incapable of learning others. Probably this accounts for monstrates the fact that the appellees, in consequence of the the difficulty which every person late in life encounters in ac- conditional arrangement with the appellants, which they sequiring knowledge which children easily learn.

on the contrary, forgetfulness is often to be desired. One of zeal and efficiency which the importance of the case may steep his mind in the waters of Lethe, according to one would otherwise have demanded. The result was that the author, by fixing his mind on that part of any experience labor of the court, and its liability to overlook points of which has the least permanent interest. The temporary is weight and importance, were greatly increased. As the thus remembered at the expense of the more permanent, and case was presented to us, we see no cause for changing our thereafter the latter is forgotten, while the temporary drops views. But under the circumstances we think that third out from its own inherent want of interest.

THE PATENT MIDDLINGS PURIFIER CASE.-ANOTHER portant, should not be precluded from having a further IMPORTANT DECISION BY THE SUPREME COURT.

A case of considerable importance to the milling fraternity has recently been decided in the Supreme Court of the United States, under the following circumstances:

against Deener and others, about two years ago, in the District of Columbia, as a test suit under said Cochrane patents, upon the character of the argument presented on the part of which, after being ably argued, was decided in favor of the the appellees in the former decision, and will probably predefendants. The plaintiffs appealed to the Supreme Court, vent its being used as a basis for injunctions or bonds in the and the case was heard in the October term of 1876, when circuit courts throughout the country. This will be likely the decision of the court below was reversed, and a decree given in favor of the Cochrane patents.

Shortly after that decree was entered a suit was commenced 'lidity of the Cochrane patents will be thoroughly answered. in the Circuit Court for the District of Minnesota against Christian et al., in which the bill of complaint set forth that the validity of the Cochrane patents became res adjudicata, by the decision of the Supreme Court. An injunction was granted against the owners of mill, but it was afterwards suspended on the giving of a bond for \$250,000.

Other suits were then commenced in the eastern district of Missouri, under the same patent, in which suits a special injunction was asked for. Just before the hearing in that case a letter came to light purporting to come from one of the counsel of the appellees in the case of Cochrane vs. Deener, setting forth that the appellees had no substantial interest in the case at the time it was heard, that one of their counsel had written his argument on one point only, that his fees had been very meagre, and that hence he had not discussed any of the other points before the court. Thereupon Mr. Harding, of Philadelphia, on behalf of some of the opponents of the Cochrane patents, made a motion before the Supreme Court to vacate the decree formerly made by that court in favor of those patents, on the ground of collusion between the parties. In consequence of which the court ordered an investigation to be made before a master, which showed that, just before the argument of the case in the Supreme Court. an agreement was entered into between the owners of the Cochrane patents and the defendants in that suit, that if the defendants were defeated they would only be required to pay on each of the two mills used by the defendants (twentythree run of stone altogether) \$250 cash and \$250 in a note running for a year, for a full release for all past claims, and that each mill was, without any further consideration, to have a perpetual free licence. This, it was argued by the When deaths occur under these circumstances the fatal recounsel opposing the Cochrane patents, showed collusion between the parties to the suit, especially when it was considered that the owners of the patents had sued a single mill in Minnesota for \$300,000 damages, and hence the decree should be vacated.

In addition to this agreement between the parties, it was shown that the appellees would only pay such small fees to their counsel-about one third what they wanted-that it was likely their efforts corresponded with their pay, and that if better fees had been paid, better argument would perhaps have been made.

The counsel for the Cochrane patents in answer denied the collusion, stating that all the parties to the suit were interested in having the case thoroughly tried; that the suit was instituted as a test case, its principal object being to obtain a decision of the Supreme Court on the validity of the Cochrane patent, upon which, if favorable, it was intended to rely, treatment, and shows an array of over 250,000 administrain asserting their rights against all infringers; that their ob-tions of chloroform with but 12 deaths, thus affording strong ject in fixing the sum of \$1,000 as the amount which they would claim for the past and future use of defendant's machinery if they obtained a reversal of the decree, was solely to expedite matters and prevent any vexatious or unnecessary delays; and that knowing that such decision would be of no value unless made upon a full exhibition of the case, submitted to the French Academy of Sciences, an account soria, without the latter traversing the shell and penetrating they by suggestion contributed to the introduction into the of experiments conducted by him upon the Bell telephone, the interior. The shell, however, allows the passage of mi-

A good memory is therefore not an unmixed blessing, but, cause, omitted to prosecute their defense with that degree has adapted this apparatus to his military telegraph. parties, who had no opportunity of being heard, and whose interests as opposed to the Cochrane patents are very imhearing upon it whenever a future case may be presented for our consideration.

