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A bill is now before Congress, and has been passed by the Senate, having for its ostensible motive the grant of them deprived of occupation. But if this foreign copyright bill passes, all books can be patented, the rich publishers will purchase the patents and put up the prices, and only those who control the patents can continue in business.

Probably there are few who will dispute the propriety of granting copyright patents, in some form, for a limited period, to foreign authors; but in doing so every care should be taken to preserve existing advantages and to prevent injury to established industries. The Senate bill appears to be lacking in these respects, and is open to other objections.

The bill in substance provides that on and after July 1, 1888, copyright patents shall be granted to foreign ers; they may hold these monopolies for forty-two years; the assigns of foreigners may also obtain copyrights; all postmasters and customs officers through out the United States are constituted pimps and ferrets for these foreigners ; it is made the duty of postmasters to spy out and seize all books going through the mails that infringe the copyrights of foreigners; if an American citizen coming home from abroad brings with him a purchased book, it is to be seized on landing unless he can produce the written consent of the man who owns the copyright, signed by two witnesses. Who the said owner may be, in what part of the world he lives, the innocent citizen must find out as best he can, or be despoiled of his property,

These are some of the strange provisions of the Senate bill, which, it is obvious, needs amendment.

Again, the period allowed for these foreign monopolies, namely, forty-two years, is altogether too long. The ordinary patent for an industral improvement, such as the sewing machine, the planing machine, the telegraph, the telephone, or any other invention, how ever wonderful or vast its benefits to the people, is only granted for seventeen years. The patent than expires, the monopoly ceases, and the people are at liberty freely to copy and duplicate the invention.

It would be much more satisfactory to the public if the term of the foreign copyright were reduced to five or ten years; and we trust an amendment to this effect will prevail when the bill comes before the House.

In considering the question of changing the statute, we ought not to overlook the benefits that have accrued to the country from the law as it now stands, and which has worked satisfactorily for more than fifty years. It would be folly to change for the worse.

Under the influence of the present copyright laws, our home publishers have for years been enabled to a full appreciation of the real crudity of the enactfill the country with the choicest books and periodicals at the lowest prices. The educative effects of this vast supply of standard literary matter have been from which we make the following abstracts : astonishing. We have become the greatest reading people in the world.

Says Mr. Andrew Carnegie in his "Triumphant Deof the product, making literature and knowledge dear to the people. Almost all nations, I believe, grant a mocracy": "It is estimated there are twenty-three national copyright on the supposition that the disadthousand school libraries in America, containing fortyfive million books-twelve million more than all the pubvantage of monopoly, bad as it is, would be compenlic libraries of Europe combined. Other educational essated to some extent by the benefit arising from the tablishments increase this number by two and a half encouragement of literature and the stimulation of those who write for the people. An international million volumes, and thirty-eight State libraries contribute over a million more. The Congressional library, copyright is simply a monopoly. It is a monopoly bethe Astor, the Boston city, the Philadelphia, the varitween America and the chief nations of civilization ous mercantile libraries, the Watkinson reference at and the principal authors and sources of knowledge. Hartford, and many others will raise the grand total and as such it becomes doubly objectionable. It will to much more than fifty million volumes-a book almost enhance the price of knowledge to all people in this country, as it will to all people in Great Britain.' for every man, woman, and child in the United States. More than three hundred libraries contain ten thou-"Of course we have the ancient and venerable chestsand volumes each, twelve contain more than a hundred | nut brought up, which is always made to do duty in thousand volumes each, and two contain four hundred behalf of any proposition to put money into individuvolumes each. Even this statement but als' pockets, that this copyright law would operate to thousand feebly shadows forth the truth as to the books and cheapen literature. Life is too short to waste time in periodicals of the country, as compared with those of arguing that as an abstract proposition. If it did not other lands, for the American is not only a reader, but increase the price of literature, there would be no dehe is above all other men a buyer of books. Circulat mand for it here. It could not possibly stimulate the ing libraries are not so generally used as in Europe. It is when you enter the home of the American farmer or artisan that you are struck with the number of books increased to him." and magazines you see-the two or three shelves and often far greater number filled with them. "The universal propensity of the American, young make a few persons rich. That is the object of the and old, for reading and writing has sometimes seemed whole thing, and that underlies it. It is an effort to to me to lend countenance to Dogberry's dictum that extend monopoly extra-territorially, beyond the juriswhile a good name was the gift of God, 'reading and diction of the laws of our country, by a grand internawriting came by nature.' These do seem to be part of the nature of the American. Triumphant Democracy

THE NEW COPYRIGHT BILL NOW BEFORE CONGRESS. to be true to its nature. The monarchist boasts more bayonets, the republican more books."

