RECENT DECISIONS RELATING TO PATENTS,

By the Commissioner of Patents, WEBSTER VS. PARKHURST AND HAM.

Where one has conceived of an invention and discloses the essence of it to another whom he employs to develop and perfect it, suggestions from the employe in the course of experiments and dependent upon the main idea will not ordinarily give the employe any rights as an inventor. (Citing O'Reilly vs. Morse, 15 How., 62, and Agawam Co. vs. Jordan, 7 Wall., 583.)

U. S. Circuit Court of Appeals-Ninth Judicial District,

NORTON et al. vs. JENSEN et al. Hawley, J.:

Claims 1 and 2 of letters patent No. 267.014, to Edwin on the ends of fruit and other cans, and claims 6 and 7 of letters patent No. 274,363, to Norton and Hodgson, March 20, 1883, for a can-ending machine, and claim 14 of letters patent, No. 294,065, to Norton and Hodgson, per to begin with, it would make no objection to the ex-February 26, 1884, for a can-ending and seaming machine, and letters patent No. 322,060, to Edmund Jordan, July 14, 1885, being an improvement on the original Norton machine, sustained and Held infringed by the "Jensen machine" made under letters patent No. 376,804, to Mathias Jensen, January 24, 1888, for a can crimper and capper. Letters patent No. 307,197, to Edmund Jordan, October 28, 1884, and No. 307,491, to Norton and Hodgson, November 4, 1884, for machines of the same class, Held not infringed.

It is the duty of courts to construe a patent by a reference to the language of its claims and an examination of the specifications and drawings accompanying the same.

Where an invention is of a primary character and stands at the head of an art, it is entitled to a liberal construction of its claims, and all persons who make devices or machines operating on the same principle and performing the same functions by analogous means may be an improvement of the original and patentable as such, are to be treated as infringers.

An infringement takes place whenever a party avails himself of the invention of the patentee without such a variation as constitutes a new discovery.

When a combination patent covers a new arrangement of old elements, producing a new and useful result, the same may be protected by invoking the doctrine of equivalents, as against the substitution for any particular element of a different device known at the date of the patent as a means of performing similar additional functions does not prevent it from being an infringement.

There cannot be any infringement of a combination claim unless every element of the combination or a mechanical equivalent of an omitted element is used.

The opinions of experts are admissible in evidence in courts.

Prehensile Babies,

thropological Section of the British Association, which around it, as if endeavoring to supplement the hold of paper was by Dr. Louis Robinson, on "The Prehensile Powers of Babies." He regretted that he could not reproduce his experiments in public, because he had only more mobile, the hallux being especially free in movearrived in Edinburgh on the Sunday. Next day, how- ment. Frequently the great toe was bent across the ever, in the microscopic room of the anthropological sole after the fashion of a thumb, so that it almost ed from his account of what those experiments were.

young the mother ape required all her limbs for climb- individuals, as those of the hands were. He had obing, especially so when she had to traverse the branches tained about 500 prints from babies' feet, and had asrapidly in escaping from a foe. The young one, there- certained that although there was a certain range of muscles of the shoulder, girdle, arm, and forearm, es- of an aboreal state of existence. pecially the latter, at the time of birth. In order to placed his fingers against the palm, having first divest- ing men were lean and spare, like young apes. Speaked the child of all superfluous clothing. The contact at ing of the plump condition of babies, Dr. Robinson once caused the hand to close apparently by pure re- continued that during the recurrence of times of stress flex action, since it made little difference whether the among savages, the babe at the breast would be dea slight jerking motion, lifted his fingers, and found to the coarse food which in the case of the older savage his surprise that the child tightened its grasp and sufficed to keep body and soul together. It must, same result.

Scientific American.

that in most instances, if the child were in a good tem- ical research from the uttermost parts of the earth. periment whatever, and would hold quite placidly without a cry or grimace of pain until its fingers began to slip, when it at once evinced distress and screamed lustily, as from a fear of the consequences of falling. Indeed, it was quite evident that many of the little creatures felt quite at home in this pendent state of existence. Several proved themselves capable of hanging by one hand, bark.

