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YORKVILLE, S. C., TUESDAY, FEBRUARY 21, 1911.

ESTABLISHED 1855. of the same celestial body across the MAD CAREER OF "BLACK BART." which he had gained solely by reading. As the stage passed through the Miscellancous Beading. square half the thieves in the prisons woods next day Holzhey stepped from He subscribed for a New York finanmeridian is called a day. if they could but obtain it. behind a tree and stopped the driver. cial journal that cost him \$12 a year. If the body considered is a star, we Famous Bandit of Wisconsin and And so he resolved that he would Novelized by "Alias "I want to make a collection from and for a Boston paper of the same nahave what is known to the astronomer Michigan Changed By Operation. take Red with him wherever he went IN UNION THERE IS POWER. you fellows," he said to the bankers. ture. Within a year he had a profit of as a star day, or sidereal day. The Governor Warner has commuted the if possible to arrange it. Together FREDERIC R. TOOMBS stars are fixed, the earth rotates unisentence of "Black Bart" Holzhey, who "Gentlemen, shell out." \$1,800.-New York Tribune. they would hew a way out of the In Organization the Farmers Find formly on its axis, and as a result the has been in Marquette (Mich.) peni-"All right," said A. E. Fleishbein, o morass of degradation and misery into From the Great Jimmy Their Strongest Weapon. Belleville, Ill., one of the trio. "Here's sidereal days for all stars are of equal tentiary since 1889 under a life senwhich they had been plunged. tence, to 40 years. This brings Holmine." length. But which star shall be chosen Play by To the Officers and Members of the Red had been unfortunate in his With that he pulled a revolver from as the most important in the heavens. zhey under the scope of the pardon Farmers' Union: early environment. Here lay the cause so that time shall be reckoned from it? his hip pocket. Before he could fire, Organization is today the greates board and he was released on parole Valentine" PAUL ARMSTRONG of his lawbreaking career. Left an Holzhey shot, and Fleischbein tumbled Instead of selecting a star the ason New Year's Day. veapon and the most achieving tool at orphan in a crowded tenement on the tronomers have picked upon the vernal Can a skillful operation transform into the road. A second man tried to the disposal of the American farmer. east side of New York city at the age Copyright, 1910, by American resist, and Holzhey shot him also. The One day south of the Arkansas, beman from an unruly, murderous rufequinox, the intersection in the sky I have stressed, in previous appeals of thirteen, he had been taken care of horse took fright and ran away. Press Association of the equator and ecliptic. When it fian to a quiet, gentlemanly fellow, the almost magical value of organizaby his uncle, a retired police captain, tion, as shown in great and small busis on the meridian the astronomer's Holzhey coolly searched the second fond of books and the society of refined who operated a gambling house in clock says 0h. 0m. 0s., the beginning of and educated men? man whom he had wounded. As he iness, state and Federal government, "Yes, what is it?" questioned Red. Thirty-third street. CHAPTER IX. bent over him he said: accomplishment generally the world the sidereal day, whose hours run from "Black Bart" Holzhey, former noto-Four years later Red was placed in A silence ensued. Valentine was "It is the return of hope," answered rious bandit and train robber, is a liv-0h. to 24th. In a great observatory "If that fool had not shot, you would charge of the buffet in this establishover Valentine, his emotion causing his plainly suffering from the blow. ing example of what may sometimes But one could write volumes and yet the position of the stars are recorded not have been hurt. I am sorry for ment, which occupation he followed Then an expression of confidence came voice to shake leave many features of the subject unyou, but it's my business." in time kept by such a sidereal clock, be accomplished by a comparatively until a new district leader was elect-"You've weakened again?" sneered into Valentine's face. He seated him-Then he rifled Fleischbein's nocket and sidereal time is of great import One night during horse show handled. simple surgical operation self on a sofa at the left of the room. ed. Red. I am, moreover, extremely anxious and disappeared. ance to the astronomer. Holzhev was sent to prison twenty week the sound of lusty ax blows on "She'll be back," he said. "You fel-"No: I'm strong again." He slept in the woods, only going t one years ago for killing A. E. Fleisch Due to the annual revolution of the that every American farmer not a the armored front door struck terror "You mean that's from the girl?" lows are just like Izzy Snedden. He the villages for necessary food. member of the Farmers' Union identify earth about the sun the sun appears bein an Illinois banker, in the hold-un "She is coming back, Red, and into the hearts of the employees and always said women didn't amount to It was when he went to Republic himself with this organization; for his to move continuously eastward among of a stage coach near Lake Gogebic there's nothing to this earth or in h-1 the fashionably attired players of faro much. Guess that was because one of own sake, first, and, necessarily, for the stars, completing a journey once Mich. He was sullen and intractable that the bandit was captured. One day the barmaids at the Cheshire Cheese that can make me go wrong. You said roulette, baccarat and poker. he walked into Republic, 120 miles in a year. The sun moves in what is until an operation removed a bit of the good of the organization. The lad's truthful testimony at the a minute ago that if you thought in London peached on him to the Scot-There is not one American state in called the "ecliptic," and its motion is bone that was pressing on his brain, away from where the crime was comtrial which followed so enraged his land Yard bulls, and he had to make had a chance you'd stick." which the Farmers' Union is well or- from west to east among the stars. and he became almost immediately a mitted, and where he thought himself uncle that Red no longer found a home a quick getaway hidden under the "I said it." safe from detection, to obtain supganized, but the lot of the farmers of This apparent annual motion of the