From the National Intelligencer.

THE SOLAR PHENOMENA We are obliged to a respectable friend in

Alexandria for the following interesting observations upon the late extraordinary appearances connected with the Sun:

ALEXANDRIA BOARDING SCHOOL. 8th Month, 20th, 1831. Friends Gales & Seuton: In compliance with the suggestion in your paper received to-day, I send you the following views res pecting the very unusual, if not unexampled appearance of the sun, observed a few days

To understand the phenomena alluded to, it will be necessary to make a few preliminary observations. During the great total eclipse of the sun that had recently taken place, the moon had just passed its perigree, or that point in its orbit nearest the earth, and consequently the combined action of the sun and moon upon the atmosphere produced a great tide in the equatorial regions, and diminished the pressure of the air upon the whole of the surface of the earth.* This diminution of pressure upon the surface of the water would occasion a great increase of evaporation, particularly when united with the high temperature that accompanied it. For it is an established fact, that the amount of evaporation from an uninsulated surface of water depends upon the elevation of temperature and diminution of pressure. A vast quantity of va-por thus raised was very observable on the evening of the 12th instant, at a considerable elevation, in the western part of the heavens, and continued to reflect a very red light for a long time after the sun had set.

The appearance of the heavens on the morning of the 13th I did not observe; but about mid-day, the sun shining through this body of vapor had a silvery appearance similar to that which it wears when shining through a vanishing fog, and I observed it to give an unusually glasstly appearance to the countenances of persons. Between 3 and 4 o'clock, the position of the sun with respect to this body of vapor becoming changed, it assumed a greenish blue appearance, precisely similar to that produced by the following experiments, and which in my opinion was dependent upon the same cause. Let a screen upon which the spectrum produced by the separation of the solar beam into its primitive colors by a glass prism is thrown, be perforated so as to let all except the red ray fall upon a double convex lens, and be converged to a focus, the result will be a representation of the sun of a greenish blue color, exactly such as it was observed to have at the time alluded to. The color is that resulting from cost of fifty per cent, that we shall be the opposite color.

The same experiment may be performed

more familiarly thus: Place a red wafer upon a white wall, and look at it intently with one eye for some time; then let the eve rest, without much effort at seeing, upon the wall, and a spot, the size of the wa-fer, of a greenish blue color, will be per-ceived. The explanation is, that the retina, through the action upon it by the red light from the waler, becomes insensible to the red ray in that part upon which the image of the wafer rested, and hence the cofor produced upon that part of the retina, will be the one resulting from the combina-

tion of the other six.

The greenish blue color of the sun, then, I think, depended upon the red rays being reflected by the intervening body of vapor, the other six passed to the eye, and produced the observed appearance. opinion was strengthened by one or two meets with their proportionate brightness, the orange was considerably less distinct, and the red much less than the orange.

Another corroborative fact was the stage of something better the stage of something better

Another corroborative fact was, that, as the sun descended below the body of vapor, which was about fifteen or twenty minutes before its setting, the vapor reflected an intensely red light—the light that passed through it was therefore separate from the red, and would have produced the opposite,

or greenish blue appearance.

The spot that was observed, is by no was visible to the unprotected eye, merely in consequence of the diminished brightness of the sun. By aid of a telescope, a considerable number of spots were visible. In the summer of 1816, a spot was visible to the naked eye for eight or ten days in succession.

If the above remarks are any way satisfactory to you, it will be a gratification to

Your sincere friend, BENJAMIN HALLOWELL.

It is evident, that as the air is partially supported by the combined attraction of the sun and moon, its pressure upon the earth must be dimin-ished. The greatest effect would not be at the im-mediate time of conjunction, but some days after

From the Carolina Observer

are circumstances of recent occurrence in rest themselves in the matter, and, if possiour State, which indicate a deeper interest ble, ascertain the cause of these knockings in the doings of the Legislature than the people have been accustomed to feel for them; and when they are once fully arousof the great cause of Internal Improvements, agencies, and pay reverence to imaginary we cannot doubt that they will provide a beings .- Albany D. Adr.

