Some Ideas About the Sun.

closed concerning it we shall offer a few nitude; for it baffles all ordinary concep-We may be assisted by the following fact: The mean distance of the moon from the earth is 237,600 miles, at which distance is its orbit all round. Now, so vast is the size of the sun that it is twice as great as the moon's orbit. In other words, if we conceive the earth placed in 187,000 miles from its surface.

from the remotest and faintest stars in our clouds in the realms of space, which would look little bigger than a pea-a logue of upward of 5,000 discoverable by thing barely noticeable. Although the sun is twelve hundred

gone no appreciable derangement

think of this prolific magnificence with not altogether departed. out lifting up his heart in awe and admiration of the Almighty creator and sus- the wondrous story of inanimate creation, need drying. Another one told me the

suming that the sun is substantially a at our ease on the subject .- " W. C.," in on more boxes than the tall small one, dark body, surrounded with a shining Hearth and Home. surface, a region of light-and-heat giving vapor radiating earthward and sunward, called the photosphere, it was thought by Dr. Wilson, of Glasgow, in 1769, that the common-a size more than sufficient to and spirit to every member of the party connection with the hive. If the long swallow up a body several times the size | throughout the country. of the habitable globe.

That the sun has not a perfectly smooth surface is now thoroughly known by ob. with which the colored people of the each other to a greater depth, making it servations made during solar eclipses. When the body of the moon covers the disc of the luminary it is seen that there projecting like mountain masses beyond the edges of the photosphere. It is only when the dazzling light of the photo.

The evidence that the charges of the Democratic party against them were true. After all these years of warfare, a war ware put across, it would divide the comb waged on the side of Republicans to dissorband facilities to do them justice. This Institution, when the dazzling light of the photosphere. It is only waged on the side of Republicans to dissorband facilities to do them justice. This Institution, when the dazzling light of the photosphere are true. are huge protuberances of a red color sphere is hid that these become visible. enthrall, entranchise and raise them up to in the lower part. The space above On such occasions a photograph is taken the full stature of manhood, and on the would be filled with honey and the boxes by a suitable apparatus, and a picture is side of the Democracy to defeat these on the top would be about the same as if Institute for circular. secured of the projections, along with the objects, the colored man would be an they were on a tier or two of boxes below luminous corona or glory surrounding imbecile as well as an ingrate should he them .- M. Quinby. the darkened body. Besides what seem be anything but the straightest partisan to be comparatively permanent project or vote anything except the purest Repubtions from the sun's disc, there are ob. lican ticket. That they cannot be drawn served to be streams of flame shooting away from the ranks, as has been so often wildly out to a height of thousands of attempted, only proves that the confidence in circulation prejudicial to Gen. Howmiles. These flames, which are red in ap. of the party in the intelligence of the race ard, late of the Freedman's Bureau. He pearance, are believed to consist of incan. was not misplaced. descent gases, bursting from the body of We see, by the way, and the fact is not the war, he had been eminent in the good from a volcano. The height reached by the flames is reckoned to be at times at least 72,000 miles above the photosphere.

Flames so lofty and so magnificent in displacements of the support of the church. To blacken his name, therefore, was to stigmatize several good the church of the church. To blacken his name, therefore, was to stigmatize several good things, and the dirty work has been zeal-only and friend of Mr. Support who are the support of the church. To blacken his name, therefore, was to stigmatize several good to be at times at least 72,000 miles above the photosphere.

Flames so lofty and so magnificent in displacements and friend of Mr. Support who are the support of the church. To blacken his name, therefore, was to stigmatize several good the church of the church. To blacken his name, therefore, was to stigmatize several good the church of the church. To blacken his name, therefore, was to stigmatize several good the church of the church. To blacken his name, therefore, was to stigmatize several good the church of the church. To blacken his name, therefore, was to stigmatize several good the church of the mensions fill one with astonishment. We and friend of Mr. Summer, who an when Gen. Howard was leading an army tion that develops the full virtue of Tar. call them flames for want of any other term to express their appearance. Properly speaking, they are demonstrations of a hot gas in which there is no actual a hot gas in which there is