normal, law-abiding man with a conwith him. Cast on his own resources coal in a freight steamer. But this "Then I hold you to that." that state generally has been im- sun has very important consequences, suming thirst for knowledge. For plies. Village Marshal Glade recoghe was attracted by the glittering "Good God!" exclaimed Avery girl is different from the kind of wo-Let us consider those only that refer to several years he has been in charge of nized "Black Bart," and lured Holzhey promises of an expert poker and faro proved. "You're not goin' to turn square, too, men you and I have known, boys. She the library in Marquette pen, and he to the second story of a hotel. When Why? ime. dealer whom his uncle had employed. saw there was something good in me, Red?" he came downstairs three powerful Imagine a sun and a star on the has made himself an expert photo-For the simple reason that instead "I'm going with Jimmy. If I'd do He joined with him in several trips on even when I wore the stripes, and she men pounced on him. It took three than anything else it could be comparf working singly, or in pairs, for the meridian together at noon on a certain grapher and a close student of photoa bit for him I got to go if he asks coasting steamers, "sitting in" with the took me out of the reach of Warden men to bind the desperado after he day. One complete revolution of the graphy. local, the county or the state imgambler in poker games with the pas-Handler and 'solitaire'-'solitaire,' had made a fierce fight and attempted mighty herd and the moaning of the i+ " "I believe that the man is now norearth on its axis would bring the provements and reforms they needed. sengers and exchanging signals with "What am I goin' to do?" asked Av Does that mean anything to bulls earth's meridian back to the star, and mal and ought to be given a chance to to shoot his captor. they have worked as a unit. boys. him concerning the cards they held. you?" Valentine's voice rose higher. ery plaintively. That is the secret of organization a sidereal day would have elapsed. In be a good citizen," said Governor War-Next day came Sheriff Foley and He learned the art of denting the cor-Valentine drew close to him "Yes, and she's going to do one thing ner. "It is evident to me that he comseveral men from Gogebic to identify and its wonderful efficiency everythis interval of time the sun has apners of the aces, kings, queens and "I've got you a job, Bill, a good one, more for me. She's coming back to Holzhey. Among them was Thomas parently moved eastward among the mitted his numerous crimes under exjacks with his thumb nails so that in where. e announced help me start on the square." stars, and it is necessary for the earth traordinary, unnatural circumstances Damuth, driver of the coach in which For instance: If it were to the indealing with fingers sandpapered o "Me a job! Where?" Red stepped close to Valentine, grip-Fleischbein had been a passenger. terest of the farmers of a certain state to rotate a little further on its axis from which he has completely recovworn almost to the bleeding point with ped his arm and hissed determinedly Valentine read from a note Mrs "That's the man," said Damuth to overtake the sun, bring it out on the ered." to secure a larger educational appropumice stone he could detect these in-Moore had left with him. into his ears: "You know she won't. ooking at Holzhey. Holzhey's story is one of the most meridian and complete the solar day. priation that there might be more litdentations and know when and to you don't think a straight girl would "Listen," he said. " 'This will intro The robber returned the stare. Hence sidereal days are each shorter remarkable examples of daring crime tle "red school houses," what would be whom he was dealing the high cards. duce the man you promised the posistand for a crook like you, do youand surprising reformation in the an-"How are you, Damuth?" he said han solar days. the plan under the old system. From this it was only a step to a partyou, with the coppers always after you tion as watchman of one of your grain nals of criminology. It goes far tofiercely. A farmer or two would write his rep-As the sun completes its journey in nership with the great Jimmy Valenon account of some of the old stuff we "Would you have shot Glade?" ward proving the theory of many prisa year, it crosses the meridian one time resentative in the state legislature, the tine, the man who could "cop a gopher" did? Don't kid yourself, Jimmy. It's on experts that crime is due in a large was asked. less in a year than does a star, and latter would laughingly read the letter without any artificial aids. "Would I have shot him? he exwith respect to the sun the stars gain measure to physical conditions. Holno go.' and there the matter would end All this was well known to Valen-"If any other crook had dreamed a claimed. "I would have shot them all advance by way of the bluff and awaitone revolution, and hence in a year zhey was a normal youth. At the age It would continue to rest for months tine. He himself had drifted into bad dead in their tracks. I'd a d- sight ed our approach. When we reached dream like that, what a laugh it would there are 3651 solar days, but 3661 of 23 he experienced a sudden desire and years, until gradually the feeble. company in a manner somewhat simirather be dead myself than here. I the top of the bluff what a bewildering be, but now you go, Red-you and sidereal days. Consequently it is read- to commit crime. scattered voices got together and made lar. He could see in the lessons of his expected a bullet every time I tack-Avery. ilv seen that in twelve months a side-Reimund Holzhey was born in Thursuch an impression upon the law-makown experiences that Red's misdeeds Red rose quickly. ingen, Germany, in 1866. He came to led a man, so why shouldn't I send real clock will gain a day in twentying body that action was forthcoming were not entirely blamable on Red. "What do you mean?" suspiciously. one when it was necessary?" Had organization existed the result four hours, on a solar clock. Twenty- the United States at the age of 16. The light of resolution shone in Val-He was about to inform Red of his Holzhey was tried for killing four hours yer year means two hours He worked in the woods of Wisconsin would have been hastened by as many intention to aid him in a new career entine's eyes. when he heard in the corridor the

