

BOGEN



SALON SPECIAL
PRECISION
ENLARGERS

Your Bogen SALON SPECIAL enlarger has been carefully designed and sturdily constructed to afford you many years off satisfaction. The latest advances in photographic technology and manufacturing processes have been employed in its concept to provide an optical and mechanical system which will give truly professional results to the careful worker.

This booklet contains full instructions for assembling and using your enlarger. Read it carefully before you start and store it in a safe place for future reference.

The components of the BOGEN SALON SPECIAL enlarger, are separately packed in the following cartons :

ANegative Carrier

Upper Condenser Lens

Film Rests

Bolts & Nuts

Wrench

Vinyl Jacket

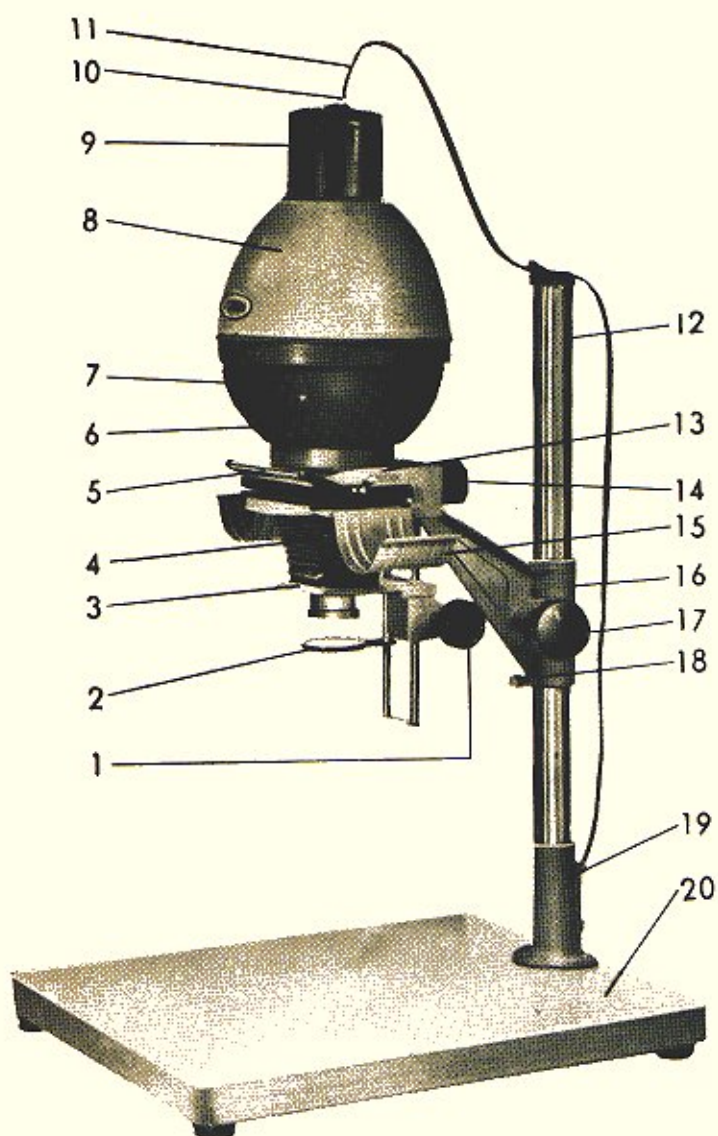
Color Filter Drawer (if any)

BLamp-housings

CFocusing Stage with Arm

DColumn

EBase Board



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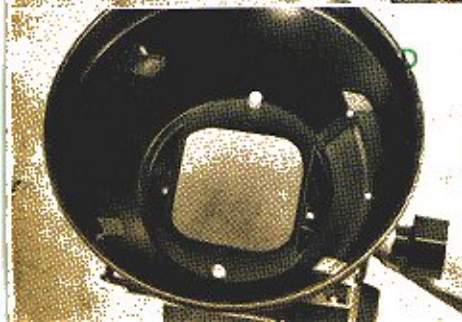
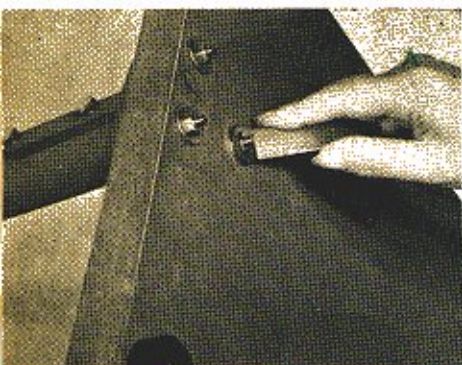


