64	THE CHRISTIAN MESSENGER.		ER.	FEBRUARY 20, 1878.	
the Messenger Almanac.	SCIENCE.	AGRICULTURE.	Agents for the Christian Messenger.	HALL'S Son	
FEBRUARY.	A GREAT OIL PIPE LINE A new	But few people are aware that they	Amherst- Charles H. Bent.		
v Moon, Feb. 2nd, 4h. 3m. morning.	oil pipe, known as the seaboard pipe	do wagons and carriages more injury	W. F. Cutten, Esq. Antigonish-T M. King, Esq.	VEGETABLE SOL VILL	
t Quarter, "10th, 9h. 2m. " Moon, "17th, 7h. 2m. "	line, is soon to be laid from Butler county, Pa., to Baltimore, a distance of	by greasing too plentifully, than in al-	Aylesford-Rev.Dr.TUPPER,J.Wheelock,Esq., Rev. E. O. Read,	SICILIAN	
Quarter, "23rd,10h.58m.afternoon.	230 miles. The transporting capacity	most any other way. A well made wheel will endure common wear from	Avlesford Upper-Rev. J. L. Read. Burrington-Rev. W. H. Richan.	Olda	
y SUN. MOON. High Tide . Rise.Sets. Rises. South. Sets. at Halifax	will be 6,000 barrels of oil per day,	ten to twenty-five years, if care is	Beaver River-Wm. S Raymond, Esq.	MAID	
. 7 23 5 5 7 11 11 44 4 17 7 44	and the flow will be incessant. It is	taken to use the right kind and proper-	Berwick—John M. Parker, Esq. Bridgewater—Wellesley J. Gates.	HAIR	
7 22 5 6 7 35 A. 29 5 23 8 22	expected to bring into Baltimore annual- ly about two million barrels of crude	amount of grease; but if this matter is	Bridgetown-Nathan R. Morse. Brighton, Digby County-N. R. Westcott, Esq.	RENEWER	
7 19 5 9 8 13 1 51 7 29 9 26	oil, about equal to the quantity now	not attended to, they will be used up in five or six years. Lard should never	Brookfield—A. J. Leadbetter. Beal's Mountain-John Whitman.	THIS standard article is compound-	
7 18 5 11 8 30 2 30 8 30 9 56 7 17 5 12 8 46 3 9 9 32 10 26	carried there by two railroads.	be used on a wagon, for it will penetrate	Bedeque, P. E. I-Rev. A. Chipman.	ed with the greatest care.	
7 16 5 13 9 5 3 50 10 35 10 55		the hub and work its way out around	Bass River-Robinson Thompson. Caledonia-B. L. Telfer.	Its effects are as wonderful and as	
. 7 14 5 15 9 25 4 32 11 39 11 22 . 7 13 5 16 9 51 5 18 M 11 53	Professor J. H: Kerr, of Colorado College (at Colorado Springs), has dis-	the tenons of the spokes, and spot the	Chester-Rev. I. J. Skinner. Clements-Jas. E. Potter Esq.	satisfactory as ever.	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	covered some fossils of unusual size in	HILCON Aditor 15 the bost Autoritator	Cornwallis-J. E. Lockwood.	It restores gray or faded hair to its	
7 9 5 20 11 56 8 0 3 2 1 18	the locality known as the Garden of the		CansoW. A. Hutcheson. Do., Billtown-Gideon Cogswell, Esq.	youthful color It removes all eruptions, itching	
7 6 5 23 2 17 10 1 5 0 3 59	Gods, at the foot of Pike's Peak. The	applied to the spindle of a wagon to	Do., Canning-Jas S. Witter, Esq. Digby-Rev. Joseph H. Saunders.	and dandruff. It gives the head a	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	length of one of the animals whose re-	give it a light coating; this is better	Digby Joggins-Wm. Aymar, Esq. Digby Neck-Rev. J. C. Morse.	cooling, soothing sensation of great	