who, through the light and to it may be imputed the light and heat which are rained to the earth and other planets. The composition of the photosphere and other earth and other envelopes of the sun has been the other envelopes of the sun has been the other envelopes of the sun has been the other envelopes of that wonderful instrument of means of the earth and potential and the expension of the sun has been the other envelopes of the sun has been the other envelopes of the sun has been the subject of prolonged investigation by the courter was unanimous upon the state of the courter was unanimous upon the state of the words in its favor fell from the lips of those who had sometimes differences of judgment in the protocope. And the serious of differences of judgment in the protocope of the sun, and a locit may be imputed the best Femals By DEAD HOLLOW, Sun and the serious of the sun has been the other envelopes of the sun has been the other envelopes of the sun has been the other envelopes of the sun has been the subject of prolonged investigation by the courter was unanimous upon the state of the courter was unanimous upon the state of the test of the sun has been the other envelopes of the sun has been the subject of prolonged investigation by the courter with the void in all case of DYSENTERY and the word in all case of DYSENTERY and the word in the feat of the sun has been the other envelopes o It has been ascertained that the photo- eulogist was not there. The words in its serious differences of judgment in the tion of one of the best Female Physicians and Nurses Strange as it may seem, this instrument, when turned toward a luminous body like the sun, no matter how distant, can tell with certainty that such and such substances enter into its composition, and also whether they are in a gaseous state, or solid, or liquid. By this means the presence in the sun of the vapors of sodium, magnesium, barium and iron has been ascertained. Hydrogen is also a prominent ingredient in the sun's atmost

called the chromosphere, rising here and there into those protuberances we spoke

EVERYBODY knows in a general way of, and occasionally bursting out in jets what the sun is like, how it seems to rise of flame tens of thousands of miles high. dissolved in three quarts of water, applied once a week through the aid of a you, so that her interests and opinions light and heat; but as perhaps not many have heard of the new facts lately disparticles of these vapors, which form, as pests in the way of vermin. familiar explanations on the subject. In it were, small centers of radiation. To To RENDER LEATHER WATERPROOF .the first place, let us pave the way by mentioning that the size or volume of the radiation, the surface of the photosphere the following compound to render boots wife will not be such a dreadful tiresome sun is 1,200,000 times greater than our carth. It is scarcely possible to form a correct notice of the collection of the correct notion of this extraordinary mag- down and warmer matter being heaved 100 parts, rosin 25 parts, linseed oil 15 Health. up. It is believed that these upheavals parts, isinglass 15 parts, gutta percha 125 cause the faculæ, and that the spots are parts and glue 25 parts. produced by a down-rush of comparative-

ly cold matter from the chromosphere into hollows of the photosphere. There is a far grander problem to be olved. How are we to account scientifically for the origin, the formation of the the center of the sun, with the moon re- sun, and its planetary attendants? What volving round it, that orbit would still be explanation may be given on these points at a depth within the sun of more than would apply to all the suns in the uni-animal verse. Theologically, the world was theman The distance of the sun from the earth | made out of nothing, which is quite true; is calculated to be 91,000,000 of miles, and | the word nothing, by an allowable interacross this space light travels in eight and | pretation, signifying nothing solid or a half minutes, or at the rate of 186,000 tangible. The elements of creation are miles in a second of time. At the same understood to have been masses of gaserate of speed, it is calculated that light ous matter scattered like luminous, filmy

stellar system does not reach the earth in | modern science designates as nebula, from less than 3,500 years. The rays of light nebula, the Latin for a cloud. Some which left some of them in the era of writers have fancifully spoken of the Moses and the patriarchs are only now nebulæ as stardust, as being the rudibecoming visible. Although 91,000,000 mentary material from which stars have of miles distant, the sun, by the use been formed. From this nebulous or of powerful telescopes, can be brought to dust-like condition the particles are supan apparent distance of a hundred and posed to be aggregated through a coneighty thousand miles. Nearer the pres- currence of forces, and by a series of proent appliances of science cannot bring it. gressive developments the primordial But who can tell what yet may be done chaos is concentrated into a solid sphere. in the telescopic art? Future astronomers In other words, the whole of material may be able to bring the apparent dis nature-land, water, rocks, metals, vegetance very much less than a hundred and tables, animal substances, and even the eighty thousand miles. Even at that dis | air we breathe-may be said to consist of however, things can be distin- the nebulous gases in different combinaguished by various instruments of mod. tions and degrees of condensation, and ern invention, which will surprise those into the same primary condition they who do not keep in mind the prodigious may be chemically resolved. What was dimensions and luminous character of the the extent of the nebulæ at the beginning object looked at. To us the sun appears of created existence no one can tell. a large brilliant ball, sailing grandly They may have filled the whole universe. across the heavens. To the inhabitants All we know is that they still abundantly of the sun-if there were such-the earth exist. Sir John Herschel made a cata- ax or hatchet; prepare the ground as for and there are many such in Southern

