some real benefit to the mind."

Similar in nature and importance is the habit of rapid thing to do with sewing machines being sufficient to kill it. and accurate observation, the great value of which was the subject of an address to the Dairymen's Association, delivered by Hon. Horatio Seymour. In the course of his remarks, he said:

"It seems singular that some men pass through life without observing things which come before their eyes almost daily. An intelligent farmer once told me that he would not with the Batchelder extension, may succeed in their nefarirecognize any of the horses belonging to his neighbors, ex- ous endeavors. cepting those noticeable from some peculiarity of color. A Chicago merchant, who daily drove his own horse eight or marks, which takes effect May 1 next, and our Consul Geneten miles, told us he had never noticed any difference in the ral at Berlin has sent to the Department of State a translamovement of horses: did not notice the difference between | tion thereof. The leading features, so far as it relates to trotting and pacing. A college president is said to have made | persons not residents of Germany, are as follows: "The the question 'in which way do the seeds lie in an apple?' a test of the habit of observation among his students. Our tection in Germany unless they are registered in the Court more to do with it than to see that my instructions, and those tests with this question would indicate that more than one of Commerce at Leipsic, and unless German trade marks are half of the average men and women either don't know, or in like manner protected in the country of the non-resident will answer incorrectly. We once received a well written seeking protection in Germany. The non-resident is also essay on the value of observing closely, yet there was not a capital letter or a punctuation mark in the half dozen pages, diction of said Court of Commerce in all cases arising under Many such instances could be given, were it necessary.

"This matter is not one of slight importance. The carefully observant man will see things which will be of pecuniary importance to him, while his ill trained neighbor may lose by not seeing. The farmer with habits of observation is limited to the same period of time as is allowed to them in will notice slight symptoms of illness in his animals or plants; their own country. will readily see the effect of this or that practice; will much more quickly discover countless little things which, if neglected, may result in serious loss.

childhood, and it certainly should be the duty of parents and | The bill authorizing this statue was passed some three years other teachers to help children to learn to observe carefully, quickly, accurately. It is told by some one that in his childhood he practiced running past a shop window and then pete; but the committee in charge of the matter failed to stopping to describe as many articles as he could recall, and agree, and at the last session the selection was referred to a in this way he acquired wonderful quickness of observation. commission, consisting of the Secretary of the Navy, Gene-There are hosts of points to which a farmer's boy should ral Sherman, and the admiral's widow, who awarded the have his attention called at an early age. Suggestions as to contract to Miss Ream. the mode of growth of plants, the form of a leaf, growth of a fruit, or the pointing out of peculiarities of different classes of animals, may do him great good in developing this habit, and also have a marked effect in interesting him in his

"This habit of observation should not be confined to the things we see alone, but should extend to the things we hear, and those we read as well. In this latter matter, there is great lack. Many read to little profit because they have not trained themselves to observe carefully.'

Correspondence.

Notes from Washington, D. C.

I'v the Editor of the Scientific American;

another has been introduced by Mr. Archer in the House, | a scientific, journal. He, in that remark, illustrated very amending the acts relating to trade marks and labels, which | well the chief difficulty under which the American Institute provides for the registry of trade marks, labels, or stamps, for terms of thirty, ten, or five years, on payment of fees of \$25, \$10, or \$6, according to the length of the time applied for; but only half of the two first sums has to be paid in advance. It also provides for reissues and appeals to the Dis-

Another bill, introduced by Mr. Hoskins, provides for the for seven years more.