"I've quit," he said. "What!" snapped Red and Avery together.

"I've quit."

"What about Doyle?" put in Avery "He's heavy on your mind, ain't he, Avery? I can beat Doyle." "You ain't going to lose that coin

I've got staked out for an hour's work?" wailed Red. "Seven thousand if there's a dime!"

'Yes, I'll lose that." "And a trip abroad to brace you up-

a month in Paris?" "Yes; I lose that too."

Red went on excitedly, bending

"I KNOW WHAT'S INSIDE OF ME.

as there was numerical power and wise day, a second every six minutes. leadership to the organization.

Sidereal time keeps track of the me That is what organization does tions of the stars (which is its sole hastens results, reduces scattered public sentiment to a focus, and makes it beat hard, loud and persistently upon the ear-drums of a sleepy legislature. We have proved it in so many states, that I cannot undertake to enumerate good for all the fixed stars and con-

stellations. Politics is just one feature. If all sidereal days are equal to each months the subject of comment and If organization is effectual in that eld, it is no less effectual in creating Solar days, though longer than side conditions that will lessen the farmers pleasant, give him good roads, put him each other only if the sun moved uni-

Fleischbein, found guilty and sentencper month, or nearly four minutes a and northern Michigan. He was an ordinary lumberjack for years. ed to life imprisonment at Marquette. Suddenly, without giving any evident sign of a change in his disposition, he purpose), and hence it is seen that each flashed into publicity as the most bold inclined to risk any chances of rescue. of the stars will come on the meridian and ingenious criminal of his generaat 10 p. m. on the 1st of February: on tion. His exploits rivaled those of the 1st of March it will be on the eri- Jesse James. From April until Au- revolvers, a double-barreled gun, loaddian at 8 p. m. The same thing holds gust, 1889, his name alone was enough to terrify travelers in the north handcuffed together, and a short chain Hills, there was a moving, black mass woods, and his exploits were for The night was starlight, clear and cold.

other, are not all solar days likewise? embroidered narration. He became and the road was covered with snow. One of the travelers accosted Holknown as "Black Bart," owing to his debt, make his living conditions more real days, could be equal in length to swarthy appearance, and under that zhey in German, asking if he was sobriquet became notorious as the cold. "No," said he, moving his thin- beginning and ending, were undefined. formly among the stars in a circle at most picturesque criminal in the his- ly shod feet out of the snow and clank- They were moving deliberately and

BUFFALOES ON THE MARCH.

NO. 15.

