DESERET EVENING NEWS: SATURDAY, NOVEMBER 10, 1900.



"HE latest information that comes steering it without a hitch wherever he springs of nature itself and its vastest means of fires and beacon lights on granted Morse for his telegraphic in-strument and 56 since he brought it into HE latest information that comes steering it without a hitch wherever he may be prepared for divers and mountain tops, and it is strument and 56 since he brought it into phenomena, we may be prepared for divers and mountain tops, and it is strument and 56 since he brought it into acted upon a set of magnets and may development short of communication that this system of signaling between Washington and Baltimore. - any development short of communicat- claimed that this system of englances between Washington and Baltimore. his achievements, and they were adopt- the ground. Most of his achievements, and they were adopt- have been conducted on

Marcon, the young and that he has wizard of itegraphy, is that he has finally succeeded in preventing other people from stealing, not his thunder. They are not only telegraphing people from stealing, not his thunder. They are not only telegraphing with the planets and the stars. There are some sanguine individuals, even, who predict that we shall some time be provide the communicate with Mars and the stars are some sanguine individuals, even, phore) and a code was in use during the french revolution, as early as 1792, and the latter, by



the earth to complete the circuit, traced many miles. Ines and dots on ribbons of paper, Many great minds were engaged upon the problem of telegraphy when Morse

It is just 60 years since a patent was for use in its navy. Then he went to self has disproved this the way, having been laid between Governors island and the Battery, New

As with the discovery, or, rather, the

light and with the same rapidity.

A German scientist named Heinrich Hertz verified these theories and experiments, carrying forward the work to the time of his death in 1895, and made such progress that the undulations were named, after him, "Hertzian waves." The Russian Popoff success-fully sent messages by them five years shire, England. A local socialistic lec-socialism mean, then that if the traits ago, in 1895; Branly and Ducretet, turer was spouting away like the Intel- 'osses tha'd gie me one Frenchmen, invented receivers for reg- lectual whale that he was not and had istering them, so that men of several passed from the r nationalities are entitled to the honor main tenets of of having established the law that gov- socialism to erns the phenomena. Suddenly there consideration of appeared one of another nationality, an communism in Italian named Righi of Bologna, who property. From had hardly published his account of the way he talksome improvements he had made when ed one would his laurels were wrested from him ty have supposed his pupil, Guglielmo Marconi, then only that he owned 21 years old. It may have been by in- the whole world tultion, or from a remarkable grasp of and was ready the subject, but there is no doubt that -- nay, eager-to Marconi, like the great American in-ventors, Thomas A. Edison and Nicola his brethren to Tesla, is a "natural born genius," and divide a mong was able to advance farther than any themselves. As "I should her one, then !" of his predecessors. He availed him- he paused to take a drink a cutler in their appearance to waterspouts, self of all the inventions and discoveries that had been made before and has

been declared a "practician," rather owing to high seas or fires, have been while on voyage from Shin kin than an inventor. But, whatever his abandoned, and every master of any Miss. for Ferame, with e peculiar gift, whether as an originator kind of craft arriving at our ports is of pitch pine logs. A passing crew or adapter of other men's inventions, it expected immediately to forward in- her on fire about Dec. 8 and she was through him that wireless telegra- formation to Washington of any dere- last reported Dec. 12 in 18" of north phy received its greatest impetus.

No one man can claim the glory of achieving this great discovery, and it might seem unjust to grant one a pai-ent, and refuse it to another. In fact, the validity of Marconi's patents has been questioned in some particulars, the French for instance of patents has been questioned in some particulars,

the French, for instance, advancing the claim for precedence in the practical could be filled with the details of oc- with cargo of lumber. Capited

Morse register and made great ini- the public as a concrete whole. In- raphy and what has been accomplished of trying to prove or disprove the may be summarized accomplished Morse register and made great for the fact of trying to prove or disprove the may be summarized as to provements in electro magnets. It was stead of trying to prove or disprove the may be summarized as to in 1837 that Morse's telegraphic instru-ment, so simple and efficacious that it is used in a modified form today, was a hypothesis, and, assuming that mes- the difficulties in the way is used in a modified form today, was sages could be sent by them a hundred First. after perfecting first exhibited, and that same year Steinhell's telegraph, extending 12 could not be sent a thousand, or as all the perfecting his trans-Steinheil's telegraph, extending 12 could not be sent a thousand, or as ed the opposition offered many miles. clouds, fogs. etc. Then same He finally succeeded in perfecting an parent difficulty presented by

the problem of telegraphy when Morse filed his caveat for a patent in 1837, and that very year Wheatstone and Cooke He readily convinced the Italian patent. that very year Wheatstone and Cooke in England took out a patent for an in England took out a patent for an support and the adoption of his devices ing distance above the earth.

