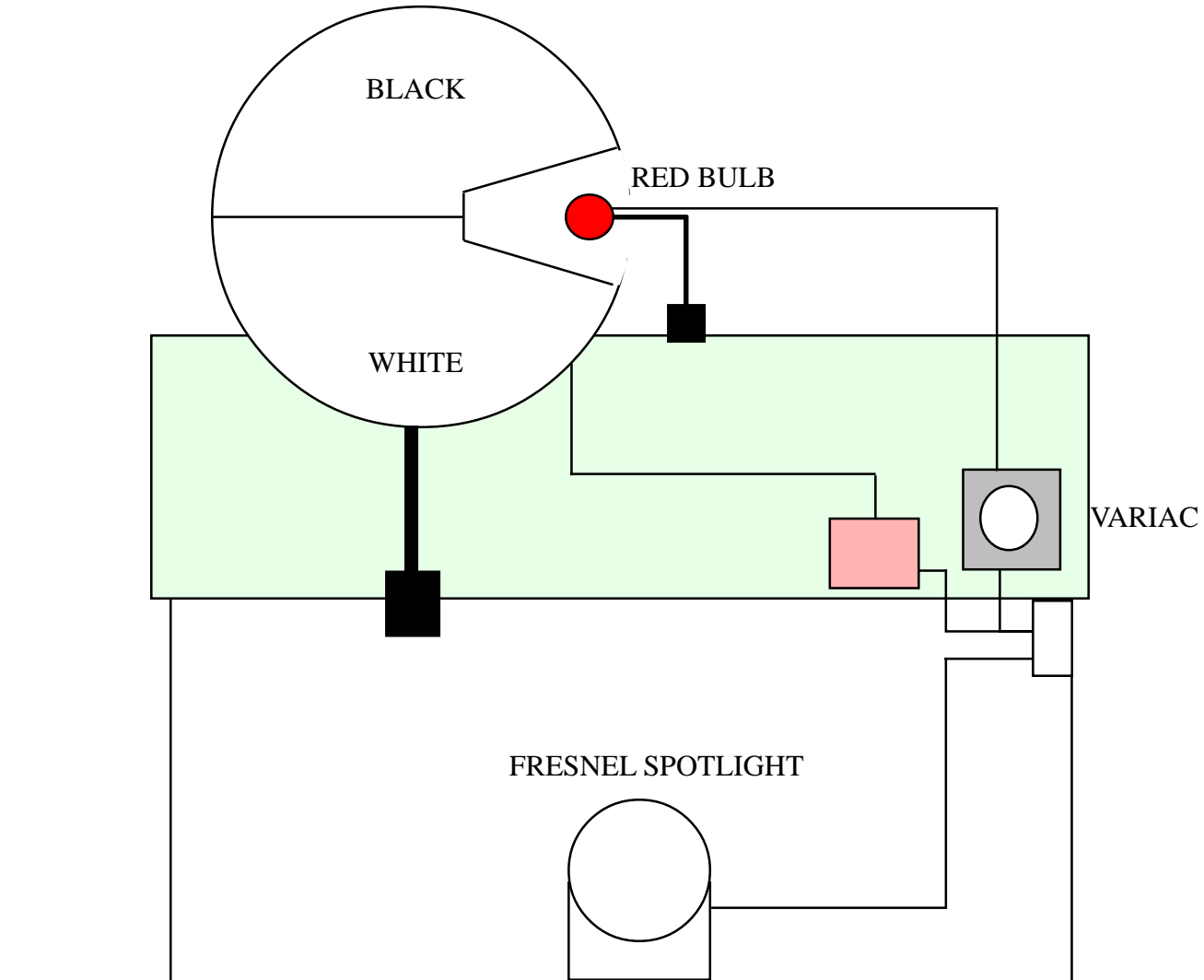


BIDWELL'S DISK
(BRAGG EFFECT)
6F10.40



THE DISK, AS SHOWN, IS ROTATED AT 2 - 3 RPS BY THE DIRECT DRIVE BODINE MOTOR WITH SPEED CONTROL.

THE SURFACE OF THE DISK IS "FLOODED" WITH WHITE LIGHT FROM THE FRESNEL SPOTLIGHT. INTENSITY OF THE RED LIGHT IS REDUCED BY A VARIAC.

WHEN ROTATION IS IN THE DIRECTION SHOWN, AND WITH THE PROPER LIGHT INTENSITIES, THE RED BULB WILL APPEAR GREEN.

BODINE MOTOR CONTROL @ 45 "REVERSE" DIRECTION (MOTOR MAY TAKE A SHORT TIME TO WARM UP AND STABILIZE SPEED). VARIAC @ 50 VOLTS.

BEST "RED" IS A REFLECTOR FLOOD LAMP.