

ONTARIO LAND SURVEYORS.

The fourth annual meeting of the Association of Ontario Land Surveyors opened in the Parliament Buildings, Toronto, on the 25th of February. Mr. M. Gaviller, Collingwood, occupied the chair, and Mr. A. J. Van Nostrand, Toronto, acted as secretary.

Among those present were. Messrs. G. B. Kirkpatrick, K. Gamble, A. J. Van Nostrand, H. W. Selby, G. B. Abrey, T. B. Speight, R. T. Johnson, V. Sankey, R. P. Fairburn, J. F. Whitson, C. Laird, Toronto; H. DeR. Sewell, Port Arthur; A. Niven, Haliburton; George Ross, Welland; J. W. Tyrrell, Hamilton; H. J. Bowman, Berlin; J. Warren, Walkerton; Jas. Dickson, Fenelon Falls; C. E. Fitton, Orillia; E. Stewart, Collingwood; M. J. Butler, Napanee; Jos. DeGurse, Windsor.

Mr. Sankey read the report of the Committee on Publications, and Mr. Gamble the report of the Committee on Biography.

The annual address was delivered by the president, Mr. Gaviller, of Collingwood. He referred to the success that had attended the society during the past year, in membership, finance and activity, and to the excellent work done by the committees. The drainage laws were now in such shape as to be easy of interpretation. The matter of a topographical survey of the province was receiving attention, and the desirability of such a work was becoming apparent. It was also, he thought, advisable to appoint a committee to compile legal cases and decisions affecting surveyors.

Mr. J. De Gurse, of Windsor, read a paper on "Concrete in Bridge Foundations."

The report of the Committee on Standard Measures was presented.

At the evening session papers were read by T. Harry Jones, of Brantford, on "The Maintenance of a Separate Sewerage System," M. J. Butler, Napanee, on "Some Notes on Concrete and its Application to Various Works," H. J. Bowman, Berlin, on "Road Metal," and others.

The second day's proceedings were held in the Canadian Institute, and consisted of the presentation of reports and the reading of various papers, among which were the following: "The Ditches and Water Courses Act of 1894," by B. J. Saunders, O. L. S., C. E., Brockville; "Sectional Surveys," by P. S. Gibson, O. L. S., C. E., Willowdale; "Crown Surveys," by James Dickson, O. L. S., Fenelon Falls, "A Road or not a Road," by M. Gaviller, O. L. S., Collingwood. In the evening the association held their annual dinner at McConkey's.

Several papers were also presented on the third day

In the nominations of officers, Mr. Willis Chipman, O. L. S., C. E., Toronto,

was elected president; Mr. T. H. Jones, O. L. S., Brantford, vice-president, while Mr. A. J. Van Nostrand was re-elected secretary treasurer. Messrs. George Ross, O. L. S., Welland, and A. P. Walker, O. L. S., C. E., of Toronto, were appointed auditors. These were elected by acclamation.

GLASS IN IMITATION OF WOOD.

Recently a patent was granted for an ingenious process for making glass veneers for interior decoration. The invention relates primarily to the production of ornamental glass, which may be either semi-transparent or opaque, and is made to represent highly polished wood of any description. When used as veneering it is particularly adapted for vestibule and other doors; the exterior of the glass having the appearance of highly polished wood, while in the interior of the house it shows semi-transparent.

The process by which the effect is produced is to cloud a sheet of plain or ground glass on the reverse side with a liquid dye of a proper color to represent any desired wood. The dye is applied by means of a sponge, which is so manipulated as to bring out the semblance of the grain of the wood on the surface of the glass. A badger brush is used to soften the shading. The glass is then covered with varnish. This leaves the grain clear, distinct and "fast," without the necessity of using any gelatinous substance, which would render it liable to shrink into "crinkles," thus spoiling the effect. To complete the operation the glass is slightly heated, and the various shades required for the particular wood to be imitated are caused to flow over it by means of a syringe.

The merging of the shadings into each other is prevented by slightly heating the glass. The whole is made semi-transparent by another coat of varnish, which preserves and protects the dyes. The exterior surface then presents the appearance of a finely polished wood finish.

According to some of the English architectural papers an investigation of the means to be adopted for more efficiently warming school buildings has been concluded by a special sub-committee of the London School Board. This committee after consulting the architect and heating engineer are of the opinion that 10 superficial feet of warming space for every 1000 cubic feet of area should be required as the standard up to which it is desirable to work, it being understood that this standard should be raised 12 feet in the case of the top floor, and also in the case of those class rooms situated furthest from the furnace and subjected to a greater amount of cooling surface.

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