In the Senate, a bill has been passed enacting "that the content. act approved March 9, 1868, authorizing the issue of a patent for induction apparatus and circuit breakers shall not stitute"), if not intended, is nevertheless calculated, to reflecbe construed as authorizing the issue of a patent for any in- upon me, notwithstanding the saving clause ("certainly in vention applicable to telegraphic apparatus; and any issue, one acquainted with the gentleman will venture the asserunder color of said act, of letters patent for any such invention that he could be biased, even in prospect of a possible have innumerable vortices on their peripheries. The detion applicable to telegraphic apparatus, is hereby declared fat commission"); and I desire in reply to it, and in order to structive vortices are caused by the interruptions on the surto be null and void, as contrary to the meaning and intended to the hight of your protestant, or any one else face, and would not, even if they extended to the hight of tion of said act of March 9, 1868." This has reference to the who may be disposed to make themselves unhappy over the the balloon, be dangerous to it. patent granted to C. G. Page for his induction apparatus and result of these rotary engine tests, to say a few words as to circuit breakers, so extensively used in telegraphing.

acts "that it shall not be lawful hereafter for any person; supposed negotiations of stock, and subsequent business re- channel for exploration, or some other willing adventurer, who has been appointed, or who may hereafter be appointed, as an officer, clerk, or employee in the Patent Office, to act as counsel, attorney, or agent for prosecuting any application for a patent, or an extension thereof, which was pending in said Office while he was said officer, clerk, or employee, nor by any means to aid in the prosecution of any such application, within four years next after he shall have ceased to be such officer, clerk, or employee."

A resolution has been adopted by the House, on motion of Patents to inform the House whether patents are now issued for chemical compounds; and if not, why not?"

chine lobby would fare badly, the Senate committee having | therefore hold myself responsible for any error or unfairreported adversely on the Wilson extension; and the House committee have agreed to report the same way, though, I customary acumen and forethought, in consultation with believe, they have not yet done so. The temper of the Sen. myself, decided to send four of the graduating students of ate in this matter of sewing machine extension was shown the Stevens Institute to attend each of these trials, in order, in the case of John VV. Marsh's application for an extension first that the results might not be questioned by the defeated for a patent on a trimming attachment to sewing machines, contestants, and, additionally, to give the young men an op- the amount of the explosive (let into the cylinder at each stroke

pursue it with a consistent progress that shall eventuate in was made, the bill was refused a third reading by the sig nificant vote of ayes 13, noes 23—the fact that it had some. As an additional precaution, one of the young men, at the

> Notwithstanding this, it is possible that the Wilson extension may go through, as it is said that \$250,000 have been raised to influence the right parties to work for its passage; and they will do all that can be done to put the case through. As "there's millions in it," those engineering the matter will Judges, in possession of the American Institute. do their best, and, by watching their chances, as they did

The German Parliament has passed an act to protect trade trade marks of non-resident traders are not entitled to prorequired to file a declaration that he will submit to the juristhe provisions of said acts, and to furnish proof that in his own country all the conditions are complied with under which the non-resident can claim protection for his trade marks. The right of non-residents to use a trade mark in Germany

Those of your readers who are interested either in art matters or women's rights may like to know that Vinnie Ream unfairness in these trials, or errors in the results obtained by has secured a contract to execute a bronze statue, of heroic As in the case of habits generally, much can be done in size, of Admiral Farragut, for which she is to be paid \$20,000. since, and a number of models were sent for inspection, in merely heard of. compliance with a general invitation given to artists to com-OCCASIONAL.

The American Institute Rotary Engine Tests.

To the Editor of the Scientific American:

It is an unfortunate trait in the genus homo that, as a rule he suffers defeat with a bad grace; and it appears to be an established fact that it is the American specimen which invariably takes the longest time to arrive at a knowledge of of the fact that he is beaten in a contest. This peculiar feature of American human nature was quite felicitously illustrated in a conversation of the writer with one of the judges at the late Fair of the American Institute, who had served in that capacity for several successive years; he said, in effect, that when he essayed to judge of the merits of several competing exhibits, he always made up his mind, a priori, that, when his judgment was rendered, he would probably be named by all but one of the contestants in terms In addition to the bill given in your issue for February 13, which, well, would not be appropriate in a religious, or even and all similar bodies labor; and it appears to have been no better exemplified anywhere than in the case of the rotary engine tests at the late Fair.

