]44	THE OHRISTIAN MESSENGER.			
a :the	Scientific.	HALIFAX, N. S., MAY 1, 1872.		AGRICULTURAL IMPLEMENTS.
Agriculture.	Zurmun.	MESSENCERTE AL.M.A.V.ACEL.	WINDSOR AND ANNAPOLIS	The perfection of Mowers.
Injured trees that have had their branches broken by winds or storms should have the wounded surface smoothly pared and then covered with a coating of shellac-varnish or melted grafting-wax, to prevent the water penetrating and causing decay.—Agri- culturist. BITUMINOUS COAL ASHES.—When mixed with soil, sweepings of potato- cellars, soda, etc., and used as an absorbent of the waste water of the house, make an excellent dressing on clay soil, for potatoes or grass; and while it increases the growth of grass on warm or slaty soil, the aftergrowth is more affected by the droughts of the latter part of summer than on land not thus treated. I once placed a large pile of this compost near some neglected peach-tree, and those nearest it grew so much faster than those beyond its influence as to attract at-	Morton in his lecture on electricity, delivered recently in the Philadelphia Academy of Music, illustrated how inexact most persons are in their estimates of duration. Anything less than a second is popularly set down as equivalent to "no time," but when scientific men calculate the billionth part of a second, the importance of this error is clearly manifest. A light- ning-flash occupies the one sixteen- hundredth part of a second. To give an idea of such marvellous rapidity of motion, Pof. Moiton took a disc bear- ing a bold black figure on a white ground. This was made to revolve so rapidly that no trace of the figure remained, and even the appearance of motion was lost. And yet, every time an electric spark was sent through the disc, the figure stood out, clearly de- fined. So quick was the flash that in	MAY, 1872.New Moon, May 7th, 9h. 4m. morning.First Quarter, "15th, 11h. 51m. morning.Full Mcon, "22nd, 6h. 54m. afternoon.Last Quarter, "29th, 9h. 58m. morning. $\Box$ </td <td>RAILWAY.         TIME TABLE No. 10.         COMMENCING 1.0 JANYY, 1872.         OWN TRAINS.         STATIONS.         I 3         Four Mile House         STATIONS.         I 3         I 3         Four Mile House         S 10         S 10         S 10         I 3         I 4         I 4         I A 1         I 3         I 4         I A 1         I 3         I 10         I 10      <th< td=""><td>The Meadow King Mower introduced into Nova Scotia last season, by James P Dodge, is the most perfect Mower ever invented, it will Mow where every other kind has been clogged, the Knives will ran in any position, either horozonta or perpendicular. A Sample Ma. chine can be seen at the Subscribers, whe is Sole AGENT for Nova Scotia. Address, JAMES P DODGE. Middleton, Annapolis Co. April 13 3 m. 99 GRANVILLE STREET. 99 PER S. S. "NORTH AMERICAN." Black Velveteens, BLACK MANTLE VELVETS, Black Silks, BLACK MALTESE LACES, Black Crapes, BLACK VELVET RIBBONS Black Coburgs, BLACK PARAMATTAS. A new and beautiful make of</td></th<></td>	RAILWAY.         TIME TABLE No. 10.         COMMENCING 1.0 JANYY, 1872.         OWN TRAINS.         STATIONS.         I 3         Four Mile House         STATIONS.         I 3         I 3         Four Mile House         S 10         S 10         S 10         I 3         I 4         I 4         I A 1         I 3         I 4         I A 1         I 3         I 10         I 10 <th< td=""><td>The Meadow King Mower introduced into Nova Scotia last season, by James P Dodge, is the most perfect Mower ever invented, it will Mow where every other kind has been clogged, the Knives will ran in any position, either horozonta or perpendicular. A Sample Ma. chine can be seen at the Subscribers, whe is Sole AGENT for Nova Scotia. Address, JAMES P DODGE. Middleton, Annapolis Co. April 13 3 m. 99 GRANVILLE STREET. 99 PER S. S. "NORTH AMERICAN." Black Velveteens, BLACK MANTLE VELVETS, Black Silks, BLACK MALTESE LACES, Black Crapes, BLACK VELVET RIBBONS Black Coburgs, BLACK PARAMATTAS. A new and beautiful make of</td></th<>	The Meadow King Mower introduced into Nova Scotia last season, by James P Dodge, is the most perfect Mower ever invented, it will Mow where every other kind has been clogged, the Knives will ran in any position, either horozonta or perpendicular. A Sample Ma. chine can be seen at the Subscribers, whe is Sole AGENT for Nova Scotia. Address, JAMES P DODGE. Middleton, Annapolis Co. April 13 3 m. 99 GRANVILLE STREET. 99 PER S. S. "NORTH AMERICAN." Black Velveteens, BLACK MANTLE VELVETS, Black Silks, BLACK MALTESE LACES, Black Crapes, BLACK VELVET RIBBONS Black Coburgs, BLACK PARAMATTAS. A new and beautiful make of
tention. On this suggestion, I have continued to apply it to my peach and apple trees, and I think with decided advantage.—Country Gentleman.	had the effect of apparently arresting the motion of the disc. The one six- teen-hundredth part of a second, there- fore, enabled us to discern the figure	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	52       Hantsport       p. m.         57       Avonport       12 05       6 55         59       Horton Landing.       12 15       7 05         60       Grand Pre       12 20       7 10         63       Wolfville       12 30       7 25         65       Fort William       12 40       7 35         70       Kentville, arrive       12 55       7 50	By steamers to arrive in a few days, we shall have a large part of our Spring Stock. SMITH BROS. March 27.
"Porte Crayon" writes to the Hor- ticulturist that a flock of ducks and chickens following the plough or spade in the spring and fall, will certainly thin out the most dangerous subter ranean enemies of the horticulturist and all the rest must depend on per sistent hand-to-hand fighting.	<ul> <li>bed when you are sleepy. Do not undertake to force wakefulness when attention fails and the brain finds it blood running sluggishly.</li> <li>2 Go to bed when you are tired One may be fatigued without being drowsy, and may wish for the freedow and relaxation of a couch, and it is the state of t</li></ul>	FHE TIDES.—The column of the Moon's Southing gives the time of high water at Parrsboro', Cornwallis, Horton, Hantsport Windsor, Newport, and Truro. High water at Pictou and Cape Tormentine 2 hours and 11 minutes later than at Halifax At Annapolis, St John, N. B., and Portland Maine, 3 hours and 25 minutes later, and a St. John's, Newfoundland 20 minutes earlier than at Halifax. At Charlottetown, 2 hours 56 minutes later. At Westport, 2 hours 5	B       Do       depart       1 20         75       Coldbrook       1 35         79       Waterville       1 45         82       Berwick       2 00         87       Avlestord       2 20         89       Morden Road       2 25         94       Kingston       2 40         95       Wilmot       3 10         81       107       Lawrencetown       3 30         4       110       Paradise       3 40	LIFE OF MAN BITTERS, FROM THE Roots and Plants of Nova Scotia formerly manufactured by Mrs. Gates, of W mot. Who was pronounced incurable of Liv Complaint and Dropsy by many skilful ph sicians, when procuring several receipts from eminent French physician, she was entire cured; and afterwards cured hundreds of ca

