

American city in the year 2000. He tells of a central musical station from which wires extended to every ome, so that merely by pressing a button any one who felt so inclined might have the works of the masters, aterpreted by virtuosi, brought into ils immediate presence. At the time his clever bit of prophetic fiction was upblished—now almost twenty years -no one took the prediction seriusly, not even the electrician, who was ooking forward as far as he could and vas in no position to look backward. It has come to pass that Bellamy's

inverted prophecy has been fulfilled al-most literally. About the only point of variance between the prediction and its realization is that the latter came too soon, about ninety-three years before it was due. If the outcome had been dis-astrous or even disagreeable, the world might have been disposed to hold the prophet responsible, but since the fulfillment has brought only satisfaction we cannot regret its premature coming. Yow that it is here it has been given i name of the telharmonic system of

tric music. /hat is it? It is immeasurably What is easier to tell what it isn't. It is a result of creative genius at work that has no counterpart in anything with which we have grown familiar. It is a further

derstood by mortals and are not less agreeable to the human ear than the others.

This smacks of the supernatural, but it is true. The so called telharmonic system of electric music seems to be destined to revolutionize the science of harmony, exact as it has ever appeared to be. The diatonic scale, too, that bulwark of the well equipped musical theorist, is revealed in all its shallow artificiality. It is made apparent that for all the centuries the world of music has been hemmed in on all sides by the traditions of the art. We have become so willing to accept the many physical limitations of our acknowledged instruments that it comes like a shock to be convicted of our narrowness, our

lack of tonal conception. The Age of Electric Music.

But we must accept the evidence of our senses, and the telharmonic system will go far to convince us that the age of electric music has dawned. It is demonstrated forcibly that this most awesome of nature's forces employed as musical energy has brought about fundamental revolutions in tone pro-

duction which make necessary a read-justment of all our previous notions on the subject. This has been the al-most universal conclusion of the host of musicians who have seen and heard harnessing of the always mysterious the new wonder, and many of them electric energies, this time into a tract- have been frank enough to admit it.

either by expelling air or by vibrating musical instrument of his dreams by a some substance, and it followed that the purity of the tones obtained by any of these methods has depended entirely became convinced that perfection would be transmitted wherever wires could be the purity of the tones obtained by any of these methods has depended entirely on the skill of the one who evoked them. In this new electric music the never arrive until he could make him-self master of two requisites-first, perquanty of the tone is always the same. To illustrate this perfect uniformity of tone the telharmonic reproduction of the music of the French horn may be used. The tone from this instrument

is exquisite when produced by an artist, but the mechanical difficulties of keeping the tone equal in quality are well known to those who are familiar with it. This is entirely obviated by the new electric system. The tone is always the same and may be prolonged indefinitely. This is equally true of the tone of the violin or cello or any other musical sound that may be required. It is a storehouse of perfect tones which are responsive to the slightest touch. What is wrought with them de-pends on the skill of the musician who essays to combine them.

The Man Responsible.

The genius who has developed this scheme of supplying the world with tions. He found that in this way hun-music produced by electrical energy is dreds of tones would be available.

scores of cities--in fact, wherever there might be a demand. Having accom-plished all this, Dr. Cahill began to see his way more clearly. He realized however, that much remained to be The established principles of physics done before any practical result was to taught the patient investigator that be expected. He had no inclination to sound is merely a vibratory movement put his discovery before the public as a in the air and that it must be set in new and wonderful electric toy. He motion by some vibrating substance. The telephone suggested to Dr. Cahili a ready instance of the action of the was convinced that he was on the right track and that time and perseverance would lead him to the perfection he sought. It was not enough to have dis-covered the way to produce merely a certain fixed quality of tone. All other musical instruments do likewise. The electric current on the diaphragm of the receiver, and he finally came to the conclusion that it was only necessary for him to provide a current that would

In the Dynamo Room

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could be transmitted by wire to re-

thing to be accomplished was to be able to produce on this single instrument any timbre desired, the liquid sweetness of the flute, the vibrant tremble of tric generator. He proceeded to con-struct a series of dynamos, each gen-erating a different rapidity of alternathe violin or the resonant blare of the A Problem Solved,