It is not unreasonable to assume that the greatest imcopyright protection to foreign authors; but it is well pulses toward the attainment of our present position in understood the real object of the bill is to bring about, respect to popular education, intelligence, and native by aid of Congress, a sort of book trust, by which the authorship have been derived, directly or indirectly, prices of books will be advanced throughout the coun- from the existing copyright law, which excludes foreigntry, the rich publishers made richer and the printers of ers and encourages American citizens. Independently cheap literature driven out of business. Under the law of these advantages, the law has helped to develop as it stands, only American books can be patented; all some of the largest industries. It has created enorothers are free, and there is no mode by which the peo- mous establishments for the manufacture of paper, ple can be deprived of cheap books, or those who make chemicals, types, printing presses, and engines. It has called to employment multitudes of operatives. It gives volume to the mails, helping to freight and support the railways, steamers, telegraphs, and other adjuncts of civilization.

Upon the American author the copyright law, as it stands, confers important benefits. It secures to him the exclusive right to his writings for forty-two years. No citizen who can produce anything worth reading lacks for employment or emolument. It is agreed on all sides that no country was ever blessed with so many able authors as the United States. They ought to be well rewarded, and under the law as it stands they are. It would be easy to give many examples; a few must suffice. Of "Uncle Tom's Cabin," by Mrs. Stowe, some two millions of copies have been sold; of "Ben Hur," by General Wallace, 250,000 copies; of Roe's works, hundreds of thousands of copies. Some of the story papers, filled with copyrighted tales, sell four hundred thousand copies of each issue, aggregating many millions per year. Mark Twain is said to have made five hundred thousand dollars clear profit within five years from his copyright patents. He receives a handsome royalty on every volume sold. Mr. Blaine has derived a great fortune in the same manner. Mrs. Grant is reported to have received three-quarters of a million dollars as her share of proceeds from the sale of the great General's book, and the copyright patent has forty years still to run.

The money paid to American authors remains within the country. The extension of copyright monopoly to foreigners will enable them to draw millions out of the country.

To this it may properly be answered, if we grant copyright to foreigners, then foreign nations will in duty be bound to allow similar rights to Americans; and so the money will come back. But we fear there is little equality in the matter. American readers and book buyers are as five to one, the world over. The financial result of the patent copyright extension would be, in the same ratio, adverse to the United States.

PASSAGE OF THE COPYRIGHT BILL IN THE SENATE. The copyright bill, to which allusion is made in the preceding article, appears to have received less attention and less discussion in the Senate than its important nature demanded. Only three or four Senators spoke upon the merits of the subject, and their remarks were quite brief. We fear the votes of the majority by which the bill was passed were cast without ment. Among the ablest of the speeches made was that of Senator Zebulon B. Vance, of North Carolina.

"Mr. President, the proposed measure of copyright is intended to create a monopoly and enhance the price

genius of a man to write and publish books and matter in magazines unless the price of that matter was "The whole scheme is evidently one whose basis is what is known as protection, or taxing the people to tional conspiracy between publishers, printers, and book-makers everywhere in the civilized world to make

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is triumphant in nothing more than in this, that her literature and knowledge for the people dear."

