The end of Government is to protect man in the lawful use of his liberty; and Constitutional Government is now generally conceded to be best calculated for this purpose, because it restrains the rulers from unjust exercise of their power, and secures and retains to them the obedience and affection of their subjects. Such being the case, the question now naturally arises: What kind of Constitutional Government is best adapted to fulfill these ends, and thus render itself most beneficial to the nation which is by it governed?

A Constitutional Government is a government in which both rulers and ruled are bound to obey a certain Constitution, or set of laws, which lays down the mutual obligations of rulers and ruled, and defines the rights and privileges of both in like manner. When considering the kinds of Constitutional Governments, we must remember that a name is naught, for the power alone, which it represents, is to be considered. Laying this down, we can divide Constitutional Governments into two great classes, responsible and irresponsible governments. A responsible government may be defined to be one in which the Administration is subordinate to the Legislative branch of the Government and in which the Legislature can at any time change the Administration so as to make it conform with the views of the legislative majority. An irresponsible Government, on the other hand, may be defined to be a government in which the Executive and Legislative branches are wholly free from one another, and in which the Executive can only be changed at stated intervals, greater or less. As a representative of the latter class, we may take the United States; of the former, either England or Switzerland. The origin and history of what I here call irresponsible Constitutional Government is well known; but it might be apropos to state in a few words that of responsible government. It took its rise in England, and was founded on the sole power of the Commons to originate bills for raising revenue and for impeachment of the Crown Ministers. It was more fully developed by the acknowledged rights recognized in the execution of Charles I, the war of Parliament with and the deposition of James II, and the election, in 1688, of William and Mary to the throne. From that time forth, the present form of responsible Government may be said to be a reality, and since then it has been introduced in many countries of the Christian world, notably Belgium, Austria, and France.

In comparing these two kinds of Constitutional Government, let us take our country, and see the formation of the
Government, and the powers of the two branches. The Executive consists of a President with his advisers, known as the Cabinet, appointed and removable by himself with the consent of the Senate, a consent rarely refused. He is elected for a term of four years by stated electors, and can only be removed before the end of that time by impeachment and conviction for treason, bribery, or other high crimes. He has full control of the army and navy, and of the State militia when called into service, has the power of appointment of nearly every officer of the United States, and can call Congress when he deems it necessary, and veto any law passed by Congress; and, lastly, must see that the laws are truly and faithfully executed. The Legislature consists of the Senate and House of Representatives. The House is chosen directly by the people, for the term of two years. It has sole power of impeachment, of originating bills for raising revenues, of electing a President when the electors fail to do so, and co-ordinate power with the Senate in general legislation. The Senate is chosen by the Legislatures of the respective States for the term of six years. It has co-ordinate power with the House in general legislation, and sole power of confirming or rejecting all Government appointments, and of trying all impeachments brought by the House. Looking at the rights and privileges of both branches of our Government, as here set forth, we can plainly see that the two branches are totally distinct and independent, and that the power concentrated into the hands of one man, the President, is very great, and such as would be dangerous to our liberties, if ever wielded in favor of self or party.