telescope We cannot in this little sketch describe thousand times greater than the earth, its the progressive stages which this last about one inch of rich and mellow soil; weight is not in the same proportion. It named astronomer assigns to the nebular step on it with one foot so as to press the is only three hundred thousand times aggregation, as seen in the heavens. La-heavier than the earth; so that, bulk for Place, in his great work, the "Mecanique" and then draw on more mellow earth to bulk, it is only one-quarter as dense. Celeste,' traces the condensation to the the depth of one or two inches. This can who have paid dearly for experience, it is the bulk, it is only one-quarter as dense. Celeste,' traces the condensation to the bulk it is only one-quarter as dense. Celeste,' traces the condensation to the bulk it is only one-quarter as dense. This want of density, however, is com. force of gravity. According to his view, pensated for by its vast size, so that its a mass of nebulous matter formed the 1st of April until the middle of June. mass is sufficient to attract the various nucleus of the sun, which, being endued Every piece of root will send up from one planets, and keep them whirling round it with a rotating motion, threw off masses at their respective distances. The com. in the shape of rings; then these rings, is rich and mellow the bushes will yield paratively large bulk furnishes the advantage of radiating from a spacious surformed planets at variable distances. face the qualities of light and heat-all Saturn's rings are supposed to furnish an and weeds, or the surface mulched to circumstances as regards ends to be example of what all planets originally keep down all vegetation. Try a short served being of the finest possible adjust. were. The sun therefore stands in the row. The roots of any variety of blackment. The sun and its attendant planets, relation of parent to the planetary bodies | berries, if planted in this manner, will with their sub-planets or moons, consti. which, in obedience to well-known laws, soon form large and productive bushes .tute together a machine of such marvel. circulate about him. Commonly, we N. Y. Heraid. ous perfection and regularity that, after speak of eight planets, of which the earth USEFUL HINTS .- A lady writing to the offers \$500 reward for any case of Catarrh numberless ages, the process of move. is one; but there are not fewer than a Country Gentleman thus recapitulates which he cannot cure, yet there would be ment, according to set laws, has under hundred and thirty-four to which names some of the valuable suggestions she some skeptics and fogies who would continue gone no appreciable derangement have been given, besides an incalculable has had the good sense to learn to shout "Humbug!" "It can Our wonder at this stupendous accuracy is lost in the knowledge that, after all, the sun, with its planetary system, is included an included and inc all, the sun, with its planetary system, is traction, fall as meteors. To all these we ing and asked for a piece of sand-paper a mere unit in creation. Scientifically may add the sub-planets, which are held to rub her irons on. I was astonished this earth is not round or spherical but as flat speaking, the sun is a star. It is just one to have been thrown off from their primathat I had never thought of it before; it as a "slap-jack," and does not turn over, other the many stars in the firmament. ries as these were from the sun. At all is so nice, removes every bit of starch or wise the water would all be spilled out of Every one of the myriads of stars visible events, it is as near certitude as possible anything else, and makes them so smooth. Deacon Bascom's mill pond. But astronomito the eye is a sun rotating in its own that the earth we inhabit is a morsel of One girl taught me that old corsets make cal science has positively demonstrated and assigned portion of space, with, in all probability, planetary bodies wheeling around it. Even that does not complete the sun fashioned from glowing materials into that world which is so well adapted around it. Even that does not complete to vegetable and animal life. In its into the sun fashioned from glowing materials into that world which is so well adapted to vegetable and animal life. In its incomplete to the wonder. Translated to the most dis. ternal heat and volcanoes it still bears take hold of anything with than a made tant of these suns, we should still see suns traces of its condition when it parted holder, and much easier to wash. Just Catarrh. In short, it has been positivel at immeasurable distances; and so on we company with the sun. Clothed in all throw them in with the brown towels, as proven that this world moves, and that mediant might go, traveling through an eternity of its beauty it might be pardonable to de- many as you happen to get soiled during suns and attendant worlds—the journey fine it as only a cooling cinder from the week, and they come out clean and endless, on and on forever. Can any one which the heat of its solar parentage has One thing specially remains to complete knives and they wipe easily and do not