After the results of these tests became known, two of the defeated contestants, and particularly the second best, made trict Courts for such cases, in the same manner as in patent, quite earnest attempts to bring discredit, by charges of unfairness, upon the writer; and now I see, by an editorial article in your issue of February 20, that, notwithstanding Henry hints at the possible contigency of the interference of patenting of any new and valuable fruit or plant, for the that the original recalcitrants were most irrefragably put to term of seventeen years, with the privilege of an extension rest by the proper documentary evidence before the Board of but the same contingency holds with regard to sea ships as Managers of the Institute, there yet remains another mal-

The article referred to (" Metaline, and the American Inthe method in which they were conducted, and the precauland sufficient meteorologic intelligence, coupled with bounte-Mr. Storm has introduced a bill into the House, which entions taken against possible cavil. The reference to some ous generosity, to send an air-tossed veteran through this tations of mine with the proprietor of the successful rotary engine, strikes me as a very absurd kind of innuendo: some thing out of the line of the SCIENTIFIC AMERICAN, and altogether foreign to the usual good sense displayed in its editorial columns: I will, therefore, credit it to you in that To the Editor of the Scientific American:

The writer, in the capacity of Superintendent of the Machinery Department of the American Institute, was directed by Professor R. H. Thurston, Chairman of the Committee of Mr. Young, of Georgia, "directing the Commissioner of Judges, and by the Board of Managers, to test the competing rotary engines as to power and economy, and report the result to the Committee. In accordance therewith, I made all arate tanks, and bringing them together in the cylinder, con-From all appearances, it would seem that the sewing ma- arrangements for and supervised personally every trial. I tinuously, as required.

ciples of life. But whatever be the subject, let the thoughts | which came up on Monday last; and although no opposition | portunity to acquire a little practical information of a kind not so readily obtainable for them at the Hoboken Institute. conclusion of the trials. made copies of the log, and placed them in possession of Professor Thurston, where they now are. The original logs were left in my possession, from which to compute the results, and are now, with my official report, as a compendium of the report of the Committee of

> The apparatus used was identical in every case, with the single exception of the brake, a different one being used with two of the defeated engines, in deference to the wishes of the exhibiters of them. When the engines had been run a sufficient time preceding the test to insure average conditions, the control of all instruments and apparatus, together with the recording of all data in the log, was turned over to the four young men above mentioned; and thence to the conclusion of the trial (five hours in each case) I had nothing of the Judges, were carried out.

> Now unless the party from whom you "hear of a protest" intends to impugn the integrity of the young men (some 8 or 10 in all) who actually conducted the trials, as well as my own, he had better hold his peace; and he has every opportunity to check them for himself by consulting the copy of the logs in the possession of the Chairman of the Committee, if he is inclined to doubt the correctness of those at the American Institute.

> In a word, I have to say to all (if there are any more) who may be inclined to feel discontented and uncomfortable on this subject that, if they will point out any irregularity or me, I shall at all times be ready to answer any and all questions; and much desire that the "protest" you mention may make its appearance in some more tangible form than to be

New York city. JOHN T. HAWKINS, late Supt. Mach. Amer. Inst. Fair.

Air Currents and Air Floats.

To the Editor of the Scientific American:

It is an ascertained scientific fact that the ocean and the atmosphere are correlative in their thermal values. The temperature of the water regulates the temperature of the air. It salts the air as well, and is of vast importance, in this regard, to the products of the soil and the constitution of the animals abounding adjacent to its direct influences.

Along our Atlantic sea board, we have a Gulf Stream pouring its equatorially heated water northeastward to the coast of Newfoundland, whence it is projected over the Atlantic to the coast of Ireland. It is a warm river, of several hundred miles in breadth, running across the Atlantic.

