

to rotate in the same direction. The advantage of using two small saws, in place of one large one, for cutting thick lumber, is not only in the very great saving in the cost of the saws, but also in the economy of working; the small saws being thinner will cut away less timber and run proportionately lighter and at less expense of power.

In using circular saws, the lateral springing of the timber is found in many cases to press so heavily on the sides of the saw as to cause great friction, and heat the saw to such a degree as to injure it; this will be obviated by guiding the saw by means of the spring, G, and its journal box, the spring being of sufficient strength, to prevent end play of the spindle, but at the same time yielding to the lateral pressure, caused by the springing of the log, will cause the saw to run lighter, will make less noise, and will make a cleaner cut. More information may be obtained by letter addressed to Mr. Child.

Figure 2.



pressure on the sides of the saw occasioned spindle; CC are the bearings; D is the saw

ocean, it completes the entire line of steam transportation from the extreme Northern States on the Atlantic to the Pacific, passing directly through the city of New Orleans. A glance at the map must impress the mind with the importance of this link between the Atlantic and the Gulf, through Florida, in the great chain connecting the two oceans."

ed that the work will be completed, a new

track or tracks constructed through the city-

everything in order-sometime during the en-

suing Fall. The Hudson River Railroad will

be completed between Hudson and Greenbush

in May next, when trains will be run di-

rect from Troy to Hudson, and in September

the whole line will be finished, and the cars

Railroad Across Florida.

The New Orleans Picayune of the 18th inst

publishes a letter from Governor Brown, of

Florida, relative to the above named road, and

urging its construction upon the favorable re-

gard of the citizens of New Orleans. He says

respecting the project :--- "I cannot imagine an

enterprise in which the people of New Or-

leans should take a deeper interest. Connect-

ed with the contemplated route from the south-

western coast of the Gulf of Mexico, across

the Isthmus of Tehuantepec to the Pacific

running from Troy to New York."

The style of the proposed road is the "Flo rida, Atlantic, and Gulf Central Railroad, and its charter has no restrictious as regards the termini, which may be located at the most suitable points on the Atlantic and on the Gulf side. This railroad will become one of the most important in the whole of our continent.

secured on the spindle; E is the driving pulley; to allow the spindle, B, to pass through them, F is another pulley keyed on the same shaft; and are concentric with the said spindle; the G is a strong spring of flat steel secured at its arms. H H. fit on the said bosses so as to allower end to the frame, A. On its upper end low of their being easily swung in any rethere is a journal box q (letter turned wrong quired direction. J is a plank or table secuway by engraver), fitting to the spindle, B. red across the front of the arms, H H. K K H H are swinging arms attached by metal are arches formed of flat bar iron attached at straps, h h, to circular bosses, I I, provided each end to the frame. A. LL are bolts havwith flanges to prevent the swinging arms ing their heads formed so as to embrace the cross the Atlantic and olrcumanavigate the from slipping off. The bosses, I I, are hollow, arches, K K, these bolts pass through the arms, | globe.

The Duke of Wellington once left his umbrella by accident, on the stall of a lady of rank, at a fair. On returning to look for it, he was told that the umbrella had just been sold for twenty-five guineas by the lady, who could not resist the temptation of disposing of so valuable a relic, for charitable purposes.

Large Balloon. John Wise, Esq., of Lancaster, Pa., is engaged inconstructing another monster balloon, to be about three times as large as the "Hercules," used last summer, with which he intends to prove the certainty of his ability to th l