

in the support and prosecution of such an undertaking, whatever may be the route which shall be finally determined upon.

## New Light for Railroads,

Proff. Grant is at present engaged in arranging his "Calcium Light," for the use of the Camden and Amboy and New Jersey Railroads, to be placed upon the front of the locomotives Should this prove successful, says the Philadelphia Ledger, and of the utility Professor Grant supposes, it will render travelling by railroad as safe by night as by day. This light is a discovery by Proff. Grant, and is said to combine the several qualities of both the Electric and the Drummond light, and can be furnished at a comparatively much cheaper rate than the ordinary lights.

## Great Tunnell,

The Huddersfield and Manchester Railroad Tunnel, in England, is more than three miles in length, being the largest in the world, at a depth of 625 feet below the ridge of the hill, which it pierces. The tunnel is so perfectly straight that on a clear day one can see through from either end.

one cluster after another as thick as they can well lay. Care should be taken that there are no broken nor green ones in the clusters .--If there are, they will cause the others to mould and decay. We then put down a layer of cotton batting, and then another layer of grapes, till the box is full.

Some have been at the trouble to seal the end of each stem with wax. We do not believe it is of any service. As the stems are brittle it is necessary to handle them with a great deal of care. When they are thus laid down, much depends upon the place where you deposit the box. It should be placed in the driest aud coolest place you have in the house. Some prefer the garret. There they are apt to wilt and loose all their flavor. Sometimes they will mould in the cellar. The princapal difficulty in preserving grapes lies in the keeping them secure from the time you lay them down and the setting in of cold weather. After that there is no difficulty ; I have generally had them come out as green and as fresh in the middle of winter as they were when first laid down, and with all their original flavor.

So far as my experience goes I have succeeded best in preserving them in the upper part of ha callar I have never failed in them in this way. As they may be kept, they become a more desirable fruit, and the cultivation of the vine should be greatly increased not for the purpose of making intoxicating drink, but as an article of wholesome food .--The table, S, rises and sinks like a balance There can be no doubt but that fruit should constitute a much larger share of our diet. The pass through openings in plates inside, and it free use of it would relieve us in a geat measure of some of our most common diseases.

Panama Isthmus Railroad.

The contract for grading about half the contemplated railroad across the Isthmus of Panama had been taken by a Philadelphia house.

Wheeling Suspension Bridge. The Suspension Bridge at Wheeling is completed and passengers are now crossing. Mr. Ellett the enginer first crossed in a horse and buggy.

## The Blue Ridge Tunnel.

The Louisa Railroad Company has awarded the execution of the Blue Ridge Tunnel to Mr. Rutten, of New York, an experienced and energetic contracter.

frame of the machine; B is a pulley on the up. When the one frisket is rising the other

S; and G G the friskets that lap it down, al- This is done by two rocking stenter bars, H H,

ternately, from side to side, on the table. On which hold down the cloth snugly at each side,

the shaft of the pulley, B, is a crank, C, at- and only rise to let the ends of the friskets

Figure 2.

is falling, and they pass at the vertex of the

angle which they form. The friskets alone

could not fold the cloth, as every lap must be

retained in its proper place when laid down.

pass under them to fold the cloth, and imme- ||jections below, and to the cross bars, AA, as diately fall when the friskets rise. These stenseen in fig. 2.

ter bars are just cross bars, with some pin teeth in them, and are fixed upon two short table of weighing machines. It has four arms each, which are secured on rocking axis, round guide bars, OO, (two not seen) which TT. The rocking axis of these stenters for retaining and holding down the cloth, are mo- has a pillar attached to its centre and passing ved at the right moment by cams, M M, on the down, is attached by a chain to the periphery axis, L L, of the friskets. These cams strike of the balance pulley, N, which is secured on projections on the under side of T T, and thus a shaft, R, having a weight, Z, attached to an make the stenter bars rise, opening like jaws, arm on one side of it. Therefore when there by the two coiled springs attached to the pro- | ing the stenters to hold the cloth firmly at one |dry place.

main driving shaft, to give motion to the

whole machine. The reader must suppose the

cleth to be taken from another table and carried

above the middle of the table or folding-board,

## How to Keep Smoked Hams.

The best method of keeping hams is, after they are smoked, to put them back into the pickle, and the smoky taste is preserved as which immediately fall when the frirksts rise, is no cloth upon the table it is high up, allow. perfectly as when put in ashes or kept in a