"It is not worth while for any Senator, as I have members are readers and buyers of books and reading matter beyond the members of any government of a known some to do in the course of this debate, to go off class, but in this particular each system is only seen into grand heroic and literary eloquence about the ance of encouraging that divine affiatus which we call white. genius, for the benefit of mankind, etc., for no odds how high they soar they become much like Mr. Boffin's | be a bloom, opening with clock-like regularity at nine secretary with the wooden leg, who professionally o'clock in the morning and closing their petals when

literary eloquence, professionally, as thrifty protection - the opening day, the sparkling dew in its stigma ists, they drop into filthy lucre. That is at the bottom catching the ruby color of its petals and losing it again of it as sure as we live, and in opposing the extension as it falls into the waiting tube, till, the sun hanging of this interdiction on the acquisition of knowledge by its red coat in the sky and going down below to rest, the common people by means of the newspapers, the the sparkling waters are thrust up again into the periodicals, and the magazines of the day, I claim to stigma. be a better friend to the grand things which emanate from the human mind and a greater admirer of them than those who undertake to make money out of them by placing them out of the reach of the poor."

'It seems to me that there can be no excuse for carrying this restriction upon human knowledge so far as this bill would carry it. It seems to me that there is annoyed Sir Charles Napier so much, he received a no reason assignable why the source of all our knowledge, why the very fountain of all our civilization and advancement, should be made more costly and more inaccessible to the great mass of our people."

"It was but a few short and momentous weeks since that this Senate, with my help, under the lead of burg. But it was less in his own profession than outthe gallant and philanthropic and benevolent Senator side it that he was destined to achieve distinction, al from New Hampshire [Mr. Blair], passed a bill appropriating \$78,000,000 to educate the poor and ignorant him for the revolution he accomplished in the oil trade. children of this country and teach them how to read; In this respect his career was a striking illustration of and now this same Senate, under the lead of the same benevolent Senator, has just passed a bill increasing the price of books to those poor people and placing reading matter out of their reach. And so we go: a bundle of contradictions, with nothing but the natural and inherent and instinctive greatness of our people and of our country to prevent us from becoming supremely ridicu- refinery. This failing to yield much profit, owing to lous in the eyes of the civilized world-and that remark is not copyrighted."

a tendency, not injurious to American literature particularly, but to increase, the price of all literature in this country; and not believing there is any commensurate benefit for the injury the reading public will Russia, but that of the whole of Europe; the elaboreceive, I am opposed to the bill. I am in favor of rate system of transport in bulk he established, coupled limiting it to a short time, if it is to become a law, until with the copious supply of cheap oil, enabling Russian we can see what its practical effect will be."

Senators Saulsbury and George spoke briefly to the same purport. The bill passed, 10 to 34. Absent, 32.

### ----CITY FLOWERS.

visit New York this summer may well pause in surprise Charles Marvin, whose "Petroleum Industry of Rus as he comes up through the Bowling Green and looks sia" contained in all engineering essentials the story of into the little triangular park audaciously obtruding the Baku oil king's extraordinary career. itself into this region of mercantile bustle and hurry. There, in the miniature pond, amid other aquatic plants of lesser dignity and importance, he will see the noble water lily, Victoria regia, its great leaves-sometimes they are as much as six feet across-floating in Croton water with as much thrift as in the waters of the Parana and Paraguay, and should he come at the right possessed to an eminent degree, while the wealth he time, he may even see the beautiful blossom of white amassed in a pursuit wherein merchants had either and pink. Indeed, it will likely enough be quite as much of a surprise to the merchants and factors thereabout, coming down to their offices some summer day, to discover that exotic fragrance has mastered the long to merchants only.-Engineering. familiar odors of petroleum and pitch and ships furnishings, for Superintendent Woolson, of the Central Park, says the perfume of this water lily is so strong that it will be perceptible two blocks distant. By means of a pipe under water and circling the pond. the water will be warmed, a thermostat enabling an attendant to keep its temperature between 70° and 80° F.

