## \&inince mud Art.

## Martyr of Science

Alexandre Tinconi, fifty years of age, ori ginally from Constantinople, and a man of let ters, was recently found dead in Paris, in the modest lodgings which he occupied. It wa proved beyond doubt that he had died of starvation. It was not want, however, that put an end to his existence, for at the time of his death he enjoyed a very considerable income but, absorbed by his love of science, he forgo that man has a body no less than a soul to provide for, and would pass whole days together without taking food
His dead body was foundextended on a pile of books and manuscripts in every known language under the sun. His lodgings were full of them, and in some of the rooms this babel of literature touched the ceiling.
He spoke twelve languages, and was well skilled in many more. He had filled the highest posts of honor; rank and wealth were his, but he had renounced everything from pure love of science. The state of disorder in which his rooms were found is indescribable. As for his personal appearance, it was wors yet. His body was completely emaciated. In the lodgings of the deceased were found a great number of rare and curious objects among the objects most worthy of note was a complete collection of autographs ot all the most distinguished wits, savans, and men o letters in Europe.

Resisiance to Emprovemenk.
The following from Archbishop Whateley's Annotations on Bacon's Essays, is a rich lit erary and scientific gem.
"It was the physicians of the higheststanding that most opposed Harvey. It was the most experienced navigators that opposed Columbus' views. It was those most conver sant with the management of the Post Office that were the last to approve of the plan of the uniform penny postage. For the greater any one's experience and skill in his own department, and the more he is entitled to the def.rence which is proverbially due to each man in his own province, the more likely, in deed, he will be to be a good judge of im provements in details, or even to introduc them himself : but the more unlikely to give a fair hearing to any proposed radical change An experienced stage coachman is likely to be a good judge of all that relates to turnpik roads and coach horses; but you should not consult him about railroads and steam-car riages. Again, every one knows how slowly and with what difficulty farmers are prevailed on to adopt any new system of husbandry, even when the faults of an old established usage, and the advantage of a change can be made evident to the senses."
improved Hay Ratce.
Our engraving illustrates an ingenious im provement for which letters patent were grant ed to Nathan Martz, of Briar Creek Township, Pa., Feb. 26, 1856.
The rake is applied to a carriage which is composed of two wheels, A A, revolving upon an axletree, $B$. Near the wheels and on the axletree are two brackets, D D, in which a rocking shaft, E, vibrates upon its trunnions. The rocking shaft, E, which with its additional contrivances constitutes the principal feature of the improvement, is made of wrought iron, and of such a sectional size as to resist the strains of torsion, to the action of which it is submitted.
Each wire-tine, T, of the rake is separately and tirmly fastened to the rocking shaft, E, by suitable means, such as by welding, for instance. Between the last two tines and near the extremity of the shaft, coil spring, $S$, is applied, which, being fastened at one extremity to the shaft, E , and at the other to the axle tree, $B$, has a tendency to keep the rake verti cally down upon the ground, supplying thus the necessity of heavy and clumsy implements for the performance of the intended work, saving a considerable amount of power lost (dead weight) and affording greater facilitiesfor the adaptation to the inequalities of the ground. On the right hand side (facing front towards the horse) and near to the coil spring, $S$, is a

hand lever, H, operating the rocking shaft, $\mathrm{E}, \mid \mathrm{H}$, will raise from the ground, and disencumber by the right hand of the driver seated on the it of the hay or stubble it may have gathered. Should the hand of the operator be engaged, he can easily work the rake by applying pres | management of the rake is very easy, and a | sure with his foot upon the lever, L. That le- |
| :--- | :--- |
| very slight lifting power applied to the handle, | ver is not attached to the rocking shaft di- | very slight lifting power applied to the handle, ver is not attached

IMPROVED HAY RAKE.

ectly, but is connected thereto by means of a axletree, or nearly so, in order to give stability chain link, M. The lever, L, balances over a to the apparatus, to decrease the resistance to supporting pin in the upright bracket, 0 .
the horse, and to afford the greatest facilities pleted by that of the seat for the driver, ar- For further information address the patentee anged in such a manner that the center of as above, or J. A. Knight \& Co., No. 334 gravity of the operator may pass through the Broadway, N. Y.

NOVEL MILKING APPARATUS.


Contrivance for Milking Cows.
Our engraving shows a novel arrangement of mechanism, intended for the assistance of dairy maids and others, who milk cows. The milking is done by means of a crank attached to a shaft, on which there are four elastic arms, of steel, the ends of which are furnished
side of the ring within which the rollers, $A$ move, there is an elastic pocket, $B$, into which the animal's teat is placed. The back of this pocket is stiff, so that when the rollers, A, revolve, they will come in contact with the front part of the pocket and press it, with the tea, against the back part. The teat thus pressed
through the pocket, and through the hollow case of the instrument into a tube, C , and thence into the milk pail. Nothing can ex ceed the simplicity of this device. Its size is convenient, and its cost not great. The in ventorthinks that cows may be milked much quicker by this contrivance than by hand. Neither the hand of the operator nor the teats of the cow are liable to be made sore, as they are when the pressure of the hand is continually applied. If desirable the instrument may be made with two pockets, so as to milk two teats at a time. The inventor of this improve ment is Mr. H. A. Reeves, of Williamson Wayne Co., N. Y., from whom further infor mation can be obtained.
We would suggest an improvement to this invention, to wit:-The attachment of a music box to be operated by the main shaft, in such a way as to discourse sweet melody during the delivery of the milk. Few animals ar insensible to the charms of music, and even in sects are said to lead a willing ear. Under its fascinating influence the old cow may be expected to stand perfectly still, while the flies forgetting to bite, will buzz around with joy

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TWELFTH YEAR

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