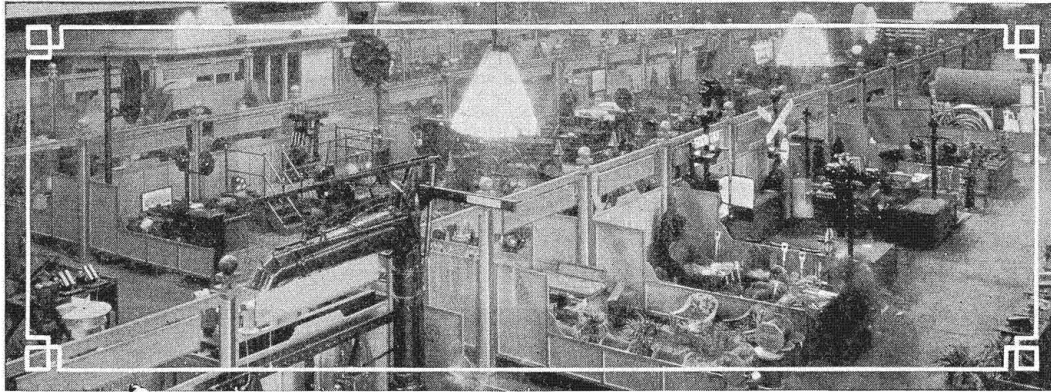


New and Improved Devices



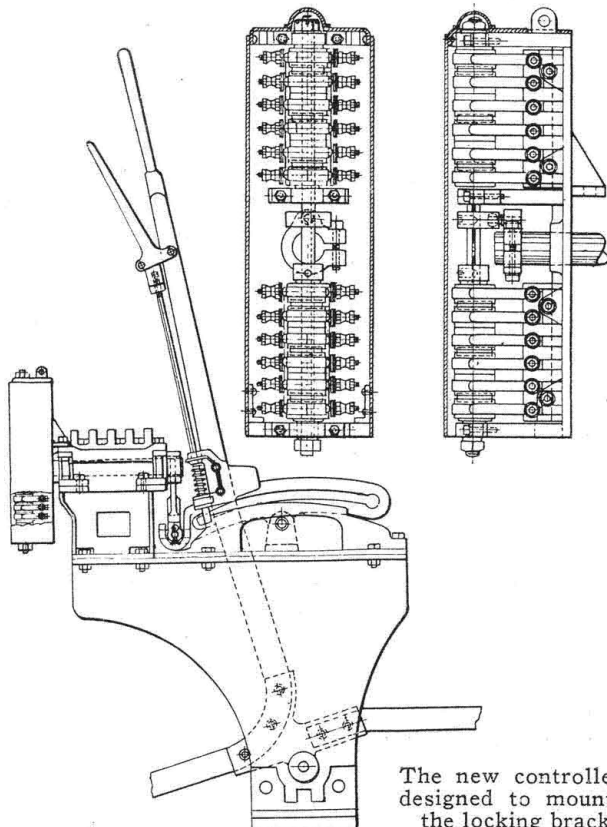
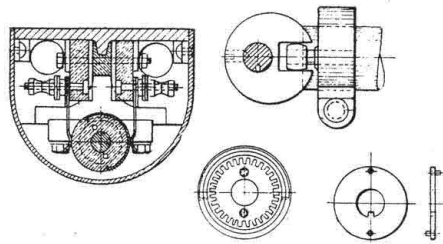
Stiles Controller for S. & F. Machine

THE T. Geo. Stiles Company has placed on the market a new circuit controller designed for use on Saxby & Farmer type interlocking machines. This controller is to be mounted on the locking bracket and connected to the locking shaft, being actuated directly by the lever latch without any connecting rods. The rotary action given the vertical shaft of

the controller is effected by a compensating ball and cam that takes care of any variable action in the locking shaft.

The silver bands are molded in the disks, which are adjustable to any position desired, by means of a serrated plate which is recessed in and riveted to each of the hard rubber disks. Between each pair of disks is a reverse studded plate formed to slide upon the splined vertical shaft and which can only revolve with the shaft, and thus maintain the desired position of the contact disks. The contact disks are held or compressed together by means of slotted bronze bearings. The panels are of laminated Formica, machined to receive the phosphor bronze springs.

These controllers are manufactured in 6, 12, 18, 24, and 30 ways. Being but $4\frac{3}{4}$ in. in width, these controllers can be mounted readily upon each locking shaft or lever. A steel cover is provided for each controller and this cover can be locked to prevent tampering.



The new controller is designed to mount on the locking bracket

A New Asphalt Paint

A NEW asphalt paint has been developed by the Paint and Varnish Division of E. I. duPont de Nemours & Co., Wilmington, Del., which is said to be effective in protecting steel or iron structures from corrosion, especially where they are exposed to locomotive smoke and gases, and also for protecting timbers from decay. In the preparation of this paint, which is called asphalt chromate emulsion, asphalt is combined mechanically with water to form an emulsion, to which chromium salts are added for the purpose of rendering ferrous metals passive to corrosion while the water of the emulsion is drying out. When dry, the coating is said to have all the properties of pure asphalt. The paint, which is used cold, may be applied with either a brush or a spray gun, and its freedom from toxic fumes or inflammable vapors permits its use in confined spaces.

"Gill Selector" is the subject of Bulletin 123 just issued by the Union Switch & Signal Company. In this 18-page bulletin, the Gill selector is fully described, including its design and operation, with the purpose in mind of suggesting many other applications for which the selector may be particularly suited. "The Gill Selector," it is said, "is finding new applications in various forms of selective remote control."