

New York Wheat.

New York, Aug. 6.—Wheat, Sept. opened 80½¢, closed 80½¢ b. Dec. opened 82½¢, closed 82½¢ a.
 New York, Aug. 7.—Wheat, Sept. opened 81½¢, closed 81½¢ b. Dec. opened 83¢, closed 83¢ a.
 New York, Aug. 8.—Wheat, Sept. opened 80½¢, closed 80½¢ a. Dec. opened 82½¢, closed 82½¢ a.
 New York, Aug. 9.—Wheat, Sept. opened 81½¢, closed 81½¢. Dec. opened 83½¢, closed 83½¢.
 New York, Aug. 10.—Wheat, Sept. opened 81½¢, closed 81½¢. Dec. opened 83½¢, closed 83¢ b.
 New York, Aug. 11.—Sept. wheat closed to-day at 80½¢; Dec., 82½¢.

Chicago Board of Trade Prices.

Chicago, Aug. 6.—Wheat, Aug. opened 74¢, closed 74¢. Sept. opened 75¢, closed 75¢. Oct. opened 76¢, closed 76¢. Corn, Aug. opened 38¢, Sept. opened 37½¢, closed 37½¢. Oct. opened 36½¢, closed 36½¢. Oats, Aug. opened 29½¢, closed 29½¢. Sep. opened 29¢, closed 29¢. Pork, Sept. opened \$11.75, closed \$11.85 b. Ribs, Sept. opened \$7.05, closed \$7.12. Oct. opened \$7.05, closed \$7.10. Lard, Sept. opened \$6.77, closed \$6.82. Oct. opened at \$6.82@6.85, closed \$6.82 b.
 Chicago, Aug. 7.—Wheat, Aug. opened 75½¢, closed 75½¢. Sept. opened 76½¢, closed 76½¢ b. Oct. opened 77¢, closed 77¢. Corn, Aug. opened 38¢, closed 38½¢. Sept. opened 38½¢, closed 38½¢. Oct. opened 37½¢, closed 37½¢. Oats, Aug. opened 29½¢, closed 29½¢. Sept. opened 29½¢, closed 29½¢. Pork, Sept. opened \$11.97, closed \$11.87 a. Oct. closed \$11.90. Ribs, Sept. opened \$7.20, closed \$6.85. Ribs, Sept. opened \$7.20, closed \$7.21. Lard, Sept. opened \$6.85, closed \$6.85. Oct. opened \$6.90, closed \$6.90. Flax, cash \$1.34. Oct. \$1.24½ b. Sept. \$1.25½ b.
 Chicago, Aug. 8.—Wheat, Aug. opened 75½¢, closed 74½¢ a. Sept. opened 75½¢, closed 75½¢ b. Oct. opened 76½¢, closed 76½¢. Corn, Aug. opened 38½¢, closed 37½¢. Sept. opened 38½¢, closed 37½¢. Oct. opened 37½¢, closed 37½¢. Oats, Aug. opened 29½¢, closed 29½¢. Sept. opened 29½¢, closed 29½¢. Pork, Sept. opened \$11.85, closed \$11.77. Oct. closed \$11.85. Ribs, Sept. opened \$7.15, closed \$7.15. Lard, Sept. opened \$6.85, closed \$6.85. Oct. opened \$6.90, closed at \$6.85@6.87. Flax, cash \$1.32. Aug. \$1.28½ b. Sept. opened \$1.29½ b. Oct. \$1.29½ b.
 Chicago, Aug. 9.—Wheat, Aug. opened 75½¢, closed 75½¢. Sept. opened 76½¢, closed 76½¢. Corn, Aug. opened 38½¢, closed 38½¢. Sept. opened 38½¢, closed 38½¢. Oct. opened 37½¢, closed 37½¢. Oats, Aug. opened 29½¢, closed 29½¢. Sept. opened 29½¢, closed 29½¢. Pork, Sept. opened \$11.67½, closed \$11.75. Lard, Sept. opened \$6.75, closed \$6.77½. Ribs, Sept. opened \$7.12½, closed \$7.15.
 Chicago, Aug. 10.—Wheat, Aug. closed 75½¢. Sept. opened 76¢ a. closed 76¢ b. Oct. opened 77¢, closed 76½¢. Corn, Aug. opened 39¢, closed 39½¢. Sept. opened 39½¢, closed 39½¢. Oct. opened 38½¢, closed 38½¢. Oats, Aug. closed 29¢. Sept. opened 29½¢, closed 29½¢. Pork, Sept. opened \$11.65, closed \$11.72. Oct. opened \$11.75, closed \$11.80. Ribs, Sept. opened \$7.10, closed \$7.12 a. Oct. opened \$7.05 a. closed \$7.07 b. Lard, Sept. opened \$6.72@6.75, closed \$6.72. Oct. opened \$6.77, closed at \$6.77.
 Chicago, Aug. 11.—September wheat opened at 76¢ and ranged from 75½¢ to 76½¢. Closing prices were:
 Wheat—Aug., 75¢; Sept., 75½¢.
 Corn—Aug., 38½¢; Sept., 38¢.
 Oats—Aug., 29½¢; Sept., 29½¢.
 Pork—Aug., \$11.55; Sept., \$11.60.
 Lard—Aug., \$6.65; Sept., \$6.67½.
 Ribs—Aug., \$7.05; Sept., \$7.05.