Finally, however, after fourteen years of patient research, Dr. Cahill perfect-ed the system which is in some respects the most remarkable electrical achieve-ment of the age. It is theoreticallyand in time will become so practically -the only mathematically perfect musical instrument, unlimited as to power of expression and to its capacity for transmission. The system's value to musical art does not seem to depend run. Thus it would be possible to send them to thousands of buildings in chiefly on the imitation of existing in-struments. That is a point insisted on with great emphasis by the inventor. Although its power of reproducing the tones of other instruments and of transmitting them and combining them gives it a great commercial value, its real supremacy exists in the fact that it is capable of originating new tones, those that have never been produced by any existing instrument. It is absolutely a new creation, music set free by electrical energy, an expansion of tone quality that has never before been revealed to human ears.

Its Possibilities.

great and immediate.

As may be imagined, Mr. Chadwick

original belief that the modern game of baseball is the outcome of the old fash-

Origin of Baseball.

It is not possible at this time to es-timate the value of the new discovery to musical art. The extraordinary pos-sibilities which it suggests are fairly be turned on at any time in the night dazzling to the educated musician. Many of the world's greatest artists It is also possible by means of a very have looked into its operation with awe and admiration. It has played to at any hour one elects by the perform-

first few evenings of a transatlantic voyage, the melody coming from the central station in New York. Several leading hotels and restaurants and at least two theaters have had the long distance music in their supper rooms and auditoriums.

It is the intention of those who are developing the scheme to make this new music as much of a commodity as are the illuminating current, the tele-phone or, for that matter, the daily paper. The system of wiring is being extended from the central station to all parts of New York. The time is at hand when large hotels will have the wiring in all rooms so that precisely as one now asks by telephone for ice water or stationery he may ask for music, which will be supplied by means of a switchboard in the office. The great department stores will soon be supplied with the telharmonic system, and it has been proposed to run the wires into hospital wards.

In view of the sedative influence of good music played softly some sub-scribers to the telharmonic service have had the wires installed in their In time Dr. Cahill realized that his system had solved this problem. A rents have been transmitted through Song' as a string quartet. This is have

GEORGE H. PICARD.

Henry Chadwick, the "Father of Baseball;" Responsible For the Game as It Is Today

the man who saw the birth of the game and who has done more for its development and perpetuity than any other is still in the flesh and as devoted to the national pastime as ever? More than octogenarian that he is-he was born in 1824-Henry Chadwick is still editor of the official Baseball Guide, as he has been for the last twenty-six years

In 1837 this Nestor of the great American sport was a schoolboy of American sport was a scholoby di thirteen in Brooklyn. In those days the only prominent field sports in vogue were horse racing and the old English game of cricket, which had a modest and rather perfunctory following in some parts of the country. New York was first in adopting cricket, it being a matter of record that a match was played on a field near what is now Fulton market as early as 1751. Horse racing was quite active on Long Island, especially on the old Union course near Jamaica and on the Centerville

Baseball as it is now was unknown. a game bearing a certain resemblance o it was played as early as 1831 by old Olympic town ball club. The the old Olympic town ball club. The rst baseball club was not organized ntil fourteen years later. That was its Knickerbecker club, which until then had played a modified sort of town The national game as it is played adays dates its existence only from the time of the organization of first national association of ball

The First Professionals. At that time and for a decade later all baseball was amateur, all profes-slonalism being barred by the national association rules. It was in 1868 that the first professional baseball team was ormanized, the Red Stockings of Cin-chnait who were the first men to draw salaries from what had always been salaries from what had always been resurded as a mere maxime. Three years later Mr. Chadwick, even at that early day a leader in the development of the expanding game, succeeded in

OW many are there among the present generation of baseball enthusiasts who know that the man who saw the birth of of the present National league. According to Mr. Chadwick, it was not

until 1856 that he made up his mind that the game of baseball was likely to have a great future. He went over to have a great future. He went over to the Elysian fields, Hoboken, N. J., one day to see a match game of cricket played. It happened that a match game of the baseball of the period was also on the programme, and Mr. Chadwick was so delighted with its possibilities

that he then and there resolved that it should become the national game of America. It seemed to him that this new game was peculiarly adapted to the American temperament, and he made up his mind to boom it to the extent of his opportunity.