tainer ? Let us, however, come down to We refer to the heat residing in the sun, best way to keep hams and dried beef was particulars about the sun in her own sys. How was it produced? This heat, in to pack in dry salt. We have tried it sevwhich our globe participates, had its eral years with perfect success. An old The common notion is, that it is a pure, origin in force. Particles of matter rush-salt barrel is convenient. Set it in some shining body, always presenting to us the same surface. Investigations do not sustain the belief as to uniformity of appearance. It is ascertained to turn on its which is still conserved for the benefit of any, for chinking; cover with salt; then axis like our own earth, with this differ. the dependent planetary bodies. In what hams and salt again till the barrel is full. ence, that instead of four-and-twenty ever way heat is produced, it is ultimately There is not the least danger from insects, hours its complete rotation requires to the sun that it is due. Every bit of if the hams are smoked and the beef dried about five-and-twenty days. Acquainted | coal was once a vegetable substance grown | and put away early before the flies come with this fact, we are led to understand by the sun's heat, and this store of heat around; and they are much nicer to hansome of the more remarkable phenomena | we disengage by fire to give us warmth | dle than when put in ashes or oats, or of the sun. These consist of certain as well as to move machinery. The heat anything of that kind." dark spots of different dimensions, and from an ordinary fire, therefore, is directvery irregular outlines, which are discovered on its surface. The spots seemingly shift their relative position. The shifting is only apparent, being partly due to the rotation, which exhibits the surface at time expended? Whether the sun's heat mand for box honey has increased over different points of view. The nature of these spots has been a matter of much from finite intelligence. As yet there is commodate us in that respect. The tall speculation, and even now the question no appearance of decay in the sun's be- hive that was best for swarms gave but regarding them is not quite settled. As- neficent energy, and we may be perfectly little. A hive with a large top will take

The Civil Rights Bill.

The all-night session of the Senate at the side of the combs. The depth of dark spots were cavities or openings in this luminous surface through which the body of the sun was visible. Recent in. quiries tend to confirm this opinion. dead issues and the end of absurd preju- be set on the side of the comb, and enough Usually, as is observed, the dark spots dices there is yet work for the Republican can be put on both sides-when the are environed by bright streaks of wild, party to perform. The bitter fight made length of ours-to hold eighty pounds, fantastic appearance, spoken of as facula, by the Democracy in opposition to this besides those on the top. the Latin word for torches. There is, measure recalled their efforts of a similar | Some beckeepers put several tiers of however, great difficulty in coming to any character a few years ago, and when the boxes on smaller hives. But experience distinct idea of the spots, for, independ- Republicans, so lately divided over a shows us that those farthest from the ently of the apparent shifting by rotation, question of finance, came solidly into line body of the hive are worked in very slowhey sometimes assume the most extraor- and once more exhibited their intelligence, ly. There is a great gain in having every dinary changes in a single day, or from magnanimity and fearless disregand of box as near as possible to the main hive. hour to hour. Their size is tremendous, angry protests and weak ridicule by I cannot think of another shape that will A width of 50,000 miles across is not un- voting for the bill, the sight lent new hope admit so much room for boxes in close ening influence, and no liver so hypertrophied

> wont to express surprise at the persistency used, but they would have to be piled on South vote the Republican ticket. There more trouble to take off boxes from the should be no wonder at it. If they should lower ones when only those were full. do otherwise they would furnish indubita- The main combs of the hive would often

phere, if we may so call it. Immediately outside the photosphere, or bright surface, there is a layer of red-hot hydrogen, of snow fell.

A Hartword man remembers that on days, put on a clean coat or dressinggown, and when you take your paper to face, there is a layer of red-hot hydrogen,

USEFUL-AND SUGGESTIVE.

