the courts to decide, should the proposed bill be passed by on the part of the Post Office for an ad interim injunction

upon thorough trial tests, actually contribute to the comfort, security, and safety of persons being transported as of mails, etc., may be taken as a natural and inevitable result of the attempt on the part of the associated railways to refer all action with reference to improvements to an outside and irresponsible organization. And as the people of the any possible association of railway officials, it is the reverse of politic on the part of the latter to provoke a conflict which can only result in their overwhelming defeat.

# THE WESTERN RAILWAY ASSOCIATION AND THE PATENT LAWS.

Speaking of the failure of their efforts to secure the passage of the bill to effect a general amendment of the patent laws last winter, the executive committee of the Western Railroad Association say, in their report for the year just

"For many reasons, but principally on account of the success which has of late attended the work of the association in contesting unjust claims, and in settling just ones equitably, your committee has made no special efforts in this direction during the present Congress.'

American inventors will be pleased to see this frank admission by the association that for all legitimate purposes the patent laws are adequate as they stand. No fuller justification could be asked for the position taken by the friends of inventors during the contest in the last Congress, namely, that the general invasion of the constitutional rights of inventors proposed in the Association's bill (S. 300), was as unnecessary as its object was unjust. Now, having admitted that cessfully unjust claims, and to settle just ones equitablybe hoped that the Western Railway Association will have to give in. the grace to cease to whine about the alleged oppressions of patent system recast so as to place inventors at the mercy of any who might choose to infringe their rights.

### THE PROPOSED WORLD'S FAIR IN 1883.

One decided advance has been made toward securing a World's Fair in this city three years hence. The two rival place to a single committee madeup of citizens of accredited It is found better to pluck the feathers out than to cut them social and financial standing. There has also been introduced in Congress a bill creating for the management of composed of sixty honorably known citizens of New York, two commissioners from each State, one from each Territory, and one from the District of Columbia. It is further provided in the bill that the Exhibition be held under the direction of the Commission as one body; that the Board of Commission—thus avoiding any troubles that might arise from a dual organization; that the capital stock be placed H. N. Moseley, Challenger Notes. at twelve millions of dollars, in shares of ten dollars each; and that foreign nations be invited by the general government to participate in its exhibition.

against such an application in the future. The list of incordence. Each of the gentlemen named has agreed to serve

## THE LOGIC OF GOVERNMENT CONTROL.

National Government the control of railways and telegraphs, noticed that the epidemic was confined to one of the surgical as in some European States, has been strongly urged in this wards, built apart from the main building, on the pavilion. country. This, on the plea of cheapness and good manage-plan, and having only one story. Close investigation proved ment, notwithstanding the too frequent experience that the that the ventilation pipe in this wing had been stopped up business affairs of the government are apt to be badly con- by a careless workman. When this was remedied, all traces ducted, and their results obtained at a far greater cost than of the epidemic disappeared. for similar work in private hands.

The action of the British Postmaster General in relation to the telephone companies furnishes a pretty illustration of: the logical result of such government monopolies. Every ary 15, providing for the importation, free of duty, of all one knows that a few years ago the British Government actarticles for exhibition at the Millers' International Fair, to be Kingdom, and made them a part of the postal service. By Exhibition will be opened June 1. The machinery will be the same act, as English electricians aver, the government shown in motion. put a practical extinguisher upon telegraphic improvements in Great Britain—a natural result of bureau management. But this is not the worst of it. Government monopolies are; and processes employed, and the wide range of invention not only fatal to progress in their tendency to discourage covered by milling apparatus, it is safe to predict a notable invention, but they are very apt to become aggressive, and Exhibition. American millers and mill furnishers are taking try to suppress outside rivalry. Hence the natural but none a lively interest in the Fair, and the president of the National the less amazing attack upon the English telephone com- Millers' Association reports a fine prospect for a full and in panies by the Right Honorable Lord John Manners, who structive display. filed an information in the Court of Queens Bench, Jan. 20, asking an injunction to restrain the English Telephone Company and Edison's Telephone Company from using wires and "kamfett," of each 15 grammes; liquid storax, oil of for the transmission of messages.

of Justice, application was made by the Attorney General gram.—Henkenius.