He Made a Beginning.

With that end in view he went to the various city editors of the daily papers and tried to interest them in the mat-ter. He wanted them to publish reports of all match games, realizing that publicity would work to the new sport's

advantage. The majority of these editors could not be interested. Even when Mr. Chadwick offered to send in reports of the games free of charge he could arouse no enthusiasm. They declared that no one was interested in the game and that it would only be a waste of time and effort. He persevered, however, until the

New York Times agreed to print his copy provided it was condensed to the smallest possible limit. That was in 1857, and it was thus that Mr. Chad-



HENRY CHADWICK, NESTOR OF AMERICAN SPORT.

place on the rules committee. Even- to know that it was suggested by so tually he was elected chairman, and it good an English sport as rounders. was then that he suggested the forma-tion of state associations. Clubs were A Remarkable Octogenarian.

springing up all over the country, and the number was becoming legion. Since each individual club was entitled to send delegates to the national associa-tion conventions that body soon became too crowded to conduct business. Mo each individual club was entitled to send delegates to the national associa-tion conventions that body soon became too crowded to conduct business. Mr, Chadwick was responsible for the re-striction of delegates to the state area equitation of the state area striction of delegates to the state asso-ciations, and the improvement was

engaged continually in eating and writing books on sports. Quite recent-ly he has compiled a handbook on chess. He still rises at 5 o'clock win-ter and summer, takes his cold plunge with unfailing regularity, eats a light breakfast and is deep in his work before the ordinary city man is stirring. He shows no signs of age in his methods, making use of a typewriter and turning in the most readable copy of any member of the staff. He is also an excellent musician and still plays ioned English pastime known as rounders. So competent a baseball nu-thority as A. G. Spalding declares that the game is of distinctly American ori-ing champion of American sparts is

long clampion of American sports is international, When Mr. Spaiding took the Boston and Philadelphia clubs to England, in 1874, he found that Chadwick was regarded as an authority in all matters pertaining to sports on this

side of the water. It was on this oc-casion that Sir Edward Chadwick, the famous sanitary commissioner of Lon-don, the American expert's elder broth-

from rounders to baseball. Up to that period no form of ball save harcose and crickies had ever been played in the country. Town ball became very popu-far, and it was played all over the country until baseball began to assume pre-eminence. One old cat, Mr. Chad-in these early days, but originated from the preliminary practice with bat and MEXICAN SPRINGS.

the preliminary practice with bat and ball which took place every time a match game of baseball was on hand. Although "the father of baseball" is an Englishman-he was born in Exan Englishman-he was born in Ex-oter in 1834 and came to America when he was three years of age-he is in full sympathy with the effort to make the game as exclusively of American origin as is possible. Since he cannot con-vince himself that such is absolutely the case he admits that it consoles him

HERE AND THERE.

On the island of Corsica, where chest-nut mess abound, chestnut flour is very cenerally used as a substitute for wheat flour. They closely resemble the work area found in Australia. Aus-bater long to four the largest in the work area four build great mounds for the rest filteen feet in height and barter of the population of 409.-

the scheme may be said to have made a

lege, which are worth about \$250,000, 000,000, has only 46,000 foreigners in her huge area It.

him, has not yet been got under, and it is a question whether he will overcome | earth.

A merchant who is considered the Astronomers long ago came to the Rothschild of a small German town ex-

disease, which in a few days had seized noon and midnight and are greater few years he had enough to begin busis than any natural temperature on the ness in a small way. The United States has over 1,800 pub-

lle libraries, containing more than 15,* 000;000 volumes.

Thirty-five per cent of inebriates who remain in inchriste retreats for a year or more are permanently cured. The county of London covers 75,442 acres, but the London police area in