This river is as available for the floating of air ships from our sea board to England as was (and is yet) the Mississippi for floating flat boats from the Falls of St. Anthony to New

A balloon, kedged in this stream, will necessarily float along its isothermal line, and it will float much faster than the stream, since the warm air correlated above it will flow in the direction of least resistance, which has an eastward tendency. Can we kedge the balloon in this ocean river? More easily than the water ship can be kedged to the channel of the winding river down which it floats.

With the device termed a droge, a conically shaped bucket float, open at its wide end, suspended at any desired distance from the balloon and fastened with two cords (one at the point, the other at the open end), it is easy to increase or lighten the burden of the balloon; in other words, to let her up or down without a discharge of ballast or gas. Professor a cyclone in such an adventure. That is very thoughtful, well. To the balloon, it would not be disastrous, as all the eyclones in this latitude are inevitably dragged eastward by the normal motion of the atmosphere, a meteoric fact too often witnessed with my own eyes while sailing in their vicinity, in their midst, or in their front. I know very well that they turn round on their common centers, and that they

Where there is a will, there is a way. Is there not in the more competent than your obedient fellow ritizen?

Philadelphia, Pa. JOHN WISE

Nitroglycerin as a Motor.

The idea (originating in a fertile French mind), of superseding steam by an explosive compound far more dangerous than gunpowder, may seem vague; and yet I can see but one obstacle to be overcome in order to make it a success.

The danger of untoward explosions may probably be avoided by keeping the components of the compound in sep-

The wants of elasticity and the suddenness of expansion of ness, if such can be shown. Professor Thurston, with his this powerful substance will probably cause an unsteadiness of motion too violent to be overcome by ordinary machinery. and herein consists the great impediment to its use. And yet it may not be impossible to counteract this defect by employing heavy governors and fly wheels, and by also keeping of the piston) down to the minimum, so that it will be re quired to expenditself in keeping up continuous motion.

In adapting machinery for this use, the size of the cylinder could be reduced in proportion to the increase of the potency per square inch of mitroglycerin over steam.

ilis potent substance in separate vessels until required for use, it is a marvel why this has not been required by law long ere now, as the frequency of awful explosions and the work, that I can see; nor does any one else allude to their all is utter darkness, shows that animals with eyes flourish destruction of life and property are sufficient to call public attention to the subject. One might naturally suppose that itioned by Köllar, on the olive. the Lycurgus of "Free America" is just now taking a Rip Van Winkle vacation from his public duties.

CHARLES THOMPSON. St. Albans, Vt.

[For the Scientific American.] ANTS.

to in the Book of Proverbs, vi., 6: "Go to the ant, thou sluggard; consider her ways, and be wise." Again, in xxx. 25, we find: "The ants are a people not strong, yet they pre pare their meat in the summer." Thus the Scriptures have noticed the habits of the ants, and their wonderful instinct has been described in several articles published in the Sci-ENTIFIC AMERICAN, The common ants, however, belong to the family famicida, or genus formica, while my subject matter relates to the white auts, which must not be confamily, the termitide, genus termes.

Those who are curious to read the wonderful accounts of the warrior termites (termes bellicosus, of Smeathman) will find the memoir of Smeathman copied in numerous works on natural history (Maunder; F. A. Pouchet, M. D., in the work called the "Universe," etc., page 185; Westwood, F. L. S., who, in his "Introduction to the Modern Classification of Insects," vol. II, page 11, illustrates and describes several species, all foreign to the United States). Mr. Fitch, in his reports on the noxious and other insects of the State of New York, section 196, says: "American white ant, termes from talis, Haldiman (neuroptera termitida): Myriads of white ants, mining in and wholly consuming the interior of fence posts and stakes, while the outer surface remains entire." He also says it "is the only species of white ant which we have in the United States." These creatures I have been familiar with for some years, finding them in my rambles among decayed logs in the woods; but have not made microscopical examinations of the various individuals compos ing the colony, as I have of those I shall now introduce.