BRASS TIPS ON CATTLE'S HORNS .-Screw them on with any kind of a wrench that will fit the button. If the horn is slender the point which protrudes through the button should be cut off. They are not usually put on until the animal is at least three years of age. We do not remember seeing them on any animal younger than that .- Country Gen-

To MAKE HAIR CURL.-The method employed by professional workers in hair is as follows: Wet the hair to be curled, wrap it smoothly around a cylindrical stick or tube of proper size, tie it in place, then put it in water and boil it two or three hours, remove it from the boiler, wrap it carefully in newspaper and bake it in a moderate oven for an hour. Thus treated, it will stay in curl

It is admitted on all hands that the every respect. It is obvious that milking | W. S. B. Mathews, Chicago, Ill. can be done quicker with both hands than with one. Time is saved to the milker, while the cow is not so liable to become restless. The sooner milk is strained and at Sadawga Pond, in Wittingham, Vt. aired after it is drawn the less is the lia- consisting of 150 acres of land floating on bility of its becoming sour. It is gener- the surface of the water, covered with ally conceded that slow and protracted cranberries, and even sustaining trees milking serves to dry up a cow and to fifteen feet high. When the water is make her hard to milk.

corn or potatoes and plant one piece of Florida. root in the furrow or drill about four or five feet apart, covering each one with be done at the North at any time from the to three canes before autumn. If the soil

hot water on the blades only of steel

and the bees will often fill them as quickly as the smaller number. This encouraged us to try a still larger surface for

hive stood on the end, making it a tall Democratic and independent papers are hive, the same number of boxes might be

General Howard. was a brave and conspicuous soldier of

to lonesome thoughts while sewing or mending, but remember that she too has Two ounces of common carbolic acid been working hard all day, and is still ries, of which too many have read more than they should. You will both be hap-

-Sedatives for Children .- The Popular Science Monthly gives this warning on the important matter of using sedatives for little ones: " One of the great dangers attending the use of the various sedatives employed in the nursery is that they tend to produce the opium habit. These quack medicines owe their soothing and quiet ing effects to the action of opium, and the infant is by them given a morbid ap petite for narcotic stimulants. The offer ing for sale of such nostrums should be prohibited, as tending to the physical and moral deterioration of the race. In India mothers give to their infants sugar pills containing opium, and the result is languid, sensual race of hopeless de bauchees. In the United States the poisonous dose is administered under another name, but the consequence will probably be the same."

A FIVE weeks' Normal School for Pian ists and Organists will begin at Evanston, quicker the milk is withdrawn from the Ill., July 8, offering superior advantages cow's udder the better are the results in Full particulars can be had by addressing

A SINGULAR natural curiosity is found raised or lowered at the dam of the pone How To Raise Blackbernies. - If you | the island rises and falls with it, and fish have access to only a few bushes dig up are caught by boring a hole in the crust the roots with care without mutilating the and fishing down as through the ice in bark, lay them on a block, cut them in the winter. A similar island once expieces about three inches long with an isted in a small lake near Bangor, Me.

DON'T TAMPER WITH A COUGH .- Perhaps in the whole category of diseases to which hu manity is susceptible, the cough is most neglected in its early stage. A simple cough is generally regarded as a temporary affliction— unpleasant and nothing more, but to those diseases-Consumption. A cough will lead to ion-if not checked-so sure as the rivulet leads to the river, yet it is an easy ene my to thwart, if met by the proper remedy.

Allen's Lung Balsam is the great cough remesome fruit the next season, provided the dy of the age, and it has earned its reputation ground is kept free and clean from grass by merit alone. Sold by all good druggists.

> Means What He Says. Though "confirmations strong as proofs of Holy Writ" and as numerous as the sands on the sea shore were produced to prove that the proprietor of Dr. Sage's Catarrh Remedy i earnest, and means what he says when he honestly believes and persists in declaring that behind the times in regard to the curability of cal science is progressive—the opinion of Dr Homespun to the contrary notwithstanding That Dr. Sage's Catarrh Remedy will cur Catarrh thousands who have used it attest.

[From the Catskill Recorder, Nov. 15, 1872.] A GOOD REMEDY. We invite attention to the advertisement of Sage's Catarrh Remedy. Our readers will bear us witness that we never knowingly ommend humbugs of any name or nature, and a large portion of patent medicines may safely be classed as impositions upon public credulity. But having witnessed the beneficial effects of Sage's Remedy upon the mation val uses, we unqualifiedly pronounce it a valuable medicine, entitled to public confidence.

The proprieter could easily obtain in Catskill many certificates of its merits.