hand the second

CARE OF FRUIT TREES. - Look through the heads of the trees and see if there are any cocoons or excrescences on the branches; if so, take them off and burn them at once, or the warm sunshine will soon produce in them living insects, to prey upon the tender foliage as it expands and check the growth and productiveness of the trees. A wash of suds made of carbolic acid, soap and water should be applied to the stems, and lower branches of the tree with a stiff brush, to destroy the larvæ of such insects as may have made a lodgement in the interstices of the bark. A healthy tree should present a clean, bright, smooth bark. Remove all grass within one foot of the stem and keep the soil porous.

8 ....

HOUSE PLANTS ought to be stimulated gently once or twice a week. Rain water, so refreshing to summer flowers, always contains ammonia, which also abounds in all liquid manures. If you take an ounce of pulverized carborate of ammonia, disolved in a gallon of water, it will make spring water even more stimulating to your plants than rain water. If you water your plants once in two weeks with guano water (one table spoonful to a pail of water,) they will grow more thrifty. Pulverzed dove or hen manure will answer a good purpose. Always keep the soil loose in your flower pots.

WORMS IN FLOWER POTS may be destroyed by stopping up the holes in the pots with corks and watering with lime-water until it stands on the surface. The lime-water may remain for an hour; then, on removing the cork, it will pass off. The lime-water may be made by pouring three gallons of water over one pound of fresh lime. Stir well up, and allow the whole to stand two or three days; then employ the clear liquor.-Tilton's Journal of Horticulture.

-----FEEDING OF SHEEP. - An experi-

only a sin against nature to sit up in such a condition.

3. Late evening suppers should be. shunned.

4. No intoxicating drinks before going to bed.

5. Amusements which try the brain and excite the nervous system unduly .== are not good before going to bed. 6. To get sufficient sleep in the night, ; o to bed early enough to get all the

rest that the system needs. 7. There should at least be a regular

hour for rising in the morning. 8. Do not, however, fix the hour for rising too early.

9. Do not work before breaktast. 10. Lonot take much exercise before breakfast -Herald of Health.

The supply of India-rubber to the world is considered inexhaustible. Trees endure tapping for twenty years. and grow in dense groves which show no signs whatever of being thinn id out hy what has been done to them hitherto.

