corded of one hospital that the deaths, which pying but little space.

when testifying to the marvelous results of linings with fire-brick instead of iron. the introduction of sanitary measures in the The intimate connection between warming Crimea, says, "The first requisite in all cases and ventilation has led to a digression, in rewas improved ventilation." The opinion of turning from which I would remark, that the Miss Nightingale on this, as well as on other greatest difficulty to be overcome in all ar- but what was considered as possessing any points which come within the scope of our in- rangements for natural ventilation, which degree of interest, has been selected from ex- sions. quiry, are so well known that a frequent ref- provide an exit for the vitiated air, separate erence to them might be deemed superfluous. from that by which fresh air is introduced, is I cannot, however, withold a quotation from the securing that it should always thus act, epitome: such eminent authority, which strengthens and not become the medium of ingress for cold my general argument. Alluding to the enor- air, as is often the case, on a change of temmous mortality of children, Miss Nightingale perature in the apartment, when no artificial turned home from the coasts of the Faroe Garibaldi had replied to an address from says, "The causes are perfectly well known: means to prevent it are provided. they are chiefly want of cleanliness, want of Gas is sometimes used for this purpose, in ventilation, want of whitewashing-in one order to rarify the air. I have successfully word, defective hygiene."

gained in poorhouse dermitories, prisons, &c., other, thus receive from the same quarter the be inaccessible. The severity of the season Victor Emanuel shall be raised." has led to the conclusion that from 450 to 500 | combined benefit of light and ventilation. to be the case even when the cholera raged in ventilator made by Hart. Where, however, imation. Lord Palmerston had given a grand ration of the annexation of those provinces to

ternal court.

used its exit should be both complete and continuous.

# HOW TO VENTILATE.

them, as well as by chimneys and fireplaces, perfect, but that is probably unobtainable which are important agents in natural venti- without some such artificial appliances as lation, and may also by scientific arrange- have now to speak of. ments, be made conducive to an efficient system of artificial ventilation, peculiarly applicable to dwelling houses.

It must be obvious that improvements easily adopted in new are not always applicable to old buildings, but as far as circumstances allow they should be carried out, from a conviction that pure air is indispensable to a

healthy state of body and mind.

open at the top as well as below, and suitably glass, zinc, tin, &c.

Whenever a fire is lighted in a room the lower stratum of air is immediately set in movement, a current of air is established from the crevices round the doors and windows, or from any other openings, toward the chimney, whereby much of the vitiated air is carried off. This process of ventilation takes place in a slight degree when there is no fire in the chimney, and therefore bed-rooms are much more healthy with a chimney than without.

An independent supply of fresh air may be introduced into most rooms which have a fire- ployed, has not this injurious effect. place, by conveying it through a pipe or chanan air chamber constructed at the back or sides of the stove, in order that it should be there warmed before entering the room. The same, or separate pipe or channel, may also be used for feeding the fire with air, indepenshould pass out at the cheeks of the stove, impunity as an auxiliary to an open fire. rather than beneath the grate, which is liable to cause a diffusion of dust in the room. Such an independent supply is calculated to keep the chimney from smoking, as well as cold draughts passing from the windows and doors to the fire. It also renders chimney ventilatan emission of smoke into the room. These ment whatever noxious vapors may be within household will be repressed, and its functions closure the latter part of last month. The owner is revalves would be invaluable for the discharge its reach. of vitiated air, which is their intended purpose, were it not for this occasional ingress of smoke. The most effective means of avoiding that evil is the carrying up an independent flue in close contact with the smoke flue con- dispense with an ample provision for natural functions of the ministries of public instrucstantly in use; the air within it is by that venti ation in dwellings-at all events, until the tion, works, agriculture and commerce.

before the ventilation were one in six, were In reference to fire-grates generally, I would after the ventilation reduced to one in twenty. recommend, as one of the most useful modern Mr. Rawlinson, the sanitary commissioner, improvements, the forming of the back and

applied it within a shaft or tube of wood, The cubical space required to keep a healthy placed behind a square of glass. The air enman in full vigor is a question of much im- ters through perforated zinc, having a fall portance, and one on which very different down hopper before it. The apartment, or opinions have been expressed. Experience rather series of dormitories, one above the