A week ago September option closed at 75¢. A year ago September wheat closed at 70½¢; two years ago at 69½¢; three years ago at 84¢.

CHICAGO FLAX MARKET.

Chicago, Aug. 11.—The market for flax seed closed to-day at \$1.35 for cash; Sept., \$1.32; Oct., \$1.28.

LIVERPOOL WHEAT.

Liverpool, Aug. 11.—Wheat closed ½ to ¾d lower.

WINNIPEG CLOSING WHEAT.

Market dull and nominally lower to-day at 80½¢ for No. 1 hard, in store, Fort William.

MINNEAPOLIS WHEAT.

Minneapolis, Aug. 11.—Wheat closed at 74½¢ for Sept., and 76¢ for Dec. Cash No. 1 hard closed at 77½¢ and cash No. 1 northern at 75½¢.

DULUTH WHEAT MARKET.

No. 1 northern wheat at Duluth closed as follows for each day of the week:

Monday—Sept., 77½¢; Dec., 77½¢.
 Tuesday—Sept., 78¢; Dec., 78½¢.
 Wednesday—Sept., 77½¢; Dec., 77½¢.
 Thursday—Sept., 78½¢; Dec., 78½¢.
 Friday—Sept., 77½¢; Dec., 78½¢.
 Saturday—Sept., 77½¢; Dec., 77½¢.
 Cash No. 1 hard closed on Saturday at 79½¢, and cash No. 1 northern at 77½¢.

A week ago Sept. wheat closed at 76½¢. A year ago September wheat closed at 70½¢; two years ago at 66½¢; three years ago at 84¢; four years ago at 55½¢; five years ago at 65½¢; six years ago at 54½¢.

Winnipeg Grain Inspection.

For the week ending August 4 there were 168 cars of grain inspected, which graded as follows:

Wheat—1 hard, 97; 2 hard, 16; 1 northern, 0; 2 northern, 0; 3 hard, 29; 1 frosted, 1; 2 frosted, 0; 1 rejected, 4; 2 rejected, 0; no grade, 13; condemned, 2 cars.

Oats—2 white, 3; feed, 3 cars.

Manitoba Wheat Stocks.

