Scientific American.

The court now holds that this second reissue is invalid, and for the same reason given on the trial of the first reissue, namely, double use, as shown by the Hyatt and Meyers patent of 1854

The decision in Meyer v. Pritchard upon the reissue then | To the Editor of the Scientific American : before the court to the effect that the alleged invention covered thereby of forming thickened ribs in rubber shoes or i lambeycque balsa, which I believe would go over Niagara closed in the prior patent to Hyatt and Meyer-viz., form- highest wave or even spray when the wave breaks into ing the soles of rubber shoes of different thicknesses by roll- foam, and is impossible to submerge or apset except for a ing-Held to govern this case, the present reissue only differ- moment; its material, being two bundles of reeds, lashed toing from the former in being specifically limited to ribs; gether longitudinally, and its peculiar shape rendering it around the mouth of the shoe.

was not described or indicated in the original specification. If turned unside down this curved bow will point downward or drawing; and it seems that the character of a lost or destroyed model may be established by oral testimony.

cision which was made in the Pritchard case.

The bill is dismissed.

United States Circuit Court.-Southern District of New York.

GARDNER et al. v. HERZ et al. - PATENT CHAIR SEAT. Wallace, J.:

This action is brought to restrain the infringement of Reissue Letters Patent No. 9,094, dated February 24, 1880, granted to the assignee of George Gardner for an improvement in chair-seats.

Reissue Letters Patent No. 9,094, for a chair-seat made of laminæ of wood glued together, with the grains in one layer crossing those of the next, concave on the upper surface, convex on the lower surface, and perforated, examined and ing any one was foolhardy enough to attempt it), a line tics reported that reports had been received from eighty-one found to present no patentable novelty over the patent to might be attached to the bow and extend to the shore below exchanges, representing some 29,000 subscribers. There Mayo, granted December 26, 1865.

applying a process that is eld to a material that is old to ob- a quantity of geese. The geese took flight when the ship month at all localities with improved service. tain an old form.

United States Circuit Court.-Southern District of New York.

COBURN et al. vs. SCHROEDER et al.

Wheeler, J.:

This cause has now been further heard upon motion of the defendants to have the decree opened and leave granted to put in as further defenses to the patent an English provisional specification, left by James Ritchie Butchard, January 22, 1866, at the office of the Commissioner of Patents in England, with a petition for a patent, and other evidence of prior knowledge and use. The invention is understood to have been made in February, 1866.

Motion to have a decree opened and leave granted to put; further defenses to the patent denied where it appeared that the new evidence would not affect the result.

An invention is not patented in England, within the meaning of the third division of section 4,920 Revised Statutes, until the completed specification has been filed.

An English provisional specification is not a bar to the grant of a patent in this country, and when relied on as a printed publication under section 4,920 Revised Statues it physician. seems that the defendant must show that it was actually published before the date of the patentee's invention.

Motion for opening a decree on account of an alleged change of issue made by the filing of a disclaimer by the patentee, denied where it appeared that the effect of the disclaimer was merely to limit the claim of the patent and the issue, and where the parties had full opportunity to try, and diligently availed themselves of the opportunity to try, the question which would be open if the case should be again opened.

United States Circuit Court.-Southern District of New York.

HOLLIDAY et al vs. PICKHARDT et al. -PATENT 250,247.-ROSALINE COLOR.

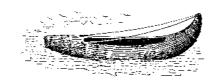
Blatchford, J:

product claimed by him, and it appearing that this point days.

Correspondence.

Balsa of Lambeyeque.

The Indians of Lambeyeque, Peru, use a cause called the totally preventing it: sandals by rolling was but a double use of the invention dis-Falls with perfect safety. It will dance on the top of the secure against either misbap. It is broad in the center and A relssue may include matter shown in the model which tapering at each end, with the bow turned up like a skate, in the water, and being composed of hollow reeds the least motion will make it seek the surface and throw the balsa on Argument against the propriety of holding that the claim its beam ends, which position it could not maintain. The conof the present reissue was not patentable by reason of the ter width being double its thickness, it will immediately right carlier patent is argument against the propriety of the devitself. It is amusing to see one forcibly held in an inverted position and then released; the instant restraining power is removed, it will turn upright in the fraction of a second. Between the two bundles of reads there is a hollow space cov-1 must be killed, and in the shortest possible period, and the ered with water tight skin. In the Peruvian balsas this space effect of retarding the development of the spores (antiseptic)



went over and alighted in the river below; one of the bears was molished. So the transit is not certain death.