cubic feet are requisite, and that the ventila- Tubes of wood, perforated with holes, or been greater this year than for twenty years voked and forthwith dissolved, in order to be tion should be such as will cause an entire re- having chinks at the angles, may with advannewal in the air about once in the hour. Ob- tage be fixed for ventilation in the angles of servations made at the model lodging-house the ceilings to common rooms, or be carried in George street, St. Giles', which is a con- across the ceiling, in which latter case, they Duke of Newcastle. fined situation, satisfy me that the cubical have occasionally been used for admitting space of 535 feet, which is provided in the fresh air, as well as for the exit of vitiated dormitories of that building for each inmate, air. These tubes distribute the air more genis, with proper ventilation, abundantly suffi- erally, and are not liable to be closed, as is cient to render them healthy; such was proved | the case with Sheringham's, or the cottage the neighborhood, and had not a single victim tubes are not used, the most simple way of in- banquet to the members of the Cabinet, and Sardinia. out of the 104 men who lodged within its walls. | treducing fresh air, apart from a window ven-From this fact, I think it reasonable to infer | tilator, is by fixing one of the ventilators just that the cause of unhealthiness in the Welling- named in an external wall near the ceiling, dance. ton barracks, where the cubical space per with an air-brick outside. In small rooms man allowed in the dormitories is stated to be with a fireplace, this addition to the usual 500 feet, must be caused, not by want of space, means of changing the air, generally suffices tion, on the safe return of the Prince of but by some other existing evils, particularly to keep them in a healthy state. At the same Wales. defective ventilation, pointed out in the re- time, it is desirable that there should be an port made to the general board of health by opening for the escape of vitiated air near way steamer, Connaught, was in progress at ber 22d. the commission on warming and ventilation. the ceiling. This is most indispensible in the Greenwich police-court. All dwellings should be so constructed as small bed-rooms without a fireplace. In some that they may be everywhere accessible to instances it may be effectively done by means the top; in other cases, an opening may be The state of the surrounding air has neces- made over the door, with perforated zinc fiting, and the renewal of the latter should al- in some situations, be used, and it should be ways be sought from the purest source, in- remembered that where openings can be formstead of the supply being drawn, as it often is, ed on the opposite sides of rooms, the air will from a low, damp situation, or a confined in- be most speedily and effectually changed.

Amongst various devices for effecting ven-The main practical question is, in what tilat on without artificial aid, is that of Mr. way the air which has become vitiated can McKinnell, which has been much used in be renewed with a supply of pure fresh air, Glasgow, and lately in England. It combines without the creation of a draught injurious | the admission of fresh air by an outer tube, to the health? To do this the air must enter surrounding an inner tube, through which the make its escape. The tubes are fixed in the windows and doors, with the crevices round action is required to render this ventilator Savoy and Nice, will be transferred to France. taken at Chang-Kia-Wau.

WARMING.

by the action of valves, fans, pumps, screw thrown in the way by the government. cluding gas, and a variety of contrivances, in the constitution, in a liberal sense, were on the 22d of October. whereby air is either drawn out or forced into projected. the apartment. In the one case the space oc- The plan of a naval reserve had been adop- that on the 23d of September, the allies were cupied by the vitiated air which is withdrawn, ted by the Emperor. This would afford a within six miles of Pekin. Windows, properly constructed, made to is replaced by an admission of pure fresh air; large number of regularly trained seamen .and in the other the pure air forced into the Another iron plated frigate had been laid placed, afford the most ready means for the apartment causes a displacement of the viti- down at Rochefort. natural ventilation of dwellings, besides which ated air, for the escape of which due provision There were rumors that Counts Persigny prior to its distribution in the apartment. The sary. best means for effecting this, is by bringing it | The France Contrale, of Blois, has been susin contact with heated firebrick, suitably ar- pended for two months for "violent attacks on ranged in stoves or furnaces. When heated the constitution, and attempting to excite poiron is used for this purpose, the air is liable litical passions, under pretence of defending ing property, and paying charges. to be deteriorated, or, as is commonly said, is the interests of religion." burnt. Hot water, which is similarly em- The following Imperial decree had been

nel formed under the floor, or in the wall, to healthy system of warming than those arrange- in the general policy of our government, and ments which provide only for raising the tem- a marked proof of our confidence, we decree perature of the air already in the apartment, that the senate and the corps legislative shall City), or to John White, Farmington, will be liberally vitiated as it may be. Such is mostly the case annually vote an address in reply to our rewarded. when the German hot air stove is used, and speech at the opening of the chambers. This also when hot water is circulated through the address will be discussed in the presence of dent of that in the room, for which purpose it apartments. But either may be used with the government commissioners, who will give

would prove it to be.

