Scientific Ameeican,

A trial was made on the Second Avenue Elevated Railway, New ber, with entire satisfaction to the 40 counties, and raining and unfavor-Pneumatic Tramway Engine Compa- able in 42. The weather, compared according to an old and well known ed. Picking will probably be finishto provide moitsure as a lubricant for the pistons.

This locomotive was built by the Baldwin Locomotive Works, of Philland. It is on the same principle and damage from either cause. an improvement on a street motor that was tested and reported on by General Haupt, whose report was published in the Scientific American Supplement of June 28, 1879, No. 182. The obvious advantages of a noiseless exhaust, and the absence of fire, with its disagreeable odors, dust and smoke in a street motor, are claimed for this locomotive, and so far as the experiments are concerned which have taken place in the last few days on the Second Avenue Elevated road, the claim is well established.

The locomotive, as shown in our engraving, consists of four steel cylindrical air tanks of very periect construction, having dished heads and triple riveted spiral seams in lieu of the usual longitudinal form, and double riveted circumferential seams, all of which are made tight by means of Connery's calking, and tested at a pressure of 850 pounds to the square inch. These tanks, having an aggregate capacity of 400 cubic feet, are supplemented by two smaller distribting tanks, a small steam generator, ally carries upon three points of the astounded .- News & Observer. frame, thereby avoiding undue strains and securing steady motion over inequalities of the track. The initial air Army of Virginia has been presented pressure is 600 pounds to the square by Senator Vest to the Mis ouri BARGAINS inch at starting, but is distributed to Historical Society. He writes to a the motive cylinders through the distributing tanks, reducing valves, and by one who, like you and myself, steam boiler, at a uniform working was loyal to the cause for which that pressure, about the same as that of ordinary locomotives. A small fire is kept burning in the furnace of the steam generator, which is a small upright tubular boiler. For the purpose of obtaining a high grade of expansion and a noiseless exhaust, the cut- history for its achievements, should off is arranged on the back of the be deposited with a society permaslide, as above stated, which is instantly adjustible to any desired grade serving the correct history of each within the cab.

A new and peculiar feature of this engine is the use of the main cylinders for working the vacuum breaks, which is done by simply putting the reversing lever in mid-gear, when the main cylinders become vacuum pumps, thereby greatly simplifying the handling of the train.

On the 26th of October we had the pleasure of a ride on this admirable engine, and we testify to the perfect manner in which it fulfills its dission as a poiseless, odorless, smokeless, and perfectly controllable motor. It will cover the full length of Second Avenue, from 127th Street to the Battery, with four loaded cars, at a higher rate of speed than the schedule calls for, with a single charge of air, and then the recharging is done in as short a time as is needed to cleange horses on a surface road.

The engine is now in charge of Juo. A Wallace, one of the "L" road engineers, who is more than pleased with it, and especially is he delighted with the absence of anxiety about boiler water, which is the steam locomotive driver's bugbear.

til the weather changes, like good are die hience of sun storms children.

The Texas Cotton Crop.

NEW ORLEANS, November 9. The Galveston Exchange reports 106 replies from 82 counties, which show worms, which have cut short the top crop; 14 report more or less

The State House of Texas Burned.

special from Austin, Texas, to the State House was discovered to be on the flames. The walls are all standing, selves. apparently uninjured. The fire originated in the basement, the book room used for storing the reports of the Supreme Caurt, on the north side of the building. The fire, when discovered, had been eating its way above and through the Speaker's room. The records of the different ly esteemed for its perfume and purity offices were generally saved, but much scattered and damaged by the rain falling at the time; some \$10,-000 worth of the revised statutes of worth \$20,000, with the building, worth perhaps \$150,000, are a total undersigned,

Oscar L. Baldwin, the precious and a pair of motive cylinders, simi- rascal who robbed the Newark bank lar to steam engine cylinders, 121 x 18 of two million dollars, more or less, in ches, with Stephenson link reversing was last year a very generous congear and adjustible cut-off on the slide, tributor to the Republican campaign connected in the usual manner to four fund. It is said that he gave large coupled 42 inch driving wheels. The amounts to Star Router Dorsey to aid cab is located at the forward or cylin- in carrying Indiana in October, and der end of the machine. The method he also gave more to the general Don't fail to see us beof hanging by means of equaling le- fund than any man in Newark. If vers between the drivers and an im- it could only be known just how proved two-wheeled swinging centre much money, stolen in one way and bearing pony truck effects the distri- another, was used by the Republibution of eighty percentum of the cans in October and November elecweight upon the drivers and practic- tions, a good many people would be

The original copy of Gen. Lee's BOOTS order disbanding the Confederate member: "It was placed in my hands army fought and who accepted in good faith the results of its defeat. I received the trust, but upon reflection I think that a paper so valuable last record of an army unequaled in hear our prices. nent in duration and devoted to presuccessive age."