Then buy it, and use it, in doubt do not stand,

You will find it in drug stores all over the land

"neither food nor physic," but, on the contrary, a species of poison, the introluction of a potent tonic which is entirely free from it is certainly a subject for congratulation. Dr. Walker's Vinegar BITTERS is a medicine which may be fairly characterized as an unobjectionable specific for many distressing and dangerous

Temperance organizations, heretofore in favor of permitting the sale of alcohofor medical purposes, are of opinion that VINEGAR BITTERS possesses all the efficacy as an invigorant that has ever been even claimed for spirituous stimulants and on this account, as well as because of the singular success which has attended its use in dyspepsia, liver complaint, disorders of the bowels, nervous diseases, general debility and all maladies growing out of intemperance, they warmly recommend it as a restorative and alterative of surpassing excellence.

WILHOFT'S TONIC !- A SAFE, SURE AND SCIENTIFIC CURE !- The unprecedented sale of his world-renowned medicine proves incontestibly that no remedy has superseded the use of this reliable Tonic. No spleen has been found so hard as not to yield to its soft as not to give up its long-retained bilious secretions, and no Chill or Fever has yet refused o fall into line. WHEELOCK, FINLAY & Co., Proprietors, New Orleans. FOR SALE BY ALL DRUGGISTS.

More than a thousand Physicians recom mend the National Surgical Institute of Indianspolis, Indiana, and direct their patients there ble evidence that the charges of the Dem- become heavy and break loose and fall to for treatment, for Physicians in general pracwith \$500,000 capital stock, treats thousands of cases of Paralysis, Diseased and Deformed Joints, Crooked Legs and Feet, Piles, Fistula, Catarrh and Chronic Diseases. Address the

THERE are several kinds of worms which trouble horses; the pin-worms (pointed at both ends) are the most common and most dangerous. Sheridan's Cavalry Condition Pow-There have been for a long time stories ders will in a few days eject the worms, and the horse will begin to thrive.

FACTORIES and machine shops should not be allowed to run a day without Johnson's Anodyne Liniment. In case of a sudden acci-dent, an immediate use of it may save weeks the sun like the torrents of fiery vapor without significance, that Mr. Schurz work of the freedmen, and he was a mem-Victims of Consumption seeking relief and restored health should use Dr. Wishart's Pine Tree Tar Cordial. This is the only prepara-

CURTIS & BROWN, Proprietors, No. 215 Fulton street, New York. Sold by Druggists and Chemists, and Dealers in read do not read to yourself and leave her Medicines, a TWENTY-FIVE CENTS & Box.

ASTHMA can be cured. See Hurst's advertise

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ALLEN'S LUNG BALSAM

Why They Should Be Kept Alwavs Near at Hand.

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2.—Allen's Lung Balsam, as a cough remedy, has no Pain Killer will cure cramps or pains in any part of the system. A single dose usually effects a cure, 4.—Allen's Lung Balsam contains no opium in any

5.—Pain-Killer will cure dyspepsia and indigestion if used according to directions.

4.—Allen Lung Balsam as an expectorant has no Pain-Killer has proved a sovereign remedy for fever and ague, and chill fever; it has cured the most obstinate cases.

8.—Allen's Lung Balsam is an excellent remedy for curing bronchitis, anthma, and all throat diseases. diseases.

9.—Pain-Killer as a liniment is unequaled for frost bites, chilblains burns, bruises, cuts, sprains

etc.

10.—Allen's Lung Balsam will cure that terrible disease, consumption, when all other remedies fail.

11.—Pain-Killer has cured cases of rheumatism and neuralgia after years' standing.

12.—Allen's Lung Balsam is largely indorsed by physicians, druggists, public speakers, ministers, and the press, all of whom recommend its use in cases of cough, cold and consumption, and commend it in the highest terms.

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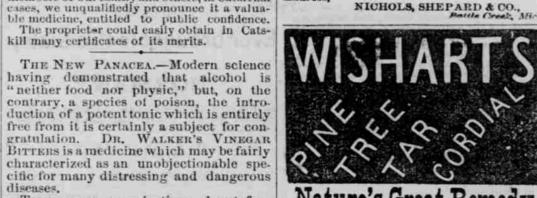
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Saving, and money making.

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3. It puriples and enriches the blood. Positively curing all humors, from the common purple or excursion to the severest cases of Scrofula. Thousands of affidavits could be produced from those who have felt the beneficial effects of PINE TREE TAR CORDIAL in the various diseases arising from IMPURITIES OF

THE BLOOD.

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