

wanted by a casual glance. The following are the rules on which the table has been constructed :

To convert Centigrade to Fahrenheit—Multiply the number of degrees Centigrade by nine (9), divide the product by five (5), add 32 to the product, and you have the answer in Fahrenheit scale thus :

100 Cent.—Multiply by 9.

9

5)-900 Divide by 5.

180

32 Then add 32.

212 Answer—i. e., the heat of boiling water by Fahrenheit scale.

To bring Fahrenheit to Centigrade, reverse this calculation.

Fahrenheit commences at 0, which is the temperature of snow and common salt mixed.

He makes water just freezing 32°, and boiling water at the level of the ocean, or with a barometrical pressure of 30 inches, 212°.

The Centigrade scale starts from the temperature of freezing water, which it makes 0; it then considers water when boiling at the level of the ocean (or when the Barometer stands at 30 inches) 100; and the intermediate scale is divided into 100 parts or degrees; thus when the temperature is below freezing, the Centigrade scale has so many degrees "minus" attached to it. "Reaumer's" scale, also extensively used on the continent of Europe, and often referred to in books, is nearly one-fifth less than Centigrade. This Reaumer scale also commences with freezing water, as 0, and makes boiling water at the level of the ocean (or 30 inches Barometer) 80°; so that by the table here given, if you have a heat given by Reaumer, all you have to do is to add a fourth to it (which is the same as deducting a fifth), this brings it to Centigrade, and you can then refer to the table for the corresponding degree Fahrenheit. Thus :

80 Reaumer is boiling water.

Add $\frac{1}{4}$...20

100 Makes Centigrade; then look for 100 Cent., and you find 212° Fahrenheit.

These are all well-known facts; but the public, who are the chief readers of newspapers, have not scientific works always at hand to refer to, and this table may save a good deal of searching and trouble, besides placing the matter in a plain and easy point of view to those who may not have particularly studied the subject.

As both the Centigrade and Reaumer's scale start from freezing as 0, and the one makes boiling water 100° and the other 80° the added one-fourth or deducted one-fifth will not be mathematically correct in the low numbers, but the above calculation is near enough for all ordinary and practical purposes.

TABLE OF TEMPERATURE—"CENTIGRADE" REDUCED TO "FAHRENHEIT" SCALE.

Cent. Fahr't.	Cent.	Fahr't.	Cent.	Fahr't.	
0	32	36	96.4	72	161.3
1	33.4	37	98.3	73	163.2
2	35.3	38	100.2	74	165.1
3	37.2	39	102.1	75	167
4	39.1	40	104	76	168.4
5	41	41	105.4	77	170.3
6	42.4	42	107.3	78	172.2
7	44.3	43	109.2	79	174.1
8	46.2	44	111.1	80	176
9	48.1	45	113	81	177.4
10	50	46	114.4	82	179.3
11	51.4	47	116.3	83	181.2
12	52.3	48	118.2	84	183.1
13	53.2	49	120.1	85	185
14	54.1	50	122	86	187.4
15	55	51	123.4	87	189.3
16	55.9	52	125.3	88	191.2
17	56.8	53	127.2	89	193.1
18	57.7	54	129.1	90	195
19	58.6	55	131	91	196.4
20	59.5	56	132.4	92	197.3
21	60.4	57	134.3	93	199.2
22	61.3	58	136.2	94	201.1
23	62.2	59	138.1	95	203
24	63.1	60	140	96	204.4
25	64	61	141.4	97	206.3
26	64.9	62	143.3	98	208.2
27	65.8	63	145.2	99	210.1
28	66.7	64	147.1	100	212
29	67.6	65	149	101	213.4
30	68.5	66	150.4	102	215.3
31	69.4	67	152.3	103	217.2
32	70.3	68	154.2	104	219.1
33	71.2	69	156.1	105	221
34	72.1	70	158	106	222.4
35	73	71	159.4	107	224.3
				108	226.2
				109	228.1
				110	230

DRESSING MUTTON.—Everybody, says *The World*, knows that the oil which lubricates wool is disagreeable to both taste and smell. In slitting and taking off the pelt, it is difficult to prevent a contact of the wool with the flesh along the lines where the skin is first severed, preparatory to being stripped off. The accomplished butcher cannot wholly prevent this contact, and he therefore very thoroughly scrubs the parts exposed with saleratus, dissolved in cold water, which wholly removes the disagreeable odour and flavour. The farmers, for a long time, were not aware of the necessity of such purgation, which should be applied at once, as soon as the pelt, by the greatest activity, can be removed. This done, the meat is as free from the taint of wool-oil as the meat of any other animal.