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|------------------------|-------------------------------|
| ① Focusing Knob | ⑬ Lamp-housing Clamp Screw |
| ② Red Filter | ⑭ Tilting Hock Knob |
| ③ Lens Board | ⑮ Film Rest |
| ④ Focusing Stage | ⑯ Arm |
| ⑤ Negative Carrier | ⑰ Elevating Knob |
| ⑥ Lower Lamp-housing | ⑱ Fixing Knob |
| ⑦ Filter Holder Recess | ⑲ Column Socket |
| ⑧ Upper Lamp-housing | ⑳ Base Board |
| ⑨ Lamp-housing Cap | ㉑ Upper Condenser Lens |
| ⑩ Lamp positioning Rod | ㉒ Support for Filter Holder * |
| ⑪ Guard Coil | ㉓ Color Filter Holder * |
| ⑫ Column | * Accessory |

ASSEMBLY INSTRUCTIONS

Before assembling your BOGEN Salon Special Enlarger, check carefully to make sure you have all the parts illustrated above. Then follow the sequence below :



- A Seat the column (12) in the socket (18) on the baseboard. Note that the track for the friction drive which moves the enlarging head up and down on the column should be oriented to the front. Fasten the column in place using the bolts and nuts provided.

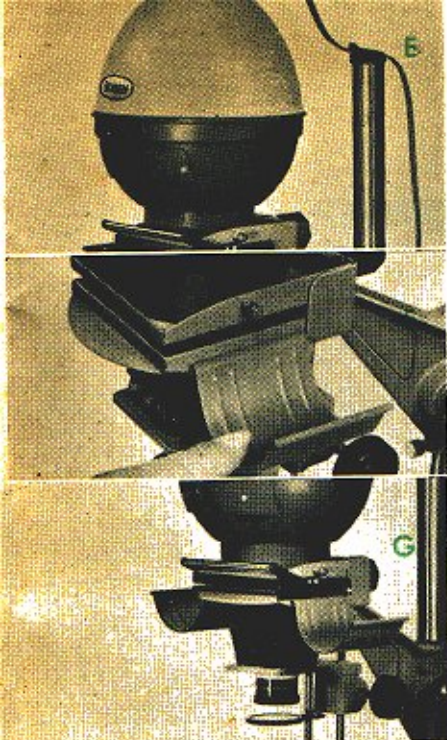
A wrench is also included for your convenience.

- B The focusing stage (4) of the enlarger is set in place by putting it on the top of the column, oriented so that the elevating drive wheel (17) engages the track. Turn the elevating knob (17) to lower the arm and bellows assembly about six inches below the top of the column.

- C Set the Lower lamp-housing (6) in place on the top of the focusing stage and fasten with the three lamp-housing clamp screws (13).

- D The lower condenser lens is already installed. Set the upper condenser lens (20) in place after checking to make sure it is clean. Remove any dust with a soft cloth or lens tissue.

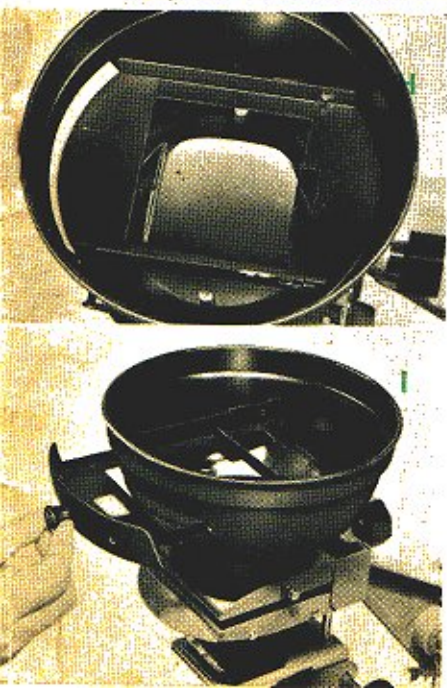
Note : Your condensers are made of optical glass and should be treated as lenses, i.e. they should be carefully handled, kept free of dust and finger marks and only cleaned with same materials you use for your camera and enlarging lenses.



- E Install a # 211,75 watt opal Enlarging Bulb (not supplied) in the socket of the upper lamp-housing (8). Seat the upper lamp-housing in position with the nameplate and the covered cut-out (7) for the color filter drawer facing front.
- F Insert film rests (15) as shown.
- G After inserting the negative carrier (5) and enlarging lens in their respective positions, your Bogen Salon Special is ready for use.

INSTALLATION OF ACCESSORY COLOR FILTER DRAWER

You can convert your Bogen Salon Special to permit the use of color and variable contrast monochrome printing filters above the negative stage (the method preferred by experts) at any time by installing the color filter drawer assembly which may be ordered through your dealer.



