

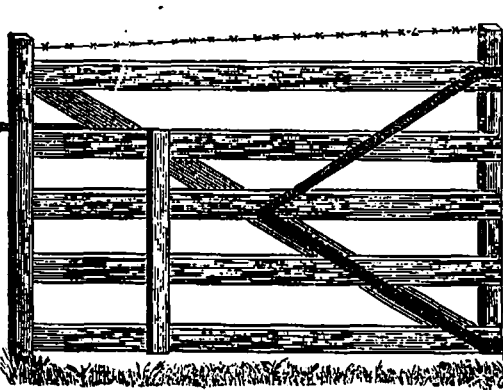
will be seasoned in two or three weeks, so that it will become tough and very durable. In those parts of our country where frosts come late, the seasoning will be almost as rapid and the wood nearly as durable if cut as late as the first of October; but the very best results are in August cutting of trees.

We have seen a great many estimates given as to the durability of different woods; but a great deal depends upon the time when the trees were cut, and the management after cutting. For posts, trees should always be cut during the last stages of active growth; then the limbs should be allowed to remain just as when fallen for several weeks, then work up the wood for your posts. They will last at least three times as long as if treated in any other way. The moment you strike the axe into such a piece of wood, you will realize the difference between that and common winter felled trees. It will be entirely free from sappy, spongy, soft layers; it will be uniformly tough and solid; it will contain none of the elements of rapid decay visible in the sour smell of other wood. It will require good, honest, hard strokes to work it up.

How to Utilize an old Wagon or Buggy Wheel.

Below we publish two clippings which suggest good use for worn out wagon or buggy wheels. Farm gates being necessarily very wide, they generally sag down and drag, taking considerable time and patience to open and close them. The first paragraph suggests an effectual means of overcoming the difficulty cheaply. The idea advanced in the second paragraph is ingenious and will be highly appreciated by large land owners and prairie farmers, who may wish to possess a means of quickly laying off their farms for sowing, fencing, etc.:

STRONG GATE HINGES AND BRACE.—Among the many purposes to which old wagon tires may be applied is the gate-hinge illustrated below. An old tire, too much worn for further service in its original capacity, is cut in two at the middle, and one end of each piece is turned with an eye or socket to form half of a hinge. Then four inches from the socket the bar is bent to an angle as shown in the engraving. The other ends of the two pieces are then welded together in the form of a V, the width of the open end being governed by that of the gate. The lower hinge is made in the usual manner, with

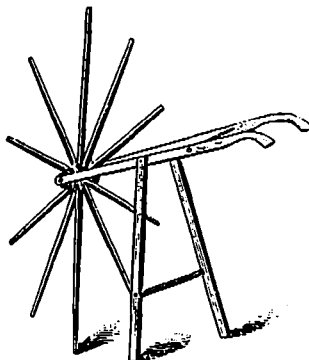


A WELL-BRACED GATE. (Fig. 1.)

an upright pin at one end, and a thread and nut at the other (see Fig. 1). The upper one may be made in the form of a band which is driven over the gate-post and fastened by nails driven through holes punched for the purpose in the band. This form of hinge and brace was devised by Leon Hay, Kan-
kakee Co., Ill., who furnished us the sketches for our illustration.—*American Agriculturist*.

LAND MEASURING: AN EASY METHOD.—It is simply an old wheel having ten or twelve spokes, the rim being removed and the spokes left in such shape as to have just one foot between the outer ends. A short axle is passed through the hub, and is fastened to pieces which form the handles, and which latter are then supported by light legs for keeping the machine in an upright position. One spoke is painted different from the others or may have a tag tied to it for ease in counting. It will be seen that by each revolution of this wheel, it

counts ten or twelve feet, according to the number of spokes, and forms an easy and rapid method of



(Fig. 2.)

getting the dimension of any desired land area.—*Popular Gardening*.

The Harvest of 1888.

