Agriculture, &c,

EXTRACTS

FROM THE MONTHLY REPORT OF THE DE-PARTMENT OF AGRICULTURE, WASHINGTON, D. C.

The great agricultural lesson of the season inculcates the necessity of draining and thorough culture. It is not an exaggeration to estimate the reduction this season, from the alternate drowning and scorching of farm crops, at two hundred millions of dollars. Reports from droughtparched regions, declare the crops in fair condition on land well worked,-that on drained soils properly cultivated, fine crops were obtained; while on undrained or wet land and fields neglected or half cultivated, a failure was imminent. The crop returns of Great Britain (where the early season was similar to ours) enforce the same lesson, though a far smaller proportion of British lands is undrained and poorly cul-

One specimen of draining is described thus :- The whole track-10 acres-is underdrained with tile placed at an average distance of forty feet apart, and at the depth of four feet. The size of the main pipe is three inches, of the minor drains, two inches. An example of the operation of this system of drainage is given as follows. On Sunday, July 25th, a heavy rain fell drenching the soil with water to such an extent, that on the following Wednesday, the main drain was discharging, according to estimate, three or four gallons per minute, while the surface of the soil was dry enough to work on Tuesday morning, July 27th. Similar land not underdrained would not have been fit to plow in less than a week."

The Report states that from a single county in the State of New York, 4842 tons of Rye Straw were shipped. This went to neighboring counties to be worked up into paper. The prices paid were \$20 per ton, for hand-threshed, and \$16 per ton for machine-threshed.

Note .- This straw is worked up into packing and printing paper. Thus it brings to farmers a higher price than their hay. Why could not Paper Mills be started in this Province? In many localities they would so increase the value of farm products, that the farmers could afford to pay the proprietors a good per centage on the expense of running the Mills.—Com.

THE WORKING MAN.

The noblest men I know on earth Are men whose hands are brown with toil; Who, backed by no ancestral groves, Hew down the wood and till the soil; And win thereby a prouder name Than follows king or warrior's fame.

The working men, whate'er the task, Who carve the stone, or bear the hod, They bear upon their honest brows The royal stamp and seal of God; And worthier are their drops of sweat Than diamonds in a coronet.

God bless the noble working men, Who rear the cities of the plain, Who dig the mines, who build the ships, And drive the commerce of the main. God bless them; for their toiling hands Have wrought the glory of all lands.

PURIFYING CISTERN WATER.

Cistern water becomes foul and offensive, because it contains a large amount of organic matter derived from the roofs of the houses, absorbed from the air, etc. This matter may be in the form of germs, or it may be in the process of growth or decay. It may be vegetable or animal, or both, the latter condition generally prevailing. This matter undergoes rapid growth and decay, and exceedingly rapid multiplication .-When the temperature is warm, as in the summer, there are two ways to correct the evil: First by entire separation of all organic matter from the water; second, by its complete destruction while in the water.

The first object cannot always be accomplished, as no simple filter would separate germs, and even if separated the water could not be kept for use unexposed to the air. An effectual method of purification is accomplished by chemical destruction. This may be completely, economically, and safely done by the permanganate of potassa, used in the proportion of about an ounce to fifty gallons of water. As destructive chemical changes take place, the organic matter is reduced, and the whole mass is

precipitated as an inert and harmless sediment. The chemical reaction is marked by a purple coloring of the solution, and this color indicates the presence of organic matter. The permanganate should be added until this color disappears, when you may know that the organic matter is destroyed; for an infinitesimal quantity of the latter will be detected by the former. This preparation of potash may be obtained at any ONE PILL IN A DOSE .. druggists.

MAKING HAY WITHOUT THE SUN .-- An apparatus had been contrived in England, by which new-mown grass is placed in a table globe; strong current of hot air, set in motion by a fan, so that moist grass may be converted into the best quality of hay in ten minutes, taken at one time. One of your pills cured me. sweeter and greener than can be made by sun-drying. It works in all weathers, and dries grain, corn, and roots, so that farmers your tills cured me, and I have no return of the will not have to watch the weather as malady. anxiously as now.

EVERGREEN trees should not be transplated, till about June 1st, or a few days against their trunks when set, one on each house. side, will prevent the roots being loosened by the wind swaying the branches of the trees. For protection to fields and gardens the Norway spruce is the best, set on the da north and west sides, about 10 feet apart.

MESSENGER ALMANACK.

New Moon November 3rd 7 21 Atternoon. First Quarter. "10th 10 41 Afternoon. Full Moon "19th 3 3 Morning. Last Quarter. "26th 2 0 Afternoon.													
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and at St. John, N. B., add 3 hours to the time at

The time of High Water at Windsor is also the time at l'arrsboro', Horton, Cornwallis, Truro, &c. TF For the LENGTH OF DAY double the time of the

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'I gave half one of your pills to my babe for cholera morbus. The dear young thing got well in a

' My nausea of a morning is now cured.'

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