posititious transport bringing supplies sea, In fact, the from Canada was discovered 89 miles promise to actrue in come away by the convoy sent in search of maritime affairs, as, for York, and almost immediately carried her, attracted great attention at the connecting of isolated units away on the anchor of an intruding time, and his subsequent establishing the equipment of vessels will of uninterrupted communication be- fus for instant communication tween the shore and the Prince of the shore and with each other development, of telegraphy by means Wales' yacht while on a cruise set the tance, etc. At least one wre development, of telegraphy by it was with this seal of approbation upon his schemes, obviated by the use of wireless latest and in some respects more won-derful science of wireless telegraphy, It is a question for experts to decide whether Faraday or Henry was the true discoverer of electric waves or ther propoulsion, but Clerk Maxwell, the Scotch physicist who died so late as 1879, crystallized their theories into fact by his extensive experiments and proved that the waves or undulations Although yet a young man, only 26 phy, thereby forcing from the by his extensive experiments than 1,000 words from a moving stoant, with ench other, France and E er to the receiving station at Navesink, and the subsequent recognition he rethrough the air in the same manner as ceived from our government, may be stacle to transrecalled in this connection. The present status of wireless teleg-

Between Europe and A FREDERICK A. OBER

GETTING TOO NEAR HOME.

Ar for

A

The lecturer smilled us he set dow the glass. "Of course," he said. "Will ingly Aw'd gie thee one." "If thaid two cabs," pursued the cut-"would the gie me one?" "Ah," returned the lecturer, wi smilling, "the should hey a cab as buther

"If the hed two pigs," still west of the cutter, "I should hev one, then?" The locturer smilled no more, " shut thy face," he said; "thes know Aw've gotten two pigs,"

The deserts of Arabia are speciremarkable for their pillars of sar which are raised by the which and have a very close resemblan

lict he may have seen on his voyage, 29' west, burned away aft and

has "syntonized" his instruments and telephony will soon be immensely de- the Martians through these waves that of these to whom we are most indebted However, it was Signor Marconi, a steamer plowing resistlessly through Dereliet American schooner La brought wireless telegraphy, as it is veloped along these lines. In fact, oscillate 100,000,000 times a second. called, to such perfection that he can when we consider the forces brought The first to send messages along "na- of the Smithsonian Institution at Wash- was an English woman, who gathered craft in collision will speedily become from Boston for Norfolk Dec send a message direct to its intended into conjunction in this wonderful dis- ture's great highways in the aerial ington, who in 1831 devised an instru- all the threads of the various inven- a derelict itself and furnish another in Anchored off Sandy Hook a destination without any danger of its covery: that they deal with the occult locean" were those who signaled by ment with the essential features of the tions together and placed them before the list of terrors that beset the sailor's the 15th in a heavy gale

a return wire and completing the cir- tial feature of the receiving instru- ever written by our most accomplished Henry, which tug, assisted by electric shocks across the Schuyikill in tory of all past discoveries of like mag- sighted in a manner reminding one of to Norfolk, arriving at \$ p. m 1748, while in 1794 a German scientist nitude teaches us that the individual that in which the pilot is said to have used the electric spark in telegraphy. Is nothing-the cumulative impulse of discovered the rock in the channel. He lict first and intended to biost but by employing 36 wires each way. the century or the cycle is everything. knew every obstruction in that channel, but offered to assist Argus if Telegraphy, like every other great in- For a few years, say for the duration it will be recalled, and when the vessel sired to take her into port, with vention, was not communicated to the of a patent, one man or company may he was piloting ran against a rock he suit that derelict was righted world by any one man, but owes its be- control the invention and receive hs said triumphantly, "And that's one of folk havy yard and subsequent and scientists during many years. One be the beneficiary.

ing to the researches of philosophers usufruct, but in the end the world will them!" In such a case, either with a to Boston, where she arrived J is Professor Henry, the first secretary Florentine by birth, but whose mother the waves, the chances are that the G. Potter of Greenpert, N.

path.