remedy. The great difficulty in this State has heretofore been, to get the people to act, to procure a general expression of enlightened public opinion. The members of the Legislature are generally afraid to risk their popularity upon measures of doubtful policy; and those few who have projected plans of improvement, have not been sufficiently sustained by their fellow members. The able report of Mr. Fisher, a few years the resolutions, year after year, by different members, in favor of Rail-Roads from Fayetteville to the West-and even the proposal for an appropriation of a few thousand dollars to make an experimental Rail-Road in this town-have all alike fallen upon deaf ears, simply because the PEO-PLE have been inert, tamely submitting to whatever of good or evil their Legislators may do for them. We will not believe that such indifference can much longer prevail; if there were no other cause for hope, the all-engrossing question to be agitated at the ensuing session, would create an interest which will not again sleep, as we hope and believe. What, then, will be the result of this awakened feeling? Can there be a subject of more lasting concern, than the providing of good roads from the rich and fertile regions of Western North-Carolina to the Market Towns on the sea board !-Until we make them, our strength and wealth are still doomed to be frittered away -the one by emigration, and the other by It is the interest of the Western and Cape

Fear sections of the State, at least, and it ought to be, and we doubt not will sooner or later be, the acknowledged interest of the whole State, as it is the dictate of experience and common sense, to provide the very best means for the farmer to convey his produce to a maket, within the State. To argue the point is needless, whilst there exist so many striking arguments in the stupendous works of our Sister States, executed and in progress of execution. Public opinion has too conclusively settled down in favor of Rail-Roads upon all great thoroughfares, to require any reasoning upon the subject. ap-it of the age; and we trust that North-Car-olina will not much longer delay to fall in with it, but will undertake a Rail-Road We shall from Fayetteville to the West. be forced into it in self defence : otherwise, we shall be undersold in every market .-The planter in Western South-Carolina, and he in Western Virginia, who can convey every article of surplus produce to market, for one per cent. of its value, will possess so manifest an advantage over him of Western North-Carolina, who can get only a few leading articles to market, and they at a the combination of all the primitive colors are or later forced into measures of self deexcept the red, and is denominated in optics fence. Let us begin in time, then. The means are not wanting. The credit of the State is ample for the procurement of any required sum. And under present circumstances, whilst there is so much fear of the failure of private enterprizes of any kind, and so little available capital to invest in them, we hold it to be a paramount duty of the Legislature to set the example; to strain its energies and its credit to the extremest length rather than leave us longer in a condition merely of existence, without the capacity for material improvement. The next Legislature will be more than ordinarily intelligent; and we look to it, if its time is not too much occupied with the subject of Convention, for a movement upon this important subject. We would appeal to it as portant subject. We would appeal to it as the last hope of the State; we would urge upon it every consideration of individual and and of public wealth and power; every feel-This ing of State pride. We would point its members to the every-day exhibition of their sons descring the land of their birth, yellow, green, blue, indigo, and violet colors appeared with their proportionate brightness, the orange was considerable to

The Mysterious Knocking .- Our readers will remember an account, lately published, of a mysterious knocking heard on the headboard of the bed and on the floor near the bed of a girl troubled with hysteric fits, in Daniels-street, in this city. Shortly after the former account was published, the girl means an unusual thing upon the sun's disc.

It was visible to the unprotected ever more sumed while she was in the country; and on her subsequent removal back to this city, they again returned. She was placed on a hammock swung from the ceiling, and to it there was no head-board; but the knockings were heard on the floor beneath the ham mock, and they have also been heard on the door near where the hammock was pla She has likewise been laid on a bedstead and on a cot, and the knockings have followed her. Public interest and curiosity have once more been awakened; superstition is again busy, and the friends of the girl are daily pestered with accounts of re medies to exorcise the evil spirit, which it is said possesses her, or to destroy the pow er of the witch who has control over her. Internal Improvement .- We think there It is hoped that the medical men may inte By so doing, they might relieve the mise ries of the girl, and remove the foolish faned by the contemplation of its past neglect tasies of those who believe in supernatural

Foreign Intelligence.

By the ship Mary Howland, Capt. Howland, we have received Liverpool dates to July 13th inclusive.