Choosing England as the example of a responsible Government, let us examine into the power and relations of the Administrative and Legislative branches of its Government. Legislation is there carried on by the Parliament, which consists of the Lords and Commons. The House of Lords is a permanent and hereditary body, possessing the power of our Senate, excepting that of confirmation of Government appointments. The Commons are elected every seven years by the voters, and possess the power of our House, with the addition of certain rights by means of which the Administration is made responsible to them. In this responsibility consists the distinction, and the whole practical distinction, between the two Governments. The Administration consists of a certain number of Ministers, forming the Ministry, at whose head is the Queen, who, though in theory she commands them, yet in practice is commanded by them. These Ministers have seats in either House of Parliament, and through them the Crown takes the initiative in legislation. As long as the bills and measures of the Administration are passed by the last elected House, it is supposed to be in accordance with the will of the voters. The whole responsibility of executive and legislative measures, both those which they bring forward, and those which they fail to bring forward, is thrown on the Administration, and they cannot shirk their duty by attempting to throw the blame on any one else. They cannot say: "We suggested such and such a policy, but you would not carry it out"; they must, and do, carry it out themselves. Whenever the Commons will not pass the measure of a member, not of a party, unless it be agreed on in party caucus, which it will not, except it be germane to and in furtherance of the idea on which that party was founded. A war or anti-slavery party would split on any question excepting that to decide which it was formed; if it were called on to decide the question of hard or soft money, it would assuredly fail to agree. Yet this caucus support is the nearest approach which we possess to the making a party responsible for a bill, and it but represents the inertia which impels a party to move in a set direction because its way is there laid down, not because the country does or does not require that it do so.

The Ministers of the British Government, as I have said before, have seats in either the Lords or Commons, generally in the latter; and they must always be of the same political faith as the majority of the last-mentioned body. They introduce all measures for the consideration of Parliament, and defend these measures on the floor of the House; while the leaders of the Opposition, as the minority is called, simply criticise the measures brought forward, unless they have others which they think would be more acceptable to the Commons. If a government measure be defeated in the Commons, one of two courses can be chosen: either the existing Ministry resigns, and a Ministry composed of the Opposition comes in, or the existing Ministry advises the Queen to dissolve Parliament and to appeal to the voters. If the latter course be pursued, and the voters sustain the Ministry, a House will be returned favorable to the law opposed by the last one. In such a case, the existing Ministry remains in power, and the leaders of the old minority are still in opposition. If however the voters oppose the existing Ministry, the new House will be of the same complexion as the old, and the Ministry resigns to avoid impeachment. The leader of the Opposition is invited by the Queen to form a new Cabinet, which he does, selecting the members from his own party. In such a Government the House is supreme; the Queen has but the right of vote, and of dissolving and calling Parliament. A system of this kind gives us the ablest advocacy of government measures, and the most scrutinizing criticism; retains statesmen in complete independence of party, and yet keeps the Administration responsible to and in harmony with the Legislature, and both of them responsible to and in accord with the people.
from flutta, thus called a flautando in flusci; insmuch as a flute is long, like the lamprey, and has holes all along it, like that fish. The ancient fistula, or flutes, were made of reeds; afterwards they were of wood, and at length of metal. But how they were blown, whether as our flutes, or hautboys, does not appear. It is plain some had holes, which at first were but few, but afterwards increased to a greater number, and some had none. Some were single pipes, and some a combination of several, particularly Pan’s syrings, which consisted of seven reeds, joined together sidewise. These seven reeds had no holes, each giving but one note—in all seven distinct notes; but at what intervals is not known. Perhaps they were notes of the natural or diatonic scale. The fistula, in ancient music, was an instrument of the wind kind, resembling our flute, or flagelolet. The principal wind instruments of the ancients were the tibia and fistula; though these were constituted, or wherein they differed from each other, is uncertain. The fistula was at first made of reeds, and afterwards of other matters. The flute has had many names, as flauto, flautino, flauto traverso, flauto tedesco, flautone, fluta, etc.

The flute-à-bec, or fistula dulcis, was once a common flute, and was blown at the end; it was also termed the English flute, and by the French la flûte dore. The flute-à-bec was held perpendicularly to the mouth like the clarinet.

The ancient flute, which had some sort of mouthpiece, was double as well as single. It was often composed of two tubes, both played together, which would seem to show that the enlightened nations of antiquity possessed some knowledge of harmony.

The Boehm flute was completed by M. Boehm, of Munich, in Germany, in December, 1832, and Mr. Badger, the American manufacturer, claims for it—perfection of tone, because every aperture is in its proper and natural position; equality of tone, because the holes are equal in size and distance, relatively, to the conical form of the instrument; superior quality of tone, because the bore of the instrument is not sacrificed (as in the ordinary flute) to a false arrangement and size of the finger holes; greater susceptibility of sweetness, because every note can be produced without exertion or difficulty; increase of power, because every hole is enlarged to the most available extent consistently with purity of sound.

