U. S. Cement Works.

In 1898 there were 31 works in the United States producing 3,02,234 barrels of Portland cement, valued at \$5,070,773, and in 1898 there were 36 \$5,070,773, and in 1898 there were 36 \$5,070,773, and in 1898 there were 36 \$5,070,773, and in 1898 there were 46 \$5,070,773, and in 1898 there were 46 \$1,070,773, and in 1898 there were 46 \$1,070,773, and in 1898 there were prelimined states where Portland varial, New Jersey, New York, Ohlo, and Michigan. In the Lehigh Valley region in Eastern Pennsylvanta and an immense deposit of chapity valley of the state of the stat U. S. Cement Works the annual production in four years would exceed the amount at present made in Germany. Over 70 per cent of the coment made in the United States is now burned in rotary the Vertical Vacciety and give a larger output. It has been found that the Dieszech kills turns out from 76 to 80 barrels per day, with a fuel consumption of about 20 per cent, by weight of the Vertical States of the Vert klins produce from 40 to 80 barroles per day, with a consumption of fuel of about 30 or 40 per cent, while the rotary variety will acoduce from 120 to 160 barroles per day, with a con-sumption of solid fast of about 40 per sume more fuel than other kinds, the cost of labor is considerably less, viz. 2½ to 4c per barrel by the rotary and from 12 to 14c by the condituous shift kilas. Further, it requires five shift kilas to equal the product of two rotaries, and the cost, kila for kila, is what. Allowether there appears to be what. icins to equal the product of two rotarries, and the coots, kiln for kiln, is slightly less in the care of the rotary and the control of the care of the rotary and extend cents per barrel in favor of rotary kilns, which is likely to be increased as further improvements are adopted. In modern substituted ee eliminate labor, and crude performents are adopted. In modern substituted ee eliminate labor, and crude performent and crude performent and crude performent many control of the labor can be considered to the labor and crude performent performent many control of the labor can be considered as well as lighting. In the best arranged works the rosk, from the time it is noted into trunks in the quarry to the for shipment, is not once moved by hand, the only manual labor employed in the military to the for shipment, is not once moved by hand, the only manual labor employed in the military to the for shipment, is not once moved by hand, the only manual labor employed and efficiently handling the materials is introduced wherever possible, and generally daplicated to avoid delays and efficiently handling the materials is introduced wherever possible, and generally daplicated to avoid delays quantities of natural rock cement are amanufactured, chiefly in the state of Indiana and New York. In 1881 there are also also the total consumption of imported Portland cement during that year was 2-108.888 barrels, and of the domestic desired and the labor and the labor and the labor and the control of the total consumption of all kinds of cement up to 17,628.883 barrels.

### A World Wide Cause,

The-association cause among retail-ers is gaining new friends every day and is extending in ascope, until it is now world wide in its membership and the Bulletin and Trade of Minneapo-lis, will be found a review of what is being done in the Australian colonies in this direction. The Victorian Asso-members the best retailers in Vic-toria, Australia, is comparatively young in years, but it is making a re-cord for itself along the lines of prac-bership. This association is organized along lines similar: to the American The association cause among retailbership. This association is organized along lines similar to the American state associations, and it has taken up many trade abuses with English firms selling goods at wholesale and with Australian manufacturers, having cor-rected many existing evils within the two years that it has had an existence. A paid secretary is maintained, there is a contral office in Melbourne, the work at a contral office in Melbourne, the work at the contral office in Melbourne, the work including the furnishing and information concerning clerks and customers, and the section of the world have found arrangement for their general good. This organization is, perhaps, more aggressive than the British Pederation of Grocers, and it has a wider scope-tions. Undoubtedly in this fact alone may be found the cause of its rapid growth from a membership of less than 200, a couple of years ago, to a present into the contral of th One of these days there will be a great rush of retailers everywhere to be-come identified with the association cause. Nothing brings success like success, and the association move-ment, in its world wide inception of toment, in its world wade inception of to day, is meeting with success after success that cannot fail to make i stronger and better in the eyes of ever the most ignorant and unprogressive

#### Life of Locomotives.

(Boston Herald.)

We alluded the other day to the record made of the other day to the record made of the other day to the record made of the Great Northern Railway, which had just completed its four millionth mile, having been running since 1870, and being still regularly employed in announced that this is not by any means the oidest British locomotive still at work. In the southeast of Irealization, the was built in 1846. This railway in the self is rather a curtosity. It is only seven and one-quarter miles long, and is entirely isolated from all other lines. Its route, and no sldings. The platforms of the two terminal stations are built on the same side of the track, so forms of the two terminal stations are built on the same side of the track, so that the cars are provided with doors on but one side. Another English locomotive, built in 1845, is still in use on the Chemin de Fer du Nord of France, the Chemin de Fer du Nord of France, and the Fer du Nord of France, and the Per du Nord of France, and the season of the side of the years ago, which are still perfectly re-liable in every way. American build-ers can show nothing even remotely 'loco' may be as short as ten years. It would certainly be considered aged at fifteen. And I should imagine there old locomotives in the whole of the United States that are regularly en-gaged in the passenger service of any final than the passenger service of any 'We should like to know on this point.

We should like to know on this point We should like to know on this point if there is any economy in running engines for so many years. In that time they must certainly get very constantly reade in engine construction. Is it not easily possible that some British roads run a locomotive when it would be economy to send her to the scrap heap and replace her with a modern machine?

