# Scientific, &c.

WILLOW BREAD .- The leaves of our common or basket willow (Salix nigra, Marshall), treated the same as usual for hops, makes an excellent yeast or leaves for light bread. The discovery was made in my family this summer, and after thorough trial, I was convinced that there is nothing equal to it, as it rises much quicker than hops-in half the timeimparts none of that bop flavor so disagreeable to some, and, jin fact, makes better bread every way. The thing is well werthy the attention of every good house-wife and lest some should hesitate in consequence of not knowing the medical properties of the willow in question, I will add that it is a healthful tonic from which no harm can possible arise. - Correspondent of Journal of Agriculture.

CURE FOR LOCKJAW .- A correspondent of the Scientific American recommends turpentine as a cure for lockjaw. He says: Let any one who has an attack of lockjaw take a small quantity of turpentine, warm it and pour it on the wound, no matter where the wound is or of what nature it is, and relief will follow in less than one minute. Nothing better can be applied to a severe cut or bruise than cold turpentine; it will give certain relief almost instantly. Turpentine is also a sovereign remedy for croup. Saturate a piece of flannel with it and place the flannel on the throat and chest, and in very severe cases three to five drops on a lump of sugar may be taken inwardly. -Every family should have a bottle at hand.

THE ammonia oxide of copper is a solvent for silk, paper and cellulose. If its action be limited to a few moments, it converts the surfaces into a gelatinous mass; and Scoffern proposes to employ this property to render the paper water-tight. If, in the mill, the endless sheet of paper is made to pass at a proper velocity through the ammonia copper solution, and is afterward dried and pressed, the surfaces will be converted into a species of parchment, and will be water-tight. The rate of speed for the rollers must be a matter of experi-

Pastures may be laid down, sowing grass-seed with rye; this will afford both fall and spring feed, and gradually gives place to the grass as summer comes on."

It is claimed that mutton in Europe is superior to that produced in America. A prominent New York sheep breeder has been investigating the matter and thinks that the explanation is that "they feed turnips."

The superiority of some men is merely local. They are great because their associates are little.

The used key is always bright. Drawn wells have sweetest water. Standing pools gather filth. "If I rest, I rust," says the key.

Sensibility would be a good porteress, if she had but one hand; with her right she opens the door to Pleasure, but with her left, to Pain.

A former slave of the Davis family, named Montgomery, has received a prize for the best bale of long-stapled cotton delivered at New Orleans.

A rat hole in one of the wheat bins at Wright & Co's grist mill at Great Falls, N. H., let thirty bushels of wheat into the river on the 11th, but owing to the low water about half of it was recovered, in a damaged condition.

The wife of a farmer residing near Troy, N. Y., was surprised, a few days since, while breaking an egg, to find that it contained another egg of a much smaller size.

A bull calf a day old was recently sold by the Duke of Devonshire for 700 guineas.

Some BAD PURS .- "Why have you a right to pick a photographer's pocket? Because he has piot-ures."

Why ought you to mix a druggist's medicine? Oh yes; because he has mixt-

Why ought you not to consider a farmer's hat fit to wass for a contribution-box ? Cenpast-ures for cattle to eat out of.

## MESSENGER ALMANACK.

November, 1870.

Day Rises	J.s. Sets.	- management	MOON.	CALIFORNIA MINISTRALE	High Tide
1 Tu 6 43 2 W 6 44 3 Fh 6 46 4 F 6 47 5 Sa 6 48 6 SU 6 50 7 M 6 51 8 Tu 6 53 9 W 6 54 10 Th 6 56 11 F 6 57 12 Sa 6 58 13 SU 6 59 14 M 6 1 15 Tu 7 2 16 W 7 4 17 Th 7 5 18 F 7 6 19 Sa 7 8 20 SU 7 9 21 M 7 11 22 Tu 7 12 23 W 7 13 24 Th 7 14 25 F 7 16 26 Sa 7 17 27 SU 7 18 28 M 7 20 29 Tu 7 21 30 W 7 22	4 44 4 43 4 41 4 40 4 39 4 37 4 36 4 35 4 33 4 32 4 31 4 20 4 28 4 27 4 26 4 25 4 24 4 23 4 22 4 21 4 20 4 19 4 18 4 17 4 16	2 31 2 59 3 24 3 51 4 10 4 33 4 58 5 53 6 29 7 10 7 58 8 52 9 53 10 59 morn 0 6 1 17 2 30 3 46 5 4 6 24 7 44 8 59 10 9 11 7 11 54 A. 32 1 30	7 25 8 10 8 54 9 36 10 18 11 0 11 42 morn 0 25 1 10 1 58 2 47 3 37 4 28 6 10 7 51 8 42 9 34 10 28 11 26 A. 25 1 27 2 30 3 31 4 27 5 19 6 8 6 53	morn 0 19 1 21 2 24 3 21 4 26 5 27 6 20 7 26 8 27 9 26 10 23 11 16 A. 3 0 45 1 21 1 54 2 25 2 53 3 22 3 52 4 27 5 6 5 54 6 51 7 55 9 0 10 6 11 13 morn	0 33 1 54 3 20 4 35 5 34 6 17 6 52 7 25 7 57 8 27 8 56 9 29 9 69 10 36 11 18 A. 11 1 15 2 40 3 56 5 0 5 50 6 39 7 23 8 9 8 56 9 43 10 28 11 21 morning 0 16

THE TIDES.—The coumn of the Moon's Southing gives the time of high water at Parrsboro', Cornwallis, Horton, Hantsport, Windsor, Newport, and

High water at Pictou and Cape Tormentine 2 hours and 30 minutes later than at Halifax. At Annapolis, St. John, N. B., and Portland Maine, 3 hours and 44 minutes later, and at St. John's, Newfoundland, 1 hour earlier, than at Halifax.

FOR THE LENGTH OF THE DAY.—Add 12 hours to the time of the sun's setting, and from the sum subtract the time of rising.

FOR THE LENGTH OF THE NIGHT.—Subtract the time of the sun's setting from 12 hours, and to the remainder add the time of rising next morning.

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TERMS CASH.

GEORGE S. YATES.

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For Byspepsia or Indigestion, Listless.

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mess, Languor and Loss of Appetite, they
should be taken moderately to stimulate the stomach and restore its healthy tone and action.

For Liver Complaint and its various symptoms, Billous Headache, Sick-Headache,
Jaundice or Green Sickness, Billous

Cotic and Billous Fevers, they should be judictiously taken for each case, to correct the diseased
action or remove the obstructions which cause it,

For Dysentery or Diarrhous, but one mild
dose is generally required.

dose is generally required.

For Ithenmatism, Gout, Gravel, Palpitation of the Bleart, Pain in the Side,

Back and Loins, they should be continuously taken, as required, to change the diseased action of the system. With such change those complaints

For Bropsy and Bropsical Swellings they should be taken in large and frequent doses to produce the effect of a drastic purge.

For Suppression a large dose should be taken as it produces the desired effect by sympathy.

As a Dinner Pitt, take one or two Pitts to promote digestion and relieve the stomach.

An occasional dose stimulates the stomach and bowels into healthy action, restores the appetite, and invigorates the system. Hence it is often advantageous where no serious derangement exists. One who feels tolerably well, often finds that a dose of these Pitts makes him feel decidedly better, from their cleansing and renovating effect on the digestheir cleansing and renovating effect on the diges-

DR. J. C. AYER & CO., Practical Chemiats, LOWHLL. MASS., U. S. A.

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