The common flute consisted of a tube about eighteen inches long and one inch in diameter, with eight holes disposed along the side, by the stopping and opening of which with the fingers, the sounds were varied and regulated. This was an improvement on the flute-à-bec, which name came from the old Gaulish word bec, signifying the beak of a cock, because the end at which it was blown is formed like the beak of that animal. The common flute is still so called to distinguish it from the German flute. Lucretius says: “The common flute has its origin from the breathing of western winds over certain reeds”; and thus, he tells us, was suggested to man the rural pipe, the simple tube; of which the ingenuity of later ages have improved into one of the most fascinating instruments of which art can boast.

The German Flute is a wind instrument of German invention, consisting of a tube formed of several joints, or pieces, screwed together, or into each other, with holes along the side, like those of the common flute. It is stopped at the upper end, and furnished with movable brass or silver keys, which, by opening and closing certain holes serve to temper the tones to the various flats and sharps. In playing this instrument, the performer applies his under lip to the hole about two inches and a half from the upper extremity, while the fingers, by their action on the holes and keys, accommodate the tones to the notes of the composition.

The flute was held in much esteem in days of antiquity; it filled an important place at festivities, in the service of the temple, in triumphant strains, and in the sadness of funeral obsequies. It was deemed so essential to oratory, that speakers regulated their discourse, and poets the rhythm of their verses, by its sounds. It was invented at a very early period, and passed through many changes; but only in modern times has it obtained that degree of perfection which we may be justified in terming its culmination point. The flute has become a new instrument. Not only is its treatment and mode of performance altogether different in our days from what it was formerly, in respect to its being more free and more decisive, but the taste for this instrument has become more extended and more refined, and the important part which has been assigned to it in the modern opera has so far extended the circle of its utility, that the flute may be almost said to rival the violin. In a word, such is the degree of perfection to which it has attained, that all the acquirements of our ancestors on this instrument would now appear mean and contemptible. This most delightful of wind instruments, and which, of all others, is thought to approach the nearest to the human voice, is, however, sometimes misemployed by players, in forcing it to produce a kind of trumpet tone, instead of its natural mellifluous sound. This tone is quite foreign to the character of the flute, and has, in a great measure, been the means of strengthening the prejudice that prevails against it, and which will not allow it to be a proper instrument for concerts. This prejudice is still more confirmed by the generally composed of this kind, as they are, in many instances, too much uniform to keep attention alive, or to interest strongly the hearers during any long series of passages. If players were more studious to imitate the varied and more delicate bowings of the violin, and particularly its effects in legato, and above all in staccato passages, then the flute concerto, instead of resembling the tones of a musical clock, could not fail to touch the heart, and to produce the powerful effects of the human voice, to which the sounds of this instrument so much assimilate. The virtuoso, who, to justify his very name, ought to be one who prizes excellence only, is, according to the taste that now prevails in the musical world, rather solicitous to excite surprise by the powers of execution, and by artificial difficulties, than by simplicity and purity of taste; he considers that which costs the most the most worthy of attention. Art is now everything; and, as this always stands opposed to nature, the virtuoso who studies only to excite admiration and surprise frequently exercises his powers at the expense of the ear, to which he ought always to pay the greatest deference, and without whose approval all music is vain and ineffectual. The true master of his instrument is able to show on that alone all the power which music possesses of touching the heart, of unlocking all the sacred sources of the feelings, and will require nothing from his instrument that is contrary to its genius. Real art is only from within; where she reigns, mechanical art must always yield due submission. She holds the command over the powers of execution, and creates a language peculiar to herself, in order to give utterance to deeply-seated feelings, and to impart them to
