Scientific American.

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Grand Supper.--- The New York Sun Printing Press.

We were fortunate in being at the splendid Complimentary Dinner given to Col. R. M. Hee, by the enterprising proprietors of the New York Sun, on the evening of the 29th judge, comparatively at least, unless he be acult. We intended to have had our article on the subject in the Scientific American of last week, but by an oversight, and a great one, it | nagement of both the Cunard and Collins' was not; our great press of matter alone must plead our excuse.

The Dinner was given at the Astor House, Mr. M. S. Beach presiding in a most able manner, and Mr. Alfred Beach doing other honors with ease and grace. In every sense of the word, the dinner was a most spleudid one; Mr. Beach made a neat introductory speech, and Col. R. M. Hoe replied. Mr. James, the distinguished novelist, made a few happy remarks, so did Major Noah ; also Rev. Messrs. Beecher, Thompson, and Chapin. A number of very good remarks were made during the evening. C. M. Keller replied to a toast respecting Prof. Morse's invention, and stated that his own countrymen had disputed his claims. The allusion was rather out of place. and Mr. H. O'Reilly, who was near him, felt it deeply. When he arose he spoke feelingly upon the subject, and went over a history of his telegraphic operations. Some of his statements were incorrect, or his words conveyed different ideas from those he, wished to convey. He was understood to say that no New York merchant could be found, in 1845, to subscribe to a line of telegraph, and the first was subscribed by Mr. Swain, of the Philadelphia Ledger. This was not so : the New York and Philadelphia line was constructed by New York merchants, and this was the first line constructed by private enterprise. Great credit is due to Mr. Swain for what he did for another line; but Dr. Doane, of New Jersey, Mr. Norton, of this city, and a few others, were the leading minds of the first line. This flash at the supper, however, between Mr. Keller and Mr. O'Reilly, passed off smoothly. Quite a number of eminent authors and editors were present, and the Messrs. Beach deserve high praise for bringing such minds so agreeably into contact.