Advertisements.

THE CENTRAL EXHIBITION OF Stock, Agricultural Products, Manufactures, &c., &c.,

Will be held in Guelph on the 10th, 11th and 12th of October, 1871. \$5000 are offered for premiums. Prize list can be had from the Secretary.

v3 8 21. GEO. MURTON, Sec. C. E.

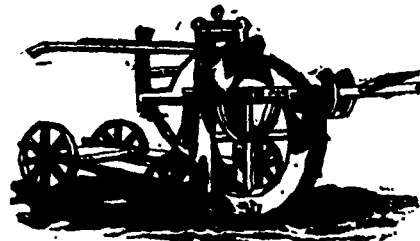
THOROUGH-BRED SHORT HORNS BULLS, COWS & HEIFERS,

Also several AYRSHIRES and some splendid CROSSES and GRADES for sale at Kingswood Stock Farm, near Beachville, Canada West.

The Station of the Great Western Railway at Beachville adjoins the farm. ADDRESS,

GEORGE GREIG,

3.8-21. Beachville P.O., Canada West.



WE BEG TO NOTIFY INTENDING PURCHASERS OF

CARTER'S DITCHING MACHINE

That the following are the only parties authorized by us to manufacture the said machine in Ontario, from whom certificates and other information as to the working of the machine can be obtained:—

- John Abell, Woodbridge P.O., County of York.
- Eyer & Bros., Richmond Hill P.O., County of York.
- I. D. Sawyer & Co., Hamilton.
- John Watson, Ayr P.O., County of Waterloo.
- McPherson, Glasgow & Co., Fingal P.O., County of Elgin.
- Do., do., Clinton P.O., County of Huron.

CARTER & STEWART, Proprietors,

v3-8-31. Aylmer P.O., Elgin Co., Ont.

VINEGAR—how made—of Cider, Wine or Sorgo, in 10 hours. F. SAGE, Cromwell, Conn.

v3-8-31.

PARTNER WANTED—In an old established Seed and Florist business; or will sell either the Seed Store or Greenhouses, as the business together is too large for one to manage. Situated in a flourishing town of 150,000 inhabitants in the States. For particulars, address— W.M. GRINTON, Dentist, Hamilton, Ont. v3-8-11.

NATIONAL

SWINE EXPOSITION,

TO BE HELD AT

CHICAGO, - ILLINOIS,

SEPTEMBER 19th, 20th, & 21st, 1871,

Under the auspices of the

Illinois Swine Breeders' Association.

Competition open to all the World.

120 Class Premiums from \$15.00 to \$100.00 Each.

ALSO

12 Grand Sweepstakes Prizes, Ranging from \$100 to \$1000.

Send for Premium Lists with Rules and Regulations.

CHARLES SNOAD, Secretary.

v3-8-21

Joliet, Ills.

BREAKFAST.

EPPS'S COCOA.

GRATEFUL AND COMFORTING.

THE very agreeable character of this preparation has rendered it a general favourite. The *Civil Service Gazette* remarks:—"By a thorough knowledge of the natural laws which govern the operations of digestion and nutrition, and by a careful application of the fine properties of well-selected cocoa, Mr. Epps has provided our breakfast tables with a delicately flavoured beverage which may save us many heavy doctors' bills." Made simply with boiling water or milk. Sold only in tin-lined packets, labelled—

JAMES EPPS & Co.,

Homoeopathic Chemists, London.

v2-11-18