## FOREIGN NEWS.

The latest dates from Europe, by last mail, are to December 2d. There is nothing particularly new from that quarter of the world, changes, and may be found in the following

### ENGLAND.

The Arctic exploring yacht Fox, had re- the plebiscite in those provinces. in the northern regions is reported to have The Piedmontese Parliament was to be con-

The Empress of the French continued in Italian State. Scotland. She had quitted Edinburgh for The municipality of Ancona, had opened a cordial.

on the 22d ult., the Queen held a cabinet council, at which all the ministers were in atten- and were repulsed with great loss.

of the Hero and Ariadne, had received promo- such, by the Italian Parliament.

The official inquiry into the loss of the Gal-

At Southampton, November 24th, the royal mail company's steamer, La Plata, took fire pure air, and free from stagnation in any of a pipe carried through the roof and bent at between one and two o'clock in the morning, in the outer dock. The flames raged with great fury, although about twelve engines and sarily much influence on that within the dwell- ted in. Perforated or ventilating glass may, two steam tugs were speedily got in readiness, and commenced pouring vast quantities of water into the ship. The La Plata was one of the finest steamers, and the loss sustained was very serious.

The Times says: American railway securities showed increased flatness.

FRANCE.

The Moniteur publishes a convention between the governments of Sardinia and France, guns taken. The allies had only 8 wounded. copiously, but almost imperceptibly, and when vitiated air should constantly ascend and arranging several questions in reference to the annexation of Savoy and Nice. It was with the provisions for a treaty. Lord Elgin centre of the ceiling or roof, and by a broad determined that the portion of the Sardinian demanded the release of the prisoners before flange or fan, extending from the inner tube, debt chargeable to Savoy and Nice, should be negotiating. below the level of the ceiling, and reaching 4,500,000 of Sardinian rent-which the French Ventilation is of two kinds, natural and ar- beyond the outer tube, the pure air is diffused government will remit to Sardinia. The tificial; the former being effected by means of as it enters. The certainty of a uniform charges incurred by Sardinia on account of

It was reported in Paris that the Emperor intends paying a flying visit to Windsor in the course of a few weeks, to meet the Empress.

Artificial ventilation is ordinarily effected Pence," notwithstanding the impediments

are the contrivances of louverts, of perforated must be made. In both cases a just propor- and Walewski would both enter the ministry. tion between the volume of air which ought | It was said that, according to ancient preto enter, and that which should be expelled, cedent, if the Emperor could find three Preis necessary, and in order that the fresh air lates sufficiently docile to join in the imposimay be adapted for use at all seasons of the tion of hands, the Pope's assent to Episcopal year, means must be provided for warming it, appointments, would be regarded as unneces-

published: Desiring to afford to the great Nothing can be more inconsistent with a | bodies of the State a more direct participation the necessary explanations on the interior and 45 When fresh air is forced into an apartment exterior policy of the empire. Regulatory through suitably placed openings, it becomes measures will be taken, in order to facilitate more generally diffused than it does when its to the corps legislative the expression of its I months old, was taken up by the subscriber, in the entrance is dependent on the withdrawal of opinions, and the publicity of its debates .- | 16th Ward, Nov. 25th, 1860. The owner is requested to the vitiated air by means of suction, the ten- During the session, the Emperor will nomi- prove property, pay charges and take away. dency of which is to draw the fresh air toward | nate ministers without portfolios, in order to | ing valves more certain in their action than the point of exit, instead of leaving it to dis- defend, conjointly with the councilor of State, they often are, owing, generally, to an insuf- perse and circulate freely. Suction involves the government projects of law before the ficient draught in the chimney, which causes the further disadvantage of setting in move- chambers. The ministry of the Emperor's H off left ear, and a brand on the left hip illegible. The united with those of the marshal of the pal- quested to take him away. Information can be obtained My object in giving these latter details, ace, The ministry of Algeria and the colo- from Angus M. Cannon, at 7th Ward Pottery. which are mainly applicable to artificial ven- nies is suppressed. The administration of the tilation, will be misunderstood if it were in- colonies is united with the ministry of marine. ferred that I would, under any circumstances, The decree also orders some changes in the

In hospitals the want of due attention to means rarified, and the action of the valve science be more thoroughly mastered, and its Chasseloup Laubut has been appointed marine this important branch of hygienic science has rendered more efficient. Tubular flues, made practical application more simplified than the and colonial minister. Marshal Pelissier has too often lead to the aggravation of disease double for this express purpose, are found to report of the government commissioners on been appointed governor chancellor of the leand the destruction of human life. It is re- answer well, and have the advantage of occu- warming and ventilation, before referred to, gion of honor. That part of the public service which is not directly connected with public instruction, as well as the special establishment of the university, is transferred from the ministry to that of the State."

