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# THE DESERET NEWS.



The Crops and approaching Harvest.

conversed with men from nearly every county in the Territory, who have unanimously confirmed the reports previously made by correspondents and others of the very flattering prospects of an abundant crop of wheat and other cereals the present season in most of these valleys, although, as a general thing, the harvest will be some later than usual, owing to the coldness and backwardness of the spring.

The growing wheat in the northern counties, including Cache, Malad, Box Elder, Weber and Davis, is reported as looking remarkably well, never more promising and, if the necessary precaution to prevent smut was generally taken, and no unforeseen occurrence transpiring to retard its growth or prevent its maturity, the busbandman will, in all probability, be abundantly rewarded for his labors in cultivating that staple crop of these mountain valleys. Great Salt Lake county, which has not been ranked of late among the best wheat-growing counties, although its products have far exceeded that of any other in the Great Basin, will not fall behind this Penrith, 16; at Carlilse, 24; at Chester; year in the amount of grain raised on its soil, 32, etc. In France, the setier is as 4,427 to judging from present prospects. The yield per acre may not be as great as in by-gone years, but there was a large breadth sown In Poland, the korsee 1,451. In Spain, the and the aggregate may reasonably be expect- fanega, 1,599; that is, 99-1000 over a bushel ed to exceed that of the last or any previous season. In proprotion to the number of inhabitants, there may not be as much wheat, other liquids, 30 gallons; corn, 5 bushels, overruns this measure. corn, rye, oats and barley growing in this county, as there was before the United States apparently as one of the initiatory steps to the overthrow of its national greatness if not ultimately of its existence, but if carefully harvested, and not thereafter wasted or foolishly disposed of, there will unquestionably be an abundance for the sustenance of the people now dwelling in the county and for those of the incoming immigration, who may locate within its borders. In Tooele and Shambip counties crops of all kinds are represented as being very flourishing, also in Utah, Juab and Sanpete. In Millard and the Southern counties not as celebrated for wheat as for some other crops, the prospects of a good yield are said to be as good, if not better than ever before. There appears to be no want of water in sacks. any of the valleys, this year, for irrigating purposes, still the quantity and quality of wheat and other crops may be materially effected by contingencies arising hereafter, before pounds, a pack load for a horse. maturity. Unquestionably there are many 61 tods 1 wey; and 2 weys a sack. farmers who have not yet been made to believe and understand that there is no necessity for producing smut, and their fields of wheat, although now looking well, may not yield more than one half as much as they straw, 40 pounds. A load, 36 trusses. would if the seed had been properly prepared before sowing in order to prevent the grain from being smutty, as has been the case with much of that raised in this part of the Territory within the last few years. In Davis county the harvesting of the rye and barley crops has been commenced. Some fields of wheat there as well as in this county | weight. will soon be ripe enough to cut, and in view of the greatness of the harvest and the scarcity of laborers, it will be well for all extensive grain growers in the Territory to commence cutting and securing their grain as soon as it is ready for the reaper. after it comes to maturity, the better, as it or clayey soil, 127; pure clay, 135; mixture of will decrease both in weight and quality in stones and clay, 160; masonry of stone, 205; proportion to the length of time it is left standing in the field after it is fully ripe. By 1218; glass, 180; water, 62; tallow, 59; cork, experiments that have been made, it has been 15; oak timber, 73; mahogany, 66; air 0,0753 ascertained beyond all controversy, that all cereals are beavier and of better quality, if cut when quite green, and before being anffi- but is put up in different States varying from ciently ripened to be thrashed without stand- 280 to 720 pounds. Sea Island cotton is put ing for a short season in the field to undergo up in sacks of 300 pounds. a drying process, after has been reaped.

WEIGHTS AND MEASURES

### OF VARIOUS FARM PRODUCTS AND OTHER THINGS IN VARIOUS COUNTRIES.

In England and America grain is generally rated by the bushel, though it is not the same measure; for here we use the Winchester bushel, which contains 2,150 42-100 cubic All fuel should be sold by the pound. inches. There, since 1826, the legal measure is called the imperial bushel, which contains Within the last ten days, we have seen and 2,218 cubic inches; so that 32 of their bushels are about equal to 33 of ours.