My neighbor, Mr. George Hensel, has an extensive greenhouse, and knows how to manage it. He set aside (on a broad shelf, covered with sand and loam, perhaps two inches deep) some choice pelargoniums for cuttings, also some ge raniums, and among them a luxuriant echeverria, in the ordinary flower pots. The latter plant was set in its pot upon an enough to lay the supply pipe below a freezing point, and empty inverted pot of the same size. Mr. Hensel discovered that these plants, from some unknown cause, were drooping, and to his surprise, in a few days after, discovered that nothing but a thin shell, apparently sound on the outside, was left of the roots and lower portion of the stem. He noticed among the debris and soil in the pot, a minute antlike creature, to which he called my attention; this led me to investigate, and I found that these minute, blind crea tures do all their mischief under cover; they build tubular, pendant passage ways (from an upper to a lower field of action) by agglutinating particles of sand, actually forming hollow "ropes of sand" (in which they ascend and descend) eighteen inches long. Under the, sand on the shelf referred to, were tunnels as straight and direct as any engineer could make them, opening up directly under the hole in the bottom of the flower pot, by which they made their insidious approach to the root and stem of the plant it contained; and from this point beneath the pots, three to five such channels were noticed, radiating to various intersecting tunnels. But the most remarkable engineering skill was discovered in the inside of the inverted flower pot. In order to gain access to the roots of the echeverria above mentioned, their tunnels ended on the inner side of the pot at four points; then a tubular column of sand was constructed against the side of the pot (to which it was glued) to within a few inches of the top; then the tubes were built inwards, and met around the hole in the center of the bottom of the inverted pot, through which they established communication with the upper pot; and thus these sappers and miners, with consummate skill, stantaneous contraction, and probably death. made their attack so completely under cover that no one would suspect their presence, and without injury to the external epidermis of the stem of the plant. Their excavations are all confined to the interior of the plant, in this case a | Mammoth Cave have recently been made by Mr. F. W. Puthighly succulent one, belonging to the natural order of house leeks (crassulacea). The fact that they killed one dozen choice plants during December, 1874, proves them to be dangerous insects in the greenhouse. Numbers of winged specimens were discovered in the greenhouse on December 18; these shed their wings in the course of a few hours, and disappeared. Mr. Hensel tells me that he has for years known the common white ants; but the males and females became | particularly fortunate in catching five specimens of a fish of winged in May, and confined their mining to dry soft wood only. Köllar, in his treatise on insects, mentions the termes lucifugum and ruficolle, of southern Europe, "where they cause great damage to the olive trees." He writes also of a third species, which he termed termes flavipes, "found in the hothouse of the imperial palace at Schönbrunn, where they were, no doubt, introduced with foreign plants. This species does no injury to the living plants, but gnaws through the tubs in which they stand, and the other woodwork of

the houses " I mention these facts simply to warrant me in expressing were in every respect identical with those of Green river, destitute.

inspection, believes that they are the same as those menwood; or if they had such a taste before, it was unknown feeding on living plants, with the exception of those men-

It is well to give publicity to these facts; perchance the same may have been experienced in other hothouses without the culprit being detected or the fact made known.

The ants figured by Westwood and other authors are simicrossing at the regularly curved tips; but the jaws are stout, long, and parallel to each other, straight out, but nearly bent at right angles at the tips, which also cross each other near the points. The workers have also very large heads, with no traces of eyes visible on them. The soldiers, so called, are also similarly remarkable, and are all of a uniform dirty white color. Mr. Hensel tells me that the winged members were of a darkish brown color. There seem to be four distinct classes in each colony (Latreille says five, founded with the common ants, as they belong to a different but he includes the larvæ), pupæ, neuters, males, and females. They are sufficiently remarkable, and, in scientific engineering, they put to blush some of our learned tunnelers, who, with all theireyes wide open and instruments, can not excel them in finding a point, and hence the ants are entitled to enter an appearance in so classical a paper as the SCIENTIFIC AMERICAN. J. STAUFFER. Lancaster, Pa.

A Harvest for Plumbers.

