Scientific.

alo Medical College on asphyxia, and particu-demonstration. larly that form caused by wearing tight cra-

clergymen, have literally hung themselves by and another small drum is also in contact with wearing cravats and stocks, high and tight, it on one side. These two, the arbor and the thereby impeding the return of blood from the the small drum, are banded together, their head; this can be explained on physiological band being all that seperates them from the is sent to the substance, and unless it can find drum for about 30 degrees. a ready return, produces congestion and apoplexy.

and the mind returns to its original clearness. velocity is required .- Commonwealth. In clergymen who are particularly prone to bundle their necks with large cravats, bronspeak extemporaneously can speak longer and and pans, as superior to the Chinese: with greater ease than those who read, as their bany Register.

Artificial Teeth.

A most important discovery, says the Traweller, has lately been made in the manufacture of artificial teeth. The author of the inafter experimenting for eight years, has produced a composition of mineral substances which can be united by tusion to metallic plates, thereby securing some most important advantages over the block work heretofore employed in dental surgery. Greater strength is secured by this process, and a better color who mended an iron pot by the above plan up--even the most delicate tints-can be given to the gum; it obviates the necessity of soldering the teeth to the plate, and prevents any warping of the plate noon which the teeth are set; it secures cleanliness, as not the slightest moisture ever can get between the plate and the teeth; and by this method also, teeth can be inserted with much greater ease and facility.

the inspection of dental surgeons, extensively, and they have pronounced it a decided and great improvement upon all former methods of preparing and inserting teeth.

and inserting teeth upon Dr. Allen's plan, and ing 1200 pairs does not exceed \$3. who is perfectly familiar with the process, and able to execute orders in the most thorough and finished style.

A Useful Invention.

Among the patents recently issued is one to R. W. Parker, a house joiner of Roxbury, for an improvement in belting. By this improvement Mr. Parker is able to drive a circular saw by hand so as to enable one man to follows: do the work of three or four-in fact making a hand machine more efficient than one driven by horse-power.

Having tried the machine and timed it carefully by a watch, we think it safe to say that a man can cut boards with it full three very little effort. Every worker in wood will at once see its utility; and we have the pleas-

the actual machine to Washington and show-metal will be restored.

vats, may be of interest to the general reader, between his power and the arbor of his saw, American. Cravats were first worn by the Croats in Mr. Parker has one drum, two and a half the sixteenth century as a part of their mili-feet in diameter, to which his handle applies There is no band around this drum. But Public speakers, members of Congress, and resting on it at the top is the arbor of the saw, On Varieties of Symptoms in corresponding Dis-

ward of twenty years ago, and he has used it ever since.

The first cost to manufacture ladies' India kept a secret. This art is of great value and importance, and has not yet been discovered in Europe. The profits on this buisiness will The discovery being made, it depended of reach almost \$2,000,000 in a year, and the course upon enterprising and skilful Dentists present manufactories cannot supply the dethe reach of the people, and we are glad to be have only about 31 ounces of rubber, the othable to say that in Boston the new discovery is er materials being worth only from I to 6 the in hands of a Dentist who has gained a wide cents per pound. One girl can make 20 pairs has purchased the patent right of preparing per pair. The expense of curing and heat-

figures which adore and embellish them are short it is of such a form, and has such connector of simple digestive processes. This sym-

in favor of a patent till Mr. Parker carried of heat, the oxygen will be driven off, and the thus assumes is obviously one calculated to

Instead of having a series of banded drums ed vermillion, will be produced .- [Scientific cal conditions peculiar to each animal.

The Farm.

cases of the Horse and Cow.

inducing catarrh in the horse.

which these shoes are made has thus far been anatomical structure and functions associated to organs which are the sort of distension in therewith, and to illustrate this view, a few the horse. that a horse will not do the same. An ani-organs. For instance, diseases of the lungin different cities and towns to bring it within mand. Shoes which weigh 9 ounces per pair mal suffering from disease, naturally seeks liver, or throat, are frequently attended by coreputation. We refer to Dr. Hitchcock, who per day, for which her wages are 2 or 3 cents outwards, in order that by doing so, he may pend on the fact that the stomach always con-PAPIER MACHE Goods .- The beautiful pa- ed to their cartilages without true or synovial paired or impeded, action, more purely chemipier mache goods which are so perfectly dis-joints, and are thickly clothed with flesh. His cal than vital in character, is established, played at our jewelry and fancy stores attract breast bone is narrow from side to side, short, which favours the generation of gas from mamuch attention and admiration. The pearl and convex below from before to behind; in cerating food now, as it were beyond the connot inlaid, as is generally supposed, but laid tions as do not admit the horse fully to rest upon pathetic distention (if such may be called), is on. The process, which is very simple, has it when laid down, or, if he do lie down, his almost invariably present in cases of choking been in use about twenty years, and it is as position for free breathing is not nearly so and is sometimes so severe as actually to cause favorable as when he is standing.

