## Rotary Steam tingines.

The reasons why rotary engines have never come into general use, are, that all that have been heretofore invented have labored under one of these two difficulties:-
First-Those that have been been built on the velocity principle, that is, deriving their power from the velocity or momentum of a jet of steam acting upon arms or buckets on the periphery of a wheel, have net had sufficient power to make them of practical utility
Second-Those that have been built on the expansive power principle, deriving their power from the expansive force of steam and constructed as to run with equal ease both constructed as to run with equal ease both :
ways, besides being complicated, weighty and cumbrous, and consequently incurring a great deal of friction, and inore expense.
From the above positions it would appear that the great desideratum is to construct an engine, not on the velocity principle, but on the expansive power principle, with a rotary movement, fixed to run with equal ease both ways and coinbining the other advantages of lightness, simplicity and convenience, consequently less friction, less expense, and still having the same or more power. This great end has been accomplished in the rotary engine invented by the Messrs Schnebly. The engine wesaw was at the foundry of Dunham \& Browning, in North Moore street, this city It needs a plate to be minutely described on paper. It only consists of a cast iron drum, in the bea in the top of which the steam is inducted and educted, and within which drum is a cylinder a few inches less in diameter than the drum, with two arms or pistons projecting from its periphery closing up alternately the passage between it (the cylinder,) and the drum, and on which pistons thesteam alternately acts with all its force, and so fixed as to recede (and allow the steam to escape,) while passing under the head above spoken of. The shaft passes through the centre of the whole. The head on the top of the drum, has two passages. When the engine is running one way, the steam is inducted through one passage and educted through the other, after having dore its work; and on shifting the sliding valve over the two passages, the reverse motion is produced, and the induction and eduction is also reversed through the same passages.
Now it is unversally known that the power of the lever (the fulcrum and resistance remaining the same,) is in proportion to its length and the power applied. This engine operates on the principle of the simple lever, and it continually uses the lever to the best advantage. The resistance and fulcrum being at one extremity and the power at the other, not acting as in the piston engine, at nearly all the angles between a straight line and a right angle, but at the same and nearly a right angle constantly, thus producing a perfectly uniform motion. It is idle to speak further of the engine; those interested should go and investigate for themselves.
J. K. V. S.
[We cannot endorse all that has been said in reference to this engine in the above communication, although every sentence may be correct. But it is not for us to make dogmatical assertions relative to any invention, rntıl by continued and fair experiment all doubts are removed. Rotary engines undoubtedly occupy less room than either the parallel or horizontal, but in claiming a thirty horse power for a cylinder of 12 horse power dimensions, as has been done for this engine, we must candidly say that we cannot see how this is possible، $3-$ Es

Fumxas
Although we cannot tell what a day may bring forth, it is alwavs prudent to prepare for the future. As the ant prepareth herself for winter, so should man make provision for coming events and especially those events which cast their shadows before. The cholera ts in Russia, and it will andoubtedly reach our shores next year, and although it is said to be less virulent and fatal than when it ravaged Europe in 1831-'32, yet we ought to be no less heedless of it on that account. The following method of fumigation should
be resorted to on the cery first appearance of be resorted to on the ery first appearance of
it, and every hoase an an infected district
should be fumigated three times a day. To do this effectually, a mixture of three parts of common salt and one of black oxide
of manganese, should be placed just inside the outer or street door of every dwelling house, and a little common vitriol poured upon it.The inward current of air will convey the chlorine gas to every part of the interior, and and wherever it can be smelt the effect is produced-the miasm is destroyed. If articles of clothing are infected, and the colors likely to be injured by the gas, they may be heated in an oven or on a kiln to 250 or 300 degrees (about the heat of baking bread,) when they might be handled or used with perfect impunity.

## interesting to Scuiptors.

The Boston Transcaipt kas a letter from Powers, the sculptor, giving an account of a marble quarry, just opened, about thirty miles from Leghorn. The quarry appears to have been worked in ancient times, possibly by the Etrurians, and some chisels and picks have been found there, which closely resemble those now in use. Mr. Powers says: "The those now in use. Mr. Powers says : "The
sea is in sight of the quarry, at about a mile distance, and so easy and even is the ascent, that we drove over the ground at a full gal lop. The road to the quarry from Leghorn is along the sea shore, and is a pleasant ride or only five or six hours. I intend to make the statue of Mr. Calhoun out of this marble, and it will be, perhaps, the first full sized statue made of it in two thousand years. I am now making a bust of Washington from this marble somewhat larger than life, by way ti experiment. It is nearly blocked out, and I am satisfied already, that the effect will be all that could be wished. It is singular that the owner of the quarry is a Greek, who has found the marble supposed to be peculiar to his own country, here in Tuscany. He can afford this marble for less than one half the price of Carrara, on account of the great ease and small expense of excavatirg and taking it to the sea shore. The marble has a rich warm color so desirable in statues and busts, and it is most beautiful in columns, mantel pieces and the like. The grain is coarse like the Parian, but it works smonthly and takes a high polish."