## Valuable Experiment.

special correspondent of the A special correspondent of the To-ronto Globe, who has been paying a visit to the West, in the course of a letter to that Journal has this to say of certain experiments in wheat grow-ing made at the Brandon Experiment-al Farm and elsewhere:

The location of a Dominion experi-

mental farm at Brandon has done much to improve the quality of the farming in the distinct of the farming in the farming in the farming in the farming the distinct of the farming the distinct of the farming the distinct of th

of wheat.

The only trouble nociceable in this district is the result of last week's heavy storm of rain and wind. Many fields of oats have been knocked down

fields of outs have been knocked down as a result.

Complaint 4s made, 400, of the pre-sence of rust in some of the fields that were sown late.

Right of the field out in the dis-trict in comparison with the amount of straw. The explanation gaves here is that there was some extremely hot weather just at the time the heads were forming. Men who have observed.

that there was some extremely hot that there was some extremely hot were forming. Mer who me the heads were forming, Mer who me to head and the weather conditions in Dakota and thin weather conditions in Dakota and thin seasons as a that this has always been the result of such weather cherrical and the same way.

The farm itself has wheat that will yield perhaps fifty bushels to the across the same way.

The farm itself has wheat that will yield perhaps fifty bushels to the across the same way was a supposed by the same way. The farm itself has wheat that will be a same way to the same way t

been developed for economic reasons in India, while climatic conditions have governed in Russia.

India, while climatic conditions have governed in Russia with the control of the control ton, seems to have given most conton, seems to have given most proposed and searly Russian wheat. It ripens in an average season about four days earlier than the pure Red Fyfe, but in rapid-growing seasons even this tity of growth is gained at the sacrifice of fuliness and weight in the head, so the general opinion still favors Red Fyfe. The farmers do not wish to return than the largest possible even though there is a slight increase of rish of frost. As yet, too, the government of frost. As yet, too, the government of the first proposed in the proposed season of the first proposed season which is the season of the first proposed season of the

standards require No. I hard to contain To per cent. of Red Fyfe.
Experiments of a similar sort were carried on last year at the Caligary.

In the California of the California of the Northwest "erritories, but an early frost in August destroyed their value. The rainfail during the the contained of the Northwest "erritories, but an early the contained from the investigation also detacted from the investigation also detacted from the investigation. Three varieties, Dawn, Preston and Red Fyfe, were seeded. The notes taked an earlier maturity for the first two that would be of importance in the Territories. From one acre. Dawn gave dan earlier maturity for the first two that would be of importance in the Territories. From one acre. Dawn gave dan earlier the contained of the contain

been considerable discussion in the press and at farmers' meetings on the advisability of the general introduc-dation of the season in the decision of the But the past winter has been a most trying one, little or no evering being afforded the fail crops, and further ex-bedore offletis can form a stiefnedory jud.cnent.

While experiments at Brandon show

before officials can form a sausstacory judianeur.
Judi

### North of Scotland Canadian Mortgage Company vs Merchants Bank

Mortgage Company vs.

Merchants Bank.

On Monday at the court house chief business killiam delivered judgment laws to the court house chief business and the court house chief business and the court house chief business and certain lands to 7.

On the plaintiffs, the North of Scotland company, sold certain lands to 7.

Cann, the terms being that they were to pay for the land by delivering to the youngary half of the crop, in 1860 they stored the crop in an elevator in the store of the whole of the whole of the wheat to defendant, John Mills, who borrowed the money from the and made a payment on second. The manager of the elevator endorsed the warehous receipt far the North of Scotland Co., but it is contended, withmills sent her receipt for the North of Scotland Co., but it is contended, withmills sent her receipt for the North of Scotland Co., but it is contended, withmills sent her receipt for the North of Scotland Co., but it is contended, withmills sent her receipt for the North of Scotland Co., but it is contended, withmills sent her receipt for her house her chief to the Portage branch to Merchants bank and look up the Merchants bank and look up the Merchants bank and look up the Merchants hank and in the Merchants hank, Mill and Murner, the manager of the elevator company, to recover the value of the company a portion of the sold of the plaintiffs and directed judgment to be entered for the plaintiff company for \$303.71 and interest. Mr. Munson, Mr. Cooper, K. C. and Mr. Phippen for the Merchants bank and Mr. Howell, K. C., for Murner.

# Edmonton Homestead Entries.

Edmonton Homestead Entries.
For the past eight mouths the entries for homesteads at the Edmonton
land office have been as follows: January, 81; February, 132; Marca, 168;
April, 108; May, 284; Jane 166; July,
186; August, 150; Hars are the largeperiod in the history of the office. The
entries include the returns from the
sub-agencies at Ponoka, Wetaskiwin,
cona. The Leduc office is now closed.
The returns of the office for the official year show that from the 30th
June, 1309, to 30 the for the official year show that from the 30th
June, 1309, to 30 the for the
steads as compared with 1,032 for the
preceding official year, a difference of
just 600 in favor of this year. There
year just closed 508 serip, comprising
60,764 acres of land—Bulletin.

WANTED—SEVERAL PERSONS OF character and good reputation in each resent and advertise oid established wealthy business house of solid financial penses additional, all payable in each each Wednesday direct from head offices. Horse-ferences, Broice self addressed stamp-ed envelope. Manager, 316 Caxton Build-ing, Chicago.