

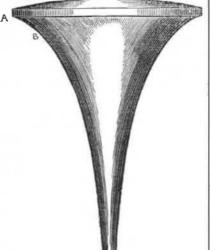
on the track ready to run, weighs about fortythree tons-is over 800 horse power. It was built in the shop of the Baldwins, in Philadelphia, under the superintendence of Mr. A Cathcart, with five cylinders, and is intended for this end of the road. We are told this engine is called the John Brough, on account of its great weight and for the great amount of business it is capable of doing.

Whom We Trust Our Lives To. The report of the committee of the National Convention, recently in session at Cincinnati, mentions that the medical schools in our coun try are too many, the students too numerous, the professors too few and incapable, the quantity of instruction too limited, the quality too superficial, and the preparatory training insufficient. Yet are our lives entrusted to the persons who are pronounced capable after this kind of instruction.

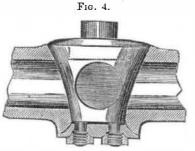
Missouri Pacific Railway.

James P. Kirkwood, Esq., late Superinten dant of the New York and Erie Railroad, has been appointed Chief Engineer of this Railthe smaller end, because every point of the former has a larger frictional traverse than any point in the latter. To lessen this evil, the plug is made nearly cylindrical, but the evil attending this form is that a little pressure

FIG. 3.



In figure 1 A is a small modern slide to which the rod B is adjusted by a pin C. D is a drawing pen affixed to a slide which can be moved upon the rod B to the proper distance for the curved required, and is kept in that end in a vertical position, by a spring which fits a groove. This direction of the sharp edge of the pen, D, is in a straight line to the pin, C. E is a ruler, along the edge of which the slide, A, is to be drawn. If the slide, A, and the rod, B, are so placed that the pin, C, shall be



at F, the pen at D, and the point at G; the of camphor; handsful of fresh hops; cedar centre line of the rod, B, will then be over the shavings, and above all fat pine wood sha-G F, at right angles with the dotlotted line. ted lines, L N, (representing the axis of the curve to be drawn,) and if the slide, A, be then guided along the edge of the ruler, E, the pin, C will move along the dotted line, N, dragging, as it were, the pen, D, after it, which preferable to all others, for keeping cloths will describe the curved line, G H M O. F G, L H, M N, represent some of the tangents-the main features and principle of this curve be-

smoking. Straw must always be wet when it is braided, to prevent its breaking. An inge nious person can learn to braid or plait straw by taking a piece of old braid, and wet it, and pick it to pieces, and then braid it again .-When the straw hats are dry, after being cleaned, they are sized with size made of clean parchment parings boiled in water, and then hung out to dry ; and are afterwards pressed with clean damp clothes and hot irons, on blocks which fit them to the desired shape.

Woolens and Furs.

Many persons suppose that the best way to prevent moths from getting into woolens or furs, is occasionally through the summer to hang these articles in the sun and rain. This is a great mistake, as it is by such exposure that the moths are most likely to get into them. On the contrary, in the spring, when the season is over for furs and woolens, they should be well shaken and brushed, and then wrapped up tightly in linen, laying among them lumps

vings, allof which are preventives to moths the camphor is by far the best for furs. All woolens, &c., should be kept during the summer unopened, in dark dry places such as drawers or large chests. Cedar presses are or other woolen articles. Hair trunks rarely fail to introduce moths. The month of June is the best time to put away flannels.

road. He is a skilful, able and experienced engineer. Chas. Minot, Esq., formerly superintendent of the Boston and Maine Railroad has been chosen to fill the place of Mr. Kirkwood on the N.Y. and Erie R. R.

The Auburn and Rochester Railroad formerly consisting of two corporations but connected together, have consolidated themselves into one corporate body.

The direct railroad communication between New York and Boston, by way of New Haven and Springfield, is drawing so largely upon the

binds the plug in its socket, and very little wear causes the plug to sink considerably, hence the plugs and shells have to be made long and heavy. As the friction of a plug and its socket divides itself in such a manner that the product of the pressure multiplied by the length of way, is the same for any point in the rubbing surfaces, so the length of way being different in different parts, the pressure

ing one, as shown in fig. 3, and the revolution of the curve drawn by the instrument, fig. 1, As you would save the strength and wind must differ also-being greatest at the smallest round its axis, L N, produces fig. 3, which has of a horse, drive slow up hill; and as you vaa surface with an equality of all its tangents | lue your own and the life of the horse, drive end: and as the largest end must be tight as slow down hill. But on level ground, if you well as any other part, the wear of the smallest drawn from the curved surface to its axis,-Stonington route that the managers of that part is obvious. The inventor Mr. Schiele, hence the use of the instrument, fig. 1. That must drive fast, draw a taut rein, and "let line are to reduce the fare from \$4 to \$2,50. who is now residing in Manchester, England, the curve thus generated will produce the re- him slide."