## The Wife.

It needs no guilt to break a husband's heart the absence of content, the mutterings of spleen, the untidy dress, and cheerless home these and crime among them, have harrowed to the quick the heart's core, of many a man, and planted there beyond the reach of any cure, the germ of the most excruciating despair.-
Oh! may woman, before that sight arrives, Oh! may woman, before that sight arrives,
dwell on the recollections of her youth, and cherishing the dear idea of that tuneful time, awake and keep alive the promises she then so kindly gave And though she may be the iujured, not the injuring one-the forgotten not the forgetting wife-a happy allusion to the hour of peaceful love-a kindly welcome to a comfortable home-a smile of love to banish hostile words-a kiss of peace to pardon all the fast, and the hardest heart that ever locked itself within the breast of selfish man, would soften to her charms, and bid her live, as she had hoped, her years in matchless bliss loved, loving, and content-the soother of the sorrowing hour,-the source of comfort ard the spring of joy

## Books.

In the best books great men talk to us, and give us their most precious thoughts. Books are true levellers. Thev give to all who will are true levellers. Thev give to all who will
faithfully use them the society, and the pre:ence of the best and greatest of our race. No matter how poor I am, no matter though the prosperous of my time, will not enter ary
obscure dwelling. It learned men and poes enter and take up their abode under my roff -if Milton will cross my threshold to sing :o me of Paradise; and Shakspeare open to me the worlds of imagination, and the workings of the human heart; and Franklin enrich re with his practical wisdo $\dot{m}-I$ shall not pine for Want of intellectual companionship, and may become a cultivated man, though excla ded from what is called the best society in be place where I live,

When Jecquar, the inventor oit
When Jecquar, the inventor of the wonderful loom that bears his name, was arrested and carried to Paris with his machine, Carnot, in the presence of Napoleon, rougbly said to him. "Are you the man that pretends to do that impossibility-to tie a knot in a stretched line?" His compatriots of Ly-ons,--the impossibility being surmountedbroke his machine in 1806, and raised a stat ue to his memory in 1840. All those who
are in advance of public opinion must bear are in advance of public opinion must bear
ridicule or prosecution. In 1825 the Quarterly Review thus ridiculed the notion of certan engineers, Telford among the number, that a railway engine could go eighteen or twenty miles an hour.-" The gross exaggerations of the power.s of the locomotive steam engine, or to speak English, the steam carriage, may delude for a time, but must end in the mortification of those concerned.

We should as soon
exmect the people of Woolwich to sutler themselves to be fired off upon one of Congreve's Ricohet rockets as trust themselves to the mercy of such a machine going at such a rate."
In that year the common belief was that railways were altogether delusions end impositions. The Liverpool and Manchester railway was opposed in parliament with every form of invective. One member in 1825 , declared his opimon "that a railway could not enter into a successful competition with a canal. Even with the locomotive engine, the rate would not be but 31.2 miles per hour which was slower than the canal conveyance. Another assertion which Mr. Huskisson was obliged to meet doubtfully and apologetically was "that there were two or thee canals, which were sufficient for every purpose r! commerce in the district through which the ailroad was to pass. Let us be just to what we have been accustomed to decry as the dark ages. Let us be tolerant to those who imprisoned Gallileo, and rewarded Columbus wath chains. If there be a reality in any dis-covery-a true thing and not a sham; if there be strength, or utility, or beauty in any work of the mind, it will live and fructify, whatever critics or orators, or even kings may do to crush it. And so with railways. On 15th September, 1830, the inst passenger line, the Liverpool and Manchester Railway, was opened. The conveyance of passengers ap pears originally to have been an interior consideration to the conveyance of goods; and the Directors modestly anticipated that onehalf of the passengers travelling by coaches between the towns might venture on the railway. In the first yearafter the opening there were conveyed 445,000 passengers; in the year ending 1st July, 1845, the passengers so conveyed amounted to 896,003. Or the 24th April, 1817, there had been a total expended on the railways of the United Kingdom, of 7800,000 pounds sterling; and the aggregate eceipts are a total exceeding $£ 8,000,000$ per annum for the conveyauce of passengers and goods-being the enormous sum of $38,800,000$ per annum.

