Westinghouse Type G Generators

The End Bells for protecting the armature windings of the larger generators are of sheet steel segments built up into a rigid circle, and are practically indestructible.

The Belt Tension Gear of the pedestal bearing construction is simple, positive and easily operated.

The Bedplate, to which the generator is firmly secured, is mounted upon two slide rails, each fitted with a ratchet-operated tension screw. The screws are entirely within the slide rails. They are stationary longitudinally and work in nuts attached under the bedplates.

The two levers operating the ratchets on the serew heads are so connected mechanically that both tension serews are moved alike by one handle.

TYPE G GENERATORS AS SYNCHRONOUS MOTORS

Type G generators are so designed that they may be used as synchronous motors. The cage-type damper winding provided on all generators of 75 kva. rating and above is similar to the secondary winding of a cage-wound induction motor; so that these generators, when used as synchronous motors, are self-starting where the starting torque required is not more than 30 per cent at starting and 15 per cent as synchronism is approached.

OUTLINES AND DIMENSIONS

Outlines, dimensions and performance data of Type G generators will be promptly furnished by any of the Westinghouse offices.

1101