TRAINING GIRLS .- Training girls for household duties ought to be considered as necessary as instruction in reading, writing and arithmetic; and quite as universal. We are in our houses more than half of our existence, and it is the household surroundings, which affect most largely the happiness or misery of domestic life. If the wife knows how to "keep house," if she understands how to "set a table," if she has learned how things ought to be cooked, how beds should be made, now carpets should be swept, how furniture should be dusted, how the clothes should be repaired, and turned, and altered, and renovated ; if she knows how purchases can be made to the best advantage, and understands the laying in of provisions, how to make them go farthest and last longest; if she appreciates the importance of system, order, tidiness, and the quiet management of children and servants, then she knows adapted to this climate. An assortment of

56 minutes later. At Westport, 2 hours 54 minutes later. At Yarmouth, 2 hours 20 minutes later.

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

Hats and Caps.

TF have now on hand a fuil Stock of all YY kinds, including the

## NEWEST STYLES,

to which we invite the attention of our friends, both at

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Our prices are as low as any in the city. Silk Hats made to order by Conformateur Measure, without extra charge. EVERETT BROTHERS.

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Furnishing Goods constantly on hand Agent for the

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Superior Pianos,

IN VARIOUS STYLES UPRIGHT, OBLIQUE, SQUARE, Etc.

With all the latest improvements, manufactured by the subscribers, and especially

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115 Bridgetown...... 4 00 121 Roundhill ..... 4 20 129 Annapolis..... 4 45

190 St. John by Steamer. .....

ers and Isl Y. Freight .889. 010 Passenge Freight Mails Express, class on UP TRAINS. Pass 2 4 6 STATIONS. ST. JOHN, N. B. a. m. Annapolis...... 9 30 ..... 8 Roundhill...... 9 50 |..... 19 Paradise ..... 10 35 22 Lawrencetown ..... 10 50 28 Middleton ..... 11 15 ..... ..... 35 Kingston ..... 11 35 .... 40 Morden Road ..... 11 50 ..... p. 10. ..... 42 Aylesford ..... 12 05 ..... 47 Berwi k ..... 12 20 ..... 50 Waterville ..... 12 30 ..... 54 Coldbrook...... 12 40 1..... 59 Kentville,-..... arrive..... 1 00 ..... do leave..... 7 00 1 20 ..... 64 Port William ...... 7 20 | 1 35 ..... 66 Wolfville ...... 7 30 1 45 ..... 69 Grand Pre..... 7 45 1 55 ..... 

 69 Grand Pre 7 50
 2 00

 70 Horton Landing .....
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 72 Aronport .....
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 79 Mount Denison ..... 8 30 2 40 1 ..... 82 Falmouth ...... 8 45 2 50 ..... 9 00 | 2 55 ..... 9 20 | 3 15 ..... 84 Windsor, arrive..... -do depart.... 87 3-Mile Plains ..... 9 30 | 3 25 ..... 90 Newport...... 9 40 3-40 ..... 93 Ellerhouse ..... 9 55 3 52 ..... 96 Stillwater ..... 10 05 4 05 ..... 103 Mount Uniacke ..... 10 35 4 35 ..... 113 Beaver Bank ..... 11 10 5 20 ..... 116 Windsor Junction,-arrive.... 11 20 5 25 ..... 1 .....

2 (do. depart.... 11 30 5 35

Bedford ..... 11 55 6 00

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Trains Nos. 1 and 6 will be run as s on as

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cured; and afterwar is cured hundreds of cases for which at first there seemed to be no hope. We offer these remedies to the public through the persuasion of those who at present consider that they are indebted to them for the preser. vation of their lives. Many certificates can be given for the following diseases :- Dropsy, in its worst f rm; Liver Complaint, Jaundice, Swelling of the Limbs and Face, Asthma, of whatever kind; Dyspepsia, Biliousness, Spitting of Blood, Brenchitis, Sick Headache, Diseases of the Blood, Female Diseases. Running Sores, Rhenmatism, Erysipelas. In cases of lung disease, the No. I Bitters must be taken with No. 1 Syrup, except in weak cases and young children, when No 2 Syrup and No. 1 Bitters must be used. Those suffering from Lung diseases, should not fail to use in addition to the above, Gates' Vegetable

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Plaster applied between the shoulders and to the throat and chest with Nerve Ointment. In Liver complaint and Dyspepsia, No. 2 Bitters must be taken with No. 1 Syrup. In bad cases of Dropsy, No. 2 and No. 3, Bitters must be taken with No. 1. Syrup. For Gravel No. 3. Bitters and No. 1 Syrup,

together with Gates's Vegetable Plaster and Nerve Ointment applied to the back near the kidneys.