This suggested to him to place some graspable object young babe suggested that it was much more hand-like in character than that of the adult. The toes were

his watch, and having taken all precautions by way of sharp and long-continued. For long ages during the putting pillows or having a blanket stretched by as- epoch of absolute savagery all the lean, ape-like insistants below the embryonic gymnast, he let him fants were eliminated, and only those which varied in hang as he would. To the astonishment of the experi- the direction indicated survived the ever-recurring menter and witnesses, it was found that in many cases periods of starvation, and became our ancestors. a newly-born child would hang and support its weight These naturally would tend to produce offspring simiwith ease for a minute, and some 30 seconds longer. |lar to themselves, and so the condition had become Several infants of under a week old hung for over a habitual. They saw then that when a proud mother minute and a half; a few others of a fortnight old for showed them the chubby, round limbs of her baby, nearly two minutes, and one child of about three weeks they had before them the record of an appallingly terold for 2 minutes 35 seconds. In many cases he was rible amount of human suffering written as plainly convinced that loss of temperature, rather than ex- and indelibly on that tiny plump baby as if recorded haustion, caused the babies to quit their hold, since on tablets of granite by the graver of a truthful histhey would renew their grasp and allow themselves to torian. Furthermore, the smile of the infant and his be lifted immediately after falling. He had himself convulsive mouth, when tickled, revealed to them tried hanging to the bar, and by the time a minute was strange and dark chapters in the early history of the Norton, November 7, 1882, for a machine for putting up his arms were thoroughly exhausted. Of course, it race. In conclusion, he said that they had with them, would not be fair to pit a trained gymnast against a within their very doors, an animal as interesting as newly-born infant. Still more surprising was the fact any which had been brought by the pioneers of zoolog-

