Scientific American.

Spiritual Philosophy.

At a public meeting recently held in this city, it was stated that there were over three hundred thousand persons in our country who were influenced with the belief of holding communion with departed spirits, and of being influenced in their actions by them.-A second volume on the subject of spiritualism by Judge Edmonds, of this city, in conjunction with Dr. G. T. Dexter (it is published by Partridge & Brittan, 300 Eroadway,) affords us a clue to form a philosophical idea of this new belief,

This spiritualism consists principally in believing that a power is given to disembodied spirits to use the minds and bodies of certain persons called *mediums*, for the purpose of holding conversations with them and others, who may form what are called "Spiritual Circles." These are certain persons of both sexes entertaining the same belief, who meet from time to time, and some one being in the proper state is made the vehicle of communing with the spirit world, and revealing to the rest of the circle a message or messages. The medium also sees into the spirit land, and beholds the doings of departed ghosts. Table-tippings, and the like of these things, we look upon as spiritnonsense, but it is very evident that Judge Edmonds is a sincere man, and believes firmly in all that he has written. Sincerity, however, is no evidence of a thing being right, and a belief in what is foolish or erroneous is not entitled to respect simply because the believer is sincere. Judge Edmonds believes he has become something like the prophets and Apostles of old in receiving communications from spirits, and imparting such messages to his fellow men. He also believes that this spiritualism is in. tended to conserve and re-establish the spirituality and religion of the race-in short, that it is an improvement and addition to the revealed religion of the Bible. We believe we have here stated the matter fairly and clearly. Let us briefly test the question philosophically.

The spiritualists teach that man is a progressive being, and that spirits are continually progressing towards perfection. Granting this to be true (which is not a new belief.) we should find an evidence of this in the revealations received from those spirits, and if such evidence cannot be obtained, it must be concluded that spiritualism, when tested by its own touchstone, is found wanting. Well, there was old Sir Francis Bacon, whose Novum Organum was given to the world in 1620, and who died in 1626-229 years ago. It is acknowledged that he was one of the greatest men that ever lived, both as it respects genius and learning. He it any progress in old Bacon, his messages betray a very common-place mind, a great want of knowledge, and sad retrogression ; in short, not a Baconian mind at all, but one very like that of the medium through which he communicates. His language is very indifferent, and his ideas no less so. The first message in this book is from Bacon, and instead of discoursing in his old deep, clear, and philosophic way, we find him taken up with the domestic concerns of Judge Edmonds, accompanied with the following little bit of flattery : "I look at you and feel for

as spirits must be wiser than us, they cannot be so foolish as to build useless houses; we therefore conclude that Judge Edmonds spiritual communications, and those of all other mediums, are only certain kinds of dreams. These mediums have worked themselves into the belief that their imaginings are realities.

In a communication from five spirits, Bacon, Swedenborg, &c., we find the following language :--- "Of all the things that God has scientific blunder. Our system contains less matter than other systems, some of which embrace two, and more suns. This has been established by astronomers beyond the shadow of a scientific contradiction. We cannot but conclude, in view of these things, that mediums (spiritualists) are not exactly comnus mentus, and that they mistake their own mental workings for communications from the spirit world. This we conceive to be the philosophy of this spiritual belief.

Workings of the New Steamboat Law.

When this law was enacted in 1852, we asserted that as it conferred great power on the Inspectors, and unless good and true men were appointed to such offices, it would be a dead letter on the statute books; while on the other hand, if good men were appointed, it would be the means of effecting a total revolution in steamboat navigation, as it related to safety, and the prevention of what used to be termed accidents-explosions and wholesale murders. It gives us great pleasure to inform our readers that the law has operated well since it went into force, thus showing that good and faithful men have been appointed to execute its provisions. The Inspectors are very strict respecting the character of engineers and pilots. They revoke licenses, and suspend them promptly upon positive proof of bad conduct or negligence. On the 21st of September, 1853, the local Inspectors at Cincinnati, O.,-Thomas J. Haldeman, and W. W. Guthrie-revoked the pilot license of T.S. Hamilton, for intemperance. On the 30th of November, 1854, he again applied for a license, and was refused, when he took an appeal from their decision to the Supervising Inspector, Benj. Crawford, who has confirmed the decision of the local Inspectors. His decision closes with the following noble and just sentiments :---