For pains and Rheumatism in any part of the body, No 1 Syrup, and Gates's Nerve. Ointment and Acadian Liniment mixed together applied to the paintul parts.

For sore throat, rub the Liniment and Ointment (mixed together) into the parts affected, at the same time taking No. I Syrup to cleanse the stomach.

These medicines will be promptly forwarded by the manufacturers when orders are accompanied by the cash. Address CALEB GATES & CO, Middleton, Wilmot, Annapolis Co.

New Germany Nov 4. 1859. This is to certify that I. Matthew Skirdon, was under the doctor's hands for some time, with a disease called the dropsy, and suffered all but death; and after giving up all hopes, was recommended to go to Mrs. Gates. In about two weeks atter taking her medicine I was able to go to work as usual

Sworn to before me. EDWARD MORGAN, J. P. This is to certify that J. C Wheelock, of Nictaux, Annapolis County, have been affl cted with liver complaint and complicated diseases for two years,-I have tried different physicians and medicines of various kinds, but found little or no relief until I applied to Mr. Caleb Gates ..... 125 5 | Four Mile House 12 10. 6.12 ..... for his medicine, and after using it I soon found 129 - | Ha ifax ..... 12 30 6 30 ..... the diseases had to yield under his treatment. I write this for the benefit of others who may be afflicted as I have been

August 2, 1866. CHRISTIAN WHEELOCK.

PRICK. Bitters #1 per quart ; Syrup 50 cents per pint bottle ; Liniment 30 cents per bottle and the ointment 30 cents per box.

tween Kentville and Halifax, and intermediate Address CALEB GATES & CO., Fa: mington, Wilmet, Annapolis Co. A large number of curvificates, similar to the above, have been received and will be published at times for the information of the VERNON SMITH. afflicted and the people generally. Manager. AGENTS .- George V. Rand, Wolfville. John Webb, Windsor. J. E Newcomb, Hantsport. J. L. Cogswell, Kentville Sheffield & Wickwire, Canning. GENERAL AGENT, JOHN K. BENT 124 Granville Street, Halifax. May 1. THE CHRISTIAN MESSENGER WHITE, RED and ORANGE YARN is put up Is published every WEDNESDAY. Terms-Two Dollars, a year, when paid in au-TAll Yarn made by us is warranted of vance; if payment is delayed over three months \$2.25 when over six months \$2.50. Subscribers beyond the Dominiop of WM. PARKS & SON. Canada, must send in addition to the above, N. B .- Cotton Mills, St. John, N. B., Aug. 20 cents a year for prepayment of postage. ADVERTIZING at usual rates. STEPHEN SELDEN, Proprietor. OFFICE No. 59 GRANVILLE STREET. HALIFAX, N.S. RF PRINTING of Books, Pampb lets, Cards, Handbills, Blank A SCRIPTURE CATECHISM, forms, &c., &c., on reasonable terms. Magistrates Blanks always on hand.

ment made in England shows that one hundred sheep fed under shelter on twenty pounds of Swedish turnips each per day, at the end of a few weeks had gained three pounds each more than another hundred which were fed twenty. pounds of the same kind of turnips each, but in the open air or field. Five sheep were fed in the open air in November, the temperature being at fortyfour degrees. They consumed ninety pounds of food per day. At the end of ten days they weighed two pounds less than when at first exposed. Five other sheep were then placed in a shed, the temperature being forty-nine degrees; at first, they consumed eightytwo pounds per day, then seventy pounds, and at the end of the time they had gained twenty-three pound. This is proof sufficient of the advantages of sheltering stock in winter.

PREVENTING IRON GARDEN TOOLS FROM RUSTING .- It is said that if iron garden tools are laid for a few minutes into a solution of soda, they will be protected from rusting for a long time, even if exposed continuously to a moist atmosphere.

how to win her children from the street; how to keep her husband from the clubhouse, the gaming-table and the winecup. Such a family will be trained to social respectability, to business success, and to efficiency and usefulness in whatever position may be allotted to them.

It may be safe to say, that not one girl in ten in our large towns and cities enters into married life who has learned to bake a loaf of bread, to purchase a roast, to dust a painting, to sweep a carpet, or to cut, and fit, and make her own dress. How much the perfect knowledge of these things bears upon the thrift, the comfort and health of families, may be conjectured, but not calculated by figures. It would be an immeasurable advantage to make a beginning by attaching a kitchen to every girls' school in the nation, and have lessons given daily in the preparation of all the ordinary articles of food and drink for the table, and how to purchase them in the market to the best advantage, with the result of a large saving of money, an increase of comfort, and higher health in every family in the land.-Hall's Journal.