When the Line of a Great Herd and of a Body of Troops Crossed. The immensity of the buffalo herds

in this region was beyond computation. tween Wichita and Camp Supply, they were so numerous that they crowded the marching columns of the Nineteenth Kansas so dangerously close that companies were detailed to wheel out in front and fire volleys into the charging masses," said William D. Street of Decatur county, at a meeting of the Kansas Historical society. But it was not until I came to the northwestern frontier that I beheld the main herd. One night in June, 1860,

company D, Second batalion, Kay state militia, then out on a scouting expedition to protect the frontier settlements, camped on Buffalo creek, where Jewell city is now located. All night long the guards reported hearing the roar of the buffalo herd, and in the stillness of the bright morning. it sounded more like distant thunder ed with. It was the tramping of the

Just west of Jewell City is a high point of bluff that projects south of the main range of hills between Buffalo and Brown creeks, now known, we believe, as Scarborough's Peak. When the camp was broken the scouts were sent in advance to reconnoiter from the bluff to ascertain, if possible, whether the column were in the proximity of any prowling Indians. They advanced with great care, scanning the country far and near. After a time they signaled the command to scene awaited our anxious gaze!

To the northwest, toward the head of the Limestone, for about 12 or 15 miles, west across that valley to Oak creek about the same distance, away to the southwest to the forks of the Solo-The highway from Bessemer to the mon, past where Cawker City is now railroad passes through three miles of located, about 25 miles south to the wild forest, and Sheriff Foley was not Solomon river, and southeast toward where Beloit is now situated, say 15 The sheriff carried, in addition to his or 20 miles, and away across the Solomon river as far as the field glasses ed with slugs. Holzhey had his wrists would carry the vision toward the Blue with gyves was fastened to his ankles. of buffalo, all traveling to the northwest at the rate of about one or two miles an hour.

> "The northeast side of the line was about a mile from us; all other sides,

"Many times has the question come

to my mind. How many buffaloes

were in that herd. And the answer-

no one could tell. The herd was not

less than 20 miles in width-we never

saw the other side-at least 60 miles

in length and maybe much longer-two

counties of buffaloes. There might

have been 100,000 or 1,000,000 or 100,-

"After gazing at them a few

Just think that ten years later there

was hardly a buffalo on the continent!

That vast herd and the many other

herds had ben exterminated by the

ruthless slaughter of the hide hunters.

as food for the coyotes and carrion

Bank Notes Made of Skin.

In China, the first country in the

world credited with using bank notes,

certain skins were so valuable that

who left the meat to rot on the plan-

tensely toward Valentine "But you won't lose the old thrill of going into a bank just before dawn landing the watchman and feeling ou a combination in the dark?"

"And hearing the coppers pass and try the door?" reminded Avery eagerly. "And seeing the old safe open up like an oyster and grabbing the dough?" said Red alluringly. "And make a clean getaway?" fol-

lowed Avery. "And the long jump and the landing in at a swell cafe, Jimmy-eating the breakfast of the millionaire?" sang out Red.

"With the coin in your kick?" added Avery.

ery's face. "And reading the papers and laughing our heads off at what suckers we made of the coppers-you ain't going to lose that, Jimmy?" Red pleaded, with every ounce of effort he could control. thief.

Indecision had begun to show in Valentine's face, and now his surrender was complete. "You got to me, Red," he announced,

then added eagerly: "Where is this layout you got? Can we get to it tonight?'

"Sure. It ain't two hours from here." "It's a cinch," commented Avery

lightedly. Jimmy for the thrills of the "crooked game." The thrills of it to him were more precious than the rewards. They were his rewards. Besides, the girl had not returned. She had paid the debt she

ery.



"AND SEEING THE OLD SAFE OPEN UP LIKE AN OYSTER.

owed to her rescuer, and that was all. Well, let her go, reasoned Valentine. Never again would he commit the folly of placing faith in a straight girl! he could."

"Wait!" he cried. "My hands are pretty tough. I couldn't feel the tick of grandfather's clock the way they man. are now, but I can beat that. I can sandpaper them down till I can feel dare face it."

the pulse in a dead man's wrist. Where's the"-"We got him," whispered Bill Avery exultantly to Red. "We got him, an'

he'll stick." Hardly had Jimmy Valentine made his declaration to again join interests with Red Flanagan and Bill Avery than a hellboy entered the parlor, paging the name of "Mr. Valentine." Jimmy stepped forward hastily, seized an envelope bearing his name which the boy carried and excitedly tore it

He found a brief note written open. in feminine penmanship. He read these words, and the color surged to his cheeks

"Please don't leave till I return. inclose you a note Mrs. Webster asked friend would remain loyal to him if he its own could take him with him and that he me to give you. We saw her at the would become a man of honor and in depot, where we went to reserve sleepers for tonight

"What is it?" asked Avery, drawing couragement. He felt it his duty to class restaurant)-"That's a good idea,

very sorry, sir," he said in inlifferent tones, "but I don't know the man you are inquiring for. Never neard of him. Guess you had better inquire of the clerk at the hotel of-Red, catching the hint, replied,

them

"Thank you, sir; I will do so," and went out of the room, concealing a grinning face behind his hat. (To be Continued.)