ITALY.

There had been a change in the Neapolitan ministry, and it was considered certain that a State council would be convoked. This council is only convoked on very important occa-

King Victor Emanuel was expected to quit Naples for Palermo, on the 25th. He had received a deputation from Umbria and the Marches, which presented to him the result of

Islands, Iceland and Greenland, where she has the committees of assistance, which organbeen engaged surveying the route of the pro- ized the expedition to Sicily. He says:posed North Atlantic Telegraph. She suc- "What you have done for Naples and Sicily, ceeded in examining and sounding the fords you must also accomplish for Rome and on the south coast of Greenland, and proving | Venice. Do not separate; do not leave your their practicability for the reception of a undertaking incomplete. The end must be atcable. She also coasted down a considerable tained. You will see me ever ready to hasten extent of the east coast, hitherto supposed to to the spot where the standard of Italy and

replaced by an Italian Parliament. There The report was confirmed, that the Queen was a strong party desirous of the election of would confer the vacant "Garter" on the a constituent assembly of the whole nation, in order to establish the constitution of the new

Perth. Her reception at all points was quite subscription for the construction of a war vessel, which the marine of the provinces would In politics, there were signs of returning an- offer to the marine of the State, in commemo-

The garrison of Gaeta had made a sortie,

Victor Emanuel had deferred taking the title The commanders and several of the officers of King of Italy, until he should be declared

CHINA.

The latest news from China, is to Septem-

The following telegrams are published:

HEADQUARTERS, eight miles from Pekin, ? Sept. 23. Mr. Boulby, the Times' correspondent, Mr.

Loch, secretary to Lord Elgin, Mr. Parkes, Messrs. De Nouman and Anderson, of Fane's Horse, and Captain Brabazon, have been made prisoners whilst engaged in choosing camping grounds. They have been taken to Pekin, where they are well treated.

Engagements were fought on the 18th and 21st Semtember, at Chang-Kia-Wau and Jang Chan. On both occasions 20,000 Tarter cavalry advanced, and were completely routed by the allies. 2,000 Tarters were killed and 50

The Chinese have sent in a flag of truce,

The Emperor's brother has been appointed chief commissioner to make peace.

Tea to the value of £250,000 sterling, was

Shanghai, Oct. 4.—All is quiet. The rebels are threatening Houng Chan.

The Archbishop of Paris has issued a cir- JAVA, Oct. 14 .- The Dutch troops at Bancular, advocating the collection of "Peter's jermassing, have been thrice repelled by the

Point DE Galle, Nov. 1 .- Sir Charles furnaces, stoves, or other artificial heat, in- It was reported in Paris that some changes | McCarthy assumed the government of Ceylon,

The latest government dispatch announces

On the 31st of December, 1860, in Mill Creek Ward, by Elder John F. Snedaker, Mr. DANIEL G. BRYAN, late of Pennsylvania, and Miss MARTHA E. ASH-WORTH, formerly of England. [Mill. Star please copy.

# New Advertisements.

CAME TO MY INCLOSURE IN April last, one black OX, branded X, lined back,

I tip of the tail white. The owner can have it by prov-WM. HOWARD,

Big Cottonwood Ward.

LOST,

TIWO HORSES, one of roan color and branded M on the left thigh; the other black with white stripe on its face and on one hind leg. Whoever will bring the same to Charles W. Stayner (near the Arsenal, G. S. L.

UNION ESTRAY POUND. HAVE in my Pen Three CALVES, swallow shit in

the right ear. The owner will please call and pay lawful expences and take them away. JAMES C. WALKER, Poundkeeper.

FETCH IT AWAY.

MHAT lost Heiser CALF, red and white, about five WM. WOLSTENHOLME.

TAREN UP,

A Red and White OX, about six years old, with crop FRANCIS RAYMOND.

ESTRAY CALF. Red and White Steer CALE, line back, black legs, white belly and white tail. The owner is requested to prove property, pay charges and take him away. JOSEPH HARDMAN. 17th Ward.