others. Devoutly is it to be wished that those performers who are ambitious of drawing from the flute the tones of the bassoon or the clarinet would well consider this, and be governed by the predominant character of their instrument, which is confessedly the elegiac—a character of the greatest sweetness, and of that pathos which goes at once to the heart. Within a few years, Mr. A. G. Badger, of New York, has commenced in this country the manufacture of the Boehm flute, which he considers an improvement on all others. In his “History of the Flute,” he says: “At the commencement of the last century, the German flute, which, in allusion to the position in which it was held, was also termed the “flauto traverso,” or transverse flute, began to divide the public favor with the the flute-a-bec. The superiority of the German flute over the flute-a-bec consisted in its improved quality of tone and somewhat better intonation. On the flute-a-bec no skill of the performer enabled him to vary, to any extent, the quantity and quality of its tone, or the pitch of the notes, owing to its being voiced with the tongue, like the pipe of an organ, or like a common whistle; but on the German flute the notes were produced by the immediate agency of the lips: comparatively a greater variety of tone, and certain improvements, even as to intonation, were consequently obtained. At that time the German flute had but six holes, which were stopped by the first three fingers of each hand. From these holes, combined with the note given by the entire tube,—that is, when all the holes were closed,—was produced the diatonic scale of one key or mode, that of D major. Shortly after, however, an additional hole was made by Phillibert, a Frenchman, stopped by a key, (D sharp, or E flat.) This, which constituted the one-keyed flute, or flute with seven holes, as seen in the one-keyed flute of the present day, was a death blow to the flute-a-bec. It improved the quality of some of its tones, and extended its compass upward. Many a kindly prejudice, many a grateful recollection of past enjoyment, was enlisted in favor of an old servant, and lingered to the last, but in vain. The flute-a-bec is now among the things that were, or is to be met with only in the hands of the antiquary. The flute remained in this state until the last years, after the time of Cadmus, who flourished from about the year 1720 to 1726, and the new head joint in 1752. The use of the latter was of course not extensively adopted in the English orchestras. After this attempt was made to obtain a C natural by means of a key, the artificial C of the four-keyed flute, fingered thus, 0 2 0 1 2 3, being very imperfect. For this purpose a long key, acted upon by the first finger of the right hand, known as the C shake key, was added; but although a good note was thus produced, it has been of little use, excepting in the shake with B, owing to the necessity, when using it, of moving the right hand. About the same time the tube was lengthened, and two long keys were added at the foot of the instrument, giving the two additional low notes, G sharp and C natural. This was the seven-keyed flute. The duplicate long F key, acted upon by the little finger of the left hand, was next added, to facilitate the execution of the notes D natural or E flat, in connection with F natural; and thus was completed the ordinary eight-keyed flute. As many as seventeen keys have been added to some flutes, but the standard number has long been eight. Attempts were also made, from time to time, to improve the tone of the instrument, by enlarging the holes, and by variations in the bore. Joseph Tacet, before mentioned as the originator of the four-keyed flute, made experiments with large holes, as also did the late Mr. Nicholson. But these efforts, both as to the size of the holes and the variations in the bore, could only be partially successful, owing to the radically incorrect position of the holes and the erroneous principle upon which the keys were constructed.

Ancient Irish Literature.

A gross slander, and one easily refuted, is that the Milerians had no alphabet or knowledge of letters until St. Patrick introduced the Roman alphabet, A. D. 432. Cadmus, in the year 1493 before Christ, brought with him from Phoenicia or Tyre, the alphabet into Greece. Tyre was then the most refined city in the world; the most advanced arts and sciences were practiced there, and 493 years after the time of Cadmus, King Solomon obtained from
Tyre the artificers who erected the famous Temple at Jeru-

salem. It was at this time, 1000 years B. C., that Milesius led

his expedition westward in search of new lands. Milesius

was the son of Hiram, King of Tyre, and son-in-law to King

Solomon, and it would be unreasonable to suppose that

such a man rejected all learned men, all skilled artificers,

and chose for his companions and advisers the poor and

illiterate, those only fit to hew wood and draw water.