THE PHILOSOPHICAL BEGGAR.

voice of Rose Lane addressing some

"Here she is, Red," whispered Val-

entine, rising quickly. "You must get

out till they go." But too late. At

that instant Rose Lane entered, for-

lowed by her father. They saw Val-

entine standing by a suspicious look-

Valentine, realizing that he was on

the verge of absolute ruin in the esti-

mation of the girl and her already

suspicious father, for he could hardly

explain Red's presence, turned coldly

ing young man with very red hair.

one he believed must be her father.

He Relies Not on Sympathy Alone But elevators. The wages at \$2.50 a day Also on Men's Vanity. are satisfactory to him.""

toward the thief.

ice.'

"In begging," said the philosophi-Intense disgust spread over Bill Av cal beggar, "much, very much, depends on the manner of approach. "Two-fifty a day," he sneered. "The old, old way of saying.

man can't live on that." walked the streets last night and I've Valentine laughed. got to walk 'em tonight and I haven' "It costs 31 cents a day to keep man in Sing Sing," he reminded the had anything to eat for seventeen days,' the simple and commonly

clumsy appeal to sympathy, is still "I don't want a job." snarled Av the way most often followed because "Only the suckers work for a it is the easiest; but not all men are

living." sympathetic and then the person ap-"Yes, you do want one," returned pealed to in this way is always ready Valentine, "and this is just your kind. to detect a flaw in the story, the pur-Avery. And let me tell you something pose of which is thus defeated by its that you think I don't know. You're overdoing.

tired of being a crook-tired to death. "Exaggeration is the fatal defect in I knew that when we were inside. But nost begging stories, a defect that you are afraid of what a lot of old pals not only defeats the beggar but gives

Valentine had surrendered will say. Well, let them say. What the person to whom appeal is made indeed. His two one-time accomplices they got? Did you ever see a crook two distinct satisfactions. In the first had cunningly played on his weakness with anything? What do they amount place it gives that person a chance to? They haven't the standing of house dog. You're tired of it, Bill, and to take credit to himself for detecting ashamed of the years you've lost, and a fraud, and then knowing that he has the further satisfaction of keep I know it. Now here's your chance, ing his money, he doesn't have to giv cour day of salvation. There's the letup.

ter and here's the coin to get there." "So these crude appeals, careless-He handed Avery some bills. "It's way out west where no one knows you, by and bunglingly made, and addressed to the sense of sympathy only, aland you've got a chance. Just think, most always fail. My appeal is more back to a mother and then ahead to"carefully considered, and besides, as The hardened look began to fade far as it is possible, it is adjusted to rom the thief's face.

the particular person addressed; and "Give it to me." He clutched the often it is addressed primarily not to noney in his hand. "I'll try, by God, sympathy but to vanity. I'll try." Tears trickled down Avery's "The application of a title to a man

orison paled cheeks. s a great help if you know the title "That's the talk-that's the heart to give him and just how to apply it spoke Valentine sympathetically. Many a man likes to be addressed as "And if I fail I'll end it," said Av udge, a great many men are mightily

pleased with being addressed as doc 'You won't fail. It's only the suck or and there are men who like to be ers that fail. Make the next trainaddressed by military titles. I might beat Doyle. Get away." ay that some such men 1 address as Avery turned toward one of the

olonel, but more as major, and there trances. sound reason in this. Plenty of "Goodby, Jimmy. Goodby, Red," nen would not aspire to or would not cried, and he was gone.

expect to attain to the rank of colond they would shy if so address-"I tell you, Red," said Valentin ed. though they might consider them looking after him, "there isn't a crook elves fully equal to and fitted for the you know who wouldn't go straight i

rank of major. "In military titles I never go be "God!" exclaimed Red feelingly, low that rank. I never call anybody captain, there is no man who doesn' 'but you know what's inside of a himself fit for a higher rank than that, and I very seldom address

man as boss, though that may some "I know what's inside of me, and times do, and do well. "So now with this appeal to hu-Jimmy Valentine crossed to a wit

man vanity to be used, if it may be dow and peered out into the street. as an aid and an opening wedge, mpose my story. No one in sight that he knew, yet he I know on sight what person I can strike with some had lost all doubt that Rose Lane hope of success, and I don't waste would return. Her message had calmon others; and then I must de-

cide on sight as to the form of the ed his fears, and, more than that, it appeal and as to whether it should had come in time to save him from made to sympathy only or to both thrusting aside the one chance in the ympathy and vanity.