The beautiful moss pink is now a-bloom on the rocks of the Central Park, and in some places you can scarcely see its foliage because of the mass of flowerets. This is noticeably so at 79th Street, on the east drive; at Mount St. Vincent; at 110th Street and 7th Avenue.

in full bloom. There is a fine bed of them at the Fifth ation on Gillis Land impossible; but the work effected Avenue entrance, thousands of them in the beds about was important. Hydrographic observations were made

glories and blessings of literature and the import- first named being white and of the other pink and

The roses are budding, and soon the marigolds will 'rose and fell,' and as a friend 'dropped into poetry.' | the big clock in the Arsenal tower strikes three. The "However high they soar in the grand heroics of beautiful amaryllis will reflect the bright crimson of

### Ludwig Nobel.

The engineering profession has suffered a severe loss in the death of Mr. Ludwig Nobel, at Cannes. The son of a Swedish engineer, who invented and placed in the channels of Cronstadt the "infernal machines" which practical training as engineer, and notwithstanding a temporary check experienced by the failure of his father, he managed by hard work and economy to recover in time the iron works his father had lost, and extended them to their present proportions at St. Petersthough it was his engineering capacity that equipped the influence a modern engineer can exercise upon a purely commercial pursuit. Quite by chance, in 1876, he was led by his brother, whom he had sent to the Caucasus in search of walnut wood for the stocks of the Berdan rifles he was manufacturing for the government, to invest a few thousands in a small Baku oil the difficulties of transport, Mr. Ludwig Nobel applied himself seriously to solve some of them, and by degrees Senator Teller said : "I believe it [the bill] will have was drawn completely into the petroleum business. The innovations he introduced, in the shape of pipe petroleum to penetrate to every town on the Continent, and even flood the more distant market of India. The enormous magnitude to which his undertaking rapidly expanded, until the few thousands he embarked in the business developed to a capital of three millions ster-The native of Central or South America who shall ling, was told in these columns three years ago by Mr.

> To-day the Nobel firm owns the largest oil refinery in the world, the largest fleet of tank steamers, thousands of oil trucks, and depots holding tens of millions of gallons of oil. That so much should have been achieved in a little more than ten years is a remarkable testimony to the power of organization Ludwig Nobel failed or made but a miserable income shows what may be achieved by the enterprising and skilled engineer in departments of trade conventionally supposed to be-

### ..... Dr. Emil Bessels.

At Charfreitag, Stuttgardt, recently, this well known physician, naturalist, and Arctic explorer succumbed to heart failure. at the early age of forty.

Dr. Emil Bessels was born in 1847, at Heidelberg, and studied medicine and natural history first at the University of Jena and finally at that of his native city. At the instance of Petermann, the geographer, he embarked on his first expedition to the North Pole on board the steamship Albert in 1869, the purpose of the voyage being to explore the eastern frozen sea between Spitzbergen and Nova Zembla and to investigate Gillis Land. Only the first part of this project could be The tulips, white, golden, yellow, and bright red, are carried out, as the state of the ice made disembark-

work in three volumes, entitled "Scientific Results of the United States Arctic Expedition" (Washington, 1876), also published in German (Leipzig, 1878). After this he settled at Washington as secretary to the Smithsonian Institution, where a long and useful career seemed in store for him, when, on Christmas eve, 1885 -a night of extraordinary cold-his house took fire, and the flames spread so rapidly that he had barely time to escape by letting himself down from the first floor in his nightshirt by means of a linen table cloth. He then caught a chill, from which he never quite recovered. This, and his grief at the loss of his precious library and scientific treasures, made a changed man of him. He came to Stuttgardt-a place which had great attractions for him as the scene of early studies in the Royal Natural History Museum-and there for two vears he worked at his favorite pursuits, and also at literature, till he had to take to bed, from which he never rose. He was found dead, having apparently passed away as suddenly as painlessly, leaving a blank in the medical and scientific circles of the Wurtemberg capital which will not soon be filled.-Lancet

> Michael Heilprin.

### Michael Heilprin, well known as one of the principal editors of Appleton's Encyclopedia, died at his home in Summit, N. J., on May 10. He was born in Poland, in 1823, and was identified with Kossuth's movement for the freedom of Hungary, whither he had gone early in life. He came to this country in 1856. His work here was principally literary. In the case of the Encyclopedia, he was intrusted with the supervision of all the matter contributed. He was one of the early contributors to the New York Nation, and never severed his connection with it. He was one of its most voluminous contributors. He leaves two sons, Louis Heilprin, well known as a writer on chronology and history, and Angelo Heilprin, the well known geologist, whose works have been reviewed in these columns.

