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## Rallroads and Manufactures at the <br> The South has indeed rousel herself with－

 in a few years，and her capitalists and men of enterprise are directing their energies to the developement of the real resources of that sec－ tion of the Union．Millions of dollars have already been invested in manufacturing estab－ lishments，and other millions will soon take the same direction．Little Delaware，we are assured；has already a greaternumber of manu－ facturing establishments，in proportion to her population，than any other Statein the Union． Maryland has invested $\$ 45,000,000$ in rail－ roads，canals and manufactures，and she is still busily and actively employed in various lauda． ble undertakings．Virginia has a like invest－ ment of about $\$ 60,000,000$ ，and will soon have railroads in active operation to the extent offifteen hundred mites．North Carolina has fifteen hundred mites．North Carolina has
five hundred miles of railroads completed or in progress－white even in South Carolina，where， until recently，manufactures where ridiculed or denounced，several extensive factories are now denounced，several extensive factories are now
in active progress and successful operation．－ Florida，young as she is，has $\$ 4,000,000$ in－ vested in railroads and manufactories－while Georgia has invested $\$ 55,000,000$ ，and has up－ wards of seventy cotton factories in the full tide of successful experiment．Albama，Mis－ sissippi，Missouri，Arkansas，Kentucky and Tennessee，are also animated by the same spirit．Mississippi has fifty－three cotton fac－ tories，while Missouri has invested in internal improvements，mines and manufactories，the enormous sum of $\$ 85,000,000$ ．

Extent of Rallroads．
We have now in the United States about 8,500 miles of railway completed，at a cost of $\$ 230,000,000$ ，and before the close of this year， at least 5,000 miles more will be in contempla－ tion，and capital will then be found rapidly centering towards them．Among these are two stupendous lines－one from Cincinnati to two stupendous lines－one from Cincinnatito
St．Louis，to cost $\$ 5,000,000$ ；and another St．Louis，to cost $\$ 5,000,000$ ；and another
from Lake Michigan or the Mississippi to the Pacific ocean，to cost over $\$ 60,000,000$ ，for a distance of more than 2,000 miles．Besides these，Ohio，Pennsylvania，Indiana，Illinois， and，indeed，almost every State has various routessurveyed and in contemplation．

Rallway Law in Illinots．
A general railroad law has been reported by a committee，to the Illinois House of Repre－ sentatives．It is to incorperate companies for the building of railroads，and designates the terminal of certain routes，including the Vin－ cenness and St．Louis line，and all others with equal claim upon the legislative attention．

Drummond Light for Rallways． Prof．Granthas made a successful trip the Bordentown and Amboy Railroad．His light threw its brilliantrays about half a mile on the track，in advance of the eagine，and out requiring adjustment．

## IMPROVEMENT IN THE PIANO FORTE．－－－FIg． 1.



This improvement is the in vention of Messrs． Boardman \＆Gray，Pianoforte manufacturers，
in the City of Albany，N．Y．It is called the ＂Dolce Campana Attachment，＂and has been secured by letters patent．The Piano has al－ ways been regarded as of limited powers，prior to those improvements by way of attachments， which are but recent inventions．The soft or harp pedal has been the principal one to vary the tone－but always objectionable by its mar－ ring the clearness of the vibrations of the strings，and to overcome which has been the great desideratum with the inventors of the Dolce Campana Attachment，and by which this object is fully attained．It is controlled by a pedal，and produces peculiar qualities and expressions of tone，unlike anything heretofore known；and when combined with the other two pedals，produces the lightest shade of al． tissimo notes，alternating with the cresendo and diminuendo，and other musical accents of any kind which may be desired，in imitation of an orchestral performance．The particular qualities of this new attachment，are its clear－ ness，brilliancy and delicacy of tone，which falls upon the ear with a surpassing softness， like the chiming peals of distant bells，and hence its peculiar name，＂Dolce Campana．＂ （Sweet Bells．）This attachment is perfectly simple，and so constructed that it can be de－ tached from the instrument in a few mo－ ments．It will not put the piano out of tune， or in any way affect，except at the will of the performer．
The above is a perspective view of the box of the instrument，with the lid， H ，open．A Indian Fishing，and Cook
In＂Ross＇s Adventure in Ore＂ lowing queer paragraph appears，to teach，we suppose，the value of natural and instinctive art：
＂On the 17 th，we were paddling along at daylight．On putting on shore to breakfast， four Indians on horseback joined us．The mo－ ment they alighted，one set about hobbling their horses，another to gather small sticks，a third to make a fire and a fourth to catch fish． For this purpose the fisherman cut off a bit of his leathern skirt，about the size of a small bean；then pulling out two or three hairs from his horse＇s tail，for a line，tied the bit of lea－ ther to one end of it，in place of a hook or fiy． Thus prepared，he entered the river a little way，sat down on a stone，and began throwing the small fish，three or four inches long，on shore，just as fast as he pleased；and while he was thus employed，another picked them up and threw them towards the fire，while the third stuck them up around it in a circle，on
is the box，B are the strings，and C，D，E，F represent the parts of the Dolce Campana At－ tachment ：this consists of pressing hammers， C C，which pass through openings in the frame， D，and are secured at the back part by nuts， E．There are two standards on which the frame of the pressing hammers are hung on pivots，F F，at each side．This allows the frame，D，to vibrate or rock on its pivot bear－ ings at F F．The frame of the Campana is attached to a stirrup which passes down be－ low，（not seen）to a pedal，which，when press－ od by the foot，the weights are drawn down to press upon the sounding frame，to modify its