American inventions were deservedly comof the human mind—a high strike for making the interior of the beilers of our ocean steamwilling and ready to do any reasonable service plimented, and although we were not called a good bargain-is evil, and evil only. No ers, during one passage between New York in that line, according to our practice-for one can limit its consequences. It begins with upon for a speech, not being very gifted that and Liverpool, and the evil of this is far a respectable draw for a "would-be good picthis, no doubt, assists us in business. We way, no one there responded so heartily to the greater in tubular than it can be in any other make this confession candidly, but we do tributes paid to Mr. Hoe's perseverance and ture," and ends with the secret gambling taboiler. It is very difficult to maintain the feed not wish the public, nor any one of our subgenius than ourselves, and none, perhaps, were ble. of tubular boilers at a uniform height, owing scribers to understand, that we make a prac-We speak against these practices, combatbetter accuainted with the general history of to the smaller quantity of water in them than tice of over-charging for patent business our national inventions. Improvements in ting with a principle, for we care not how fair in the common boilers; the only remedy is either to pay for E. P.'s unpatentable examithe Printing Press claim our admiration and these schemes are said to be conducted-they carefulness on the part of the engineers-when gratitude. It has been well observed by an nations, or those of any other person. We are founded in evil, and we cannot expect pure this is wanting then there is danger. There charge for every specification a price based eloquent writer, "if a planet was blotted out waters from a turbid fountain. can be no doubt but the Collins' Mail Line are upon the labor and skill required to execute it, from our system, its place could be well supthe fastest steamships we have, but our rivals plied by a Printing Press." Col. Hoe, not conand no more. Our prices are reasonable-in Attention, Patentees. can do better than they have yet shown us, fact quite low, because we have a great deal tent, it would seem, with comparing the print-MESSRS. EDITORS-As I am a subscriber of and it is right we should all know it. A of business, and we are not guided by the old ing press to a planet, comes along with his your valuable paper, and you are willing, as steamship, making an average of fifteen knots Great Rotary, and hoes out Suns at the rate of lawyer's rule, of making one day's work pay far as you can, to give information respecting an hour, would go to Liverpool in eight days for the next day's idleness. The skill, talent, 20.000 an hour. No wonder all the guests at patents on different improvements, I would ask and a half; not one of the ocean steamers knowledge, patience, and experience requisite the Messrs. Beach' Dinner were more than plaabout a purchase I made, of a patent right on have ever done this, and yet the British Adto execute patent papers, as they should be, is net struck. The newspaper press deserves an article of some value. The patentee, bemiralty, in their conditions with the Holyhead not possessed but by very few. great credit for encouragement to mechanical fore the right expired, put in a disclaimer for Mail steamboats, running between England Every correspondent should be guided by part, and has taken out Letters Patent for that invention, in the way of improvements, and and Ireland, stipulate for an average passage reason in asking information; he should denone so much, we believe, as the New York of which he is the inventor; by this, his paof fifteen knots per hour. There can be no scribe clearly, definitely, and as briefly as pos- | tent is continued for the full term of fourteen Sun-long may its spirited proprietors live to doubt, but almost everything depends on the sible, his objects. The great majority of our reap the deserved rewards of their spirit and years, when his original patent would have exengineers-other things being equal-and our subscribers have the real good sense and genenterprise. The new press of the "Sun" is pired in three years. Purchases were made of engineers, especially in the use of fuel, may tlemanly appreciation of what is right, in this the largest and fastest in the world-this is him before he put in his disclaimer, now, have have yet much to learn. respect, but oftentimes, we own, our feelings something to boast of, assuredly. I a right in the patent last taken out by him It has been established beyond a doubt that are not a little hurt by having such cases as for the fourteen years? Please answer in Our Ocean Steamships and their Boilers. it is very foolish to push through a steamship, the above, especially when our correspondent's your next paper, and oblige A. F. We can always tell who are ignoramuses of on a long passage, by dint of coal. It is a description of his inventions concludes as fol-Lewiston, Pa., Feb. 8, 1851 science and panderers to public feeling, by the fact, that, as the speed of a steamship is in. lows: "If none of the foregoing inventions [Our correspondent, A. F., is in error; no positions they take respecting different ques- creased, the consumption of fuel is increased should prove worth anything, I may perhaps tions. It is human nature to hurrah very about four-fold. If a steamship adds one disclaimer extends a patent a single day betrouble you with a few more not of the same yond its original term. If A. F. has not lost loud at any partial success, then to shower fourth to her maximum speed, by steam pressort." We beseech our correspondent to spare anything by the disclaimer, the patentee has abuse upon any failure. Whenever.we see sure, she will have to consume just double us the infliction. a man or men toadying to such feelings, it is the amount of coal. This is a very important not gained. Let A. F. see to this, his patent very good evidence that "there is something consideration. It is thus very easy to run Norfolk Steamships. may now be of little worth.-[ED. rotten in Denmark." This is the case at pre- short of coal in stormy weather without gain-A bill has been introduced in the Virginia Some of the London Papers give out that sent with our Atlantic steamers. Brawlers ing much advantage in general speed. The Legislature for chartering a company to conthe Crystal Palace will be lighted, during the struct steamships and establish a line of who once boasted the loudest, are now the draught of the funnel-the velocity of heated noisiest in their denunciations. One says the gases, is another important consideration, steamers to run from Norfolk to some point in fair, by the American electrical light. We colling line of vessels are inferior, because about which we are much in the dark, but it Europe.

"Montgomery Boiler;" another blames the using fuel. As we have stated once before, paddles, another the engines, another the it would be well for science if regular regiswhole management, another the build of the ters of the whole workings of ocean steamvessels. Who among them all knows whathe ships were fairly kept and published every six is talking about. The most unlearned in these months or so. Then there would be some things are always trying to show their erudition, and this they do most effectually-to This would lead to the correction of evils, and their own satisfaction, but not to that of oth- no doubt to many valuable improvements. ers. It is not possible for any person to be a quainted with the build of the hulls, their form, the engines, boilers, and the whole masteamers. Now we believe that no one man, -neither an engineer nor other person, here or on the other side of the water, is perfectly informed on all these points. We want facts -facts, not speculations, and until these are furnished, it is best to suspend all definite judgment, excepting upon those points which are prominent and manifest to those who are acquainted with them. As it respects the form of the -CoRins' steamships, the English writers, who have no warm side to the builders of the Cunard line, stated that the Atlantic was far superior to the Asia. Many of our ship captains, to our knowledge, have expressed the same opinion; but even the judgment of these men is not always correct, for we once saw a number of cortificates of sea captains, speaking in the highest terms of certain improvements in life-boats which turned out a most miserable failure. It was generally asserted, that as the Collins' steamships had tubular boilers, they had an advantage over the Cunard line with their flue boilers. This was held up to be a great improve. ment by some English engineers, and a num ber of our own, also, It was stated that these boilers effected, or would effect a great saving of fuel. Whether this is so or not, we cannot tell, for there is an absence of facts, but where there is plenty of boiler-room, we believe that no boiler is like the long cylinder one with return flues. It is the safest and best. For compactness the tubular boiler is best, but then it needs pure water, for it has so many joints that it is difficult to prevent leakage, owing to the expansion and contraction; incrustations are also sure to play the mischief towards the end of a tedious sea voyage. Tubular boilers are peculiarly liable to priming and great danger arises from this cause. A scale of about 1-16th of an inch is formed in

