

Switchgear

4 WAYS to Guard Against Power Interruption

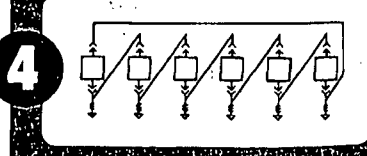
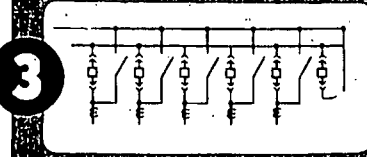
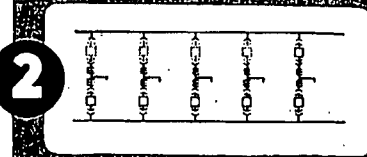
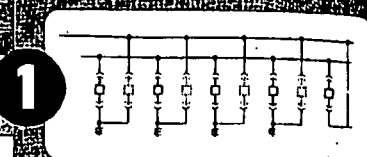
Here are a few of the many different circuit arrangements Allis-Chalmers can provide. All are designed to assure continuity of service. Each one is specially suited for specific situations.

With Allis-Chalmers switchgear, all these circuit schemes have one advantage in common. Each arrangement shown can be built into standard units of Allis-Chalmers metal-clad switchgear without adding extra cubicles. This economy and simplicity, plus the obvious space savings, make Allis-Chalmers equipment especially attractive.

Which Arrangement is Best? A study of your problem is needed to answer this question. Any one of these arrangements may be best for your plant. Or maybe an entirely different scheme is needed. In any case, Allis-Chalmers engineers can help you work out the best scheme for you... one that provides ✓ economy, ✓ simplicity, ✓ space saving, and ✓ uninterrupted service.

For complete information, call your nearby A-C district office, or write Allis-Chalmers, Milwaukee 1, Wisconsin.

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with Power readers...

THERE'S NOTHING NEW... about operating steam boilers at or over the critical pressure. DeLaval, a Swedish engineer, did this over 50 years ago.

The *Scientific American Supplement* No. 1143 carried an article about this project on Nov. 27, 1897. The electric lighting of the Universal Exposition at Stockholm was supplied from six units, four of 100-hp capacity and two of 50-hp. Each unit consisted of a boiler, turbine, dynamo, condenser, feed pump, and water- and steam-pressure regulators. The turbines and once-through boilers were designed to operate at 2850-psi working pressure, but were logged as high as 3420 psi. The boilers had been tested at 5700 psi. They operated from spring to fall of the year 1897.

In 1930, the DeLaval Steam Turbine Co. printed a booklet called, *A Pioneer in High Pressure Steam*, which described the operation in detail.

St. Paul, Minn.

R. BIZZELL

Thanks, reader Bizzell, for your leads on this early work with critical pressure steam. The information illustrates once more the scarcity of really new ideas. But let's not lose sight of the fact that the idea is not always enough. As much or more ingenuity often goes into making that idea a working reality. Today there are no working critical-pressure plants.—Ed.

...lines and bylines



Witman, left, and Miller talk over operating plans for new turbine unit

GOOD PLACE TO WORK is Steve Elonka's opinion of the new Titus Station of Metropolitan Edison Co. in Reading, Pa., p. 111. Steve found here a grass roots demonstration that it takes more than modern equipment to make a plant inviting.

Big reason for the congenial atmosphere at Titus starts with John C. Miller, superintendent of production, and John F. Witman, station superintendent. Let's take a quick look at the backgrounds of these two topnotch morale builders:

John Miller, a native of Edwardsport, Ind., graduated from Purdue University with BS and MS degrees in engineering. He worked for the Detroit Edison Co. before enlisting in the U.S. Navy at the start of World War II. After working four years in the design branch of the Bureau of Ships as a Lieutenant Commander, Miller joined Gilbert Associates, Inc. as a mechanical engineer. He came to Metropolitan Edison Co. in 1948. He is a member of the American Society of Mechanical Engineers, American Society of Naval Engineers and the Pennsylvania Society of Professional Engineers.

John Witman advanced to his present position through attention to details, hard work and a willingness to study on his own time. Shortly after graduating from Reading High School he joined MECO as a power-plant oiler. After holding jobs in all phases of plant operation he was made superintendent of the West Reading plant in 1941. When construction of Titus started in 1949, Witman was named superintendent. Throughout erection he served as the company's contact with the engineering and contracting firms.

LAST DUTY FOR POWER was performed by Joe McCabe in writing the Handbook on Fuel Handling and Storage, p. 75. By the time you read this he will be taking over the reins as editor of our contemporary *Combustion*.

Joe has fitted himself well for his new duties. In his eight years as Associate Editor on *Power* he closely followed the developments in fuels, firing, steam generation, feedwater treatment, air and stream pollution and other related topics. His long experience in the operation and maintenance of power plants and other utility departments stood him in good stead in the many articles he prepared for *Power*.

Joe's driving energy has carried him into many activities, including professional societies, his local school board, the Little League and other civic projects. We of the editorial staff will surely miss him, with his ready smile and cheerful comebacks. We know you who followed his work join us and his many friends in wishing him the best of everything for a long, successful career.



Joseph C. McCabe