Fig． 2.

vibrations to produce the effects stated．Fig． 2 is a side view of the depressing hammer，C， resting upon the sounding frame，K．The sounding frame has screws，$J$ ，passing through it，which cannot be seen in fig． 1 ，（one screw for each hammer．）It will therefore be under－ stood that the weights are not resting upon the strings．The hammer is made of a thin box of brass，filled with lead，and the arm is made of brass．
The Piano Fortes of Messrs．Boardman \＆ Gray，with this Attachment，have received the first premium at five several Fairs，viz．，State Fairs at Buffalo and Syracuse，New York Pittsfield，Mass．；Institute at Baltimore，and American Institute，New York City．
small sticks，and they were no sooner up than roasted．The fellows then sitting down，swal－ lowed them－heads，tails，fins and all－in no time，just as one would swallow the yolk of an egg．Now，all this was but the work of a few minutes；and before our man had his ket－ tle ready for the fire，the Indians were already eating their breakfast．When the fish had hold of the bit of wet leather，or bait，their teeth got entangled in it，so as to give time to jerk them on shore，which was to us a new mode of angling；fre produced by the friction of two bits of wood，was also a novelty；but what surprised us most of all，was the regu－ larity with which they proceeded，and the quickness of the whole process，which actually took them less time to $p$

Tea Culture in America．
The tea plantation ef Mr．Junius Smith，of Greenville，S．C．，is said to be in a flourishing condition．Both the black and green tea plants have blossomed，and look well．

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## Amerlcan Grapes

The Catawba deservedly stands at the head of the list of all American Grapes，both for table use or for making wine．It is cultivated ex－ tensively near Cinclnnati and from it excellent Hock wines have been made，equalling the best that come from Europe．It can grow in all parts of New York．
The Isabella is undoubtedly better known and more extensively cultivated than any grape in this country．It is hardy and vigor ous－and like the Catawba，cxceedingly proli－ fic，both kinds often producing ten bushels to a single vine．From the Isabella an excel lent wine is made，equalling when it has a lit－ tle age，the best Madeira．
The Elsinburg is highly esteemed by many as a table grape．It is without pulp，sweet and delisious ⿴lavor，the fruit small but a good bearer．
The Itongworth＇s Ohio，or Segar－box Grape is an excellent desert fruit，but small，very similar in appearance to the Elsinburg；it is without pulp and produces large bunches，some－ times measuring fifteen inches in length．It ripens early and is an excellent bearer．
Norton＇s Virginia Seedling is in appearance and size of fruit very similar to Longworth＇s Ohio and Elsinburg．Is very productive，both in the garden or vineyard，and especially val－ uable at the South，where many kinds rot in
wet seasons．
The White Scuppernorg is the great wine grape of the South，and is found growing wild from Nirginia to Georgia．It is known from all other grapes by its small leaves，which are seldom over two or three inches in diameter At the Sauth，it is a prodigous bearer，one vine having produced one hundred and fifty gallons of wine in one season．For many years an excellent wine has been made from this grape．This grape is only suited to the climate of our Southern States．
The Alexander，or Muscadel，is an excellen grape and makes first rate red wine．It is ve ry hardy，and is only surpassed by the Cataw ba．
The Powel Grape produces a fruit that is easily preserved in jars for winter use and on this account it should meet with great favor．－ America will soon be able not only to supply her own market with good pure wine，but will also be able to supply other nations．

## To Feed Horses．

Horses should be fed with cut hay among their oats，and some cut oat straw is a good mixture．This makes them chew their oats． Never let horses feed get sour，nor feed musty hay．The beast should be fed like his rider．

To Cure Swelled Throat in Hogs．
Take of molasses one half a pint，and a ta－ ble spoouful of hog＇s lard；to this add of brim－ stone a piece an inch in length．Melt it over the fire，and when cold or in a liquid state drench the hog with it ；and nine times out of ten it will be found to have the desired effect． To Prepare Rennet．
Take a gallon of bloodwarm water to each， rennet ；soak，after stiring，for 24 hours；strain the liquor and let it settle，saturate with salt， and skim off the scum．
Pargnips are excellent feed for hogs，far bet－ tor than carrots．

Weel have two patent cases，which we have left over to next week．

Fighting men need not look for war with Russia at present．