They announce the death of the Grand Duke Constantine, brother of the Emperor of Russia, and the immediate author of the oppressions which led to the revolution in Poland. It is intimated, we know not how correctly, that he died by his own hand.

Mr. Stanly has withdrawn the clause in his Irish bill for punishing with transport that capital. tation any person found in the possession of unregistered arms.

Ministers have announced their intention of going through with the English reform

It is rumored, that the 23d of September is fixed for the coronation of their Majesties. BELGIUM.

Prince LEOPOLD is now king of the Belgians. After a day's discussion, a division took place, when the members for the Prince were 126

Against him Majority

A deputation, composed of M. Labcau, Minister of Foreign Affairs, Count F. de Meronde, Barons Joseph D'Hougvoorst and Woelmar, and Mr. Hope, left Brussels on Sunday night, to wait on the new Sovereign of Belgium, KING LEOPOLD 1st.

POLAND. The Warsaw Journals, which reach to the 27th June, contain a report from the General-in-Chief, dated Warsaw, June 24, relative to the operations of the army a-gainst the corps of Rudiger in the governments of Podlachia and Jublon. On the 15th, the Polish head-quarters were at Siennica, where the General-in-Chief removto second the operations of Generals Sanskowski and Rybinski, and to cover Warsaw. On the 18th, Prybuotki took Zbuczyn and Siedlec, where he found large magazines. Jankowski, with a division of Infantry, some cavalry under General Tarno and General Romanno, were ordered to hozk, in the government of Lublin, and then, with this improved force, to attack and defeat General Rudiger. Jankowski took Lukow on the 28th, and when he arrived at Gulow, near Adamow, he heard that the enemy had crossed over at Lysolthat he might escape, he directed his zisks General Tarno, who had only 3000 men, met with the enemy about 3 o'clock in the morning of the 19th, but no assistance came; the enemy was alone 10,000 strong. The action continued till 9 A. M. and both parties kept their positions.

bearers of his orders, and the quarter-master, Maj. Bulivon, prisoners. On the same day, after the action fought by Gen. Tarno, all Jankowski's force was assembled at Gulowska Wola; and Rudiger assembled his at Pivyloczna; after which the former be-gan his retreat to Warsaw, and the latter also retreated. Generals Jankowski and The latter was the nearest to Tarno, and yet did not go to help him, though he heard the cannonade. The Warsaw State Ga zette, however, says that Chrzanowski took the town of Lublin on the 20th, and joined Romarino on the 23d; and, that in the battle near Lublin, between Chrzanowski and Rudiger, the latter is said to have lost 6000

men, taken prisoners, and 8 pieces of cannon. The accounts from Lithuania are generally unfavorable. It appears, that the cholera is becoming less malignant in its character at Dantzig and Riga.

Warsaw, June 29 .- The Russians, were said vesterday to be within 12 miles (English) of Warsaw. The command has de volved upon Gen. Paskewitsch, who is by

NEWS FROM POLAND-EXTRACTS FROM THE GERMAN PAPERS.

Warsaw, June 28 .- Our government has tion, with the view of convincing it of the necessity of participating in the loan just

A report is in circulation that the Rus sians have quitted Plosk, and are retiring into Lithuania; the Poles have received orders to pursue them beyond the Bug-

The last accounts from Poland, are dated Warsaw, June 30, and are almost en-tirely confined to the details of an extensive and formidable conspiracy against the National Government, just discovered, involving several persons in the army, and some of the principle branches of the Administration. The object of this conspiraministration. The object of this conspira-cy appears to have been of an anti-revoluary nature, and in favor of the enemy.

In consequence of those circumstance three different proclamations have been issued at the same time by the President of sians, and to treason on the part of several probably prove fatal. General and inferior officers. But altho

these proclamations were addressed to the people of Warsaw, public tranquility has been seriously interrupted in that quarter, as could have been anticipated by the ly General Hurtig, accused of keeping up a prisoners, marching them to Warsaw, and hoisting the counter-revolutionary flag in

The people themselves were for taking prompt vengeance against the traitor, and demanded to have him instantly hung in front of his house. All the efforts of bill previously to the discussion of the Irish and Scotch bills.

and Scotch bills. the citizen guard was unable to bring the people back to order; and it was only upon the request of the venerable President of the Government and the formal assurance that justice should be done-that the people at last retired amidst the cries of The President forever."