Plutarch calls the island discovered by them "Ogygia,"
or very ancient; "the inhabitants draw," he says, "their

history from the most remote antiquity, so that that of other

nations is new when compared to theirs." Camden says:

"From the deepest sources of antiquity, the history of Ire-

land is taken; and in comparison to theirs that of other

nations is but a novelty and a beginning."

The Psalter, or records of Tara, Cashel, Inisfail, and

Clonmacnoise, are written in the Ogham or Scoto-Milesian

character, which is much older than the Latin. The late

lamented Eugene O'Curry has left stored away piles of

volumes written in those characters, on the shelves of the

Royal Irish Historical Society of Dublin, nor is there any

extensive library in Europe that does not contain volumes

of such, left there by their Irish patron saints or by those

who in the time of Henry the Eighth and his daughter

Queen Elizabeth had to flee for their lives, carrying with

them those precious relics of their persecuted country's for-

mer literary glory, which extended back to the time of Ol-

lam Fodla, the Ard-Ri, or King of all Erin, who reigned

about 700 or 800 years before Christ. He was the first Irish

king who gave his subjects a code of written laws. These

statutes were written on parchment at each triennial council,

held at Teamore or Tara, and hence called the Psalter of

Tara.

The Phenicians brought with them a knowledge of all

the arts, sciences and literature then known in the world,
in their own original language, 1000 years before Christ,
while the Britons first heard of letters only after they were

enslaved by the Romans 50 years before Christ.

St. Patrick met King Laghaire, or Laogare, at Tara upon

his first landing, A. D. 432, and found him and his council

engaged in revising the codes of written laws, many of them

centuries old. The Saint afterwards obtained such influ-

ence with the provincial kings as to induce them to order

the burning of all the books of the Druid priests, which

must have been very ancient.

St. Patrick died in 493; he found Ireland all pagan; he left

it all Christian; and at this present hour, that particular

form of faith then established in Erin is to-day growing,
flourishing in every section of the earth, the same in Aus-

tralia as it is in America. Ireland never produced a here-

siarch, and the descendants of those very people whose an-
ccestors were baptized by the blessed hands of St. Patrick

may be seen all over the world to-day—their priests preach-
ing the same articles of faith, directing the erection of new

churches in the same style of architecture which was adopted

by the Saint himself; while their Brothers, scattered

over the great cities of these countries, teach the boys the

faith of their forefathers by the tens of thousands, and the

blessed daughters of St. Bridget vie with the priests and

brothers of the same nationality in their labors for the

same ancient faith, the former, amid the smoke of battle

and bursting shells during our late war offering the

last rites of the Church to the dying soldiers on the battle-
field—the latter binding up their wounds in the hospital-
tents upon the field, in the great depots of misery on land,
Milesius departed from Tyre on his western voyage at the same time that King Solomon's fleet—built, commanded and manned by Tyrian seamen—left the Red Sea for Ophir—a three years' voyage,—in search of gold for the Temple,—one hundred years before Homer wrote his poems, —247 years before Rome was founded by Romulus and Remus, as a shelter for their robber-bands. In the year 738 B.C., Oliam Fodila, of the royal race of King Hiram of Tyre, descendant of Milesius and King of Erin, was compiling his laws and statutes in peace, for the government of his subjects, at Tara, his royal residence; and nineteen hundred and sixty-eight years later, when King John of England, on the 15th of June, 1515, granted Magna Charta to his barons at Runnymede, scarcely one of them was able to write his name! When these great nobles were not able to read or write, in what state of ignorance must have been the commoners! B. P.

Scientific Notes.

—A great loss for science is the death of the French West African explorer, the Marquis de Compiègne. His death was caused by a wound received in a duel at Cairo.