W. B. W. join a sketch. Milwaukee, Wis.

True Disinfectants.

Many a so-called disinfectant is employed to-day in a certain solution, when it does not possess any value whatever of three subjects-leakage, induction, and earth and atmounder the circumstances. If it is really our intention to spheric currents-saying that the increasing number and disinfect wounds, we must be certain, at least, that we will length of wires prove the value of good insulation and conachieve our object with the remedy we use ; if such is not ductivity. No loose or unsoldered joints should be tolerated the case, we only irritate without doing good.

number of experiments which have been made by Dr. R. difficult to remove. In so-called anti-induction cables re-Koch, with the view of establishing the real value of many tardation is most manifest. When inductive shields entirely so called disinfectants. It would lead us too far to give the inclose the insulated conductor the metallic current appears whole procedure employed to ascertain the facts mentioned, to remove much of this trouble. A cable, the longest in and we will, therefore, confine ourselves to giving the more this country, has been recently laid from Newark, N. J., to important results of the investigations of this celebrated Jersey City, some ten miles. The conductors in this cable

cent solution is necessary to achieve the desired object.

acid dissolved in oil or water proved itself totally inert ! What well-insulated lines of non magnetic material a degree of do our surgeons who still make use of so-called carbolized perfection may be attainable that will leave but little to be oil say to that ? Koch found that carbolic acid, when dis-; desired. solved in oil or in alcohol, had not the slightest influence on the vitality of any of the micrococci or bacilli.

Concerning sulphurous acid, it was found to be powerless number of practical papers were presented. against spores; bacilli and micrococci, when exposed to the fumes in a box, were killed within twenty minutes, but were very little influenced, or not at all, when exposed to the fumes in a room at the usual temperature.

On a motion for a preliminary injunction, question being spores of anthrax, notwithstanding the same had been ex- are now at work in North Carolina, Kentucky, Missouri, raised whether the patentee's description would make the posed to the action of the remedy for a period of thirty and Arkansas, under the direction of the Chief of the Na-

 $^{\circ}$ (5 per cent in alcohol), salicylic acid (5 per cent in alcohol, 2 per cent in oil).

As regards remedies which prevent the further development of spores, the following results were obtained. The first number means retarding the development, the rest

1:1.600.000	1:320.000
1:330,000	1:33,000
1:00,000	1:10,000
1:80.000	,
1:75,000	
1:40,000	1:8,000
1:33.000	
1:10.000	1:5,000
1 : 10,000	1:5,000
1:5,000	
1:3.30	1:1.500
1:3,000	
1:2,500	1:1.700
1:2,500	
1:2,500	
1 1 2,000	
1 • 2,000	1:700
1:1,250	1:300
	1 : $330,000$ 1 : $160,000$ 1 : $80,000$ 1 : $25,000$ 1 : $75,000$ 1 : $30,000$ 1 : $10,000$ 1 : $10,000$ 1 : $10,000$ 1 : $5,000$ 1 : $3,310$ 1 : $3,310$ 1 : $3,310$ 1 : $3,500$ 1 : $2,500$ 1 : $2,500$ 1 : $2,000$ 1 : $2,000$ 1 : $2,000$

But as, for purposes of disinfection, the micro organisms is small, but it might be made large enough for a man to lie is not sufficient, only the following remedies can, according

> to Koch's experiments, be said to be of value; corrosive sublimate, chlorine, bromine, iodine. Bromine in form of vapor is, as concerns rapidity of action, superior to chlorine and iodine. - Med. and Surg. Rep.

*** National Telephone Association.

The National Telephone Exchange Association held a

convention in Boston, September 5 and 6. The committee down in. In the case of going over Niagara Falls (suppos- on Central Office System and Apparatus Exchange Statisthe Falls, in order to draw the navigator ashore after his are about 60,000 to 70,000 subscribers in the United States. Merely giving the well known concave or dishing shape descent. A dog recently went over the Falls without being In New York there are 2,873, and the smallest number in any by an old process to a chair seat formed of the materials killed, and in 1829 (I think that was the date) the famous one place is 10. There is a steady and continued growth all covered by the Mayo patent is not invention. It is merely ship Niagara was sent over, having on board two bears and over the country. The number of connections increase each

> In an informal discussion of line construction and mainnever seen afterward, but the other swam ashore below the tenance, Mr. E. S. Babcock, of the Evansville (Ind.) Telefalls with a broken leg. The ship itself was completely de- phone Exchange Company, gave an interesting account of 400 miles of wire maintained by his company and worked To convey a better idea of these Peruvian balsas, I sub- successfully without insulators of any kind, by simply attaching the wires to the poles. He said no difficulty was experienced in sending messages, and it was found that the wires thus situated worked better than those insulated.

