



Pulley is fastened to impeller by 4 $\frac{1}{4}$ " bolts. Pulley is fastened to generator for direct drive.

This design best for larger size heavy-weight 6 volt generators

List of Materials

- Generator without cut-out and pulley
- 2-6 volt batteries
- 5 foot impeller
- Sheet metal 23"x11" and 7"x7"
- 1 can enamel to paint plant
- Hard wood strip 64"x1 1/2"x 1/2"
- 7 screen door spring
- 10" heavy gate hinge with screws
- 1 knife switch (optional)
- 12" of 1" pipe; 7 feet of 1 1/2" pipe
- One 3" floor flange
- 1-20 ampere fuse and socket
- 4- 1/4"x1 1/2" bolts; 4- 1/4"x2 1/2" bolts
- 6 volt Mazda lamps & receptacles
- 50 feet or more of #10 gage
- 7" electric wire
- 20 feet sash cord
- 7 feet strap iron (for holding pipe and generator)

COOPERATIVE EXTENSION WORK IN
 AGRICULTURE AND HOME ECONOMICS
 STATE OF NORTH DAKOTA
 NORTH DAKOTA AGRICULTURAL COLLEGE
 AND
 U. S. DEPT. OF AGRICULTURE COOPERATING
 EXT. AGR'L. ENGINEER, FARGO, N. DAK.
**SIX VOLT BATTERY CHARGER
 AND LIGHTING SYSTEM**
 PLAN NO.-M. 043-1-DRAWN BY H. C. BERTZ, '35.