" The evidence is conclusive as to Hamilto leak. JOHN GILL. seems has communicated several times with ton's intemperance at the time alluded to, meetings were held in various places, and Patriot, Ind., Feb., 1855. Judge Edmonds' circle, and his messages viz., September, 1853; and that there has petitions presented to Congress to have it are given in this book. Instead of finding suspended, but Congress was firm, and the been no reformation by him since that time The Use of Smalls. law went into effect on January, 1853. The is freely acknowledged both by words and MESSRS. EDITORS-You ask on page 178, conduct. The only point he seems to con-Pittsburg Morning Post has obtained tables Vol. 10, who uses snails, and what do they do from the Steamboat Inspectors of the ports tend for, is, that he does not drink spirituous with them? In the Provinces of France of Cincinnati, Wheeling, and Pittsburg, for where the vine is cultivated, snails of large liquors while on duty as pilot; but it is two years from January 1, 1853, to January | size abound. They are gathered by the peasclearly proven by the above testimony, that 1, 1855. These three ports form three local ants, put in small pens for a few days, salt such is not always the case ; and that he has districts, but are embraced in one supervis | water thrown on them, to cause them to disat times departed even from his own standing district. In the Pittsburg district no charge whatever their stomachs may contain ard of right, which every man addicted to intemperate habits is liable to do. I am accident has occurred to any passenger -then beiled, taken out of the shell, and steamboat by which life has been lost, or eaten with a sauce; they are considered a clearly of the opinion, however, that habitivjury sustained. In the Wheeling district luxury by the vine dressers. ual intemperance, even when off duty, or one steamboat was lost by collision. by which Cataract on the eye is cured by applying a while waiting in port for a berth or some one of the crew lost his life. No other acci- drop of clear water taken from the live chance steamer, unfits a man to perform you as a man, proud of you in the position properly, with due regard to the safety of dent occurred, and no other passenger was snail, by piercing what might be termed the you occupy, and striving to assist you in the life, the duties required of him as pilot or injured. In the Cincinnati district no pas- tail of the snail shell with a pin. This appliefforts to accomplish what is before you.' engineer of such steam vessels. Therefore senger has been injured, nor any lives lost cation has the effect of eating off the subby the unskillfulness or misconduct of any stance that grows over the sight of the eye; It is, no doubt, very condescending in Ea- I could not, by giving a license, endorse any con's spirit to interest himself so much in such persons to the public, as being 'skillful. pilot or engineer licensed by that Board of a relative of mine was thus cured; the sight Inspectors. The steamboat Forrester was the affairs of a New York Judge, but it is trustworthy, and faithful' officers, such men was totally eclipsed of one eye; by applying very evident that he has forgotten how to as it was contemplated by the framers of the burned while lying at New Richmond, Nov. this water two or three times a day, for some write the English language correctly, the law, should fill these responsible places." 13th, 1854, by which three of the crew lost time, say two or three months, the sight was This pilot was skillful and of long expelast sentence especially. their lives, but the fire was accidental, and restored, and remained good. This was pre-Judge Edmonds describes the views which rience, and only for intemperance, was a occurred in the middle of the night when all scribed by a physician as a last resort. M. he was permitted, as a medium to have of were asleep. In all this supervising district most capable officer. 572 Third Avenue, N. Y., Feb. 19, 1855. the spirit land. He there saw houses, trees, The same local Inspectors suspended the not a single passenger's life has been lost in A fine new steamship named the City of license of Robert Davis, pilot, on the 3rd two years. This is certainly a most wonderflowers, hills, dales, streams, crops of wheat. fruit, and groups of spirits, asking one anult., for thirty days, because he left the ful and pleasing revolution respecting the Baltimore, was lately launched in Glasgow, other "is the Judge's letter out." That was steamboat Forest Rose, suddenly, at Wheel-Isafety of life on our western waters. Our Scotland, for the Liverpool and Philadelphia a letter he had published in one of our daily ing, Va., at night, on the 23rd Jan, without heart is filled with pleasurable emotions in Steamship Co. It is 2200 tuns burden, and papers two years ago. Now, was this the notice, and refused to pilot her down to contemplating the good effects of the New is to be the consort of the City of Manchesspirit land he saw? If so, what are the Cincinnati. Capt. James Timms employed Steamboat Law, and we feel that we are ter.