to restrain the English Telephone Company and the Edi-Right or wrong the attempt by Congress to compel rail- son Telephone Company from discharging the functions for ways, as General Banks' bill reads, to "put into actual and which they were called into existence. After some discustions. We are not unmindful of such courtesies, although we continual use such inventions and improvements as shall, sion it was arranged that an injunction should not be seldom occupy space in these columns for giving them expres taken, but that the defendant companies were to keep cer-sion; but the following from the Chicago Journal of Com tain accounts until the hearing and final decision of the case. merce is so well put, we beg the indulgence of our readers passengers," and tend to prevent delays in the transmission. The argument on behalf of the Post Office is that telephones for giving it place: are telegraphs within the meaning of the act by which the latter inventions were committed to the charge of the Post publications of the day. Established in 1845, it has now Office Department, and the Attorney General represented it reached the thirty-fifth year of its publication. The success to be a serious grievance that the government, after spending of this publication has been something remarkable, and its United States are more numerous and more powerful than millions on telegraphs, now found their monopoly interfered circulation is now fifty thousand copies weekly. It is a paper with by telephones, which he submitted were practically the that ought to find its way into every workshop in the land, same invention. It is reported, although this part of the without a single exception. It is invaluable to the mechanic, question was not mentioned during the hearing, the Post artisan, and inventor, and the wide field it covers makes it Office officials hope to be able to compel the telephone com- alike invaluable to those interested in purely scientific and panies to take out licenses from the Postmaster General and chemical pursuits. Its handsome pages and accurate illuspay royalties for carrying on their business. The trial of the trations of new inventions, machinery, workshops, and case is set down for an early day in February.

# OSTRICH FARM.

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Mr. McKellar, who was most kindly hospitable, has an time of our visit, he having had bad luck at first in breeding.

He owns the actual Cape of Good Hope and a long stretch of the moorland adjoining, and has thrown a wire fence right \$1.60 for six months, the Supplement is placed at \$5.00 per across the peninsula, so as to give his ostriches the run of a year, postage paid, to subscribers. Money could not be more large tract, stretching right down to the cape itself. One judiciously expended than by subscribing for these publicaold hen ostrich was a pet about the house, but used to do sad | tions." damage in the farm yard eating the young goslings, swallowlowing them like oysters.

It was amusing to go with Mr. McKellar into one of his breeding paddocks; here a pair of ostriches were brooding on a nest of eggs, dividing, as usual, the labor between them.

The cock was very savage and attacked all intruders, so the present laws are sufficient to enable them to contest such is master had a long pole with a fork at the end of it, and when the ostrich ran at the party he caught its neck in the certainly all that any association can reasonably ask-it is to fork. The ostrich was excessively enraged, but soon had

A kick from an ostrich is well known as very dangerous. patentees, and refrain from further attempts to have the The only thing to do when attacked without means of defense, Mr. McKellar said, is to lie flat down and let the bird walk on you till he is tired. I was astonished at the brightness of the red coloring developed on the front of the legs of the cock bird during the breeding season. The ornamental appearance of the bird is greatly enhanced by it.

A narrow but strong and high pen is provided for pluckorganizations which had the project in hand have given ing the birds in. They are driven into it and held fast. off. The stumps, if left in, are apt to cause trouble.

Young ostriches, when first from the egg, have curious the proposed Fair a United States International Commission, horny plates at the tips of their feathers, like those in the feathers of one of the Indian jungle fowls, and some other birds not in the least related to one another.

The cape peninsula becomes very narrow towards its termination, and ends in two capes, Cape Point, on which is the ear, the voice apparently shifts to the side of the other ear; lighthouse, and the Cape of Good Hope. The Cape of Good Finance be elected by the subscribers to the stock, and that Hope itself is a mass of rock, terminating in perpendicular those elected thereby become, if not already so, a part of the cliffs toward the sea, but with ledges here and there, on in front of the observer. which numbers of cormorants (Phalacocorix capensis) nest.-

## Sewer Gas and Disease.

cases were found to occur. For months the hospital wards can trade. werefreefrom both erysipelas and pyæmia. Suddenly, how-For a number of years the propriety of transferring to the jever, there was a fresh outbreak of these diseases, but it was

## The Millers' International Exhibition.

A bill was passed in the House of Representatives, Januquired possession of all the telegraph lines of the United held in Cincinnati, Ohio, during the coming summer. The

In view of the enormous interests involved in milling, the variety of grains made use of, the numerous rival systems