St. Petersburgh, 25th June .- By an imperial ukase, addressed to the Senate on the 4th, (16th) June, a general annesty is de-clared in favor of all those who have taken part in the rebellion, and particularly for the nobility, commanders of troops, members of the priesthood, &c., on condition that they express their contrition, and offer by their future conduct a satisfactory guarantee for the sincerity of their opinion .-Severe punishments are decreed agains those who persist in their disobedience, or who again return to insubordination.

From the Washington Globe, Aug. 24.

We learn from the Mississippi, that on the 31st of July, two or three hours before day, a party of from 80 to 100 Sacs and Fox Indians, surprised a Menominee camp 3 or 400 hundred yards above old Fort Crawford, on the east side of the Mississippi, and killed twenty-five of the latter, and wounded many, who may probably recover. There were about 30 or 40 Menominees, men, women, and children in the camp, most of whom were drunk, and the women had concealed their guns and knives to prevent their hurting each other. The Sac and Foxes, though greatly superior in numbers and attacking by surprise a drunken vki, to the right bank of the Wieptz. Fear. and unarmed encampment, lost several men, who were seen to fall in the onset, and rewhole corps into small detachments, and sent General Tarno to Lysolyki, near Bud- few scalps, pursued by only 4 or 5 Menofew scalps, pursued by only 4 or 5 Meno-minees, who fired upon them until they were half a mile below the village.

The party killed, consisted of one war chief, three head men, four warriors, six women and eleven children.

This massacre of the Menominees is General Tarno, on receiving positive, orders, retreated to Czarna. His loss was the unfortunate sufferers, but against the 270 killed and wounded; besides this, de-authority of the United States. The Mctachments of the enemy got between the nominees were on a visit to our post at Praiscattered corps of General Jankowski, and took two of his aids-de-camps who were the of the United States, and almost under the guns of the fort. The assailing party cross-ed from the west bank of the Mississippi and made their attack in defiance of the power which has hitherto, in a great degree, been enabled to hold in check the herce tribes even when at a distance from the military posts. The violence recently committed within the very precincts of the Bakowski are to be tried by a court mar-national authority, will require the interpo-sition of the arm of the Government, that an example may be made by bringing the murderers to justice.

> NEW-YORK, AUG. 25. Constitutionality of the Tariff.—We are indebted to Captain Halsey, of the ship William Drayton, for the Charleston Mercury, of the 20th inst. It contains a statement of facts in relation to the Custom House Bond, at Charleston, the payment of which has been refused in order to obtain a judicial decision on the question of the con-stitutionality of the Tariff. It appears that the bond was given by Isaac E. Holmes and Alexander Mazyck, for duties on goods imported by them.

Mr. Holmes and Mr. Mazyick imported through the agency of one of our most respectable mercantile houses, a bale of Blue Plains, the subjoined account of which, taken from the invoice at the Custom House, and from the account sales rendered by the mercantile house through which the Goods were imported and sold, will show some important facts. It will appear that the duty of these Plains is prohibitory, and conse quently that no revenue can be raised upon their import, the loss being such that they It will also be seen cannot be imported. that, with a moderate duty of 15 per cent. they would have yielded a clear profit sufficient to induce Merchants to import them.

For these duties three bonds were given; one of which being due is in suit.

As the case progesses the public will be further informed of whatever is deemed worthy of note. It is probable the case will be tried in September, as the writs are already issued.

was stabbed in Lower Fayetteville on Sunthe Government, by Prince Czartoryski, by day, by another named Mitchell. The lat-the commander-in-chief, and by the Munifrom Raleigh, and has been but a

[Carolina Observer.