The long continuation of intensely cold weather has caused great trouble and discomfort in this city, by the freezing of water in pipes. Probably in more than half the houses the water in pipes has been frozen, or the pipes otherwise disa bled. The trouble is generally in the street, where the pipes are most difficult of access, and it arises from the reprehensible practice of builders, who, after attaching the supply pipe to the main, carry the former up to within two or three feet of the surface of the street and then run it to the house, instead of running it in a direct line from the main pipes into the basement of the house, which is always so far below the street as to obviate all liability of freezing.

Persons erecting their own dwellings generally see to have ing the supply pipe laid as low as the main, or sufficiently deep to prevent the liability to frost; but builders who erect houses to sell save a little by avoiding excavating deep hence the cause of so much trouble in our households. At the present time there are not good plumbers enough in the city to attend to all the demands, and those skilled in the business are put to their wits' end to execute all their or-

Effects of Poisons on Molluscs.

Professor William North Rice, of Middletown, Conn., states that among the most interesting results of his experiments was the observation that certain poisons, which act with extreme violence upon the mammalia, are very feeble in their action on mollusca. This is especially true of hydrocyanic acid and woorara. Specimens of illyanassa obsoleta, immersed in dilute hydrocyanic acid on Friday, showed somewhat feeble signs of life on the following Tuesday. A specimen of lunatia heros, into which a quantity of woorara had been injected, was found the next day to show no sign of any in-Indeed, both of these poisons seemed to produce death very little sooner than the animals would have died in stale water. The sudden introduction of a large amount of carbonic acid in the manner which has been described, seemed to produce no decided effect. On the other hand, chloral hydrate seems to be very suddenly fatal, the animals treated with it becoming instantly contracted, and not resuming their activity when kept for a number of hours in sea water. Cyanide of potassium is similar in its effects, though not tion or any ornamental design. quite so instantaneously fatal. The effects of quinine are similar, though less energetic. Chloroform produces in-

Mammoth Cave Fishes.

dditions to our knowledge of the fauna of the num, of Salem, Mass., who, as a special assistant on the Kentucky State Geological Survey, of which Professor N. S. Shaler is the director, had great facilities extended by the pro prietors of the cave, and he made a most thorough examination of its fauna, especially in relation to the aquatic animals. Mr. Putnam passed ten days in the cave, and by various contrivances succeeded in obtaining large collections. He was which only one small individual had heretofore been known, and that was obtained several years ago from a well in Lebanon, Tenn. This fish, which Mr. Putnam had previously described from the Lebanon specimen under the name of chologaster Agassizii, is very different in its habits from the

my opinion that this is a new species, notwithstanding that showing that the river fish do at times enter the dark water an enrinent entomologist (to whom I presented the facts), on of the cave, and when once there apparently thrive as well as the regular inhabitants. A large number of the white tioned by Mr. Fitch, as the American white ant. In that case | blind fishes were also procured from the Mammoth Cave and one thing is certain, they have acquired a new taste, and from other subterranean streams. In one stream the blind In regard to the necessity of keeping the constituents of now relish living, succulent plants, instead of dead and dry sishes were found in such a position as to show that they could go into daylight if they chose, while the fact of finding to our entomologists. Harris does not mention them in his the chelogaster in the waters of the Mammoth Cave, where there, and is another proof that color is not dependent on light. Mr. Putnam found the same array of facts in regard to the crayfish of the cave, one species being white and blind, while another species had large black eyes, and was of various shades of a brown color. A number of living specimens of all the above-mentioned inhabitants of the waters lar to these, except the class called warriors, with their of the cave were successfully brought to Massachusetts after enormously large heads, fully equal to one half of the whole having been kept in daylight for several weeks, proving that Every reader is familiar with the ants, at least as referred insect. These do not have the curved or sickle-shaped jaws, all the blind cave animals do not die on being exposed to the light, as had been stated.—Nature.

SCIENTIFIC AND PRACTICAL INFORMATION.

A TUNNEL UNDER THE STRAITS OF GIBRALTAR.