As a matter of record and for ready reference, we append a portion of the report from the Ontario Bureau of Industries regarding the crops of 1888. The estimates are based on reports from 870 correspondents.

The returns cannot, of course, be taken as absolutely correct, but as approximations to the truth they may be useful. The compilations for the different years being all made out in the same way, the comparisons may be taken as relatively correct.

Crops.	Acres.	Bushels.	Bush. per Acre.
Fall Wheat:			
1888.....	826,537	13,830,787	16.7
1887.....	897,743	14,440,611	16.1
1882-8.....	948,041	18,778,659	19.8
Spring Wheat:			
1888.....	367,850	6,453,559	17.5
1887.....	484,821	5,633,117	11.6
1882-8.....	589,210	9,248,119	15.7
Barley:			
1888.....	895,432	23,366,569	26.1
1887.....	767,346	17,134,830	22.3
1882-8.....	757,525	19,766,436	26.1
Oats:			
1888.....	1,349,868	65,466,911	35.4
1887.....	1,682,463	49,848,101	29.6
1882-8.....	1,569,372	55,997,425	35.7
Rye:			
1888.....	84,087	1,295,302	15.4
1887.....	68,362	894,887	13.1
1882-8.....	110,760	1,814,636	16.4
Pease:			
1888.....	696,653	14,269,863	20.5
1887.....	726,756	12,173,332	16.8
1882-8.....	635,414	13,123,509	20.7
Corn (in the ear):			
1888.....	222,971	17,436,780	78.2
1887.....	163,893	8,404,752	51.3
1882-8.....	182,084	12,290,797	67.5
Buckwheat:			
1888.....	57,528	1,222,283	21.2
1887.....	64,143	1,025,353	16.0
1882-8.....	61,685	1,367,427	22.2
Beans:			
1888.....	22,700	534,526	23.5
1887.....	20,275	275,975	13.6
1882-8.....	22,060	465,182	21.1
Potatoes:			
1888.....	153,915	22,273,607	144.7
1887.....	140,233	10,678,000	76.1
1882-8.....	153,766	18,919,185	121.5
Mangel-wurzels:			
1888.....	21,459	10,020,659	467.0
1887.....	17,924	5,695,761	317.8
1882-8.....	17,906	7,826,216	437.1
Carrots:			
1888.....	11,524	3,898,534	338.3
1887.....	9,110	2,105,686	231.1
1882-8.....	10,162	3,590,993	353.4
Turnips:			
1888.....	113,188	45,466,183	401.7
1887.....	105,322	31,413,456	298.2
1882-8.....	100,171	39,246,211	391.8



A Summary of News for the Past Month.

1st.—The monument erected to the memory of the Ottawa sharpshooters, Osgoode and Rogers, unveiled at Ottawa by the Governor-General.... W. A. Foster, Q.C., a prominent Toronto citizen, died, aged 48.

2nd.—Small-pox cases reported in Buffalo.... A German war vessel bombarded a Zanzibar village.

3rd.—The Catholics of Australia and India present the Pope with \$1,000,000.... Eighty miners killed in a French colliery explosion.

4th.—Forty men massacred by pirates at a French post in Tonquin.... A Scandinavian steamer sunk in collision off Cowes; twenty persons drowned.

5th.—Birmingham, Eng., was *en fete* in honor of Mr. Gladstone's visit to that city.

6th.—Gen. Harrison and Levi P. Morton, Republicans, elected respectively President and Vice-President of the United States.

7th.—A ferry steamer sunk in collision at Calcutta; sixty persons drowned.... A disastrous fire occurs at Melbourne, Australia.

8th.—Manitoba Legislature opened.... Five men shot dead in a political melee at Livingstone, Ky.... Yellow fever increasing in Florida.

9th.—The Whitechapel murder fiend adds another to his list of victims.... Twenty-one lives lost in a Rochester fire.