forms as may be desired, is laid upon the ar- flatter than in the horse, are united to heir car- exists in that animal, and if unacquainted with ticles to be ornamented; a little copal or other tilages by true synovial joints which allow of the peculiarity in the cow just alluded to, he varnish having been previously applied, the much motion; the breast-bone is broad from would, when called to a case of the kind, bepieces of pearl at once adhere to it; thereaf- side to side, flat on its under surface, and at the puzzled to account for appearances with which ter repeated coats of tar-varnish fill up the prominence known as the brisket is raised into every herdsman is familiar. times as fast as with a handsaw, with more interstices and eventually cover the pearl; a considerable jointed protuberance which is ease, and do the work vastly better. The machine is so adjusted that it performs the face is produced, and the pearl exposed by ar to every one. In a recumbent position the biting, &c., with perfect precision. The totton-stone, and finally "handling," or polish-such contact with the ground as to afford a speed of the saw is got up instantly, and with large space for receiving the weight of the nody; the jointed protubreance, with its pad by being from the air, charcoal, laid in the folds EXPERIMENTS .- Melt any quantity of lead just named, by being pressed on from below, will soon remove it. ure to say that Mr. Parker sells to individuals in the open air, and keep it melted until it transmits this pressure to the joints or points of If black dresses have been stained, boil a handbecomes red lead, and it will be found to have motion between the ribs and their cartilages, ful of fig leaves in a quart of water, and reduce it to The invention by which this extraordinary result is produced is a very happy one, and so simple that the examiner at the Patent Office air, and it will slowly combine with oxygen, fect could be produced, and would not report

afford relief; whereas to the horse it would oced it in full operation. Seeing is believing, and Place together, on a shovel, a little sulphur casion an increase of distress, yet an explana-Professor Hamilton's remarks at the Buff- the patent was granted at once on the ocular and mercury, and make the whole red hot tion of this fact could not be rendered without over a strong fire, and the beautiful paint, call- our possessing a knowledge of certain anatomi-