A company has recently been formed in Spain, under the title of the Inter-Continental Railway Company, the main object of which is to unite Europe and Africa by a tunnel under the Straits of Gibraltar. This one, as projected, is to be a right line, extending between Tarifa and Algesiras on the Spanish coast to Ceuta and Tangier on the Morocco shore. The submarine portion will be 44,160 feet in length, or nearly nine miles.

This enterprise offers more difficulties than the similar work under the English Channel, although the latter will have more than twice the length. The maximum depth of the Channel at the point to be traversed is but 163.2 feet, while that of the Straits is 2,621 feet. Supposing that the tunnel under Gibraliar be bored at a distance of 1,000 feet under the bed, its total depth under the sea level would be over 3,600 feet, while the entry and exit galleries would be each three miles in length.

SULPHUR AS A FIRE EXTINGUISHER.

M. Tellier suggests the use of sulphur as a means of extinguishing fire on board ship. The material when burning in the air, as is well known, generates sulphurous acid, in which flame is not sustained. M. Tellier proposes to cover wicks with the sulphur, and to let them down into the burning portion of the vessel, through holes in the decks. Sixtysix pounds of sulphur ignited will entirely absorb the oxygen in 3,360 cubic feet of air; but as only half the oxygen need be removed in order to render the atmosphere unfit to support the combustion, thirty-three pounds are sufficient for the volume mentioned.

Stove Manufacturers in Council.

The stove makers of the United States recently held a convention in Chicago, and adopted the following resolutions:

"Your committee will call to your notice the question of guaranties exacted, by the retail dealers throughout the country from manufacturers, relative to the breakage of castings. Your committee are fully satisfied that the persistent claims made upon our trade for castings to be furnished free of cost upon the simple demand of the retail dealer, and under what-ever pretext, has become burdensome and oppressive, and your committee respectfully recommend that in fut guaranties of this character be wholly discontinued.

"Your committee desire to urge upon the convention the great importance of procuring the passage of a law by the Congress of the United States for the protection of the trade against those persons who take our castings and file and fit the same for the purpose of making duplicates therefrom, and supplying the retail trade in the various towns and cities of this country at prices far below the cost of such castings in our own founderies. Every member of the convention must see and feel the great importance of an effort upon the part of not only the convention, but of every member of the organization throughout the country, to put an end to this unwarrantable confiscation of our rights as manufacturers and dealers."

The latter resolution was referred to the Executive Committee. We do not see what more effective laws the stove manufacturers can wish for their protection than they now have. Under our existing patent laws, the most ample protection is afforded the inventor for either any new construc-

SCHEDULE OF PRICES.

The Committee on Prices submitted the following report,

which was unanimously adopted:
"Your committee, having carefully considered the subject referred to them, recommend the adoption of the following basis of prices: The price on common stoves to be 64 cents; for the medium class, 7 cents; for the first class, 8 cents; for odd plates, 8 cents: with a suitable amount added for plated knobs, reservoirs, and other extras.

The convention adjourned to meet next June at St. Louis.

OUR staid cotemporary, the Boston Daily Advertiser, in alluding to the impracticable measures under discussion by the advocates for rapid transit in this city, and the twaddle on the subject in the daily newspapers, thus sums it up:

"If they want quick transit in New York, why don't they stop talking and go to work and get it? If they are only fooling, they had better go to a business medium. She will doubtless trance it as quickly as anybody."

ON February 10, a fire broke out in the city of Port au blind fishes of the cave and other subterranean streams, and Prince, Hayti, caused by the explosion of a kerosene lamp; is of a dark color. It lives principally on the bottom, and is and the result was that a large portion of the city was deexceedingly quick in its motions. It belongs to the same stroyed. One thousand buildings, mostly frame, were family as the two species of blind fishes found in the cave. burned. The city authorities will now, probably, be willing He also obtained five specimens of four species of fishes that to purchase fire engines, of which they were almost entirely