Mr. Collins would not adopt and pay for the has much to do with the general economy of grounds, sure and steadfast, for comparison.

A Wallet Full of Inventions.

GREENCASTLE, Pa., Feb., 1851. GENTS .- I herewith send you nine inventions of my own, and would like to have you examine them and give your opinion upon them; I send you nothing for your trouble, expecting that if I get any of them patented, that you will make enough out of me to pay your trouble. I have a lot more inventions on hand, that are in my mind, but I think this batch will answer for this time. Very respect-E. P. fully, yours,

- No. 1, Car Wheel Brake.
- No. 2, Railroad Signal.
- No. 3, Spark Arrester.
- No. 4, New Mode of Building Vessels.
- No. 5, New Paddle Wheel.
- No. 6, A Cut-off Valve.
- No. 7, Bedstead Fan.
- No. 8, Bedstead Fastening. No. 9, Drying Machine for Grain.
- P. S.—Can you tell me the effect that would

be produced by pumping part air into a steam boiler with the water.

[We publish the above for the purpose of giving a little of an advice. The last question | naturally led to despise what is low in others we shall answer first. The effect produced would be the filling of the boiler with water and air.

We have got through with five of the inventions, and have not yet found any of them patentable. It will be some time before we get through with the others, and if we don't find any of them patentable, we suppose that our correspondent will conclude that we have been well paid for our trouble, for he has made no provision for our labor, excepting we find something patentable, and then, he states, we will make enough out of him to pay for all. How exceedingly generous and considerate ! It would indeed be a new way to pay debts, by making the plowman and sower responsible for their wages on good and bad seasons. In short, if we cannot make our correspondent's articles patentable, then, sirs, you don't deserve any pay for your labor. We are quite

There are many kinds of gambling, but the most wicked kind is that which has a tone of morality and respectability about it, that which has respectable men for its parasites, and mealymouthed moralists for its panders. As a counterfeit coin is the more dangerous the nearer it resembles a genuine one, so is that kind of deception which wears the most honest-looking countenance, and this is the case with your "Art Union Lotteries," for pictures, statues, &c. The success of some "Art Unions" has so fully developed the truth of our premises, that we now have lotteries for furniture in Tripler Hall, accompanied with fine concerts, and for fear that any one should question the morality of such proceedings, why, some of the funds are given in the boundless generosity of the toadying lotterists' hearts to charitable Institutions. A raffle for poultry in a dram shop, a raffle for an old teapot, at an Irish dance, to assist poor Judy Larkins, is virtue itself compared with these respectable gambling lotteries. The greater the amount of intelligence and of respectability there is about any evil, the more heinous that evil is. High and low like to copy after that which is respectable. Vice often becomes fashionable, because practised by those who are termed "honorable and respectable." To throw odium on the character of a drunkard, the Spartans often made their heldts drunk, as a warning to the young patrician race. As it was in days of old, so it is now; human nature is the same all the world over; men are beneath them, while the low themselves palliate their evil practices, by appealing to the same being practiced by the respectable. Oh ! out upon all such respectability. But this is an age of philanthropy. We may be told that Art Unions encourage a taste for the fine arts, and enable many people to possess fine pictures, who otherwise never could. We may also be told that furniture lotteries enable poor people to possess house furniture of a quality far superior to what they ever could otherwise. This is all very fine-robbing Peter to nay Paul. How benevolent the managers of those schemes are. It reminds us strongly of the days when respectable church members used to have their tavern signs decorated with the heads of Calvin, Edwards, Fletcher, John Wesley, and such worthies. All schemes of chance-this catering to that morbid passion

Art Union Lotteries, &c.