Horses are very liable to serious and fatal diseases of the bowels, such as constipation and inflammation, &c. The liability to these is much increased by pursuing certain plans of feeding, and by giving kinds of food ascertained to be injurious. The stomach of For many years after the establishment of the horse, although subject to disease also. the first Veterinary School in this kingdom, is less frequently affected than the bowels. the diseases of horned cattle received but little In the cow matters are reversed. She is esprinciples; the brain, in speaking, is excited periphery of the large drum, so that the lower consideration from those on whom the duties pecially prone to diseases of the stomach, and to increased action, a larger quantity of blood side of the band is in contact with the large of teaching devolved .- Professor Coleman proportionately less disposed to suffer from when appealed to regarding the importance of diseases confined to the bowels. To explain By turning the large drum rapidly you put teaching cattle pathology, replied, to the ef-this circumstance, we must remark that the the small arbor into a velocity, at once, in the fect, " that those who understand the diseases stomach of the horse, when compared with Students are not altogether free from the inverse ratio of the diameters, and there is of the horse cannot be under any difficulty, the size of his body, is but small; it is simple effects of this litigation of the neck. It is no slipping of the band in working. The when required to treat the diseases of cattle." in form, and not adapted for retaining articles surprising how little pressure is necessary to gain in compactness of machinery and econo- Every veterinary practitioner, however, is of diet for any great length of time. Food prevent the ready flow of blood from the head; my of the power which in the ordinary mode fully aware of the fact, that the diseases of passes from it speedily into the intestines, those who bend their heads forward, as in is wasted on the necessary friction, must be cattle, although many of them essentially the which organs are very voluminous, and are writing or studying, are apt to feel a dizzi- obvious to any intelligent mechanic. Its ap- same in nature as in the horse, are still de- fitted to render more complete the digestive ness and heaviness in the head which loosen-plication will of course be widely extended in noted by somewhat different symptoms from process commenced in the stomach. In the ing their cravats or collars altogether relieves, driving various kinds of machinery where high those manifested in the latter animal. Some cow the stomach is immensely larger, both abdiseases are incident to cows which do not solutely and relatively, and much more comoccur in the horse, and the progress and ter-plicated in structure than in the horse. It is To MEND IRON Pors and Pans .- A cor-mination of others are much modified by her so divided into compartments as to receive the chitis is induced, and the vocal chords be- respondent of the Scientific American gives the peculiarity of temperament and constitution. food when first swallowed, then after subjectsome relaxed as the consequence. Men who following receipt for mending broken iron pots As illustrating the bearing of the statements ing it to a macerating comminuting process, here made we may give a simple example or allows or facilitates its return to the mouth " Take two parts of sulphur, and one part, two. A horse affected with inflamation on for a second chewing, and, receiving this food voice is not confined as much to one key, and by weight, of fine black lead, and put the sul- the lungs will not lie down, but a cow labor- a second time, subjects it to a kind of further can be modulated with greater freedom .- Al. phur in an old iron pan, holding it over the ing under this disease will frequently main-sifting or grinding, preparatory to its full difire until the sulphur begins to melt, when the tain the recumbent position for hours togeth- gestion in another part of the stomach. This black lead is added, stirred well until all is er. A horse affected with inflamation of the complicated arrangement ensures a digestive mixed and melted, and then, in its molton bowels, betrays his suffering by urgent symp-process much more complete in the stomach state, the compound is poured out on an iron toms of agoutzing distress, and fequently dies of the cow than that of the horse. The complate or smooth stone. When it has cooled in four, five or six hours after the commence- plex anatomy of her stomach, however, and down it is very hard, and is then broken in ment of the attack. A cow laboring under the more elaborate nature of its functions, vention is Dr. John Allen, of Cincinnati, who, small pieces. A quantity of this compound is the same malady does not show anything like render that organ more liable to disease than placed upon the crack of the iron pot to be the same amount of distress, and although in an animal where these conditions of commended, and by a hot iron it can be soldered she may eventually die, will often live for a plexity do not exist. That part of the stomin the same way a tinsmith solders his sheets. week or ten days. Horses are very subject ach of the cow lying in connection with the If there is a small hole in the pot, it is a good to "cold" or catarrh, especially affecting the left side of the body, is often the seat of peplan to drive a copper rivet in it, and then sol- head and throat, but frequently suffer derange- culiar affections, denoted by symptoms which der it over with this cement. I know a person ments of the udder and bowels from causes a person only conversant with diseases of the horse would be unable to explain. Thus we Seeing these points of dissimilarity (and frequently have distension of this organ by many more could be enumerated), we have gas to an enormous extent, whereas in cases just grounds for stating, that fully to under- of windy distension of the belly in horses stand the apparent difference between certain the intestines are involved equally with, ubber shoes is about 22 cents per pair, and diseases in the borse and cow, and in order to and frequently more than the stomach. The the retail price is \$1. The first cost of those avoid being misled by the same, it is surely relief of this distention in the cow as a simple for men's wear is from 33 to 38 cents per of much importance to inquire into the con- and more summary affair than in the horse; bepair, and the retail price about \$1,25 to\$1.50 ditions upon which they depend. First, then cause, in cows, the position of the stomach alper pair. The daily product of the United we conceive that some of the differences al- lows medical and surgical remedies to be more Dr. Allen has submitted his invention to States is about 15,000 pairs. The process by luded to may be explained by peculiarities of freely and directly applied to it than they can

> special examples are here introduced. It has It is a very common circumstance for disjust been said that a cow will he down when tention of the stomach by gas to take place in labouring under inflamation of the lungs, and the cow in connection with diseases of other those positions of the body which afford great- pious evolutions of gas in the stomach, a conest relief; thus a horse, in inflamation of the dition never seen to the same extent in the lungs, stands with the elbows turned widely horse. In the cow this seems mainly to deallow oppressed organs in the interior of the tains a considerable quantity of food, and if, chest to expand as freely as possible. His from the existence of disease in any part of the ribs are strong, tolerably perfect arches, unit-system, the functions of the stomach are imdeath. A person who has seen a horse cho-"The pearl shee, cut into pieces of such The ribs of the cow on the other hand, are ked is well aware that no such distension

JOHN BARLOW, V. S.

Cedar chests are best to keep flannels, for cloth, operations of cotting, splitting, beviling, rab- rubbing with pumice-stone, polishing with flat lower surface of the breast boue comes into moths are never found in them. Red cedar chips are good to keep in drawers, wardrobes, closets,

trunks &c., to keep out moths.
When clothes have acquired an unpleasant odor