There were 1,261,765 bushels of wheat in store at Fort William on Aug. 4. Receipts for the week were 68,228 bushels, and shipments were 61,166 bushels. A year ago stocks in store at Fort William were 1,997,000 bushels and 312,000 bushels two years ago. Stocks of wheat at Fort William Port Arthur, Keewatin, Winnipeg and Interior points were estimated approximately at 2,725,000 bushels, compared with 3,925,000 bushels a year ago; 800,000 bushels two years ago.

Western Business Items.

F. L. Waterous, president of the Waterous Engine Works Co., paid Winnipeg a visit last week.

First shipments of crabapples are expected in by local wholesale fruit dealers early next week from the south.

James Ross, formerly of Winnipeg, has purchased from H. C. Clay the Herald newspaper of Hamiota, Man., and will lat once take possession.

The town council of Portage la Prairie has announced its rate of taxation for 1900. The rate has been fixed at six mills on the dollar, exclusive of school taxes.

An early closing by-law went into force in Manitou this week, compelling all but a few specially mentioned lines of business to close at 7 p. m. each evening, except Saturday and days preceding holidays, when 9.30 is the closing hour.

One of the sights of the Winnipeg stockyards on Friday, was an enormous bull, which came in with a shipment of Gordon & Ironside's cattle, from Yorkton. His weight was about 2,300 pounds, and age a little over six years.

Scientific Miscellany.

The greatest possible duration of a total eclipse of the sun has been accurately computed by the president of the Leeds Astronomical society, whose determination will succeed a more imperfect one made 123 years ago. Five conditions are necessary to give the longest totality. The new moon, at or near the point where the orbit crosses that of the earth, must also be at its nearest approach to the earth; the sun must be at its greatest distance away; totality should occur at local noon, with the shadow moving along a parallel of latitude, in order that the diurnal motion of the observer may have its full effect in detaining him within the shadow; the sun and moon should be in the zenith, so that the shadow may be as large as possible; the observer should be on the equator, so that his motion may be as rapid as possible. The fourth and fifth conditions cannot occur simultaneously, the fifth being the more favorable. The earth's radius, or semi-diameter, being taken as 3,963,296 miles, and the moon's radius as 1,080 miles, it is found that the maximum totality will be about 7 minutes 40 seconds, and the eclipse should be observed at noon near the fifth parallel of north latitude about the beginning of July. The longest eclipse of the twentieth century will occur June 20, 1955, and will have a totality of 7 minutes 24.5 seconds, the moon point being at 17 degrees longitude and 15 degrees north latitude.

The plan of using floating nets to reduce the force of waves at sea or at the mouths of harbors is being tested by Baron Benvenuto d'Alessandro, an Italian, living in Paris. Such nets form a crust over which the waves cannot climb and under which they become much flattened out. A net lately made is 360 feet long and 50 feet wide, with square meshes of 1½ inches, the material being waterproof hemp, and the weight less than half an ounce per square foot. This was anchored at the port of Havre to protect some unfinished hydraulic works from a heavy surf, but the effect could not be favorably observed.

The detection of silicon in one of the fixed stars is reported by J. Lunt. Three unknown lines had been previously noted in the spectrum of this star (Beta Crucis) and while examining the spectra of tubes of carbonic oxide and argon, this observer discovered the same lines. As a strong electric discharge was passing through the tubes and the lines did not appear with a weak discharge, it was suspected that the spectra was affected by disintegration of the glass. Further investigation proved this conclusion correct, and that the lines were due to silicon.

Colored vision as an effect of snake-bite, is reported by Richard Hilbert. A young girl was bitten on the toe by a snake, the bite causing stiffness and pain which lasted seven weeks and a half. A bluish discoloration over the abdomen continued fourteen days. The most curious symptoms appeared on the second day, when all bright colored objects were found to be yellow.

From the experiments at Sassari, Sardinia, it is estimated that a town of 50,000 inhabitants may be kept free from mosquitoes for \$250 a year. The swamps and other breeding spots are covered with petroleum to kill the larvae, and the mosquitoes are exterminated by means of chlorine and other powerful chemicals.