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# SWISS FEDERAL RAILWAYS NEWS.

Electric traction began on the Saignelégier — La Chaux-de-Fonds metre-gauge line on March 13. The line belongs to the system owned and worked by the Chemins de Fer du Jura, and is  $16\frac{1}{2}$  miles long. It was opened in 1892. There are gradients of 1 in 25, and the average altitude of the line is more than 3,000ft.; it reaches 3,260ft. at La Chaux-de-Fonds, its southern terminus, and 3,220ft. at Saignelégier. At La Chaux-de-Fonds the line connects with the Bienne - Le Locle line of the Federal Railways. Le Noirmont, some four miles south of Saignelegier, is the junction with the company's electrified metregauge line to Tramelan and Tavannes.

A new highway bridge is now being built over the River Aar at Olten. In order to use the existing bridge as a service structure for erection, it was decided to move it sideways for a distance of about 84ft. The old bridge was built about seventy years ago, being a lattice truss steel structure, 340ft. long and 33ft. wide of three spans, of which the central span had a length of 140ft. Its weight was about 850 tons. Four rolling paths were used to move it, the rollers being 61 in diameter and 20 in long. central rolling paths rested on two rows of piles, each having a bearing capacity of 35 tons, while the side rolling paths were laid on transverse beams supported on a row of piles. Bogie units were formed by rollers assembled in groups of five by five. The moving operation itself was carried out with a capstain and a lin. diameter rope. The whole operation was completed in one night in a series of 20in, movements.



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