

## TRADE NOTES

**CANADA CEMENT** is being advertised throughout the provinces for its adaptability to the needs of the farmer. Instead of telling the farmer the many uses to which cement can be applied, through a competition program the Canada Cement Company asked the user to tell by description and photograph how he has used the material. In order to bring the largest number of responses, a series of four prizes was offered. To the farmer in each province who has used during 1911 the largest number of barrels of Canada cement, one hundred dollars; the farmer who has used Canada Cement for the greatest variety of purposes, one hundred dollars; one hundred dollars for the best and most interesting photograph of cement work done on the farm, and one hundred dollars for the best and most complete description, dealing with cost of work, etc. The method of competition was such that the farmers of each of the nine provinces compete, making a separate competition in each province. In this investment of thirty-six hundred dollars Canada Cement will certainly be well advertised. A committee of disinterested persons has been asked to adjudicate the competition, which closed this month.

Among the unique contributions received was a Scotch poem written by the wife of a farmer in Ontario, which we print herewith:

"CANADA CEMENT."

By Mrs. W. Buchanan.

Ye Farmers a', on you I ca'  
Tae see if ye hae kent  
The uses, different uses o'  
And merits o' Cement.

If ye hae no, I'll tell ye noo,  
I'll tell ye fair and square;  
Ye'll never get a better thing,  
For building or repair.

First buy Cement, and money spent  
This way, you'll find is gain;  
Then mix it right, and tamp it tight,  
'Twill dry as hard's a stane.

And it will last and stand the blast,  
Where nothing stood before.  
If once a job is done O.K.,  
'Twill ne'er need doing more.

In days gone by, materials used  
Were wood, and stane, and steel.  
'That they were guid, I hae nae doot,  
And served their purpose weel.

But noo the world is moving fast,  
As ne'er before it went;  
And in this age, what's all the rage,  
Is "Canada Cement."

One of the most interesting photographs received was

that of an old farmer and his wife, each with a hoe mixing concrete on a platform, and each with a Canada Cement bag as an apron. The judges of the competition were Professor Day of Guelph Agricultural College; Professor Gillespie of Toronto University, and Robert Craik McLean, Editor of CONSTRUCTION.

**THE MOST SERIOUS** problem met with in the use of steel or iron in any unprotected form is its deterioration through corrosion. Viaducts subject to the action of the elements or the corroding sulphur fumes from engines, bridges that are so apt to deteriorate in members that may be overlooked in inspection, tanks, roofs, etc., all necessitate the use of some coating that will resist corroding. Messrs. Wailes Dove and Company, of Newcastle-on-Tyne, who have opened an agency for the sale of their goods in Montreal, manufacture these materials that have been so essential to the shipbuilding, bridge building and structural steel trade in England for over twenty years. The results obtained from every character of steel structure have fully justified their use.

There are three compositions manufactured by the company. First—Bitumastic solution for protecting iron and steel work in whatever connection, from corrosion, and being perfectly elastic it does not scale off or break in any way, nor is it effected by heat or cold. This is applied like ordinary paint, and is guaranteed to last intact for years without further painting.

Second—Bitumastic enamel is of somewhat similar composition, and is used principally for coating bunker spaces, tank tops and frames of steamships and for heavy bridge work, and is exceedingly durable. This must be applied hot and will dry permanently within a few seconds of application.

Third—The third product is bituros, and this composition has been specially prepared to meet a long felt want. A composition that will permanently protect from corrosion iron and steel water tanks, used for drinking water purposes without imparting to the water any disagreeable flavor or discoloration, and being of an elastic and strongly adhesive nature it will not crack or peel off, and when once properly applied no renewal is necessary.

These various substances have been used extensively in Great Britain and the United States for many years for protecting ships, floating docks, bridges, structural iron work, roofing, tanks, refrigerating machinery and metal work of all kinds. An example of the impervious quality of Bitumastic enamel is found in a pontoon of Smith's Dry Dock Company, Newcastle-on-Tyne, which was coated with enamel. It was removed from the water recently after seventeen years in immersion, and the plates, bolts and rivets were found perfectly intact—a strong testimonial of the quality of Bitumastic enamel. Messrs. Machan and Hebron, 55 St. Francois Xavier street, Montreal, are the agents for these rust-resisting compounds.