wrecked, entailing a loss of 200 lives Every derelict has its history, or, and property to the amount of \$3,000,000. rather, blography, until it is either tow- a heavy squall struck the ve Accurate records are kept by the hy- ed into some port or removed by fire or drographic office of the wrecks that, explosives from the surface of the

that electricity would force itself use of electric waves for transmission currences at the time the derelicts were turned through considerable lengths of wire, of messages, and especially for M. abandoned to their fate, would afford Red Star tug Argus at new, the earth or water taking the place of Branly's invention of that most essen- as interesting reading as any sea novel 1889, 38 miles east by north Franklin was able to transmit ment, the "coherer," Indeed, the his- romancers. Sometimes the derelict is States steamer Dispatch tow clipper ship under full sail or an ocean 1890.

storm, parted anchor chain and

out to sea on the 27th, and the t sizing her and hurling crew Was cruised for and found by Red Star tug Internatio found her at noon, Jan. 15, 1891 her to Delaware breakwater

where she was righted and 7 Philadelphia, arriving Jan. 21, 189 13 months after the disaster.

British brigantine Hyaline from Nova Scotla to Barbade cargo of lumber and codnah ler and filled with water. (cued at great peril by boat i man steamship Sophie Feb. 3 fatitude 37º 40' north, longitu west. Our fourteenth report in latitude 45° 56' north, long P' west, on Aug. 14, 1896, when weglan bark Homestead place leum on board of her and set he But she has been seen five time quently, the last time on Sec utitude 44° north, longitude.

Setting fire to an aband does not always send her to but, on the contrary, often, if leaves her more a menace t by destroying the masts spi the upper works, while the hulk Hes so low in the difficult of discovery. the Atlantic, for insta of the new steel bark No was set on fire by the crew Knight Templar. She still the waves right in the t atlantic liners. The Nonpar seen in latitude 39° 50' no 42°. In latitude 29° north, west is a 500 ton vessel

ocean and sent to the bottom. Here are gone; in latitude 25" north, lot a few specimen bits of biography, as transcribed from the records of the hy-of our coasting vessels, 20 m. drographic office. They lack the inter- east by east from Cape Mar. is a est to the ordinary observer attaching to them in the eyes of the sailor whose And so on. There are at plant ship may become their next victim, but even dozen vessels, wrecked there is a mine of information as to sea year, which are cruising as a currents, drifts, winds and waves, even the paths of steamers and sail sels, imperiling thousands of The British bark Siddartha, on voy- millions of property in crafts and

age from Jacksonville, Fla., for Liver- goes. They have been approximation wrecked and abandoned Feb. 22 in lat- ed and are constantly pool, sailed Jan. 26, 1899, was partly itude 39° north, longitude 20° west, would not be a difficult matter Crew rescued by Danish bark Verdan- Vesuvius to find some of them de. Was sighted 59 times in all, the and by sending them last on July 6, 1899, off Bantry bay, Ire- locker" with a charge of d land, where a British cruiser found her the minds of hundreds

ALBERT EUSTI

Norwegian barkentine Taurus became such than of their phy waterlogged and had rudder damaged the lookout for companie in storm, abandened Nov. 16, 1895, in cerie voyagings.

latitude 49° north, longitude 10° west,

these signals and to carry white or red tint and, again, thyst to a ruby red,

PERELICT SCHOONER, JOHN HANCOCK

to the "landlubber."

and towed her in.

being intercepted on the way. The trouble with the system hitherto has been that it was too promiscuous in bestowing its favors, for while a message could be sent out from a certain station, there was no certainty that it could not be picked up by any number of "receivers" lying in wait for it at different points of the compass.

The electric waves were likely to conflict also, and if several telegraphic signals were flying through the air at would be hopelessly jumbled.

Another defect in the system has re-

THE STORM SEASON---DEATH DEALING DERELICTS.

once, there was a likelihood that they TIS not conducive to the repose of | ment to do something is that the north | than a hundred vessels are known to those "who go down to the sed in Atlantic coast of the United States is strew the ocean bed, and the next most A ships and do business on the deep most prolific in wrecks, and conse- fatal spot is the Cape Cod region off the cently been remedied, and that is the supposed necessity for using very tall are floating aimiessly about the two great graveyard of gallant craft, to be year 1809, in which probably the greatpoles or masts in the transmission of oceans, mostly in the Atlantic, some of sure, is in the immediate vicinity of est number of disasters occurred for messages or signals. In the experi- them in the direct highways of mari- Sable island, 100 miles southeast of No- many years, it was estimated that near-