world to redeem his lost years. Here now is for keen discernment, quick action in Another thought rose strong within decision as to the precise nature and him as he returned to the sofa, seated the extent of the call and sound judghimself and saw Red standing discon ment as to the opening approach Such begging is indeed an intellectual solately near the table. Something oursuit, calling into operation all the aculties of the mind, with an added ursuit. had to be done for Red-that was certain. Red Flanagan was young-baretincture of the heart; and just as urely as does success come to every ly twenty-five-and he had many charwhatever pursuit acteristics that were not at all bad follows nan who with intelligence and with complete

Valentine was convinced that his devotion, so does such begging bring rewards to the beggar.

tegrity if he received the proper en-AT The customer (at a very second Rose Lane."

neighbors, and, finally, solve what the right angles to the axis of the earth This circle in the sky is the equator. wise men call the "rural problem." Organization is the weapon of the But the sun does not move in the equator but in the ecliptic, and with many put into the hands of a few remonsible, able and devoted men. That is why I am preaching its value.

to more friendly relations with his

tween successive transits of the sun stage between Antigo and Shawano, But organization can be most effecacross the meridian, and which we call Wis., was stopped as it passed through tive if you insist that your leaders be apparent solar days. As a matter of chosen for fitness and for ability to fact, a solar day at one time of the er with his revolver while he cut open suffer and sacrifice rather than for year may be as much as 50 seconds follying and hand-shaking ability. longer than at another time of the uable packages. This time he was rec-So it will be an excellent plan for ou to spend much of your time this ognized.

It is manifestly impossible to man year in looking for men who answer ufacture a clock which would keep track daily and triweekly trips between the this qualification, then giving them a with the actual time kept by the sun, lumber camps and the town was stopsquare deal. If they fail, and you still believe them honest and capable, give and it became necessary to invent a ped in a piece of thick woodland, its them another trial. It doesn't matter uniform sun time that a clock could follow. Consequently, the average, or if they turn out dishonest or graftthe mean of the lengths of all the apers. Drop that special kind, and go at parent solar days for the year, was it again with another set.

taken, and this was called the "mean The American farmer is the hardest solar day." An imaginary sun called fellow in Christendom to organize bethe "mean sun" is supposed to move in cause of his independence. He carps the sky which keeps this sort of time about his "rights." Even when sur-The real sun does not give directly the endering a few of them for a while to time of noon as kept by our clocks. oetter his condition he is often stub-Clock noon at any observatory difoorn as a Missouri mule.

fers from "apparent noon," when the Organization has gone forward fasactual sun is on the meridian, by an ter in European countries, because the amount known as the "equation of farmers there realized to begin with time," which may be as great as 16 brakeman was standing, whipped out a that they had less a chance, in politics minutes. A "clock which regulates and business, and that they must comhe sun" would always be wrong. Acbine for their own good.

curate, mean solar time may be deter-The American farmer, until lately mined by the astronomer from obserhas thought himself absolutely selfvations on the sun, but, strange as it sufficient; he has stood upon the theory may seem, a great observatory like of every "American being a king," overthe United States naval observatory of stop and search those who refused to ooking the way in which big and little Washington determines its precise sobusiness and city men organized to enlar time by observations on stars.-New force their "kingship."

And continued to let wealth drift York Yorld. from the farm to the city, when the drift should, in the nature of things be in the other direction.

I have been frank about these things because we must face them in order to perfect our organization, and to bring into it every farmer in the country with the intelligence to know that

United States Naval ObservatoryBases

Its Calculations on Stars Instead of Trusting Old Sol.

rence Hodges in a paper before an If a large number of persons were English scientific body gave some asked the question "What is meant unique facts about air tides which are when in daytime a clock says 12 not generally known. o'clock?" about 99 out of every 100

The moon, we know, causes the mawould answer that at that hour the rine tides by its attraction. It draws sun is on the meridian and it is noon. the water on the surface of the earth But the sun is not on the meridian toward it in a hump on the side that is sleeping conductor and took his watch, each day when the clock is at 12. exposed to the lunar influence, and took \$100 in cash and several watches Nearly every one has a friend draws the earth itself away from the from those in the berths, pulled the owns a valuable watch that keeps ex-

water on the opposite, leaving a corellent time, and many a time this responding hump of water. friend, on being asked the exact time The air, it seems, is affected in the has looked at his watch with a great same way. The layer of atmosphere deal of pride and has told the hour. at the same time remarking: "This

more freely than water, because it is watch regulates the sun." If the watch lighter, so the tide comes more quickly keeps as poor time as does the sun it in the air at a given spot than the should be sent to a watchmaker, for narine tide. the sun is a wretchedly bad timekeep-

