGISTERED DESIGN APPLIED FOR. Product specifications and the information contained herein are all subject to change, without notice. © 1994 Bob Rigby Photographic Limited. All rights reserved.

See our website for more details on Robert Rigby Pinhole Cameras and the complete range of other professional photographic and digital products available from Bob Rigby Photographic ...

<http://www.bobjrigby.com>