## Manufactures In Russia

A late London Letter published in the Na tional Intelligencer, says:
Mr. Cobden's late visit to the annual Rus. sian Fair, at Nishnell Novogorcd, has revealed striking facts with respect to Russian manufactures. The great variety of articles which were exposed for sale, and the admirable order which was maintained at the exchange of goods, very much exceeded his expectation. Mr Cobden visited several of the manulactuing districts in Russia, where he was much urprised and gratifled with the industry and skill of the workmen, principally native peaants, At Woohna he found silk goods manufactured in a very good style to an extent of several hundred thousarid roubles annually. At Moscow several manufactures excited his astonishment and admiration. Mr. C. is said to have pronounced the calico printing mills of M. Gutschkow one of the most perfect he had ever seen in its organization. In another establishment, that of M Procherow, the care bestowed upon the heallib, morals, and ustruction of the children employed was ve-
ry gratifying. The mills in Moscow appea to be conducted with greats killand order, and
witi a very admiratle combination of the varows divisions of the manufactory. Cloth weaving appears to be in a very favorable, in fact, in a very advanced state in Russia, and many circurstances combine to bring this branch of industry to the highest perfection It has long been known that the manufacturers of England had many powerful and skilful rivals on the Continent, but She has no hitherto expected to find them in Russia.

## A Turkish Dean Swift.

Nasreddin, the Joe Millerof Turkish story it is recorded, once being at a mosque, was moved by the spirit of (drollery) to step into the pulpit and look down upon the spirituously an-hungered audience: " 0 true believers." said he, "do you know what I am going to say to you?" "No" was the general response. "Then I will not waste my words on so stupid a rabble," said the extempore, D, D. and coming straightway down in high dudgeon went his way. On a second occasion, he re newed his experiment, and his inquiry, and the audience, moved by their previous disap pointment, replied, " Yes." "O well!" said the Doctor, since you know, there's no use in my telling you, and again he made his exit A third time he mountec the pulpit, and made his inquiry, and the audience resolved not to be baffied again, replied "Some of us know, and some don't know." "Well said he with great coolness, "let those who know, tell those who don't know."-and again girded up his loins and vanished in silence.

## A New Lever.

There was a little old woman in the city of Glasgow, who much admired Dr. Chalmers, and diligently attended ali his sermons, on Sundny, and week days, whether they were doctrinal or practical, theological, or astronomical. One day she came home in great perplexity. Dr. Chalmers had dwelt much upon a"moral lever," with which he wished to uplift human nature. What a "moral level" was, the old woman could notdivine. A friend took the poker, and placed it on the bar of the grate, trying to realize the idea, and make the imagery palpable. The old. woman paused $\rightarrow$ mused-and at last the fire burned. She bethought of the indıgnity of the pulpit, the subject, the doctor, and her* self, by so great a materialization of the mo. ral lever, and bursting with indignation, she asked; "Do you mean to tell me that Dr. Chalmers would preach a hale hour about a poker,"

An Ornamental Nose.
On a fish-woman's stand in front ofthe mar ket, Boston, last season, a few live lobsters were exposed for sale. A stranger unacquainted 'vith icthiology, came along-and turning over the dormant animals, asked the price, and at the same time raising one of them to a close proximity with his nose. " Whew!" said the fellow-"I will hev you prosecuted, mum-it smells!"-At this instant, the lobsters claw closing with a " whack" fasteneal it upon the gentleman's nose. The old woman placed her arms akimbo in triumph-and simply asked the gentleman, who smells now mister ?"

## Haunted Honses.

Mr. Hoynter states that at a parsonage in the County of Kent. England, known to him, a knocking was heard at certin times ani could not be explained, and obtained for the house the reputation of being haunted, but was found to be caused by a baker at the o: posite end of the village chopping wond.The sound, it was thought, was prode ced by an old well opposite the parso age. Mr. J. A. Pictous, of Liverpool, ins anced a case where similar sounds heard in house, were found to proceed from a strean. let at a very considerable distance, and $n$ audible elsewhere.
The total liabilities of all the houses th : have recently failed in England are said to 1 one hundred and seventeen millions and half of dollars. Of this amount at least or hundred and five millions of dollars belong to the United Kingdom,
Five years after the opening of the grav" yard of Houston, Texas, it contained $501 ;$ graves. At the same time the populatis
of the city amounted to 5000 .

