
[Reported Officially for the Scientific American.] List of patent claims Iasued from the United states Patent oflic


















 A16, Vol. 8 , Sci. Am.]







 [A noti
Vol. 8.1













 betwee
[mee
Am.]

##         






 $\underset{\substack{\text { en } \\ \text { in } \\ \text { in } \\ \text { aid }}}{\substack{2}}$ air, and ine apartmentsts to be ventilated the impur












 air to the frea, and
fue, as sef orth.









 risised
cified
Mop
 with and embraeing the
and ridse, as sei forth.



















 than winten
as sef forth.
and





 PRE-1ssoze.






## $\xrightarrow[\text { Reform of the Patent Laws. }]{\text { Pr }}$

Your valuable journal is doing good service in pointing out defects in the Patent Laws, and suggesting needed reforms. Allow me to direct ittention to two points, which demand notice First, the law provides for the adding of a new improvement to a patent, by the origina patentee paying \$15. The framer of that law looked upon the filing of a specification and the issuing of a patent as cotemporaneous events-nearly-not the intervention of several months, as is now the case, between the former and the atter-the very time when improvements are most likely to be made. The law is strictly construed at the Patent Office, and for all such improvements, a new patent must issue, and a ee of $\$ 30$ be paid.
Second, the law requires that one invention shall be the subject of one patent, evidently meaning that the inventor of a churn and a coton press shall not have both examined under one fee; but this is so interpreted by the Paten Office, that if the inventor of a cotton press improves the mode of pressing, filling, and dis charging, each improvement must be the subject of a separate patent. Could such have been the original intent of the law?

Francis H. Smith.
[We are not acquainted with a single case ike that mentioned by our correspondent under his first head. It has hitherto been the custom to granta patent for a new improvement to an original patentee for a fee of $\$ 15$; the improvement dating from the commencement of the original patent. This is according to the strict language of the law; it says, (Sec. 13, Act. 1836) on the payment of fifteen dollars, the original patentee, whenever he shall be desirous, may have the specification of any new improvenent of the original invention or discovery, annexed to the original description and specification." This is so plain as to require no comment, excepting to say that our correspondent has rendered the matter somewhat opaque. He means that the spirit and intent of the law is to allow a patentee to add an improvement to the original patent, at any time, for a fee of $\$ 15$, but that the Patent Office construes the law to make the patentee pay $\$ 30$, and take a separate patent for every new improvement.
The New Rule of the Patent Office mentioned under the second head above should be abrogated at once. It is doing great injury to many inventors. It never was intended by the framers of the patent law, that an inventor who had made several improvements at once on any one machine, should be required to file a specification and pay a separate fee for each. A machine is a harmonious whole, made up of several parts, and is not a complete machine, if one part is wanting. It is indeed true that of two machines devoted to the same objects, such as the steam engine, one may have its valves worked by hand like Newcomen's before H . Potter made them self-acting, and the other may be as perfect as the best now made, still the latter only is the complete machine. A machine is never complete while an improve ment can be added; it is surely wrong then to demand several fees for improvements made by one man at one time, to make a machine complete. An inventor is always allowed a patent for any improvement he may have made on any part of a machine, therefore, when we know that all the separate parts of a machine are so dependent on one another, that the improvement of one very often leads to the improvement of another as a necessary conse quence, it is surely both just and right that an inventor should be allowed to include any number of original improvements on one machine in one patent. We mean to be understood as limiting the claims to a distinct machine to accomplish a certain object or objects, and not those kind of claims which embrace indefinite definitions, including all time, space, power, action, and proportion. We hope the Commissioner of Pa tents, who is a thorough lawyer, and whose
mind, when particularly directed to a subject, can soon trace effects to their proper causes, will see fit to abrogate the New Rule, not many days henee.

Buying Congress
We are destined to have stationed in Washington during the approaching session of Congress from thirty to sixty ex-members, who come to sell their personal influences in hard cash on the nail and contingencies; their influence aforesaid for such consideration to be used to get through Congress any legislation whatever desired to put money in the pockets of the payees. Some of these gentlemen have followed this business for years past, until they are well known around the halls of Congress as "lobby members." Their former position in the public service gives them at all times an entree into both chambers, which affords advantages for electioneering for schemes on the treasury, for which speculators pay liberally.Their knowledge of the rules governing the transaction of business also makes them somewhat desirable agents. These advantages, backed by the fact that they are notoriously less scrupulous in their means of carrying their points than most others, have up to this time rendered them so successful as professional legislative drummers that they have among them shared much of the public money which never should have left the treasury of the United States. Little good it does them, however, as, in spite of our laws and the efforts ot our police, faro banks still flourish in Washington. We shall have to keep our attention upon them af fectionately. As they show their hands we shall inform the public, and more especially ho nest members of Congress, what schemes on the treasury each may have in hand, so that they may beware of the plots of these gentlemen. The rules of the House and Senate should promptly be so amended as that exmembers, claim agents, or drummers, shall be excluded from the halls, as other claim agents are excluded.
[The above is from the "Washington Star.' It describes a system of corruption as disgraceful as it is dishonorable. It may be said, "Congress cannot hinder such characters as choose to act the part of political jackalls from coming to Washington, and endeavoring to get particular measures passed for their own interests. This is true, but the inference is that such characters would never be found hanging round the Halls of Congress if they did their lobbying arts. It is thus that Congress is implicated in such conduct. We are well aware that many honest men have often gone, and may have to go again, to Washington, in order get just claims enforced; we do not refer to this class of men, but to those whose claims are selfishness, whose ideas of justice consist in getting as much out of Uncle Sam as they can, and whose patriotism is bounded by the amount of dollars and cents they can make out of spe cial privileges. Some means should be adopted by Congress to prevent this outside pressure upon legislation, and remove a foul blot upon our federative legislation.
We clip from "L'Invention," an excellent French journal devoted to the Arts, the following paragraph :
M. Niepce de Saint Victor has sent to us for transmission to Messrs. Munn \& Co., of New York, four magnificent heliographic engravings upon steel, after the process common to him and to ourskillful engraver, M. Lemaitre. Messrs Munn \& Co., who have always been so just towards the nephew of the father of photography, will receive these four engravings with the greatest pleasure."
We shall indeed, for we are always ready to lands.

A Great Gun.
A gun for duck shooting has been imported from England by a gentleman of Baltimore.This handy little plaything is only 8 feet in the barrel, 5 feet in the stock-one foot and a half around the breech, and an inch and a half across the muzzle! So says the "Baltimore Times.
The rail-car making business of the United States is said to involve $\$ 5,000,000$ capital, giving employment to several thousand men, and producing a value in property, estimated at $\$ 17,000,000$ per annum.

