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Review of the Proposed Amendments in the Patent Laws.-Important Movements in Congress.

In a recent number of this journal, after commenting upon the origin and the efforts which were being made to press upon Congress the hurried passage of a bill providing for a radical, and, as we believe, highly injudicious alteration of the Patent Laws, we gave it as our opinion that the present regulations were about as satisfactory as any that could be devised, and that no alteration, further that some simple provision to increase the revenue of the Patent Office, was at this time very pressingly required.

Unlike the other revenue systems, it appears that at present the more money the Patent Office receives, the further off it gets from paying its way. In other words, the larger the number of patents applied for, the greater becomes the proportionate expense of examining each case.

This reminds us of the enterprising boy who excused his want of punctuality at school, by saying that the ground was slippery, and that for every forward step he took he slid backwards two.

The object of the Hon. Mr. James' Bill, now before the Senate, is to remedy the above evils and some others, which the present patent system is supposed to contain. Let us examine into the composition of the proposed panacea, and see if it probably contains the healing elements.

It strikes us that the Bill might very properly be described as a series of ingenious projects for squeezing money out of inventors, and with equal ingenuity conveying it into the pockets of patent agents and lawyers. The idea of benefitting and encouraging the inventor seems to have been cast out altogether. Under its humane provisions an inventor, if he be so unfortunate as to get a patent, becomes a legal goose, subject to a most indiscriminate pluckage: it is a Bill which clamors for Money, Money, MONEY, without offering proper return.

The following are specimens of its blessings :-

If an inventor asks for a patent with a specification ending with one claim, he pays for the privilege of asking (not obtaining, mind) the sum of \$20. For additional claims, not exceeding three, \$5 extra for each. For additional claims, beyond three, \$10 extra on each. Therefore the government fees demanded for the mere asking for a patent, in which six claims are necessary (which is very often the case,) amount to \$55. If the application is rejected, and the applicant appeal to the Commissioner, he pays another fee of \$10, making \$65. If he then appeal from the Commissioner to the Judge, he pays another fee of \$25, amounting, in all, to \$90-the whole of which is lost if the application fails. [Under the present law the inventor loses \$10 only of the patent fee if his case is rejected.]

Should the last appeal be successful, and the patent, with its six claims, as described. be accordingly granted, the inventor is called upon before receiving the same, to pay a final fee of \$50, making a sum total of \$140 in official dues, and his patent then lasts only five years. By the payment of another fee of \$100, before this period expires, the patent can be extended for fifteen years longer. This makes the total official fees for the parchment and nominal grant of the patent, \$240, in place of \$30-being an increase of eight hundred per cent. over the present rate. If his patent document, like a telegraph message, exceed a certain number of words in length, the inventor must pay more fees. Should the applicant have been so unfortunate as to claim too much, he can, by paying another fee of \$10, have one of his claims (for the grant of which he had before paid a fee of \$10) stricken off.

graved thereon, and nominally he is a patentee : but to make his patent worth anywhich is to pay a new fee of \$100. This secures to him the desirable privilege of having anybody who is so disposed, come forward and claim the patent as theirs by reason of previous invention. If they bring proof of their priority, our newly fledged patentee is summarily upset—his patent is invalid and he goes to grass with a total loss of everything-time, money and patent. How much he has spent for the hire of lawyers and agents, to defend himself, in addition to the enormous bill of official fees, can better be imagined than named.

If the applicant succeeds in preventing others from destroying his patent, a certificate of "Confirmation" is given by the government, and subsequent patents to others for the same thing are denied.

In order to attack a confirmed patent, the plaintiff must first pay a fee of \$50 to the Patent Office.

Legal proceedings in various forms may now be had to annul the confirmed patent. and it may be kicked about among lawyers and courts, like a shuttle cock between the battle-doors, until the Supreme Court gets a chance at it. The decision of this tribunal is final. If adverse, the patent receives its quietus. If favorable, it is forever confirmed.

Another section of this benevolent Bill authorizes the Commissioners to have 4000 copies of the drawings and specifications of each patent made, for purposes of sale and distribution, at an expense of \$400 for every patent. Last year over 2000 patents were granted, which, if engraved and printed under the above beautiful provision, would permit the Commissioner to expend therefor the sum of eight hundred thousand dollars.