- H Take off the upper lamp-housing and remove the cover plate on the front of the lower lamp-housing by loosening the fastening screws and discard. Place the support for the filter holder in position as shown, inserting from above.
- I Slide the color filter drawer in place. The color filter drawer accepts $3\frac{3}{4}$ " in square color or monochrome acetate, plastic or gelatin filters. These may be obtained through your dealer.

OPERATING SUGGESTIONS

1. Recommendable lamp wattage is 75 watts. The #212 (150 watt opal lamp) size may be used, but it is recommended that duration of exposures be kept short. The illumination system of the BOGEN SALON SPECIAL is highly efficient, and the standard 75 watt lamp should provide adequate illumination both for focusing and exposure.
2. Even illumination is obtained by raising and lowering the lamp positioning rod (11) after loosening its locking screw. When enlarging from 6×6 negatives with 75 mm. lens, the rod should be raised to its highest position.
3. The negative carrier is designed to be used either with single frames or strips. Insert film emulsion side down with its edge resting against the positioning stops. When using strips and shifting from one frame to another, raise the negative carrier rod to its top-most position to assure yourself adequate clearance and avoid scratches.
4. The elevating knob (17) is used to raise and lower the enlarger head until the image projected is the approximate size desired.

5. Fine focusing is done with the focusing knob (1). It is a good idea to use enlarging easel to hold the printing paper flat and a focusing magnifier to obtain maximum sharpness. Always use, for composing and focusing, a sheet of paper the same thickness as the paper on which you are making your prints. The back of an old or discarded print is ideal for this purpose.
6. **Lens settings :** Most enlarging lenses offer a wide range of openings. However, the best results and maximum sharpness are obtained in the range from $f5.6$ to $f11$. Therefore, focus with your lens wide open, then stop down to $f8$ for making test exposures to determine the proper time for that lens opening. The extreme settings of the enlarging lens should only be used when especially dense negatives require too long an exposure time or excessively thin negatives produce over exposed prints.
7. **Storage :** Your Bogen Salon Special and its lens are both fine tools and should be treated as such. Always cover the enlarger when it is not in use and keep the interior and the condensers free of dust. If your dark-room is in a damp location, it is desirable to remove the lens and store it with your camera equipment when it is not in use.

ACCESSORIES

BOGEN ENLARGING EASELS



You can do better work if your printing paper is held flat and properly masked against stray reflected light by a high quality enlarging easel. Bogen All Metal Easels are available in four sizes, from 5 x 7 inches to 14 x 17 inches, each with a wide range of adjustments possible.

COLOR FILTER DRAWER (22, 23)



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Experts say the best way of utilizing filters for color and variable contrast monochrome printing is used a holder above the negative stage rather than below the lens where reflections can destroy image sharpness. The Accessory Color Filter Drawer for the Bogen Salon Special can be installed in a few minutes following the instructions given in the assembly section above.

HEAT ABSORBING FILTER

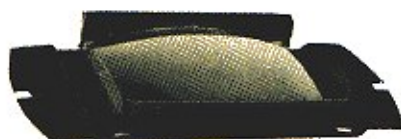


A heat absorbing filter is available as an accessory for printing of monochrome negatives. It fits in the Color Filter Drawer and provides an extra measure of protection from heat when making long exposures required to print dense negatives or when using a 150 watt enlarging lamp.

INTERCHANGEABLE LENSES



35mm. CONDENSER LENS



EXTRA NEGATIVE CARRIERS



The lensboard of your Bogen Salon Special is equipped with a standard Leica thread. For 35 mm. work the substitution of a 50 mm. lens is suggested to achieve greater magnification. A 25 mm. lens is also available for enlarging "half frame" 35 mm. negatives.

When using the 25 mm. or 50 mm. lenses, it is desirable to use a condenser set designed for these lenses. The accessory 35 mm. condenser lens replace the upper lens of the standard double condenser set furnished with the Bogen Salon Special.

Glassless negative carriers are available in the following sizes:—
6 × 6 cm. (2¼ in. square); 4 × 4 cm.; Standard Size 35 mm. film (24 × 36 mm.); Single Frame "Half Size" 35 mm.) 18 × 24 mm.)

MAGNIFICATIONS

Lens used	Min.	Max.	Off base-board
with 25 mm. lens	6.0 x	28.0 x	unlimited
with 50 mm. lens	3.0 x	14.0 x	
with 75 mm. lens	1.2 x	11.5 x	
The above magnifications are on the easel (10 mm. thick)			

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