eight feet long is split in half. The halves are placed parallel to one another, the edges down and flat face this position, with three cross-bars wedged into was issued last week by the Department of Agriculand the United States, while a German scientist is to the front. They are firmly braced together in holes bored through the log. A chain-hitch is attach- ture. The total area in grain crops was 6,898,559 sired angle, say forty-five degrees, the forward corner farm for the province was 84.9 acres. The acreage commanded by Lieutenant Shackleton, who reached being at the outer edge of the road, and the rear of all crops in Saskatchewan in 1909 was 7,016,272. the farthest southern point last year. corner at the centre. By dragging this implement up one side of the road and down the other, making a number of circuits, using two or three horses, the edges of the log plane off the tops of ridges and rough places, drawing the material sideways and forward to fill hollows and ruts, crowning it at the center of the road. This drag, used eight or ten times during the year on an earth road, while the earth is in a moist condition after a rain, will keep an earth road in the best condition that an earth road can be made

Somewhat similar work may be done, and is comwith a tongue rigidly attached. Why is this not as rank among the provinces of the Dominion and and extensive as anything in America. In the same good as the split-log drag? The common scraper States of the Union as a producer of wheat and oats. district there are said to be large asphalt deposits, requires in operating it two teams and two drivers, which handicaps its use very materially. To secure 90,700,000 bushels are the only states that produced petroleum and paving material for Western Canada. two teams and two drivers is seldom an easy matter more wheat than did Saskatchewan. After Sas- Some leading business men in Winnipeg and capitaland the common practice has been for a pathmaster katchewan comes Kansas with 87,000,000 bushels. ists from the United States are interested. to charge half a day for procuring them. Even then Minnesota's average yield was 16.8, North Dakota's the one has to wait on the other, and they seldom was 13.7, Saskatchewan's 22.1, Kansas 14.1, United can get on the road when the soil is in the best con- States' 15.8. Illinois and Iowa were the only states dition for its use. The split-log drag can, if properly in the Union that produced more oats than did made, be handled by one team of horses and one Saskatchewan in 1909, their production being thousand miles in length and would cost fifty million driver, and takes less time to use it on the road than 159,000,000 and 116,000,000 bushels respectively, dollars. It is claimed that the Peace River Valley does the ordinary scraper, as two round trips can be as against Saskatchewan's 105,465,000 bushels. made on a half mile of road in less than an hour with Illinois' average yield was 36.6, Iowa's 27.0, Sasgood results. The split-log drag is more cheaply katchewan's 47.1, Minnesota's 33.0, and United States and easily made than the single-blade scraper, and 30.3 bushels per acre. Saskatchewan produced very every farmer can have one in his own barnyard, nearly one-eighth as much wheat as did the United Being cheaply made and easily handled, it can be States and more than one-tenth as much oats. driven out on the road at the noon hour, or at any The average price on the farm for all grades of the slack period, with little loss of time. The angle at wheat crop was 84c per bushel, which means that the the single-blade scraper, and the operator, by step- The oat crop at an average price of 26c per bushel, ping from one end to the other, can change the angle was worth \$27,420,000, and the total value on the farm log drag being made of two parallel blades, instead in 1909, together with that of milk and its products distributing service which it wires over the country of one, rides over the hollows, drops earth into them, and fills them up, whereas the single-blade scraper tends to go into depressions and make them deeper; and finally, the split-log drag can be used earlier in the spring, or at any time when the road is extremely

The split-log drag by no means does away with the grading machine. On the contrary, it, if anything, makes the grading machine more valuable, The work of the grading machine is to construct, but the sphere of the split log drag is to repair and maintain. Districts where earth roads prevail and grown by less than 12 per cent. of the estimated commonly use the grading machine on the main roads areable acreage in the province south of parallel 55. year after year to keep them in repair. As a result the side lines and little-travelled roads have been neglected, and have not been improved as they brought from the east on seven excursions and disshould be by using the grading machine. By est tributed throughout the province. This province settlements are increasing so rapidly that the strength of the horizontal ways 65 var cent of the horizontal with a contract of the horizontal ways 65 var cent of the tablishing a proper scheme on any "earth road" for received over 65 per cent. of the harvesters who came the use of the split-log drags, these can be made to west this year. take the place of the grading machine for repair, while the grading machine can be sent on its proper 1,758,000 acres of new land and 1,772,000 acres of mission of construction, to outlying roads which have summer fallow, together with a large area of fall some of the increased cost of meat is going, when heretofore been neglected and upon which it is so ploughing, ready for the 1910 crop. much needed.

Alberta Creameries Convention

The convention ment creameries of Alberta, held at Red Deer, on There are in the province at the present time 842 important one in the history of the creameries. bushels. Some forty delegates were in attendance, and Hon. Duncan Marshall, George Harcourt, deputy minister of agriculture; C. Marker, dairy commissioner and W. F. Stevens, live-stock commissioner were also present.

that the creameries should take up a greater share at Los Angeles, Cal. A Frenchman, in a frame of of the work than has been done in the past; that patrons should be paid according to the quality of the cream supplied by them, and that the creameries should be paid in accordance with the quality of the butter shipped into cold storage. By these changes it is expected that the high standard now secured for government creamery butter will be south of Bow Island, were thrown open for home- Boadicea. A Bristol is a protected cruiser of 4,800 maintained, and the careful farmer will no longer steading January 10, and one of the biggest rushes tonnage, carries six guns and a crew of 391, and has sent to the creamery by his careless neighbor. The doors were opened. The people began lining up cruiser of 3,300 tonnage, carries six four-inch guns delegates were unanimous for the change, and it is early the day before, and at least a thousand were and a crew of 278 men. The destroyers are known expected that the whole plan will be worked out in before the office door when it opened at nine o'clock, as the river-class type. It is expected that con-

issue of next week.)