houses and crops of wheat for? We only Davis to steer the steamer Forest Rose at already amply paid for pointing out its need houses, to shelter, and food to sustain \$300 per month. Nothing was said as to necessity, and asking its enactment. To all our bodies, but none for our spirits; they when his services should end, only that if our Steamboat Inspectors we have a few are immaterial. We humbly consider that, the boat made but one trip, Davis should be words to say just upon the opening of spring paid for that trip at the rate of \$225 to navigation. Be careful and not relax a sin-Pittsburg and back. At Wheeling, on the ; gle effort ; be rather more strict this year 23rd Jan., just as Capt. Timms was ready to | than you have been before, so that we may leave, and had rung the bell, one of the have as good a report of you for the next as clerks informed the Captain that Davis had we have of you for the past year. Many gone home, as the boat was not going out have said to us, "oh yes, this will do for a that night. Capt. Timms then sent for him, little while, but the inspectors will soon beand he came on board, but refused to pilot come careless, and things will gravitate the boat down. The Captain remonstrated, gradually to their old condition !" Let such remarking it was bad treatment to leave anticipations fall blasted to the ground. without notice, as he did not know where to | You have executed the law with honor to created, this world and its connections are ind another pilot at that time of night; that yourselves for two years,-you can do so for the most material." Neither Bacon nor Swe- ! the ice was forming fast, and he was extreme- lifty. denborg would ever have committed such a | ly anxious to go. Davis still refused, and | the Captain was detained two hours in finding other pilots.

> The following is the decision of Inspectors Haldeman and Guthrie :

Rose, not having the proper licenses so to in on Sunday and taken out the next Sun-Davis, for misconduct.

left the boat under all the circumstances as related by the Captain and the clerk, but whenever he pleased, and that Wheeling was a port of entry, where pilots could be got.

As a general thing, we have no disposition to interfere with the private quarrels of officers and masters, but where a licensed pilot so conducts himself, as Robert Davis didquitting the boat at Wheeling, without notice, at a time of night that rendered it doubtful if others could be procured, and at such a time when the ice was forming, so as to render it doubtful, with such detention, if the boat could not get away. Besides, having passengers aboard, causing them serious detention. It is then a clear case of misconduct, arising from "inattention to the duties of his station," and as such amenable. We therefore suspend the license of Robt. Davis, who was licensed at Wheeling, Va., for thirty days from this date."

THE BLESSINGS OF THE NEW LAW-We all remember how that the Ohio and Mississippi rivers used to run red every weck with the blood of slaughtered victims. Now all this is changed, and since the new law has gone into force, our western steamboats have become as safe as those on the North River. The new law of 1852 was very unpopular among western steamboat owners, some engineers and pilots, when it was enacted, and

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Incrustations and the Fred Water of Boilers.

Your correspondent, O. M., says, in the Sci. Am. of the 27th ult., that he has tried green white oak wood, and found it useful in detaching scales and incrustations from his "This case was brought to our notice by boilers. I have had some experience in this the pilot first bringing a charge against thing, having used red oak wood in lengths Capt. Timms for employing, and James of six feet and split to the size of largefence Withers for serving, as a pilot on the Forest rails, the rough bark taken off; it was put act; and in return, Capt. Timms prefers the day (very much decayed,) and found to take charge annexed against the pilot, Robert off scales admirably. But after using it a few weeks we found our boilers leaking bad-The charge is not denied by Davis that he ly, and I think it injured the iron and rivets -we discontinued it, but had to get new boilers in a few months, although they had contends that he had a perfect right to quit not been in use over eighteen months. I have no doubt but tanic acid is the active principle in disengaging the scale, and I think it acts on the iron also.

O. M.'s small cubes no doubt boiled into shreds, and were discharged with the water in the boilers, and it is rather singular they did not choke up some of his connection or supply pipes.

The best thing to remove scales is to put a good man in each boiler with proper scrapers and a free will to use them, and the best thing I have seen tried to prevent lime from settling in boilers is to boil your supply water with escape steam, and then runit off into a large tub, and let it cool down to 160° to 180° Fah., and supply your boilers out of that tub, putting the supply pipe in eighteen inches above the bottom of the tub, and clean out the tub every two weeks; the bottom of the tub will be found to have a foot or more of loose floculent lime in it in a floating state.

Potatoes are worse than useless, as they sometimes settle over the fire and prevent the water from getting to the iron, and thus cause it to burn.

Oil is used by some, but is still worse, as it penetrates the joints and is followed by the water and steam, and causes the boilers