ments conducted by Marconi across the time commerce; yet very few sailors va Scotia, where the remains of more 1y 400 vessels were wholly or partially English channel the mast used was 177 ever give the subject a thought. In the feet high, though the distance was only capital of our country, however, there 30 miles. Such has been the rapidity is a body of men whose duty it is not with which this invention or discovery only to obtain information of these has progressed that it was less than dreadful menaces to navigation, but if two months ago that an authority in possible to exactly locate them, char electrical science stated in a technical their routes and supply such informa magazine that in order to communicate tion as will lead to their removal. Owby wireless telegraphy a distance of 40 ing to the watchfulness and activity at miles the wire attached to the instru- the United States hydrographic office ment should be elevated at least 100 feet at Washington, through whose courtesy above the level of the sea or surface these illustrations are presented, mas of the earth. But now comes the as- ters of vessels are kept informed of the tounding information that Marconi has location and augmentation of this transmitted a message that distance- "graveyard fleet," so that they may beating his former record by 25 miles- avoid, and when practicable, assist in and that it was received on a cylinder removing them. These derelicts or abandoned vessels have become so nuonly four feet from the ground. It was predicted a year ago, when ex- merous of late that it is said the merperimentation with the wireless system chants of our great cities on the At-was at its height, that before another lantic coast purpose uniting in a memoyear had closed messages would be rial to the secretary of the navy, reflitting across the Atlantic from Eu- questing him to dispatch the dynamite rope to America without wires or ca- cruiser Vesuvius on a voyage of debles, but that in order to do this they struction. The Vesuvius has not been would have to be sent from balloons a conspicuous since the close of the Spanmile or so up in the air. Tay Lugaboo ish-American war, but all can remem the electricians causelessly feared and ber that she used to throw tons of dyreckoned against was the curvature of namite, etc., at the fortifications of San the earth, but it has transpired that the tiago, when her warning cough was alelectric waves take no account of solid ways followed, according to the vernmatter any more than of the impaipa- clous correspondents, by cataracts of ble ether, apparently, and when liberat- water uprising from the inner harbor ed go straight to their destination with the rapidity of light itself. the rapidity of light itself. So now the two greatest objections to She made dreadful holes-in the water

the forthcoming universal application -but after the castle was captured a of the wireless system have been re- rigid search failed to find the enormous moved or surmounted, and, extending chasma which she was supposed to the time a little, we shall doubtless wits have opened in the fortifications. Howness the transmission of messages ever, the Vesuvius would be of inestimacross the Atlantic without any diffi- able value as a wreck destroyer, and it culty. One of the latest applications of is to be hoped that she will at once be the "Hertzian waves" is as an auxiliary dispatched on her beneficent mission in in torpedo warfare, for a young naval search of the derelicts.

nessing them to his submarine boat and makes it incumbent upon the govern-

officer has succeeded, he claims, in har- What brings this subject home and

TOPICS OF THE MOMENT.

the Labrador coast recently, Jay Jan-sen, the agent in charge of a whaling that time he will have died of starva-

alone at Cape Haven since 1897, and the ed.

BRITISH BARK SIDDARTHA. PHOTOGRAPHED AT DUSK.

260,000 volumes. The number of books Philadelphia, who is firm in the belief an "intelligence office," which was also iravelers in case of accident on the fashionable. Its pop circulated during the year ended May that automobile hearses and automobile a siave market, as appears from a no- mountains er other circumstances in Faris, crossed to New 31, 1900, was 1,749,755. The library has funerals will soon he seen from the funeral will soon he seen from the funeral will soon he seen from the funeral second funeral second for the function of the functio By the loss of the relief steamer Lily to him a year's supply of food and coal. St. 1990, was 1.749,775. The library has that automobile hearses and automobi of the North, which was wrecked off No ship can reach him till next sum- 60 branch stations.

for another year. Jansen has been the greater portion of which is exports leave a balance of \$200 clear profit.

The only automobile funeral wagon stones.

Last year that institution realized preacher's carriage took fright and ran to be sold at said office West India and At night a lantern or other light is to know working in the horse time the horse time the horse time the horse at said office West India and At night a lantern or other light is to know working in has been cut off from all prospect of communication with the outside world for another year. Jansen has been the greater portion of which is expertcaught, after demolishing several head- secondhand chairs," etc.

The Swiss Alpine club has arranged a calico as part of their outfit. Laly of the North was to have carried The public library of Chicago has in existence is used by an undertaker in In the old colonial days Boston had code of signals to be used by Alpine In stones the sapphire is the most that



