

"The work is rapidly progressing from Troy to Hoosac; and the heaviest of the grading is nearly finished from Adams to Pownal. If all the stockholders meet their assessments promptly, so that there be no delay on that account, the cars will run from Adams to Troy by the 1st of January, 1852."

A

Coal Fields of Pennsylvania.

9 1

Mr. McGinnes, an able mining engineer, of Pottsville, Pa., has asserted and advanced the theory long ago, that under the red ash coal seams, the large white ash coal seams would be found at workable depths. This theory has been demonstrated lately by boring. The Schuylkill coal basin is now held to be three times more valuable than it was a short time

ago.

F

A False Island.



B

die, which is of suitable form on its under side to hold the spike secure upon the table while the header is made to act upon it; it slides in guides, r, and is brought down upon the spike at a suitable time, and held down by means of a bent lever, R, having its fulcrum on the pin, p; one end of this lever is inserted in a suitable recess in the die, and the other end bears upon the cam, E, being held against it by a

the wrist, f, of the crank, D, and to an arm

or lever, M, on its own socket. N is the head-

er, which is attached by a pin, o, to a lever

frame, O, hung on a stationary pin or centre,

p, secured in the frame; it works through a

guide, q, in the frame, and receives the necessary motion at the proper time through a rod,

P, connecting the lever frame, O, with the vi-

brating shear arm, K. Q is the bolding down

spring, S. An island has been placed on the charts in angles to the face of the table and the motion | the head of the spike or nail. A A is the fralat. 330 19' N., Ion. 420 39' W., which, Capt. of the carrier. By a suitable movement, this ming; B is the stationary table consisting of W. G. Currier says, is not to be found. He die is then brought down upon it to hold it a plate of metal of the form of a segment of has sailed over the island on the nautical while a heading tool moving nearly in a line a circle, a little larger than a semi-circle; it any convenient means, in the direction of the charts twice. No island was ever seen there, with the spike is made to act upon and form has a projecting rim standing up from its face

The operation of the machine is as follows: -Rotary motion is given to the shaft, C, by [Continued on the Fourth Page.]

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