> The following are the commercial weights of a bushel of different articles, viz: Wheat, beans, potatoes and cloverseed, 60 pounds. Corn, rye, flax seed and onions, 56 pounds. Corn on the cob weighs 70 pounds. Buckwheat, 52; barley, 48; hemp seed, 44; timothy seed, 45; castor beans, 46; oats, 35; bran, 20; Slue grass seed, 14; salt, 50, according to one account, but Onondaga salt is 56, (the real weight of coarse salt is 85 pounds to the bushel); dried apples, 24; dried peaches, 33; according to a table lately published in numerous papers, but according to our experience both are wrong. We have seen thousands of bushels sold at 22 pounds to the bushel, which will measure about three pecks. Heaping Measures .- Potatoes, turnips, and esculent 100ts, apples and other fruits, meal and bran, and in some States oats, are sold by

> heaping measure, which contains 2,815 cubic inches. The size of a Winchester bushel measure, is a circular ring with straight sides inches square, with sides 7.46.66 inches

33 inches; five-notch, 38 inches. A Billet of wood is similar to a skid, being 3 feet long, 7, 10 and 14 inches round. They are sold by the score or hundred. A score is 20 in number.

22 in the wall.

cart load of sand.

Weight of Lime.- A bushel of limestone weighs 142 pounds; after it is burned, if lish, 4840; Scotch, 6150; Irish, 7840; Hamburg, weighed directly from the kiln, 75 pounds; 11.545; Amsterdam, 9722; Dantzie, 6650; France, showing that 67 pounds of carbonic acid and (hectare,) 17 960; Prussia, (morgen,) 3053. water have been driven off by fire. This bushel of lime will absorb 20 pounds of water, mated by the load, which is just about as defigradually applied during several days, and nite as the phrase "about as big as a piece of will then be in a state of dry powder, weighing chalk." It ought to be measured by the 93 pounds; showing that 18 pounds of water | cubic yard or cord. A cubic yard is 27 cubic have been converted into a solid, dry sub- feet, each of which contains 1,728 cubic inches. stance.

cubic feet of hay, in a solid mow or stack, size of a pile of wood containing a cord, they will weigh a ton.

To Measure Cattle by Compute Weight .-Ascertain the girth back of the shoulders, and wagon box, before it leaves the maker's shop, the length along the back, from the square of ought to have the cubic feet and inches it the buttock, to a point even with the point will contain, indelibly marked upon it. This of the shoulder blade; say the girth is 6 feet would enable the owner, who has read "The 4 inches, and the length 5 feet 3 inches, which, Plow," to calculate the amount of his load of multiplied together, gives 31 feet. Multiply grain, roots, earth, stone or manure. 8 inches high and 181 in diameter. A box 12 this by 23, the number of pounds allowed to the foot, between 5 and 7 feet girth, and the rotted stable manure will weigh upon an result is 713 pounds, for the number of pounds average, 56 pounds. If it is coarse or dry, it of beef in the four quarters. Girths, from 7 to 9 feet, allow 31 pounds to the foot. Cattle must be fat and square built to hold out weigh 2,016 pounds; of second quality, 1,728 length and width together, and that product 108 pounds to each square rod, and less than by the height in cubic inches, and divide by two and a half pounds to each square foot. 2,150, and you have the number of bushels. inches as above, and divide by 2,815, the cubic lation of pounds per foot, of any quantity per inches in a heaped bushel, and take two-thirds | acre, is easily made. of the quotient for the number of bushels of shelled corn. This is upon the rule of giving three heaping half bushels of ears to make a bushel of grain. Some falls short and some measure. Multiply the width in inches of any number of pieces of equal length, by the at least intended, to elevate the minds of our sent hither a division of its then small army, At New Orleans, a barrel of corn is a barrel inches of the length. Divide by 144, and the quotient is the number of feet, for any thick- still groping in the darkness of willful ignoness under an inch. Every fourth inch increase of thickness adds a fourth to the num-Land Measure .- Every farmer should have a rod measure, a light stiff pole, just 16 1-2 that ridiculous old fashion is being done away feet long, for measuring land. By a little practice he can learn to step just a rod at five steps, which will answer very well for ordinary farm work. Ascertain the number of rods in of the out-door grapevine. As soon as the sure, and multiply one into the other and divide ing, the dark green bug is pursuing its deseight imperial bushels. This is an English by 160, and you have the number of acres, as 160 measure, not in use in this country, though square rods make a square acre If you wish tructive depredations. It nearly destroyed very necessary to be known, so as to under- to lay off one acre square, measure 13 rods our crop of Concords and Dianas last season. stand agricultural reports. So of several of upon each side. This lacks one rod of being When too late we applied with a sponge a full measure. barrels; of flax or feathers, 1700; of wool, 12 23,040 acres. A section, one mile square, 640 ed upon the application of the wash. About 160 acres. As this is 166 rods square, a strip the season, when we at once app ied the wash one rod wide, or every rod in width, is an and dislodged it. Those that fell to the ground A pack of wool is 17 stone 2 pounds-240 long, north and south, almost universally, and vine died from the effects of the wash. We would a fourth of mile wide, 80 acres. A quarter- recommend its use promptly, wherever this bug A Tod of wool is 2 stone, that is 28 pounds; quarter section is one-fourth of a mile square, makes its appearance. Otherwise it isoon incept fractions, ever sold by the government. deposits its eggs, which the wash may not beef, fish and other meats, it is only 8 pounds. compilation of this valuable article, we re- eighth of an inch in length, from these eggs, A truss of hay, new, 60 pounds; old, 56; of ceived the following table from a friend in are found preying upon the leaf, pretty much the system of book farming," says some object occasion. for their ignorance and stupid determination | melon vines. to remain in it. This single article, which, if less than the fiftieth part of what we give | tural stores, and at some of our best grocery precious metals are bought and sold by Troy them for fifty cents, would cost any one of stores. All druggists ought to keep it on them fifty times the price of the "Plow," hand .- [Germantown Telegraph. in labor, to glean this information from fifty dollars' worth of books. Our measure of distance is by the standard English mile, which A Chaldron of coal is 583 cubic feet, gen- is 5280 feet in length, or 1760 yards, or 320 green rhubarb, and its conduciveness to health,