### Damp Cellars.

The most prominent causes of damp cellars are : 1. Dampness permeating the walls.

2. Dampness from saturated soil appearing below the walls.

3. Dampness from imperfect plumbing.

4. Moist ground air permeating cellar bottom, forced in by air pressure.

The first is an evidence of either poor workmanship and material or imperfect drainage. Should it be the former, and discovered in time, a compulsory removal of the work is the best remedy. A good wall (stone is here understood) should have every space completely filled. Small, flat stones make the best work when carefully bonded and fitted. Look out for walls showing nothing but large flat stone on the outer faces, as such are often but dry concrete in the center. If the work has progressed too far to allow the wall to be taken down, the remedy is a thorough coating of cement on the outside-from grade to footing-backed by a careful drainage of the immediate vicinity. Great care is necessary to keep the surface water from the building on all sides. It will not suffice to keep it five, ten, or twenty feet away, and then allow it to pool, as the ground will absorb it, and if the strata should happen to incline in the direction of the cellar, conduct the moisture to the wall, where although perhaps not appearing in drops on the surface, still keeping the joints damp enough to affect the atmosphere and cause the mortar to decay.

Good, clean, yellow clay, well puddled and rammed around the walls, is an excellent protection, and one that should never be omitted.

Frequently, in neighborhoods thinly settled, where the sewage system is imperfect, or, rather, not completed, the ground becomes waterlogged, or so saturated with moisture as to cause any shallow excavation to collect water, and it will be noticed in such ground that after a rain all these depressions hold the water with great tenacity. In fact, the soil seems unable to absorb any more.

Cellars sunk in such ground will be damp at the foot of the wall, the moisture extending out on the cellar

the Arsenal and Mount St. Vincent. Here also the and a complete series of deep-sea soundings were taken, floor, while any small knoll, caused by uneven excavarock cress, in full bloom, is busy decorating the rocks and for the first time the existence of the Gulf Stream with white flowerets; their tiny heads following the east of Spitzbergen was demonstrated.

sun from east to west, as if they feared to lose him. In 1871 Dr. Bessels was summoned to the United States to undertake the scientific direction of the North The English heather by the Ramble and the Bridle Path, on the west side, near 81st Street, is covered with Pole expedition under Ch. Francis Hall. In pursuance noticed even in a house situated on a small plateau its bell-shaped flowers of pink. Near the greenhouses of his researches he penetrated into the northern prothe beautiful narcissus is in bloom; the double yellow longation of Smith's Sound, and reached the 82° 26' of and white ("Von Sion") and the small yellow trumpet north latitude-a feat performed by no previous variety. Then there is the grape hyacinth in blue, voyager. Unfortunately, the ship-the Polaris-foundered, carrying all his scientific treasure trove to the with its bell-shaped or globular flowers, not like the ordinary hyacinths, which are open and reflexed; the bottom. From the direction of the wave current and Urularia grandiflora, large, yellow, and drooping. from the pieces of walnut wood borne upon it, he con-In the middle of the little garden at the northern end cluded that there was a northern connection of this of the propagating beds, a shrub magnolia, about arm of the sea with Behring's Straits. Besides his conthree feet high, is covered with milk-white flowers, and tributions to German journals and to the bulletins of near by is the Magnolia Linnei, with bright red flowers, the United States geological and geographical survey, while by the Ramble Magnolia conspicua and the Mag- Dr. Bessels wrote the first part ("Physical Observanolia soulangeria are also in bloom, the flowers of the tions") of the narrative of the voyage of the Polaris, a the ingenious to study.

tion, may be perfectly dry on top, and even, as has occurred in my practice, the clay opening in seams from contraction in drying, while but a few feet away the mud was three to six inches deep. This has been with rapid drainage to all sides.-Building Trades Journal.

### .... Garbage Burning.

A correspondent asks if some inexpensive plan be given for a practical family crematory for refuse vegetation, kitchen scraps, rubbish, etc., could not be constructed, into which refuse matter could be emptied as it accumulated, and thus have a way to prevent so much garbage lying in back alleys, slop barrels, etc., where it is allowed to decay, with so much bad effect to cleanliness, health, and comfort. Here is a chance for