Special motors for higher voltages up to 650 can be supplied on order. The fields are either shunt or compound wound, but in special cases will be supplied with series windings only. The motors are suitable for floor, wall, or ceiling mounting and can be bolted or direct connected in any practical way to the device to be driven.

These motors can also be supplied with vertical shafts (type SV) or with back gears (type SG). All type S motors are so arranged that they can be provided with either perforated or solid covers, making the motors partially or wholly enclosed.

Type S motor frames are numbered consecutively, according to size, from 1 to 13. Leaflets, giving complete ratings and dimensions will be sent on request.

Speed Adjustments. For driving machine tools and similar apparatus where moderate speed adjustments are necessary, type S motors have given excellent satisfaction, since by varying the motor field strength the speed can be adjusted between reasonable limits.

Construction

All materials entering into the construction of type S motors are of standard Westinghouse quality and are such as long experience has shown to be best suited for the purposes they are to serve. The machines are multipolar, compact, and of pleasing general appearance; the construction is rigid and substantial; every detail has been given the careful consideration necessary to produce machines that are capable of fulfilling the exacting requirements of modern service.

Frame. The frame consists of a cylindrical cast iron yoke machined on each end to receive the brackets, which carry the bearings. Inside the frame are machined seats to which the pole pieces are bolted. For horizontal shaft motors, supporting feet are cast solid with the frames. The motor feet can be bolted to a floor or to the frame of the driven

Motor Frame With Pole Pieces and
Field Coils