Seven Spots on the Sun.

Rochestar Democrat.

Seven large spots varigated the disk of the sun yesterday. They were telescopes, without danger. Even a relief demanded in the complaint. spy-glass fixed so that it can be turned to the sun without using the eye, will throw an image of the sun on a

This image can be brought into a focus by sliding the tube or moving the screen to and from the eye piece until the edge of the sun appears sharp and the spots become visible. The spots can be easily seen on an image three-quarters of an inch in diameter. But the eye must be kept from the instrument or serious injury will result. The earth storms seem to re-Javenile chorus-'Why, mamma, spond to the great storms in the sun how funny the milk tastes this morn- with remarkable precision. It is to ing.' Mamma-'Well, my dears, be hoped that the sun observations owing to the scarcity of water, the during the summer, in connection milkman had to give it to us in its with the meteorological records, will natural state. Try and drink it un throw some light upon the exact na-

upon the earth.

Animals Before an Earthquake.

An Italian writer on the recent catastrophe on the Island of Ischia mentions those prognostics of an earthquake which are derived from animale. They were 23d, and again on the 28th of Octo- October 1st to have been favorable in were such as to be generally perceptible. Some minutes before they were felt the oxen and cows began to bellow, the sheep ny, who own the machine. In this with last year, has been more favora- fusion one on the other, tried to break locomotive air at a high tension is ble for gathering the crops in 46 counth the wicker-work of the folds, the dogs valve and then through hot water, per cent. of the crop is reported pick. horses, which were fastened in their stalls, were greatly agitated, leaped up plan, for the purpose of heating it, to ed by the 15th. The average yield is they were attached to the mangers; those compared with last year. Forty-three strange way. The cats were frightened, adelphia, and is the invention of Mr. damage from storms and rust; 25, on which they had alighted; and fish left mostly northern counties, report no the bottom of the sea, approached the shores, where at some places great numbers of them were taken. Even ants and reptiles abandoned, in clear daylight their subterranean holes in great disor-GALVESTON, November 10. - A der, many hours before the shocks were felt. Some dogs a few minutes before News says: At noon to-day the old the first shock took place, awoke their them as if they wished to warn them of fire, and in an hour and a half the the impending danger, and several perbuilding was completely gutted by sons were thus enabled to save them-

A Richmond, Va., dispatch says it is stated on the best authority that there is no foundation for the published reports that

The Color and Lustre of Youth are restored to faded or gray hair by the use of Parker's Hair Balsam, a harmless dressing high

NOTICE TO CREDITORS! The undersigned having qualified as admin- healthy actions are induced. M. A Bost, Adm'r of Sept. 30, 1881. Davalt Beaver.

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Respectfully,

Nov. 2, 1881.

J. F. ROSS.

North Carolina-In Superior Court ROWAN COUNTY .- 19th Sept., 1881. Mary E. Daniel) Suit for 'declaring void from the beginning

Lewis Daniel | Marriage Contract. It appearing from affidavit filed, that the not widely scattered, and might be Defendant is a non-resident of this State, it is ordered that publication be made in considered as one group. These spots the CAROLINA WATCHMAN for six succesform the most striking view yet pre- sive weeks notifying the Defendant, Lewis Daniel, to appear before the Judge of our sented during this season of maximum Superior Court, at a Court to be held for sun spots. Scattered among the large the County of Rowan, at the Court House in Salisbury, on the 9th Monday after the spots are innumerable small ones that 4th Monday of September, 1881, and anappear no larger than a pin's head. swer the complaint which will be deposited An eighth large spot is forming. This Court of Rowan County, within the first in the office of the Clerk of the Superior wonderful display of solar forces can three days of the term, and that if he fail to answer the complaint during the term, be easily observed by all possessing the Plaintiff will apply to the Court for the

Clerk Superior Court Rowan County.

