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# Kail-Road Mpmg.

Railroad Law. In the proceedings for an injunction against the Hudson River Railroad, by Hamilton Wilkes, on the ground that in assessing damages for lands taken, the company had proceeded under their charter instead of under the General Railroad act.

Judge Edwards has decided that the charter called for three commissioners, whose residence and the mode of nomination were not fixed. The general act for five, who should reside in the country, where the lands lie, two from the nominations of the land holders, a like number from the nomination of the company, and the fifth by the court.

The court held, delivering an . able opinion, that the mode of fixing the damages provided by the charter, stood unaffected by the General Act.

The injunction having been denied, the company will of course proceed with the construction of the road over the lands acquired under these proceedings from Mr. Wilkes, without further interruption. The same order was also made in the case of Mrs. Margaret Livingston.

Railroad Opening in Great Britain. It appears that at the end of 1849 there were about 6,030 miles of railway which had been authorised by Parliament, and still remained to be completed; that the principal part of the lines opened during the year were among those authorised in 1845 and 1846, and that the proportion of lines sanctioned in those years, the powers for constructing which have not been abandoned, is very great, being one-third and three-fourths respectively, and a still larger proportion for the year 1847. It is, therefore, to be inferred that no great length of new line has been commenced since last year, and that probably only about 1,000 miles out of the 6.030 miles which still remained to be opened at the end of 1849 were in progress of construction at that time.

## Michigan and Indiana Railroad.

John B. Jervis. Esq., late Chief Engineer little umber, ground very fine, or a small quanof the Hudson River Railroad, has just been tity of Vandyke-brown, which is better; with appointed to and has accepted the office of which pass over the whole of the work intended to imitate black rosewood, and it will have Chief Engineer of the Michigan Southern Railroad, and of the Northern Indiana Railroad, the desired effect: indeed, if well done when it which Companies are together engaged in is varnished and polished, it will scaredy be constructing the continuous line of railroad known from rosewood. from Lake Erie to Chicago. It is intended to To make Effervescing Lemonade. from the projecting parts of the platen to the of the room. The inking rollers, D, (fig. 1,) have the entire line finished within two years. For one dozen of bottles, take of sugar 4 by which time it is believed the road around segment of the large wheel, are connected by are thrown on and off the form by the levers, ounces, essence of lemon 36 drops, bicarbonate joints with the latter, and made to oscillate L L, connected with the lever, r k, by the rod, the south shore of Lake Erie will be completed, of potash six drachms, and dissolve these in by the spurs, Z Z, fastened to the sliding rods, g, a portion of which is shown in fig. 2. The and a continuous chain of railroad communiclean water sufficient to fill the bottles ; then P P, to the upper ends of which the bed is se- lever, r k, is moved by the cams, d, within cation be thus secured from Chicago, and peradd 35 grains of citric acid in crystals to each haps Galena, to the City of New York. cured. The upper ends of the rods, N N, are the stationary wheel, J; this wheel is held bottle, and tie down the cork instantly. It is thrown back by the descent of the bed, to al- in its place by the arms on its sides running fit to drink next day. low the sheets of paper to pass between the below the cams, a a. The letters L L show The Toronto and Lake Simcoe Railway. This great project of a road from Ontario to Suspension Bridge at Lewistown. bed and the platen; but while the sheets are where the lower ends of the levers, designated This work, we are informed, which will be Huron, by way of Lake Simcoe, is being indusreceiving impressions, these rods connect the by the same letters in fig. 1, rest on the arms triously pushed forth. We see it stated that the most stupendous of its kind in the worldplaten with the segment of the larger wheel; | of the large wheel. The distributors, shown exceeding, by more than one hundred feet, the the County Council of Simcoe have voted they occupy a position similar to that of the by the letters M and N, in fig. 3, are driven span of that at the Falls, seven miles abovea grant of £50,000 in debentures. for the prorods or bars running through the columnar by the cog-wheel, Q, fastened to the shaft, O, is being rapidly completed. The abutments motion of the enterprise, and calls upon the part of the frame of a "Washington" or in fig. 1, on the lower end of which the wheel, or pillars on which the wire ropes are drawn, corporation of Toronto to come forward with "Smith" press. The levers, G, below the R, is located. A band runs from this wheel £100,000, which is the balance needed to are nearly finished on the British side. The bed, are moved by the levers, H, shown in fig. to the stationary wheel, J, which being much 2, which are worked as the large wheel re- larger in diameter, renders the distribution of bridge occupies a commanding point upon the make up the £500,000 necessary to insure the volves by the cams a a, fastened to the beams, the ink perfect. The letter, Yy (fig. 3,) shows river, and from it is presented one of the completion of the whole line. Towards this M M; these beams, which raise the cams a portion of the forked-arm, in which the ink- grandest and most picturesque natural scenes subscription solicited from the corporation, slightly above the upper edge of the rim of ing rollers are placed. The upper ends of the upon the globe. Mr. Serrell, C.E., of this city, several of the most wealthy citizens of Toronthe engineer who is erecting this structure. to have already contributed about £13,500. the large wheel, are firmly bolted to the floor escillating rods, N N, and of the braces, T T,