"The motion is denied with costs."

This decision although against the vacating of the de-A suit was brought by the owners of the Cochrane patents cree, will it is thought have the effect desired by the maker of the motion to vacate it, as it throws strong doubt ot result in a new test case, brought on under the care of the best obtainable counsel, in which the question as the va-

----CHLOROFORM.

Dr. Julian J. Chisholm, Professor of Eye and Ear Diseases in the University of Maryland, has lately published a ment is a part of the original invention." pamphlet entitled, "What Anæsthetic Shall We Use?" wherein he takes strong ground in favor of chloroform, and deprecates the disfavor into which that drug seems to have fallen on account of the deaths which have occurred among chloroform accidents are preventible, that deaths occurring, or rather attributed to the drug, are too often due to the shortunder improper conditions, when it should not have been given

One of the most common causes of death is due to the operator failing to push the inhalation to the degree of suspending the functions of such parts of the cerebro-spinal system as preside over the emotional, sensational, motor, and reflex acts; or, in other words, the condition in which peripheral irritation can no longer be transmitted through the cord to the brain, and then back, by the vagus and pneumogastric nerves, to the cardiac ganglia. Any condition short of this suddenly and permanently arrested. In this way can be sattrivial operations, such as tooth drawing, abscess opening, in form. etc., when only enough of the agent was inhaled in the sitting posture partially to stupefy, but not to protect against reflex accidents from emotional or peripheral excitement. nerve centers from which the heart and lungs draw their inspiration.

That which Dr. Chisholm calls "the only legitimate of all causes of death from anæsthetics," is that unknown condition called idiosyncracy, in which anæsthetics show themselves poisons of extreme fatality. The patients who carry about with them this innate fatality exhibit it by no recognized signs. When they die from toxic inhalation the autopsy reveals absolutely nothing to indicate the destructive effects of the poison.

Dr. Chisholm adduces a large amount of statistical information to show the infrequency of deaths under chloroform proof of the rarity of the fatal idiosyncracy.

THE TROUVE MULTIPLE TELEPHONE.

versatile energy upon a few things, and eventually become sented; and the evidence laid before us on this motion de-speech, by the arrangement of circuits above noted, is heard both at the station to which he is forwarding the message and also at the one from which the message was sent, so cured before the argument was had or from some other that the possibility of error is thus rendered nil. M. Trouvé

NOTES OF PATENT DECISIONS.

PATENT OFFICE DECISIONS.

The Commissioner of Patents has decided the interlocu tory appeal from the decision of the Principal Examiner in the matter of the application of Temple for letters patent, adversely to the applicant.

The original application was for a process invention. It admitted of illustration by drawing, but no drawing or model was submitted. Subsequently the applicant sought to amend his original application, a drawing being filed and a description inserted relative thereto In the proposed amended specification many elements, which appeared to be essential parts of the invention, were included in the claim. These elements, however, were omitted from the original specification. The case, therefore, came up under Rule 32 of Office Practice, which provides as follows. "All amendments of the model; drawings, or specification, in the case of original applications which are capable of illustration by drawing or model; must conform to at least one of them as they were at the time of the filing of the application; further changes than this can only be made by filing a new application. If the invention does not admit of illustration by drawings amendment of the specification may be made upon proof satisfactory to the Commissioner that the proposed amend-

The Commissioner decides that Temple is not entitled to the proposed amendment. Such amendment he considers new matter" as it conforms to no part of the case as it existed at the time of its filing. The concluding provision patients under its influence. The drift of his views is that of Rule 32, which permits the admission of an amendment on satisfactory proof that it is part of the original invention, cannot apply to the case under consideration, because in this comings of those who administer it, and to its administration case the matter is capable of illustration by drawing and model. The object of this prohibition in Rule 32, against the introduction of "new matter," is to limit the power of amendment, so that it is possible to determine when an application is completed.