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ALLCOCK'S POROUS PLASTER

A Curative Host in Itself. York, of a new air locomotive on the the character of the weather since observed in every place where the shocks ties, one or more applied to the spine producstored in tanks and distributed to the ties, the same in 10, less favorable in howled terribly, the geese and fowls were ent for all ages and conditions, usually only motive cylinders through a reducing 26 and no damage from frost. Eighty alarmed, and made much noise; the producing a "blush" on theskin, and more cerand tried to break the halters with which Lung and Throat Affections, and the utility of estimated at 500 pounds seed cotton, which were proceeding on the roads sud- the world, and it is believed that not less than the expansion of the air, and also indicating a decrease of 40 per cent. dealy stopped and snorted in a very five hundred thousand persons are well, and counties report serious damage by and tried to conceal themselves, or their where about them, and who, but for the said hair bristled up wildly. Rabbits and plaster, would be prostrate upon a bed of agomoles were seen to leave their holes; or atmosphere exhales from them by the warmth of the body, imperceptible to the eye, but which

cus diseases are about, they should be worn on the iest or back as preventives. THE ALLCOCK'S POROUS PLASTER

oothes pain, reanimates torpid limbs, seems, in many cases, to revive the powers of life. The great demand proves them to be used as sleeping masters by barking and pulling a universal remedy. They are convenient of approducing any injurious effects.

Dr. Valentine Mott, Dr. Johnson, of Hart-

ford, and Dr. Myers, of Savannah, have spoken of them in the highest terms. The great Mott said: "They were all that could be hoped for in a plaster-simple, cleanly and adhesive; perfect as artificial supporters of the muscles qualities, usually at once giving ease." Local the control of the Richmond & Danville weakness of the back, breast and side, always Railroad Company is likely to change hands. benefited, thus curing lumbago in a few hours. sometimes in a few minutes. In serious heart and chest affections their

use causes an absorption or evaporation of water, by which dropsy of the heart and hydro-thorax have undoubtedly been cured. They appear to have a peculiar effect upon the nervous, allaying irritability while supply ing warmth. They seem to accomulate elec-

tricity, and aid the circulation of the blood

through the part where applied, by which istrator of the estate of Davalt Beaver, dec'd. The Porous Plasters are flexible, and found the State, the library worth \$40,000, hereby notifies all pecsons having claims of great help to those who have weak backs against said estate to present the same for pay. or pains in the side. Especially are they valfurniture in the legislative chambers, ment before the Eirst Day of October, 1882, unble to those who have neglected colds. They and all persons indebted to said estate are requested to make payment immediately to the they are believed to have loosened the grasp of The Best Advertising Medium at this terrible affliction, and had been mainly instrumental in effecting a cure. In variable ilimates they should be worn on the breast, or cetween the shoulders, or over the kidneys, by bhose who are subject to take cold easily. This in this and adjoining Counties. simple plan will soon produce constitutional vigor that will enable one to resist extraordinary changes of temperature. Experience has proved the Porons Plaster to be a blessing to

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12 30 12 52 1 40 2 24 2 40 2 24 3 45 4 45 5 40 6 37 7 57 8 29 8 50 9 45 Morganton Glenn Alpine Bridgewater Marion Old Fort 7.07 A.M Henry Bl'k Mountain Cooper's Swannanoa Asheville Ju'ct 5 27 Asheville French Broad 4 15p.m. FREIGHT TRAIN. ARRIVE. LEAVE. STATIONS. 5 00 A.M. Salisbury Third Creek Elmwood Catawba 12 25 12 09 11 31 A.M Conover Morganton 9 40 Glen Alpine 9 06 12 32 A.M. 1 00 2 17 Bridewater Marion 3 41 4 02 5 26 5 50 6 30 6 50 P.M. Old Fort Henry 5 59 Blk Mountain 5 03 Long's Asheville Jn't Asheville French Broad

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4 11 A M 5 56 A M 8 03 A M 8 25 A M 1 40 P M

TRAINS GOING SOUTH

11 16 ··· 12 45 ··

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10 45 P M 12 00 M 2 25 A M | 2 43 P M

8 25 P M 10 21 A M 11 31 10 27 A M 11 33

405 AM | 615 AM 415 P

9 50 **

12 01 P M

1 20 °

4 28

4 35 · · · 4 38 · · · 4 43 · · ·

No. 48 Daily

6 18 "

8 17 " 8 37 " 10 33 "

12 20 A M

12 80 A M

4 30 " 6 07 " 7 57 " 8 18 "

for Rich-

Date May 15, '81

Arr. Greensboro

Lv. Greensboro

Arr. Goldsboro

for Richmond

Barksdale
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Arr. Manchester Arr. Richmond

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Salisbury

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