10th.—A mine explosion at Pittsburgh, Kan., caused the death of over forty persons.... The *Umbria* sinks the Fabre steamer *Iberia* in collision off the American coast.

12th.—The Earl of Lucan, a Crimean hero, died.

13th.—Work on the disputed railway crossing in Manitoba has been stopped for the winter.... The Senate of Victoria University at Cobourg declared itself in opposition to the principle of federation.

15th.—Right Hon. Joseph Chamberlain married Miss Mary Endicott at Washington.... Duke Maximilian of Bavaria died of apoplexy.

16th.—Heavy gales cause loss of life and great damage to property in Great Britain.... Neil C. Love, a well-known druggist and magistrate of Toronto, died, aged 89.... Serious revolution reported to have broken out in Venezuela.

17th.—Manitoba Legislature adjourned till January.... Heavy earthquake shock at Guayaquil.

19th.—The eminent New York surgeon, H. B. Lands, dropped dead in his carriage.... Miss Macdonald, sister of the Premier, died at Kingston, aged 70.... The immigration to Canada during the ten months of the year was 146,607 persons, over 18,000 more than the corresponding period last year.

20th.—The North-West Assembly carried a motion calling for a plebiscite on the liquor question.... England has taken possession of the Cook Island in the South Pacific.

21st.—Opening of the celebrated Manitoba railway crossing case before the Supreme Court at Ottawa.... Mr. Cochrane, Conservative, elected M.P. for East Northumberland.

22nd.—Emperor William opened the German Reichstag in person.... Many children injured in a Long Island school in a panic created by the cry of fire.

23rd.—T. V. Powderly re-elected General Master Workman of the Knights of Labor.... Lord Sackville-West, British Minister at Washington, and his daughters, left New York for Europe.... Disastrous fires at Aylmer, Que., and Hamilton, Ont.... Pocomoke City, Md., almost wholly destroyed by fire.

24th.—O'Connor, the Toronto oarsman, won the sculling championship of America, beating Teemer by ten boat lengths in a race on the Potomac.... The first railway in China officially opened.... The Judson Female Institute at Marion, Ala., destroyed by fire, loss \$100,000.... Mrs. Amanda Truitt, of Ozark, Mo., killed two of her young children with a hatchet and then cut her throat with a butcher knife.

25th.—Steamer *Neirburgh* of Leith, Scotland, foundered in the North Sea and sixteen persons drowned.... The steamer *Mariposa*, which arrived at San Francisco, brings news of a sad state of affairs in the Island of Sanion, and that a decisive battle was expected on November 6 between the armies of the two rival Kings.

26th.—A fearful gale raged along the Atlantic coast; many vessels wrecked and sailors drowned.... Great Britain also visited by severe storms.... Duchess of Sutherland dead.... Petition filed asking for repeal of the Scott Act in Victoria Co.... Large barns connected with the Ontario Model Farm, Guelph, destroyed by fire, loss about \$20,000.

27th.—Diphtheria prevalent in Chicago.... Edward Hanlan, the oarsman, is again defeated by Beach in a race on the Paramatta.... Decided at a meeting of Council to call the Dominion Parliament for the despatch of business on Thursday, January 31st.

28th.—Mrs. General Sherman died.... Ex-Assistant Commissioner Munro appointed Chief of the London police, in succession to Sir Charles Warren.... Vanbront, a village in France, totally destroyed by fire.

29th.—Thanksgiving Day in the United States.... Dunkin Act sustained in Richmond County, Que., by 500 majority.... Baron Hirsch, of Vienna, donated \$5,000,000 for schools for the Jews in Galicia and Bukovina.... Mr. Bruce, Conservative, elected for the Holborn District of London, defeating Lord Compton, Gladstonian, by 965 votes.

30th.—The Governor-General and Lady Stanley visit Toronto to attend the St. Andrew's Society ball.... McClary Manufacturing Co.'s works at London damaged by fire to the extent of \$100,000.