MACASSAR OIL.—Sunflower oil, 100 grammes; goose grease eggs, oil of thyme, cacao butter, of each 8 grammes; neroli, 4 The next day in the Exchequer division of the High Court grammes; Peruvian balsam, 0.6 gramme; otto of roses, 0.05

#### Kind Words from Chicago.

Our newspaper contemporaries are constantly saying good words for the Scientific American and our other publica-

"The Scientific American is one of the really standard sketches in natural history are all in entire keeping with the active spirit of this progressive age, and there are, indeed, THE OWNER OF THE CAPE OF GOOD HOPE AND HIS . | few publications more deserving of a place in the homes of our land. The Supplement—which is a distinct paper from the Scientific American—contains sixteen octavo pages, ostrich farm, but his flock of birds was not very large at the with handsome cover, uniform in size with the SCIENTIFIC AMERICAN. This is really a royal issue, and while the price of the Scientific American is placed at \$3.20 per year, or

#### The Indian and the Telephone.

An amusing application of the wonders of the telephone as an assistant detective of crime comes to us from Julian. Several horses were recently stolen in that neighborhood, and suspicion fell upon a certain Indian as the thief, Some one having introduced a telephone up there, the same was being exhibited, when it occurred to the owner of the stolen horses to get the Indian to come in and hear the "Great Spirit" talk. The Indian took one of the cups and was thrilled with astonishment at being apparently so near the Great Keeper of the happy hunting grounds. After some little time spent in wonderment, the Indian was solemnly commanded by the Great Spirit to "give up those stolen horses!" Dropping the cup as if he had been shot, the Indian immediately confessed to having stolen the horses, and tremblingly promised if his life was spared he would restore the "caballos" at once, and he did so. - San Diego (Cal.) Union.

#### ---Curiosities of the Telephone.

With a single telephone held, say, to the right ear, the transmitted voice appears to come from a distance to the right; while with a telephone held to the left ear, it seems to arrive from the left of the listener.

With a telephone to each ear, if one ear be less sensitive than the other, or if the telephone be held further from that and if both ears hear alike and both instruments are equally near their respective ears, the voice apparently proceeds from

## Petroleum in Hanover.

Borings are being made in the Hanover petroleum district with such promising results as to make the prospectors ex-The authorities of one of the largest hospitals in London tremely hopeful. A dispatch from Berlin says that the bor-No appropriation is asked for, but there is no provision lately took measures to ventilate all the drains and sewers in ings are now 60 feet deep, and the existence of a petroleum connection with their institution. Up to the time these altera- basin as large and rich as the one in Pennsylvania is regarded porators is made up of names that ought to inspire confi-tions were made, pyæmia and erysipelas had almost driven as beyond doubt by mining experts. The deepest borings the medical staff to despair. When the whole of the venti- already yield four hundredweights of oil per well daily, and on the commission, and all together they furnish a reason-lation was completed, and as soon as the pressure was re-the quality of the oil is improving. The work is being proseable guarantee that the undertaking will be wisely managed. moved from the traps of the closets and lavatories, no fresh cuted by Hamburg and Bremen firms engaged in the Ameri-

## Cheap Indelible Ink.

Braconnot recommends the following: 20 parts of potassa are dissolved in boiling water, 10 parts of fine cut leather chips and 5 parts of flowers of sulphur are added, and the whole heated in an iron kettle until it is evaporated to dryness. Then the heat is continued until the mass becomes soft, care being taken that it does not ignite. The pot is now removed from the fire (allowed to cool), water is added, the solution strained, and preserved in bottles. This ink flows easily from the pen. Pol. Notizbl.

## Large Farming.

It is reported that Mr. Oliver Dalrymple, the great Minnesota farmer, intends to cultivate 30,000 acres of wheat this year. He will have 20 steam thrashers in operation with 135 reaping machines. Last year he employed 600 laborers, and this year will increase the number to 700.

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THE woolen trade in France has been making rapid progress. In 1851 there were only 850,000 woolen spindles in that country, but now they number 2,270,000, thus distributed among the departments: Nord has 1,350,000: Marne, 160,000; Somme, 125,000; Ardennes, 120,000; Aisne, 140,000; others, 375,000. The value of the woolen yarns exported amounted to 32,200,000 francs; of manufactured goods, to 464,200,000 francs; of combed wool, to 30,900,000 francs; of woolen waste, to 36,700,000 francs; making a grand total of 564,000,000 francs. About 147,632,000 francs were paid for wages annually.