Saskatchewan Crop Report

acres, and the average acreage of grain crops per British expeditions are preparing to set out, one The area in grain crops was 6,898,559 acres, compared with 5,981,802 acres the year before.

of the various grain crops was as follows:				
,	Total Acreage.	Total Yield.	Average Yield.	
Wheat	4,085,000	90,255,000	22.1	
	2,420,000	105,465,000	47.1	
	244,000	7,833,000	32.1	
Eller		4 448 700	13.9	

Minnesota with 94,000,000, and North Dakota with the company aiming to develop also and supply

which it travels along the road is not fixed as with wheat crop was worth \$75,780,600 to the producers. C. P. R. in the matter of the application of the

according to the requirements of the road. The split- of all grain, roots, fodder crops raised in Saskatchewan own news service. The C. P. R. maintains a news

9	was \$132,539,242.
r	There were in Saskatchewan on July 1, 1909:
į	429,766 horses, valued at \$21,488,800
1	234,458 milch cows, valued at 8,637,946
	594 632 head of other cattle valued at 11 892 640
	152,601 sheep, valued at
I	352,385 swine, valued at
	Poultry valued at
7	making a total of argicultural assets in the province
Ĺ	valued at \$178,421,961, owned by 81,303 farmers,

In harvesting this immense crop, the farmers of Saskatchewan received aid from 12,500 harvesters

There are in the province at the present time

The above figures both of acreage, yield and numbers of live stock, were compiled from the reports of 20,000 individual farmers and the average yield from \$101,000,000 to \$112,924,296. It also shows was verified for the reports of several thousands of

January 5th and 6th, 1910, was probably the most grain elevators, having a total capacity of 2,729,000 that it put away the enormous surplus of \$4,000,000

Events of the Week

Some sensational feats in air navigation were ac Among the important points decided upon was complished at the flying competition held last week wood covered with silk, mounted to a height of 5,000 feet, breaking the world's record for altitude. The contest was the largest of its kind yet held in America.

ever seen in Lethbridge was on when the land office a speed of 25 knots. A Boadicea is a non-protected (A full report of this meeting will appear in our had friends bring them food or relieve them in the as soon as the measure is adopted by parliament

Ouite an exciting race promises to develop this year for the honor of discovering the South Pole, The final crop report for Saskatchewan for 1909 Expeditions are being fitted out in France, England endeavoring to get a fourth one under way. Two

Interest in the British elections was maintained The acreage, total yield and average yield per acre at fever heat all week. Leaders on both sides have been going over the same arguments, and very little new matter has been touched on. Ninety-one elections were held on January 15 with the following results: Liberals, 34; Unionists, 43; Labor, 9; Nationalists, 5.

A company has been formed with a proposed capital of five million dollars to develop the oil fields in the district of Fort McMurray, 400 miles This yield of crop places Saskatchewan in the third north of Edmonton, which are said to be as rich

> It is said that certain American and English capitalists are considering building a railway from Winnipeg to the Yukon. The line would be two and the mineral wealth of the Yukon country would provide lucrative traffic for the road. It is unknown to what extent the scheme has been considered. J. J. Hill and Jos. E. Leiter are among the American financiers interested; Lord Fitzroy is one of the English promotors.

The Railway Commission has decided against the Western Associated Press to prevent the railway descriminating in press despatch rates in favor of its on its own wires at a cheaper rate than it would allow the Associated Press. The commission rules 0 that the same rates must apply to the company's service as to the Associated Press.

The Royal Northwest Mounted Police report for 1909 states that on September 30 last the strength of the force stood as follows: 51 officers, 600 noncommissioned officers and constables, and 558 horses. Compared with last year this is a gain of two constables and 35 horses. There are 240 men in Alberta, 306 in Saskatchewan, 31 in the Northwest Territories and 74 in Yukon. Commissioner Perry points out that villages, railway stations and isolated settlements are increasing so rapidly that the strength mands made upon it.

The American public got an idea last week where Swift & Company, one of the largest Chicago packers issued their annual statement to stockholders. It shows that in 1909 the company's assets increased that it distributed \$4,200,000 to the holders of \$60,000,000 of stock its \$5,000,000 worth of bonds, that it set aside a out of last year's profits alone. The total surplus of the company to date is \$22,000,000, which is more than 35 per cent, of the total capital of the com-

The measure providing for the naval defence of the Dominion was laid before the House of Commons by the Premier, January 12. It provides for a navy to consist of five cruisers and six destroyers, eleven million dollars being the estimated cost of construction and three millions the estimated annual cost for maintenance. The cruiser unit will consist Twenty-one townships in Southern Alberta, due of four warships of the Bristol type and one of the Some brought lanterns in boxes to supply heat, and struction work on these vessels will be undertaken and arrangements can be made for building.