This rise and fall, however, means er. It sometimes is as much as a quarjust as much to the navigator of the begging that calls ter of an hour fast, and at another seaair as the tide in the sea does to the son it may be an equal amount slow In fact, it may be said that a clock sailor, and has to be accounted for. The most remarkable current, how- against him. of extreme precision, such as the asronomers use, is never exactly at 12 ever, is one constant stream in the atmosphere running from west to east clever woodsman, Holzhey would comwhen the sun is on the meridian. completely around the earth in the "But," it will be asked, "if the sun

upper atmosphere. does not give us our time, what, then, This was first brought to public at does? As every one knows, the rotation ention when the volcano Krakatao of the earth on its axis is our measure blew a cubic mile of matter into the of time, each complete revolution mak-

ing a day. As the earth rotates it car- upper atmosphere in the '80. The heavenly bodies, in succession they times in this circumglobing current ed that they were to travel by stage him what shares he thought of buying in it, old chap. We shouldn't bag anyare said to "transit." The interval of before they finally disappeared.-Chi- next day to Lake Gogebic. He arose he was surprised at the bandit's ting but our trousers, y' know."-

"I am half undisturbed, which told us tories of Wisconsin and Michigan, the ing the chain: stone." He was offered a clgar, but dians were in the vicinity. terror of two states.

"We marched down and into them. declined it, saying he had never smok-First, there were a series of house robberies. A score of houses in the ed nor used tobacco. He was not dis-A few shots were fired. The herd posed to converse, even in his mother opened as we passed through and closmotion in this latter circle which is not towns of the lumber district were entongue. The traveler tried him with ed up behind us, while those to the uniform. Hence a double cause exists tered and rifled by some man who music, humming in a low voice the windward ran away. That night we which alters the intervals of time be- left no evidence. Late in April the song from Schiller's "Robbers." The camped behind a sheltered bend and melody, sung by many voices, has a bluff of one of the branches of the Limestone. The advance had killed stirring effect. the woods. Holzhey covered the drivseveral fine animals, which were dress-The bandit listened with his hand

ed and loaded into the wagons for our folded across his breast, the firelight the mail sacks and took all the valgleaming on his face and reflected meat rations. All night the buffalo were passing back from his shackles. The waiting with a continual roar. Guards were

west.

company gathered nearer to the burn-Many and many a stage which made ing stump, observing the bandit and doubled and every precaution taken to prevent them from running over the the singer camp. The next morning we turned "Yes," said Holzhey, when the song was finished. "I know it. The melody our course, marching north toward passengers robbed and its mail pouches opened. Northern Wisconsin was is fine. I have heard it in Germany White Rock creek, and about noon passed out of the herd. Looking back in a state of terror. No driver left and America." from the high bluffs we gazed long at He turned his back to the fire as town without a companion heavily

the whistle of the locomotive was that black mass still moving northheard. "What if he should throw him-Finding the robbery of stages to self across the track when the locomo-

hot work Holzhey changed his ground. tive comes along?" was asked of Sher-On May 9, when the Milwaukee and iff Foley. "Let him do so if he wishes," Northern train stopped at Pike, "Black said the sheriff. Helped into the car Bart" with a bristling mustache and to a seat near a window. Holzhey climbed aboard. He gave his ticket relapsed into silence. to the conductor and watched him en-In the pen he was sullen, but not re ter the baggage car. Then he went to bellious. He was given the same privthe end of the last coach, where the ileges as the other prisoners. In the revolver and told the brakie to walk in front of him, stopping at each seat

armed.

000.000. I don't know. In the cowboy following March he stole a table knife, days in western Kansas we saw 7.000 whetted it in his cell until he had made head of cattle in one roundup. a dangerous weapon with a stiletto The brakie obeyed orders. At every point, and waited his chance seat Holzhey stopped and took tollments our thoughts turned to that buf-One day he refused to leave his cell watches, money, whatever he could get. falo herd. For a comparison imagine when the other convicts were called He complained because he could not

out. Warden O. C. Tompkins sent a a large pail of water; take from it or add to it a drop and there you have it. man to bring him out. When the guard give as much as he thought they Seven thousand head of cattle was not entered his cell Holzhey seized him ought. Then, as the train slowed down from behind and held the knife at his a drop in the bucket as compared with at Ellis Junction, he swung off and that herd of buffalo. throat. disappeared in the woods. "Seeing them a person would have Warden Tompkins, wondering why Large rewards were offered for Holsaid there would be plenty of buffalo a zhey's capture by the government and the guard did not bring Holzhey, went hundred years to come, or even longer.

to investigate. He found the unhappy the railroad. Scores of detectives were man fearful of making the slightest allured by the big total and came to novement while Holzhey menaced him the north woods. Holzhey found the with hai stiletto. The warden went country untenable. So he disappeared. He was next heard of at Rhinelander for a gun.