> W. D. Sargeant, of Brooklyn, from the Committee on Electrical Disturbances, read a comprehensive paper treating on a telephone line. The great enemies to long lines are in-The Imperial Board of Health in Berlin has published a duction and retardation. The latter appears to be the most change their relative positions at every joint of about 1,000 Most surgeons have been satisfied to wash their hands and feet, and the remedy seems to be effectual, conversation on clean their instruments with a 2 per cent solution of car- a single grounded circuit being carried on without interferbolic acid. Such a solution is almost inert, and a 5 per ence with others, and the sound of several Morse wires working from batteries and dynamos was scarcely audible. But what is the most interesting is the fact that carbolic As to earth and atmospheric currents, it is believed that with

> > There were present at the several sessions representatives of principal exchanges throughout the country, and quite a

The National Geological Survey.

Hitherto the surveys conducted by United States geologists have been confined to the Territories. Last winter Con-Chloride of zinc showed itself just as harmless. A 5 gress authorized the prosecution of such work at national per cent solution exerted absolutely no influence on the expense within the lines of the States. Accordingly parties tional Survey, Professor Powell, obtaining data for a geo-

> National Museum of Hygiene.

Surgeon-General Wales, U. S. N., describes, in an official

Of other drugs, the spores of the bacilli were killed by logical map of the entire country. Meantime the territorial was decided in favor of the patentee by the Patent Office on a direct issue between him and another patentee whom the chlorine water, fresh prepared; 2 per cent bromine water, surveys are not neglected, Professor Powell going to join defendants represented, Held, for the purposes of the motion, 1 per cent aqueous solution of corrosive sublimate, 5 the large party at work in Arizona and New Mexico. The that the product claimed could be obtained by following the per cent solution of permanganate of potassium, 1 per Bureau of Ethnology has several parties at work in the description of the patent. cent osmic acid, within one day; formic acid, four days; ol. Mississippi Valley.

The successful party to an interference is entitled to presterebinth, five days; solution of chloride of iron, four days; liminary injunction against the representatives of the defeated 1 per cent arsenious acid, 1 per cent quinine (water with party in case the infringement is clear, and the decision of muriatic acid), 2 per cent muriatic acid within ten days; the Patent Office in an interference between the parties as ether within thirty days.

to the identity of the products sufficient proof of infringement. ----

Nathan Rixford.

circular, the scope and plan of the National Museum of Inert or possessing very little influence: distilled water, Hygiene, organized under the Bureau of Medicine and Suralcohol, glycerine, oil, sulphur-carbon, chloroform, benzol, gery, at Washington. The design is to make the collection petroleum-ether, ammonia, concentrated solution of com- one that will illustrate the entire scope of sanitary science, mon salt, bromide and iodide of potassium, 1 per cent; sul- to have courses of lectures by capable sanitarians from all

Mr. Nathan Rixford died in Hartford, Conn., August 29, phuric acid, sulphate of zinc and copper, alum, 1 per parts of the country, and to establish a library of sanitary at the age of sixty-seven. He was, at his death, probably cent; perman. of potash, chromic acid, the chromates science, accessible to all engaged in the study of this branch the oldest living representative of the silk culture and and bichromates, chlorate of potash, 5 per cent; boracic of knowledge. The library of the Bureau already contains manufacture in this country. He started the first silk acid, 5 per cent; acetic acid, 5 per cent; tannic acid, 5 per many standard works in English, French, and German. The manufactory in Mansfield Hollow, Conn., where he was a cent; benzoate of sodium, 5 per cent; quinine (2 per cent in support of the Museum has been provided by act of Conwater 40, alcohol 60), iodine (1 per cent in alcohol), thymol gress. manufacturer for more than thirty years.

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