#### SCRIPTURE MEASURES.

"A Sabbath Day's Journey" is 1,155 yarda -about two-thirds of a mile. A Day's journey is 381 miles. A Reed is 10 feet 111 inches. A Fagots are bundles of brush 3 feet long and Palm is 3 inches. A Fathom is 6 feet. A Greek 2 feet round. A load of fagots is 50 such | Foot is 12} inches. A Hebrew Foot is 1.212bundles. A quintal of wood is 100 pounds. 1000 English foot. A Cubit is 2 feet. A Great Cubit is 11 feet. An Egyptian Cubit is 21.888-A Perch of Stone is 25 cubic feet, piled, or 1000 inches. A Span is 10.944.1000 inches.

As these superfices of all our State and Lime and Sand to a perch of stone. Three counties are expressed in square miles, it should pecks of lime, and two-thirds of a one-horse be borne in mind that the contents of a mile is 640 acres.

Number of Square Yards in an Acre-Eng-

Manure Measure .- This is generally esti-A cubic cord is 128 cubic feet. As the most To measure a Ton of Hay .- One hundred of farmers have an idea in their minds of the would readily compare that with the quantity of manure, if stated in cords. Every cart or

Weight of Manure.- A solid foot of half will average 48 pounds to the foot. A load of manure, or 36 cubic feet, of first quality, will pounds. Weight to the acre .- Eight loads of To Measure Grain in Bins, multiply the first kind, weighing 16,128 pounds, will give Five loads will give 63 pounds to the rod. An To Measure Corn in the Ear, find the cubic acre containing 43,560 square feet, the calcu-The Measure of Mind may be considerably expanded in every youth who will carefully study these pages, which we have prepared with a measure of labor especially for the benefit of all who measure the capacity of our Board Measure .- Boards are sold by face intellect to give useful information by our monthly chronicles of matters calculated, or readers immeasurably above those who are rance, because of their misjudged economy in not patronizing agricultural papers and schools .- [The Plow.

high, will hold half a bushel.

Comparative Grain Measures .- Besides the difference between the Winchester and imperial and heaped bushels, before stated, there are a dozen or more local bushels. For in- weight. stance, at Abington, England, 9 gallons; at 1,000 compared with the imperial bushel; that is 4427-1000 bushels. In Holland, the mudde is as 3,157. In Prussia, the scheffel, 1,479 .and a half.

Barrel Measures .- Rice, 600 pounds; flour, 196 pounds; powder, 25 pounds; cider and shelled. By this latter measure crops are estimated, and corn bought and sold throughout most of the Southern and Western States. full of ears. In some parts of the West it is common to count a hundred ears for a bushel.

Ton Weights and Tun Measure.- A ton of hay or any coarse bulky article usually sold ber of feet in the face measure. by that measure, is twenty gross hundred; that is, 2,240 pounds; though in many places and 2,000 pounds only counted to a ton.

A ton of timber, if round, consists of 40 cubic feet; if square, 54 feet. A tun of wine is 252 gallons.

A quarter of corn is the fourth of a ton, or the following weights and measures.