—How much the beautiful public gardens of Kew, near London, are appreciated, may be judged by the statement recently made that 500,000 persons often visit them on a holiday. The collection of plants and exotics is unsurpassed, and the curator, Sir William Hooker, stands at the head of botanical science.

—The commonly accepted idea has been that the pearl is the result of some accidental deposit or extrava­ sation of the liquor secreted by the animal in the gradual enlargement of its shell, slight in the first instance, but increased by successive layers of pearly matter. According to a paper read before the London Linnean Society, the produc­tion of pearls in oysters is simply due to the irritation occasioned by the attacks of the minute entozoon known as di­ toma. The author of the paper held that, by artificial means, the abundance of this parasite might be greatly in­ creased and made profitable in a pecuniary sense.

—One of the first astronomers of the age, the renowned Father Secchi of Rome, has just published a very note­ worthy letter in the Voce della Verità, in which he com­ plains that he is persecuted by three sorts of assailants. Some tell him coarsely that, being an astronomer, he is con­ sequently an Atheist. Others accuse him of making the true Science of Nature servicable to the cause of supersti­tion. Others again that he is departing from the traditional physical science of St. Thomas Aquinas. The Father replies to all these: “In the realm of faith, I hold fast to the teaching which proceeds from the Vicar of Christ; in the realm of physics, I hold fast to the teachings of nature and experiment.”

—The important discoveries of Prof. Marsh, of New Haven, are the subject of many complimentary notices abroad. The Geological Society of London has recently put some of these compliments into tangible shape by awarding to Prof. Marsh the Bigsby medal, accompanied with appreciative remarks. The researches of Prof. Marsh are referred to in some detail, and several of the fossil vertebrates whose forms he has described are mentioned by name. The resolution says: “He has distinguished himself by studying the fossil remains of nearly every great group of the vertebrata from the palaeozoic, cretaceous, and paleozoic strata of the New World. The field of his re­ search has been immense, but it has been very correct; and his descriptive and classificatory palaeontological work indicates his effective grasp of anatomical details, and his great power as a comparative osteologist.”

—The notion of voyages around the world for scientific study was produced by the French. A small expedition has been organized to carry out this object. The President, M. Emile Levasseur, is a member of the Institute. The board of di­ rectors also includes a viscount, a baron and a naval lieu­ tenant. There is attached a consulting committee, of which the chairman is Ferd. de Lesseps, of Suez Canal fame. The other members of the committee are the natural­ ists Geoffrey Saint-Hilaire; the botanist Du Château; P. B. Le Monstre, the director of the Paris High School of Com­ merce; the physicist and astronomer Janssen; and Dr. Li­ ouville, an expert in hygiene and climatology. The inten­ tion is to get everything in readiness for a voyage to last a year. The expense is to be paid by the tourists who sub­ scribe, and is estimated at $5,000 to $7,000 apiece. It is supposed that the honor of going under such distinguished auspices will have due weight. Doubtless the society will be able to furnish unusual facilities for scientific investiga­ tions as well as for the pleasures of sight-seeing and ex­ tended travel.

—At a late session of the German Institute of Archaeo­ logy, held at the rooms in the Palazzo Caffarelli, Cam­ pignolo, the learned men bers criticised severely Dr. Schlie­ man's expedition to Troy. The searching criticism and dis­ cussion have extended to France. A society has been organ­ ized to carry out this object. The President, M. Emile Levasseur, is a member of the Institute. The board of di­ rectors also includes a viscount, a baron and a naval lieu­ tenant. There is attached a consulting committee, of
opinion, but the expectation was in each case erroneous, and she never repeated her exercise of the masculine virtue of forgiving.

—There seems to be no limit to the absorbent power of the book-buying public as regards Dickens. Of the new Chapman & Hall edition no less than forty-two thousand copies of the “Pickwick Papers” were “subscribed” for by the English book trade before publication.