COURT DECISIONS.

The Supreme Court of the United States, in deciding the appeal in the infringement suit of Romer vs. Simon, lays down the following rules of law:

Where the patent described in the bill of complaint is introduced in evidence, the patentees are presumed to be the stage leaves the heart exposed to those serious inroads from original and first inventors of the described improvement; peripheral irritation through which its movements may be and when they have proved the alleged infringement, the burden of proof is cast upon the defendant to show that isfactorily classified the many deaths under anæsthetics for the patent is invalid unless the patent ismaterially defective

Proof of prior use of the alleged invention, in a foreign country, will not supersede a patent granted here, unless the alleged invention was patented in some foreign country. Proof of such foreign manufacture and use, if known to the sult is not to be attributed to the anæsthetic, but to the want applicant for a patent, may be evidence tending to show of it. Another cause of death is over-administration. Chlo- that he is not the inventor of the alleged new improvement, roform has a toxic action, while besides its dose can be made but it is not sufficient to supersede the patent if he did not large enough to kill by enfeebling and finally paralyzing the borrow his supposed invention from that source, unless the foreign inventor obtained a patent for his improvement, or

the same was described in some printed publication.

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Infiuence of Organisms on Eggs.

MM. Bechamp and Eustache have determined that eggs M. Trouvé, the well known French electrician, has lately may remain for long periods in a medium filled with infu-

case of all the defense which they had knowledge of, in order that they might be disposed of in the final decision.

After the arguing of the case the Supreme Court, through Judge Bradley, delivered the following as its opinion:

"After a careful examination of the evidence adduced on to believe that the appellants are chargeable with any collusion with the appellees in reference to the argument of the appeal. On the contrary, the weight of the evidence is that they repelled any arrangement or proposition which might tensity proportional to the number of magnets influenced is look to that end. Whilst we would not hesitate to set aside produced. Instead of the cube, a polyhedron having an ina decree collusively obtained, the proof ought to be very definite number of vibrating membranes may be used, and clear to induce us to do this at the instance of strangers to the thus intensity augmented as desired. suit, though incidentally affected by the decision of the questions involved.

the object being to increase the capabilities of that appara- croscopic mucedinæ, which make their way through the tus and to render it available over any distance, however lining membrane and develop very abundantly on its inlong. Instead of the single vibrating diaphragm used by ternal face. The membrane surrounding the yolk presents, Professor Bell, M. Trouvé substitutes a cubical chamber, however, an insurmountable barrier to their further pro each face of which (with one exception) is a vibrating mem- gress, but should their entrance into the yolk be effected an the motion to vacate the decree in this case, we see no ground brane. Each of these membranes, being thrown into vibra-alteration takes place, which is a true fermentation and distion by the same sound, influences a fixed magnet and elec- tinct from putrefaction.

tric circuit, the same as in the Bell arrangement. By associating all these currents, a combined current of single in-

Suppose now a line established on which is disposed a conjunctive tissues of nervous fiber, with or without marrow, telephone constructed as above described, the membranes remains intact, but becomes filled with flattened masses "At the same time as the decision in this case is made the and magnets of which are divided into two series, and the having an intense refracting power. These and other subbasis for applications for injunctions against third parties in circuits so arranged that, by pronouncing a word, currents stances show amyloid reaction on contact with iodine and the Circuit Courts, it is right that we should say that, in the are produced on the same wire in opposite directions. When sulphuric acid, and resist the action of digesting liquid. argument of the appeal before us, the case on the part of a despatch is received to be transmitted further on, the Examined under polarized light, all the portions affected the appellees was, as it seemed to us, very imperfectly pre-operator talks in the telephone in the usual way; and his with amyloid degeneration become bi-refracting.

Amyloid Degeneration of the Cornea,

By introducing liquids impregnated with spores into the cornea of rabbits, Dr. A. Frisch has found that the corpuscles of the cornea undergo a metamorphosis of their protoplasm into shapeless brilliant masses. The sheath of the