I 7 1 5 27 6 26 M 6 49 7 32	mains have been found is estimated at 117 feet. The formation is cretaceous,	than more, for the surplus put on will	DeBert River-Wm. McCully, 4th.	comfort, and the scalp by its use	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	the bones are easily broken, and the	work out at the ends and be forced by the shoulder bands and nut washers in-	Dalhousie East—Thomas A. Wilson. Economy—Josiah Soley.	becomes white and clean.	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	animal figures are in part represented	to the hub around the outside of the	Granville-Joseph D. Halfyard.	By its tonic properties it restores the capillary glands to their normal	
6 53 5 34 M 4 19 8 54 11 2	by casts.	boxes. To oil and iron axle-trees, first	Guysboiough—Christopher Jost, Esq. Greenfield—Robert Harlow.	vigor, preventing baldness, and mak-	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	REMARKABLE MARKSMANSHIP	wipe the spindle clean with a cloth wet	Hantsport-C J. Margeson, Esq., M. D. Hillsburgh-Nelson Miller, Esq.	ing the hair grow thick and strong.	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Captain Bogardus, a well known marks-	with spirits of turpentine, and then ap-	Isaacs Harbor-C. B. Whidden.	As a dressing, nothing has been	
6 45 5 41 4 42 8 53 1 4 4 10	man, recently accomplished in New		Kentville-Melatiah Kinsman.	found so effectual or desirable. A. A. Hayes, M.D., State Assayer	
, 6 43 5 42 5 13 9 42 2 11 5 40	York the remarkable feat of breaking	amply sufficient for the whole. Let	LITUIPOUL CHARLES DILL, LIGH.	of Massachusetts, says, "The con-	
and the second second states	5,000 glass balls inside of as many con-	the fifth wheel of the carriage alone,	T I I Con A TAIL TO TA T	stituents are pure, and carefully se-	
	secutive minutes, the missiles being shot from a double barreled gun. The	In it grates tighten the King-boli, but	Milton, Queen's-G. Whitfield Freeman, Esq.	lected for excellent quality; and I	
E TIDES.—The column of the Moon's hing gives the time of high water at		keep grease off from n Onuallagaa	Zusquodobolt-Edward McCabe.	for its intended purposes."	
rsboro, Cornwallis, Horton, Hantsport, idsor, Newport, and Truro.	and were shattered in the air. The	Parmer.	Mahone Bay-Joseph Ham Margaree, C. BLachlen McDonald.	Price, One Dollar.	
igh water at Pictou and Cape Tormen-	weapon. weighing 10 pounds, was lifted	HODSE STATIC IN VADIOUS COUNT	New Germany-Adam E. Durland.	source tenner tour tours four	
2 hours and 11 minutes LATER than alifax. At Annapolis, St. John, N.B.,	amigulant to 318 foot pounds not	morres The the United States England	Nictaux-W. A. Morse.	Buckingham's Dye	
Portland Maine, 3 hours and 25 min- LATER, and at St. John's, Newfound-	oquinantent to oro lott pounde po	and France the horse-shoer simply takes	Nor Albany Daniel Whitman	FOR THE WHISKERS.	
2 20 minutes FABLIER, than at Halifax.	and continued for over 9 hours	the horse's foot on his knee to shoe it.	OsborneRev. E. N. Archibald.	This elecant preparation may be	

