HAZZARDS GAZETTE, MAY III.

SAME IN BELLEVIAL BELLEVIAL

andence of the New York T

ATMOSPHERIC POST.

(Corespondence of the New York T
An "Atmospheric Telegraph, queerly misnamed, is now on ex one of the lobby rooms of the lexchange. Mr. Richardson appearand to offer something to the purpossists to be generally benefit invention, if indeed it is his, which qualified to decide, is merely a mof the atmospheric railway, which instead of propelling by atmospheric a train of cars over a long mail bag is to be propelled through this latter service the atmospheric undoubtedly adequate, as will any one who will carefully of nature.

Let me explain a little for the

is undoubtedly adequate, as will any one who will carefully on a ture.

Let me explain a little for the your readers who are not engine pose that a cylindrical pump 36 diameter, with a 48 inch strok nected with a pipe 12 inches in di 36 feet long. The capacities and the cylinder will be equipiston then be raised from the be cylinder to the top, the air in thave to expand to double its shooth the pipe and the cylinder, the pressure without is a whole a or 15 lbs. to the square inch, it within is only half an atmosphere As the pipe is nearly level, the from friction is nearly all that overcome by the propulsion, and cly a mail of 20,000 half-ounce le be propelled by such a force stantly, with enormous velocity. In fact, be shot forward a hur in a very few minutes, and then equilibrium being restored, a would commence, which would destroy its momentum. If, inst pump, many should be employ in exhausting the supposed 20 pipe, it is plain that the work min a single hour or less. Or horse power of steam, acting points, would undoubtedly be hour to produce a propelling forcing much nearer to a whole a leaving, indeed, only air enough to answer the important purpose ing spring or cushion at the rem as to prevent the mail from bein or reduced to a homogeneous panded an arrival.

So far as the mail itself is co sudden arrival. So far as the mail itself is co

So far as the mail itself is co will probably cost less tractive for it bodily through a pipe of propose, than to drag it with its p locometive apparatus over a rail amount of horse-power which a given time, drag it hence to would in the same time exhaus sufficient bore to enable atmost sure to put it through in ten minutes. Multiplying the horse plied to the exhaustion will red consumed in the same proportic this way we may have hourly me hourly, with no greater expense them than at present. As to the tear, that is another matter. 'on the bags might be a little in on the bags might be a little than at present, yet I think the may be reduced to a trifle. As constantly in contact with col heat from the friction will be abo ly as fast as it is generated, s little danger that the mail will to The apparatus, on a small a Mr. Richardson shows at the E very ingeniously constructed, prettily. But, of course, no manutive can demonstrate the feas operation, in large. Neither periment of a mile of pipe, three demonstrates are periment of a mile of pipe, three demonstrates are sent and the sent are sent are sent and the sent are sent diameter, which was such diameter, which was success
operation on the line of the
Railroad, amount to a demonstra
experiments, however, show th
the force; how the aerial ter
harnessed, and what are its got
the mail service.

the mail service.

Practical difficulties will de encountered when a grand ma which subscription books are to directly) comes to be laid do this village and your metropol correspondent. I have a prese I shall live to send my hasty sen it, and that The Tribune cont will be received and be circulati in less than an hour from the. Whether the General Govern always has to be impelled a with "sharp sticks" for a long it will adopt the most obvious I will patronize the new rapid veto on its use for private mail question to be settled. If the case of the large experiment al confident expectations, it wis course, in time, that the federa must adopt it for all importan break down before private. The next step will be to enquerous as well as papers sha through this new channel of The physical properties of air refer particularly to its admir and elasticity, that it is not imake arrangements by which or reporter, having hean suit in Now-York, after his evenit has been put to press, may a the next morning to the rising Francisco, alive and kicking.

ONE OF COOK'S YOUAGES,-