A Last of soap, ashes, herring, etc., 12 barrels; of corn, 10 quarters; of gunpowder, 24

A sack of wool is 22 stone; that is, 74 pounds to the stone, 308 pounds. A boll of wool is the same weight. A Clove of wool is 7 pounds, or half a stone. Recollect, a stone is 14 pounds, when talking The price is \$1 25 an acre. of wool, feathers, etc., but when applied to A Firkin of butter is 56 pounds; a tub, 84. A Scotch pint contains 105 cubic inches, and is equal to 4 English pints. A Farlot of wheat is 21+ Scotch pints. Troy weight and Avoirdupois weight .-- One hundred and forty-four pounds avoirdupois are equal to 175 pounds Troy-175 ounces Troy are equal to 192 ounces avoirdupois. All The Kilogramme of France is I000 grammes, and equal to 2 pounds 2 ounces, 4 grains avoirdupois. erally estimated 36 bushels. A bushel of an- rods. thracite coal weighs 80 pounds, which makes the weight of a chaldron 2880. Weights of a cubic foot .- Of sand or loose The sooner all kinds of grain is harvested | earth, 55 pounds, compact soil, 124; a strong brick, 125; cast iron, 450; steel, 489; copper, 486; lead, 709; silver, 654: gold, 1203; platina. In the above, fractions are discarded. A Bale of cotton, in Egypt, is 90 pounds; in America, a commercial bale is 400 pounds,

## A Wash for Out-Door Grapes.

Just at this time is the most critical period width and length of any lot you wish to mea- fruit buds begin to expand and before bloomwash prepared from whale oil soap, say about Government Land Measure.- A township a quarter of a pound to a gallon of water is 6 miles square, and contains 36 sections, What remained of the bug, instantly disappearacres. A quarter section, half a mile square, a week ago, it made its first appearance for acre. A half quarter section is a half mile were crushed, and those that remained on the 40 acres, and is the smallest sized tract, ex- flicts serious damage upon the fruit bud, then destroy, and by the time the leaf becomes fully Measure of a Mile .- While engaged in the expanded, hundreds of brown worms about an Maine, who, in remarking upon the indisposi- | finishing the remaining portion of the crop left tion of some persons to take an agricultural by the bug. Of course the application should paper, "because," they say, "it pertains to be repeated once or twice, as there may be to the "Plow" because "they can't afford it." | We have found this wash effectully to expel We are sorry for their poverty, but more so the striped bug and other depredators from the This soap can be purchased at the agricul-

A Bale of hay is 300 pounds. Whatever the result of the extensive grain- A Cord of wood is 128 solid feet, usually palate. When it is young it is unnecessary Spanish judicial league,2 1115 65 growing operations, this season, proves to put up 8 feet long, 4 feet wide, and 4 feet high. Flanders league, Portugal league 1480 86 to be peeled. If sweetened with the best of 1584 66 be, that is, whether the crops be heavy or In France, a cord of wood is 576 feet. Spanish common de., 5 376 sugar (loaf is best,) it will, if preserved air 66 light, it will be late in the season before all A Stack of wood is 108 solid feet; 12 feet Length of Other Measures. tight, and set in a cool place, keep good for the wheat that has been sown will be ripe, long, 3 high, and 3 wide. A Skid of wood is Persian Parasang 3 miles English and 806 yds. many months, and will be found to be pleasand the frosts of autumn will doubtless be a round bundle of small sticks, 4 feet long, Russian Werst, seen before that in high locations will be girting for a one-notch, 16 inches; two-notch, A German geographical mile is equal to 4 English miles, ant and refreshing at all times and seasons. harvested. 23 inches; three-notch, 28 inches; four-notch, or 8100 yards. -[Gardener's Chronicle, London.

An English geographical mile is equal to 2050 yards.

e	Ancient Scottish mile	1	mile 1	English	and	224	yards.	ł
-	Ancient Irish mile,	1		16	121	480	66	P
f	German short mile,	3		"		1679	66	E
L	German long mile,	5		46		1326	66	2
;	Hanoverian mile,	6		66		999	46	E
,	Tuscan mile,	1		16		48	16	E
2	Russian mite,	6		16		1197	66	E
2	Dantsh mile	4		**		1204	64	B
2	Dantzic mile	4		44		1435	"	U
	Hungarian mile,	5		66		313	23	
	Swiss mile,	5		66		353	66	
	Swedish mile,	6		"		1140	66	P
n	Arabian mile,	1		66		380	66	
,	Modern Roman mile	13	2 yar	ds less	that		nglish.	
n	Length of Leagues.							
t	French posting leago	e 2	nities	Rugh	and	743	rde	
	French league	3		nuo n		120	140.	
1	English league,	3						
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Rhubarb Syrup .- The aperient qualities of being now so well known, its usefulness does not admit of a doubt; but allow me to remark it is best used in the form of syrup, eaten with "plain bread," as are all cooked fruit, and not with pastry, especially by invalid persons who have bilious constitutions. Pastry is like strong drinks; it only serves to indulge the appetite, rather than to impart to it any real good, causing secretions in the stomach beyond their natural order. To make rhubarb syrup is simply to cut it into small pieces, simmer it over a slow fire one bour, with a very little water; or it may be baked in a jar, then strain it and add sugar to the