At Charlottetown, 2 hours 56 minutes LATER. A Westport, 2 hours 54 minutes LATER. A Yarmouth, 2 hours 20 minutes LATER.

land, 20 minutes EARLIER, than at Halifax. and continued for over 8 hours.

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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PRICE \$1 PER BOTTLE. SOLD BY ALL DRUGGISTS. April 22.



The Boston Journal says that the ship building tonnage of Maine for 1877 has reached 76,308 tons, showing an increase over that of 1875 of 1,247 tons.

At the Paris Exposition the exhibition of minerals by California will be exceptionally fine. Their estimated weight is 500 tons. A pyramid twenty feet square at the base and nearly seventy feet high will represent the 7,000,000 of cubic inches of gold which have been produced on the Pacific coast. This mass would be equivalent to a solid piece of gold as large as a room sixteen feet square and very nearly sixteen feet in height. Around this pyramid fiftyplate glass show cases will be arranged in which the mineral wealth of the country will be shown. "Life under ground" on the Comstock lode will be exhibited by diagrams, and the Sutro tunnel will be fully represented.

factory claims that in six hours after cutting down a tree the paper made tion. It is claimed for it that it lasts from the pulp can be ready for use.

Japan has no system of patent laws. The Japanese, with their native skill and ingenuity, copy very successfully foot. It requires no calks; even on many of the machines sent to that country, thus almost immediately stopping further importation of such machines.

Scientists have carefully ascertained the total heating effect of the sun's says upon the earth, and estimating the whole heating power of the sun as 2,-300,000,000 parts, it is calcuated that less than one of these parts reaches the earth, and yet it would melt a layer of

the horse's foot on his knee to shoe it Osborne.-Rev. E. N. Archibald. This depends to some extent on the aradise-M E. Marshall. nature of the breed of horses, which in some countries are, on the average, most shy, and most of them could not well be treated in this way Thus the Netherlands, and in parts of Germany, Netherlands, and in parts of Germany, Locke's Island—Xerxes Z. Chipman, Esq. the horse is placed in a narrow stall, where short chains are attached to the New Ross-James Lantz. unrights then one of these chains is Springfield-Isaac MeNayr, Esq. uprights; then one of these chains is placed around the horse's ankle and the foot lifted and tied up to a convenient height for the smith to do his work. In Turkey and Servia the horse's head is held by one man, another holds his leg on his arm, while the third operates on the foot. In Russia, the horse is placed in a square cage, made of rough wooden planks, and is strapped around the belly with wide leather straps attached to cross bars of the frame-work; his head is also safely tied, the foot is ST. JOHN, N. B.-John F. Masters, Esq. fixed to a stake in the ground and is held by an assistant, while the smith nails on the shoe. - Canada Casket.

The English have adopted a horse shoe made of three thicknesses of cow-The superintendent of a wood-pulp hide compressed into a steel mold and then subjected to a chemical preparalonger, and weighs only one-fourth as much as the common iron shoe; that it will never cause the hoof to split, nor have the least injurious influence on the asphalt the horse never slips.

> Mr. Mechi, says the English are not doing all they might to feed the people abundantly and cheaply. There were 46,000;000 acres in England, and 32,000,000 inhabitants, and only 40 per cent. of these 32,000,000 were fed with British food, and the 60 per cent. would be without their bread, and a good deal of their meat, butter and

Port Medway-James T. Foster, Portaupique-Joseph Upham. Pubnico-Isaac Larkin. Pugwash-Angus McDonnell. Parist orough-Joseph M. Layton. St. Mary's Bay, Digby Co.-Chas. McNeill, Esq. Stewiacke--Rev. Jas. Meadows. Sydnev, North, C. D .- A. G. Musgrave. Sydney Town, C.B -C. H. Harrington, Esq. Truro-L. J. Waiker, E-q. Upper Wilmot-Rev. W. E. Hall, Windsor-Andrew F. Shand. Westport-Holland E. Payson, Esq. Weymouth-Rev. C. Randall, Wilmot-Dr. J. Woodbury Wilmot, Canaan Road-Fletcher Wheelock. Wilmot Mountain-Jas. P. Foster, Esq. Wolfville-G. V. Rand. Yarmouth-C. W. Sanders. Deerfield-Rev. J. A. Stubbert. Do.,

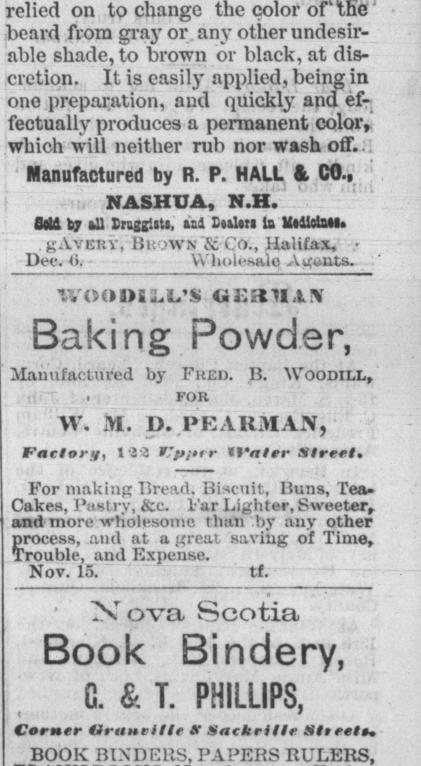
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