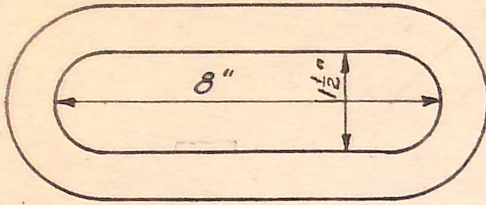
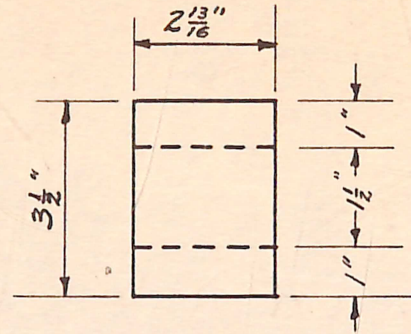


CORE DIMENSIONS



SIDE VIEW



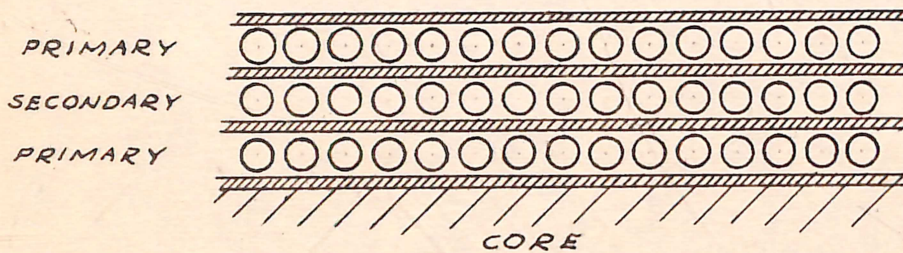
END VIEW

CORE MATERIAL:

Westinghouse Hypersil .0003" thick.

WINDINGS:

The windings occupy a length of approximately $1 \frac{3}{4}$ " on one leg only. All wire is B & S #20 covered with a good grade of lacquer or enamel, preferably Formex. All turns are close-wound. The secondary is one layer of 17 turns of two wires in parallel. The primary is wound in two layers, each 35 turns of single wire, one inside and one outside the secondary. The primary and secondary windings must be accurately the same length, and the spacing between them as small as possible. Insulation between layers must stand 3000 volts, and between turns 45 volts. The entire winding is immersed in oil.



ENLARGED CROSS-SECTION OF ONE SIDE OF WINDINGS

| SPECIFICATIONS FOR EXPANDER PULSE TRANSFORMER DESIGN OF L. BESS | | | |
|--|--------------------|--------------------|----------------|
| PHYSICS DEPARTMENT UNIVERSITY OF ILLINOIS URBANA, ILLINOIS | DRAWN BY REWARD | SCALE — | |
| | CHECKED BY OSR | DATE 7-13-46 | |
| (32005) 22 MEV. BETATRON | FILE B-2 | DRAWING NO. 319 | SHEET NO. 8 |

1 print