This improved Printing Press is the inven- |" bed" to the shaft, and containing the distion of Mr. Mervin Davis, a practical and intributing rollers, &c. The same letters refer to described parts. W and U, fig. 1, represent genious' printer, formerly of Boston, but now residing at No. 150 Fulton street, this city. the floor and ceiling of a room; F is a strong The main principle of this invention is to iron shaft, extending from the floor to the ceilprint on a plane not a curved surface, and yet ing, the lower end working in a step, X, the upper, in the box, Y. On the lower part of combine a rotary principle. The rotary printhis shaft is fitted a strong iron wheel, four or ciple here combined, however, is horizontal, not vertical circular, and the bed is a plane. five times the width of the bed in diameter. It is well known that what is called " good On the rim of this wheel (a segment of which, n, shown in fig. 2, is cast of sufficient strength printing" cannot be performed on rotary cylinder presses, but a far greater speed is obto resist the strain upon it) rest the imprestained on them, -hence, for newspapers and sion levers, G, and the bed (E, fig. 1.) The other quick work, they stand pre-eminent. rods, T T, are intended to brace the bed. The This press is intended to combine a greater opposite side is made heavy enough, as shown in fig. 2, to balance the weight of the bed, amount of speed than any which now prints platen, levers, &c., so that the press will run on a plane surface.

Figure 1 is a side view, figure 2 is a view steadily. The platen, C, is supported by an from above, and figure 3 represents a portion arm running from the shaft, braced by the of the press running from the under part of the rod, S, figure 1. The rods, N N, running



are shown in this figure. The dotted lines show the location of the bed, and the letters, P P, are the holes through which the sliding rods of the bed run.

The sheet-catchers, A A, (fig. 1) are held in the frames, VV, which are connected at the top and at the lower end of the large shaft. These frames have a reciprocating motion, being caught alternately at the points, I I, by the spring, i, (fig. 2), and moving with the large wheel until the sheet receives an impression, when they return to their original positions. The springs, B B, then give the sheetcatchers a semi-revolution, throwing off the printed sheet and throwing on a blank one simultaneously. C C are sheet-flyers; W W, (fig. 2) are prongs, which disengage the frames, V V, after the sheet has received an impression. The large wheel is driven by the band, B.

## To Imitate Rose Wood.

Take half a pound of logwood, boil it with three pints of water till it is of a very dark red. to which add about half an ounce of salt of tartar; and, when boiling hot, stain your wood with two or three coats, taking care that it is nearly dry between each; then, with a stiff flat brush, such as you use for graining, make streaks with a very deep black stain, which, if carefully executed, will be very near the appearance of dark rosewood,

The following is another method: Stain your wood all over with a black stain, and when dry, with a brush as above, dipped in the brightening ligeld, form red veins in imitation of the grain of rosewood; which will produce, when well managed, a beautiful effect.

A handy brush for the purpose of veining may be made by taking a flat brush, such as you use for varnishing, and cutting the sharp points off the hairs, and making the edge irregular; by cutting out a few hairs here and there, you will have a tool which, without any trouble, will imitate the grain with great accuracy.

### To Imitate Black Rosewood.

The work must be grounded black; after which take some red lead well ground, and mixed up as before directed, which lay on with a flat stiff brush, in imitation of the streaks in the wood; then take a small quantity of lake, ground fine, and mix it with brown spirit-varnish, carefully observing not to have more color in it than will just tinge the varnish; but should it happen, on trial, to be still too red, you may easily assist it with a