Another clause appoints an Assistant Commissioner to attend to most of the duties now performed by the Commissioner-thus rendering the Chief's office almost a sinecure. The Commissioners salary is also raised to \$4,500 a year. The number of employees in the department is also increased.

The foregoing is but a brief outline of the most prominent changes which the amendment. now before Congress, proposes to effect. It fills us with astonishment that any Senator or officer of the government should seriously put forward such an absurd and incongruous" mess of pottage," and call it an improvement-a remedy for present ills. Why, it makes our patent system more cumbersome and expensive than the old British plan. Instead of increasing, it decreases the value of patent property. Instead of simplifying, it adds intricacy to complication. Instead of encouraging inventors, it lays new and grievous burdens upon them. It robs them by wholesale of their property, and divides it between the coffers of an overflowing treasury and the pocketsot hungry politicians, lawyers, and patent agents. That it must meet the entire disapprobation of the great body of inventors and patentees, is too apparent to require demonstration. If the question of its adoption were submitted . to them for decision, we believe they would rise up en masse in opposition.

Senators seem possessed with the idea that 724 bushels; buckwheat 450,724 bushels. mechanics in our country but can afford to our Patent Laws require some huge and hur- There was an increase in corn, rye, oats, pay for it; and we know that no one can be riedalteration. In their zeal to do something, barley, hay, butter and cheese, but no greatthey propose to strike in the dark-to act er than the increase of population in that pe- tions and discoveries of the day,-unless he without properly understanding the subject, riod, viz., 494,323 persons. No wonder pota- reads it. It is the repertory of American in-But we hope they will not forget that the toes are so dear; such a falling away of this ventions, and contains notices of all the usecountry has a most vital interest in all that touches its Patent Laws-that whatever benefits and stimulates the inventor, promotes the general prosperity and fame of the naneat cattle in the former, and 72.086 in the tion. And, on the other hand, whatever latter State. In Indiana and Wisconsin there trammels and discourages genius, produces just an opposite effect.

this case with great force.

avoid all its disastrous consequences.

patent than the Office receives, is, first, be- people will thereby be supplied with cheaper cause the examiners are required to search bread. the whole world over to ascertain if an apvast storehouse, ready classified for reference and exhibition, the thousands of models now constantly producing, is exceedingly expensive. Lop off these two costly excrescences from the current system, and the revenue of the Patent Office will soon be greatmoderate rate of fees may be retained, and better justice done to American inventors. How far superior would some such simpli-

of official fees and tortuous legal proceed- which it is dried, and put on land. ings.

Artificial Manure-Deterioration of the Soil. It is a positive fact that, while we send vessels to the Lobos Islands thousands of miles distant, and pay some millions annually for guano, in all our cities and villages we suffer the best of fertilizing materials to run into the sewers. Something must be done, and with alacrity, for economizing American agriculture. Forwant of pursuing a proper system of agriculture, the products past ten years. In Massachusetts, the New England Farmer has stated that, from 1840 to 1850, the hay crop had depreciated 12 per cent., although 300,000 acres had been added to those previously under tillage. The corn

gan. True, he has procured the parchment the absurd Bill shoved through without dis- | fertilizing matters. It is very evident that with the picture of the Patent Office en- cussion or inquiry. We entreat Senators to unless soils have returned to them every beware of such trickery. Let them post- year as much fertilizing matter as that which pone action until they can examine the sub- is taken away in crops, they must depreciate. thing, he must obtain what is termed a Cox- ject for themselves, for we repeat, no instan- There can be no mistake about this; it is FIRMATION of the same ; the first step towards | taneous legislation is required. The present | plain to every man. There may be various efficiently administered system gives very ways of restoring this to the soil, but unless general satisfaction, and unless it can be im- it is restored, the work of deterioration must proved, it should not be touched. The old go on. Those farmers who suppose they adage, "Let well enough alone," applies in can, year after year, sell large crops of hay, wheat. oats, barley, potatoes, and butter, and The augmentation of the revenues of the supply but a scanty amount of manure to Office is a very easy matter, when the proper their farms, exhibit a great want of common time for it arrives. Amend the law so as to sense and forethought. The grand idea, restrict the official examinations of novelty however, for the farmer, is to get a cheap to this country only, and the thing is done. supply of fertilizing matter, for it is very Add to this, if you please, a clause that evident that if his fertilizers were to cost models, after examination, shall be restored 'him as much as the returns which he receives to applicants. Either or both of these sim- for his surplus products, it would be no obple provisions will bring in far more revenue ; ject for him to raise crops for sale. The than the Bill now before the Senate, and cheaper the fertilizer, then, the more profitable must be the business of farming, the The reason why it costs more to grant a more abundant will be the crops, and the