"Let go that man, or I'll shoot," was 100 miles away. He had walked the his warning to "Black Bart" on his reentire distance through the woods. In that district lies the town of turn.

crows, taking only the hides which "Shoot away if you want," Holzhey Sherwood. A Hebrew merchant was were hauled away in wagons to the replied. But he wheeled the helpless counting his cash there one noon while Union Pacific railroad and shipped guard between himself and the muzzle his clerks were at lunch. In walked east in train loads."-Topeka, Kan., Holzhey. Approaching the merchant of the warden's gun. Capital. ly since men have flown and fallen, we he stuck a revolver in his face and For two hours Holzhey held his cap

tive. Then Tompkins, taking a deshave heard a great deal in a vague told him to fork over. The menperate chance, fired. The ball went chant gave him several hundred do !through Holzhey's knife hand, shatter lars. Holzhey stepped into the alley ing four fingers so that they had to be behind the store. The victim gave the amputated. The exhausted guard was alarm, but the robber had disappeared. dragged from the cell. The depredations continued. On Au-

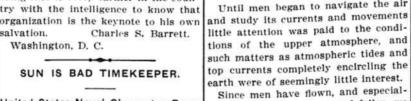
they were accepted as cash and passed As the months went by and Holzhey from hand to hand in the same way gust 7 Holzhey stopped a train on the remained sullen and intractable, they as bank notes are at the present day. Wisconsin Central railway, boarded the legan to think that something was The negotiability of these skins arose Milwaukee coach, stepped up to the thus: The Emperor Ou Ti, being in vrong with him physically. An examnation showed that he was insane want of money, gave his treasurer to They sent him to the asylum for the understand that such a state of afbellrope as the train neared Cadott criminal insane at Ionia, where he refairs must not continue. At that time mained a year. There he was operatit was customary for princes and and jumped off. ed on, and a bone that had been presscourtiers on entering the royal pres-The rewards for Holzhey's capture

ence to cover their faces with a piece dead or alive, now aggregated more ing on his brain was lifted about the earth rises, falls and flows \$2,500. Every man in the woods kept of skin. Taking advantage of this "Black Bart" went back to Marquett prison a changed man. His fierce custom, the treasurer ordered a desharp lookout for the bandit, yet mood had vanished. He was cheerful cree to be issued forbidding the use when he appeared they feared to touch and obedient. He became the mos of any other skins for this purpose him. He was known in all the lumexcept those of a certain white deer ber camps, and the lumbermen were trusted man in the prison. Holzhey was put in charge of in the royal parks. Immediately eager to catch him; yet he was able prison library. He became interested there was a demand for pieces of to enter nearly every camp in the n books of travel and works on philthese skins, which, being a monopoly, woods, demand food, get it and go osophy, and finally he began the study were sold at a high price, and the royaway without a hand being raised of French, which he can now read and al coffers refilled. The steady value write. He is familiar with the history A man of tremendous energy

of the skins thus secured made them readily pass and be accepted as an and politics of every civilized nation. equivalent of coin of the realm. In mit a robbery and disappear, only To illustrate the breadth of Holzhey's reading and his understanding the Russian seal fisheries of Alaska turn up next day twenty miles from the workmen were formerly paid in the scene. No man went on a journe of current affairs, he wanted to invest the currency stamped on squares walrus hide.-Tid Bits. in copper stocks about a year ago. He without a gun, for fear of meeting

had \$600 saved in the years he had the bandit. been in prison. Warden James Russel The night of August 25 Holzhey AT Chappie-"I say, old cock, let's go spent at the Gogebic hotel, Gogebic. assented to his buying stocks, as it was as the meridian crosses through the complete circuit of the earth seven There he saw three bankers and learn- his money. When the warden asked shooting, eh, what?" Cholly-Nothing

knowledge of the copper situation,



Tides In the Atmosphere Similar Those on the Sea.

Until men began to navigate the air and study its currents and movements little attention was paid to the conditions of the upper atmosphere, and

STUDY OF AIR CURRENTS.

way of air currents. Recently Law-

Charles S. Barrett.

SUN IS BAD TIMEKEEPER.

salvation. Washington, D. C.

