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PATENT LEGISLATORS IN CONGRESS.

Last winter the enemies of inventors and patentees achieved a signal defeat in a general attack upon the patent the futility of attempting by direct assault the destruction of scattered their forces this year for a sort of guerilla warfare, apparently hoping to do indirectly, under the guise of protection to oppressed grangers and the like, the work they failed to do a year ago.

We have before us four bills which prettily illustrate the spirit and the method of the guerilla system. They have been introduced in the House of Representatives by Mr. Clubs.—One extra copy of The Scientific American will be supplied Baker and Mr. Colerick, of Indiana, and Mr. Converse, of

> signed to regulate the costs of suit in actions to recover damages for the infringement of patents; and provides that in cases where it shall appear that the defendant purchased in good faith and without actual knowledge of infringement, and applied the article to and for his own use and not for covery or invention."
>
> Start the work whether they are that the toyardy, cost, and for hand the royardy, cost, and the volution is matter that the value of facture aforesaid. Every owner or part owner, by assignment or otherwise, of any patent heretofore or which may hereafter be granted, or for which application is pending under the laws of the United States, shall for feit to the public all right to said disapplied the article to and for his own use and not for and applied the article to and for his own use and not for sale or for manufacturing a product for sale, if the plaintiff shall not recover a judgment in damages of twenty dollars or over, the court shall adjudge that he pay all the costs of suit, including a reasonable attorney's fee to the defendant; sary. The act of applying for a patent for an invention is and if the plaintiff shall not recover a judgment in damages offense enough, in the eyes of men like Mr. Converse and of fifty dollars, or over, the court shall adjudge that he pay all the costs of suit.

ing his property rights will be apparent to all who desire to patent law amenders are driving at. appropriate his property to their own use. The justice of such discrimination in favor of offenders against patent rights solely, however, may fairly be disputed by all the stolen property.

Properly named, the bill would be entitled "a bill to facilitate the infringement of patent rights, and to encourage patent litigation." Since a very large portion of all patented practically abandon his rights.

But the advantage thus aimed at is not enough to suit Mr. the defendant, or any person through or from whom he de-cone. rives title thereto, purchased the same in good faith from the manufacturer thereof, or from any person or firm engaged manufacturing a product for sale."

that purchase in good faith without knowledge that the the perimeter of the cone. To insure a vertical position to purchased article was an infringement of any patent shall be the apparatus and to prevent it from being easily turned a complete defense against action for damages.

has no title, from the natural and proper consequence of pressure increases during the descent. The salt water acts their ignorance and folly. The propriety of thus discrimi- on the thin coating of nitrate of silver on the wire, and turns nating in favor of one phase of business imbecility and it perfectly white by the production of chloride of silver as against one particular class of property owners is as little far as immersion has taken place. By this means, therefore, apparent as is the need of it. The proper way for the com- is determined to what height the water has risen in the cone, plaining farmers to protect themselves against patentswind- and consequently what the pressure has been; and from these ing sure that the seller's title is good. If they will take the that by suspending the lower weight by means of an apparisk of buying blindly let them abide the issue manfully, and ratus which would detach it on striking bottom, the appafolly upon the shoulders of rightful owners who have had with the use of a line. no part in the fraudulent sale.

But these bills present a much less tolerable aspect. Ostensibly they are put forth to meet a special class of cases in Really, we believe, they are intended to break down the defenses by which inventors are now enabled to guard have to overcome in most parts of the world. Our consul their constitutional rights under the patent laws; and in case general at Rio Janeiro says in his recent annual report that

brings suit. After such delays and multiplications of court tropical countries. For this work the commercial agent and the case comes to trial and the defendants raise the plea that are the customs of the people he wishes to trade with, how the purchase was made in good faith, for their own use, and to adapt his wares with the leastchange to meet their wants, MEDICINE, HYGIENE, ETC.—On the Hygicale and Therapeutic Intuence of Habits and Character in the Medical Profession. A highly suggestive and Important address by Dr. Edward T. Tibbits... Page 3344 Longevity. or the Natural Duration of Life Dr. Richardson on the Longevity of brain workers. Increased longevity a result of civilization... Page 3345 he has to pay all the costs of the suit and a "reasonable" is inundated with letters of inquiry, many of them asking

fee to the railway company's attorney. An admirable issue, truly, for a patent law designed for the advancement of the useful arts, by the encouragement of inventors!