Improvement.-The number of houses built, removed, and now building, is as great and an extensive insurrection broke out sanguine. Until within a few days, howethere on the 29th ult. upon the arrest of some officers accused of treason, particular-regard to durubility or elegance. Whilst it is to be regretted that any such occupy correspondence with the Russian ex-Colo-nel Breudel, treating with respect to the de-liverunce of and arming the 12,000 Russian cumstances. So general was the destruction, that it was necessary to adopt the most expeditious modes of securing places for business. But we begin to see evidences of a more liberal scale of building. The frames of several large stores have been raised, and the foundations of several two story brick buildings laid, and preparations making for the commencement of a number of others. We presume that not less than two or three hundred workmen have been added to our population, all of whom find employment at fair wages. There is an appearance of active business, greater probably than over was witnessed in this place in the summer [Fayetteville Observer. season.

> Manufactures.—A pound of crude iron costs in this country four cents; it is converted into steel, which is made into hairsprings for watches—every one of which sells for fifty cents, weighing only one-tenth of a grain. There are 5760 grains in a pound; of course one pound will make 57,-600 hair-springs, which at 50 cents

Now why is it that this increased value s given to the pound of iron? The answer is at hairl: because it requires so much labor to produce hair-springs. And as the laborer consumes so large a portion of our agricultural productions, it follows; that the working up of 100 pounds of iron into hair-springs, would produce a market for nearly one million four hundred and forty thousand dollars of the labor of the agriculturalist. Of course, if manufactured abroad and brought in here, the raw material being of scarcely any value, every hairspring of a watch is some forty or forty-fivo cents worth of agricultural productions imported to compete with our farmers.

Let any one inquire at a watch-maker's shop, and he will find this correct. And it is in this way, in a greater or less degree, that manufacturers benefit every member of society.-What a quantity of hats, shoes, clothes, &c. must be wanted in the manufac ture of 100 pounds of iron into hair-springs!

N. E. Journal.

Negro Murders in Virginia.

From the Raleigh Register.

INAURINECTION AND MURDER!—The disagreeable rumors which were in circulation in this city, at the date of our last publication, in relation to an Insurrection of the Slaves in Southampton county, Va. and a brief notice of which we inserted in a Postscript, turns out to be but too well founded Though in its actual limits confined almost to a single point, yet from a concurrence of circumstances peculiarly affecting, it swells to an affair of national importance and will excite an interest as wide as the reign of sensibility itself. Could it be adequately delineated, it would subdue the savage bosom, though schooled in the practice of hu-man torture. Like the head of Medusa, it can scarcely be looked on without converting the spectator into marble. We beg pardon, however, for resorting to fable—the dismal We beg pardon reality is alone sufficient-far beyond the powers of fiction.

From the multiplicity of reports to which this soul harrowing occurrence has given birth, we have endeavored to cull such as we believe to be substantiated. These we will succinctly present to our readers, without however vouching for their precise accuracy, though we have every reason to suppose them correct. They may serve to allay the anxiety of the public, until something official appears.
On Sunday, the 21st ultimo, there was a

uegro preaching in the neighborhood of the Cross Keys, in Southampton county, about ten miles from the Court House, at a black preacher (a slave) named Nat Tur-ner, officiated. What the character of his discourse was, is not stated, but is a fair subject of inference from the fact that the conspiracy broke out the same evening in that neighborhood, and was headed by the preacher himself, in conjunction with a free man of color, called Will Artist. His harangue most probably was the immediate cause of the disturbance, for it seems from all the accounts that the number of insurgents was few and that there existed nothing like a concerted plan, except in the narrow circle where it began. Perhaps by animating and encouraging the timed with hopes of success, removing the scruples of the re-ligious by grossly prostituting the sacred oracles, and inflaming and confirming the resolute, by all the savage fascinations of blood and booty, this mis-called preacher so worked upon the feelings of his auditors that they immediately resolved upon their bloody course. Be this however, as it may, A Free man of color, named Cozzens, it is certain that on that evening about fifty negroes, headed by the two persons before named, rose in open rebellion and commenced an indiscriminate slaughter of the whites, cipal Council. They agree in attributing short time in this place. He is now in jail, sparing in their blood thirsty infatuation, the conspiracy to the perfidy of the Rus- to await the issue of the wound, which will neither age, sex, or condition. During that night and the following day, they succeeded in killing more than SixIX WHITES.—