The Origin and Diffusion of Cholera,

Surgeon-General Cornish, C.I.E., has contributed a paper to the current number of the New Magazine on the Origin and Diffusion of Cholera. Apart from the obvious interest which the subject possesses at the present time, when European countries are threatened with the prospect of a new cholera invasion on a large and in two instances the children grasped his finger scale, the paper merits attention from the fact that its irmly, and absolutely allowed themselves to be lifted author has acquired a practical knowledge and experiup while asleep. He then handed round for the in-'ence of the disease in the East from the official posispection of the audience a number of photographs of tion he held in India. Allusion is made, first of all, to infants hanging from the branch of a plum tree in his the great value of the late Mr. J. Netten Radcliffe's garden, with a piece of braid wrapped round it to keep labors during his lifetime in having conscientiously the tiny hands from the cold, rough surface of the chronicled and recorded the facts about the progress and geographical distribution of epidemic cholera With material so plentiful as it was-for he had seen from year to year, whenever that disease overflowed several babies since coming to Edinburgh—he ought, the limits of its natural home in the great river deltas perhaps, to have demonstrated the facts he had of Lower Bengal and India. Reliable information brought forward with living specimens. He begged from health officials regarding the progress of epidemic or equivalent combinations, even though the machine them to forgive the omission on account of the lack of cholera is essential to a correct judgment regarding the time, since he only arrived in Edinburgh on the previous liability of any particular area to invasion. So far as day, and he knew, of course, that it would be quite can be gathered, Surgeon-General Cornish says, the useless to endeavor to enter into any contract with an epidemic which now threatens the whole of Europe Edinburgh infant on the Sabbath. When they con- appeared in March or April of the present year in the sidered the generally feeble condition of the muscular northwestern provinces of India, attacked with great system in the newly-born, this remarkable strength and violence the pilgrims at the great Hurdwar fair, near efficiency of the flexor muscles of the digits appeared the source of the Ganges, spread through Cashmers altogether phenomenal. From their efficiency at birth and Afghanistan, reached Persia in May or June. they would seem to have to do with some habit of vital crossed the Caspian Sea and spread among the popu importance to the babe. Yet they found that among the lation of Asiatic Russia, from whence it is making newly-born offspring of the human race they were of no rapid progress in European Russia. The epidemic work ; and the fact that the substitute performs some use whatever. It seemed, therefore, legitimate to infer since April has traveled in a northwesterly direction that the astonishing prehensile power in the hands of and has covered or overflowed many thousands of the modern infant was a surviving vestige of the habits | square miles of territory. The history of the progress which for many epochs, compared with which the of the great epidemic of cholera of 1829-33 should be whole stretch of historical time was but a moment, closely studied by those who wish to understand the saved their aboreal forefathers during their tender significance of the present epidemic. Cholera hisyouth from destruction. He noticed during his experi-; tory, is very apt to repeat itself, and the circumpatent cases; but they are not conclusive upon the ments that all infants when hanging by the hands stances which happened in 1831 are therefore very drew up their knees and sprawled their toes about | likely to happen again in 1892 and succeeding years. The route taken by the present epidemic is almost idenagainst the sole of the foot near the toes, and he found itical with that which invaded Europe in 1831. It is Monday, August 8, was "monkey day" at the An- that at once the little creatures tried to clasp the toes quite a mistake to suppose that since India is the natural home of cholera the disease is everywhere present was crowded on the occasion. The most sensational the hands. A further examination of the foot of the there and ready to take an epidemic form. An epidemic of cholera follows the same laws in India as in any other country. It is endemic only in certain and limited parts, from which an epidemic advances occasionally, with intervening intervals of uncertain duration. Its progress is influenced by season and atmodepartment of the New University he laid out an ex- touched the fifth digit. In most infants the outer and spheric conditions, and after lasting a period of about hibition of photographs of his experiments, which ex- inner toe could be made to touch one another with three years the epidemic dies out. Surgeon-General hibition was unique in its character, as may be gather- ease with a little assistance from the observer. He: Cornish questions whether the cholera in the suburbs took some pains to ascertain if the various lines and of Paris, with its peculiar and circumscribed topo-Dr. Louis Robinson said that when carrying her creases on the infantile foot were constant in different graphy and weak infective power, can be attributable to the same cause as that which has invaded and is now advancing in Russia. He alludes to that country's half civilized acquisitions in Asian soil as a source fore, must hold on by its own strength, and it was plain variability, the chief lines were present in all cases. of difficulty and danger in this direction, and considthat every infant ape which failed to do so would fall Broadly speaking, these pedal markings were the same ers that, as far as the safety and happiness of her peoto the ground just at a time when the fall would be in the higher anthropoid apes as in the child, but in ple are concerned, the wealth now spent on the mainmost dangerous to life. That a young child had an the orang-outang, owing to the small size of its great tenance of a huge army and on ambitious schemes for inclination to close its hands upon anything which toe, had been placed somewhat differently. He was extension of territory would have been more efficienttouched the palm was a fact which had been noted by not aware that any explanation could be given of those ly laid out in the improvement of the sanitary and many, although no one appeared to have associated lines so characteristic of a prehensile organ on the foot social condition of the populations under her rule. As the instinct with the remarkable development of the of the human infant other than that they were vestiges regards land quarantine and sanitary cordons, which European nations are so ready to enforce against their If they were descended from an arboreal being, it neighbors, these have never been successful in keeping out cholera. In India, with ample military aid at hand, they have been tried again and again unsuccessfully. The only provisions on which any reliance can be placed are sanitation, a good water supply, efficient drainage, surface soil cleanliness, wholesome food and habitations. The invading cholera, if it does not reach this country in the present autumn, is, in Surgeon-General Cornish's opinion, likely to do so in 1893. Happily, allowed him to raise it from the bed, so that its whole therefore, fall back upon its own private store of adi- the early accession of cold weather has apparently had weight depended from the hold of its hands. This ex-pose tissue until times improved, and another deer or the effect, to which he alludes, of repressing the properiment was performed with a considerable number | bison was slain by the hunter of the clan. It seemed gress of the disease for the present. The moral of this of babies, some of which were absolutely new, with the probable, considering the universality of the obese and matter lies on the surface. What we have to do in the rotund habit of body among our little ones, that the meantime is to seek out and repair the weak places in

test the power of gripping in the young infant, he seemed plain that the babies of the earliest earth dwellchild was asleep or awake. He then slowly, but with prived of its natural food, for it could not make use of He then determined to time the performance with pressure brought to bear by dire necessity was very our sanitary harness.—Lancet.