

not be raised very much beyond that of the ordinary atmospheric temperature, for the reason that aluminium melts at a little less than 1,200 degrees Fahr.

The values given above are for temperatures of less than 100 degrees C (212 degrees Fahr.); for temperatures between 100 degrees and 200 degrees C. the unit strain should be decreased by fifty per cent., and above 200 degrees aluminium should not be designed to be used in strain.

H. F. Cumming and W. A. McCaffrey, dealers in builders' supplies, Cornwall, Ont., have dissolved partnership. The business will be continued by Mr. Cumming.

#### EXPERIMENTS IN MEASURING WIND POWER.

The experiments in measuring the power of the wind, which are being conducted at Centralia, Ill., by Professor E. P. Nipher, of Washington University, St. Louis, and Professor Zimmerman, of Missouri State University, promise to make known what scientists thus far have been unable to discover—a method of measuring the pressure which the wind is exerting at any given point. While this force has been taken into account more since the erection of tall buildings, engineers and architects have only been able to make their calculations by approximation, and although many methods have been resorted to, there has been no scientific basis to prove the exactness of their reckoning.

The Illinois Central Railroad has fitted up a private car and equipped it with every facility for carrying out the plans of these two professors. If they should succeed in measuring the velocity and force of the wind with any degree of exactness, they will confer a favor upon both architects and engineers, particularly the latter, who will be glad to use any data they can furnish in planning great bridges or other lofty works exposed to violent winds.

Mr. F. A. Tetu has resigned as city engineer of Hull, Que. Ald. Farley has been appointed as his successor.

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