But Messrs. Baker and Colerick are mere bushwhackers system. Profiting by that experience, which taught them compared with Mr. Converse. The latter gentleman enters the lines of the patent defenders, ostensibly in friendship, a system so firmly grounded in popular esteem, they have and quietly drops a match into the magazine, hoping thereby to blow up the entire system. In this way:

"Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That it shall be unlawful for any owner, or part owner, or assignee of the whole or any part of any patent granted or pending under the laws of the United States to charge or receive as royalty on such invention or discovery more than an amount equal to the cost of production, and twenty-five per centum to be added thereto for profits of manufacture in addition to Ohio, and are numbered respectively 2,631, 2,633, 2,913, and of these Mr. Baker is sponsor for two.

Ohio, and are numbered respectively 2,631, 2,633, 2,913, and ever the invention or discovery or the article patented, or when patent is applied for, is used for hire instead of being sold, it shall be unlawful to charge or receive for such use more than the royalty, cost, and profit of manu-

That is all; and it is certainly quite enough. At first sight it may seem as though some specific offense should have been named in the final clause. But that is not at all neceshis anti-patent associates, to justify the forfeiture of all right to the invention; and Mr. Converse is to be commended for The propriety of thus punishing the patentee for defend. frankly and boldly stating precisely what the would-be

A NEW DEEP SEA SOUNDING APPARATUS.

Welhave received from the author, Sr. Henrique de Lima other classes of thieves and plunderers and receivers of e Cunha, a copy of a paper recently read by him before the Lisbon Academy of Sciences on the subject of a new deep sea sounding apparatus devised by him, and which appears to have some valuable features, in addition to possessing the merit of novelty. In taking soundings at great depths, and articles and processes are intended for individual use, and not in places where there are strong undercurrents, no very great for the manufacture of articles for sale, and since damages exactitude can be attained by ordinary methods, owing to for individual misappropriation in such cases are apt to be the fact that the line is carried off by the undertow, and the small, the infringer has everything to gain and nothing to length paid out does not represent the vertical distance to lose in standing suit, while the inventor is bound to sue or which the weight has descended. The apparatus under consideration is based on the effects of atmospheric pressure. It consists of a cone of sheet copper, having for its base a Baker or his employers. Accordingly he hands in another diaphragm of the same metal, and which screws into the bot. bill to limit the liability of purchasers to actions for damages tom of the cone so that it may be readily removed when in cases of infringements. This bill is short enough to quote necessary. In this movable base there are six small holes, entire. It provides "that no suit shall be brought or main- one millimeter in diameter, which allow the ingress of the tained in any court having jurisdiction in patent cases for sea to the interior of the cone; and to the center of its upper any alleged infringement of any patented article, device, surface there is soldered a vertical wire of pure silver, two process, invention, or discovery, where it shall appear that millimeters in diameter, and which occupies the axis of the

To prepare the apparatus for use the silver wire is moistened with nitric acid, which results in the production in the open sale or practical application thereof, and applied of a thin film of nitrate of silver. The base being screwed the same to and for his own use, and not for sale, nor for on, the cone is suspended by means of a ring at its apex, and sunk by means of two separate weights or stones suspended Mr. Colerick's bill aims at the same point, and provides by cords or chains depending from three rings attached to from its course, a small float is attached just above the sus-In their best aspect these bills are an attempt to make the pension ring at the apex of the cone. As the apparatus sinks United States Courts a sort of patent buffer to guard the into the sea the water penetrates into it through the orifices purchasers of illegal articles, or articles to which the seller in the diaphragm and gradually rises in proportion as the lers is to buy patent rights and alleged patented articles as data the depth to which the instrument has descended is they do horses and lands and other property, only after mak- easily determined by simple formulæ. The author suggests not call upon Congress to throw the consequences of their ratus would ascend to the surface of itself, thus dispensing

PROSPECTS OF TRADE IN BRAZIL.

The picture of a sturdy negro carrying a wheelbarrow on which innocent farmers are said to be the victims of patent his head would not be a bad symbol of the force of custom which, in an infinite variety of ways, labor-saving invention

expenses, as powerful corporations are so well able to effect, the manufacturer as well needs know by personal study what