197

In England we perceive that great attenplicant's invention -- astrawcutter or a churn tion has lately been paid to obtaining the perhaps-is new. To examine the pages of mud of sewers for manure, and were some all the musty French, Dutch, Italian, and company organized in this city to keep the other foreign volumes which the shelves of sewers clear, perhaps a million of dollars the Patent Office Library contain, -and might be saved annually to the farmers within which are steadily increasing-is no easy an area of twenty miles from the City Hall. matter, and is besides a great expense. Sec- It would also be the means of making our ond, the plan of keeping together, in one city more healthy by removing the pestilential effluvia which arises in warm weather from sewers, and it would save a vast anwhich the country has in times past, and is nual outlay in keeping our docks from being filled up with the great quantities of mud which are swept down into them, especially during heavy showers. A patent for making sewerage manure has been taken out er than its actual wants, while the present | recently in England by Thomas Wickstead, C. E. It consists in mixing sewerage water with charcoal dust and lime, then allowing the matters to settle in large vats, and runfying method prove, than the clogging up of ning off the clear repeatedly until the lime the entire system with an interminable list and charcoal are perfectly saturated, after

Alex. Manning, of London, has also obtained a patent for making manure from sewerage water, by employing lime and charcoal mixed with the sludge water obtained in making alum, which consists of sulpate of alumina. Charcoal and lime appear to be the best substances for deodorizing sewerage water, and absorbing the ammonia and phosphates contained in them. The simple question of converting sewerage into useful manure, for any company, is one of dollars and cents, and we cannot decide on this of various States have been falling off for the point. Our object is to direct attention to the obtaining of cheap fertilizers by any means, and that as soon as possible.

To Subscribers

The next number will complete the first crop during the same period fell short 6,000 half of the tenth volume of the SCIENTIFIC bushels; there had been a falling off 160,000 AMERICAN. We would respectfully solicit sheep, and 70,000 swine. In the State of those whose subscriptions expire next week New York from 1845 to 1850, 671,692 acres to renew them at an early date. We are were added to those previously under culti- much obliged to you for past favors, and vation, and yet there had been a most alarm. hope to have you continue with us as hereing falling off in all kinds of agricultural tofore. Business, we know has been very products. The number of horses had de- dull this winter in many places, but one dolcreased 50,141; milch cows 68,066; sheep no lar for six months subscription of the only less than 2,990,624; hogs 566,092; potatoes weekly paperin our country devoted to sci-7,255,066 bushels; peas and beans 1,182,054 ence, invention, and mechanics, is certainly bushels; flax 1,956,485 pounds: wheat 270,- not much. We believe there are very few intelligent.-that is, posted up in the inven-

etv is, lest thev should suffer their votes to

After having run the gauntlet of all these tual possession of a patent that when he be- being made by interested persons to have ture, especially a more liberal supply of pure white.

crop accounts for it all. In Kentucky and | ful discoveries and improvements in the arts. Tennessee there has been a great decrease in | This volume, when completed, will be the cattle in ten years; no less than 33,786 of best ever published.

White Maple Sugar.

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has also been a falling off in the amount of A Vermont farmer says the following is a crops raised, especially wheat, on the rich sure method of clarifying sugar :-- Filter all We are convinced that members are right lands. If this rate of depreciation goes on your sap before boiling, through a hopper or enough at heart, on this matter. Our anxi- for twenty years more, we will have to import box of sand, which, he is satisfied, will take grain from other countries, instead of ex- out, not only all the stains derived from leaves, be cast without proper deliberation and dis- porting to them. as we hitherto have done. tubs, crumbs of back, but all other coloring official fees, the inventor is no nearer the ac- cussion. Powerful efforts, we presume, are The remedy is a better system of agricul- matter that can prevent the sugar from being