—The French exhibition of “Rembrandts, drawings and etchings,” all but 12 of the 270 to last three weeks. This collection includes over 400 woodcuts, and all but one of 109 engravings on copper of Rembrandt’s drawings and etchings at Versailles will have an authoritative examiner in Mr. C. T. Newton, of the British Museum, who has gone to inspect the collection at Athens. The charges of modern gold and disguise work and “Brummannen” were now be sifted.

—The anniversary of Goethe’s death, March 22, was to be signalized at Brussels by the publication, under the Cotta imprint, of the poet’s letters to Frederick the Great. The collection, edited by Dr. Ude, consists of one hundred and six letters on scientific, literary, and social topics.

—Gounod was leaning out of his box at the Théâtre Lyrique, in Paris, a few evenings since, at the first representation of the “Timbre d’Argent,” and was following the music so intently, with his eyes fixed on the score, which he held in his hand, that the audience began watching him. Suddenly a voice in the gallery said: “That fellow in the box wants to make us believe that he can read music.”

—the school-book publishers are quite generally changing the basis of their prices to a wholesale price list which averages 50 per cent. off the previous retail prices. A new retail price is made by adding 25 per cent. to the wholesale rate. The change was brought about largely to obviate the prejudices against the old retail prices, which had become in great measure nominal. The new retail price is about one-eighth off the old.

—Mr. John Oxenford, the eminent dramatic author and critic, who was born in 1812, was originally intended for the legal profession; but the success of his early literary efforts encouraged him to devote himself entirely to literature. He was the author of numerous translations, operas, melodramas, comedies and farces, and the manner in which they were constructed bore evidence to his comprehensive knowledge of the languages and dramatic literature of France, Germany, Italy and Spain.—American Art Journal.

—The Bodleian Library has just acquired the Hebrew translation of a part of the problems (books I to III of the Hebrew translation, which is the unique MS. known, of great value. The Arabic text being lost (it is mentioned as Quaest. Physica, Libri IV, in Clarissi’s Bibliotheca Arabico-Hibernica, 1837, from an Arab. biograph., the Hebrew translation, which is the unique MS. known, of great value.

—We recently discovered an infant musical prodigy in a charming little girl of five years. She is the daughter of Mr. Elwood Matson, of Lester Junction, Vt. Nearly three years ago, before she began to prattle, this little thing would be placed at the piano and showed a remarkable musical instinct, playing correctly nearly every popular melody she had heard. Since then she has learned the notes, and plays gracefully anything placed before her. She is undoubtedly God-gifted, for her talent is not imitation but real intuition.—American Art Journal.

—an examination of our numerous exchanges published at the different points along the route where Miss Abbott has been giving a series of concerts, gives the most gratifying demonstration of her popularity among the people, and almost unprecedented success. In Chicago she received a tremendous ovation, and ten thousand tickets were sold. In Milwaukee, she is declared to have received more than an ovation, “an old Roman Triumph,” $5,000 tickets being sold for her first concert. And it gives us genuine satisfaction to chronicle her successful tour.—American Art Journal.

—the sale of the collection of the late Frimlin Didot, the famous Paris publisher, begins on April 16, and is expected to last three weeks. This collection includes over 400 Rembrandts (drawings and etchings), all but 12 of the 270 woodcuts, and all but one of 109 engravings on copper of Albrecht Dürer; over 100 specimens of the work of the old Italian engravers; drawings by Holbein, Burgmair, Murer, Lucas van Leyden, Quentin Matsys, Baldung Grün, Dürer, Dürer, etc.; and over 2,933 subjects, besides a large number of engravings. The Rembrandts are said to be the finest in existence. Among them are “Night Patrol” and the “Resurrection of Lazarus,” which the Czar offered to purchase a few years ago for $140,000. That portion of the collection known as the “Galerie des Conquetes” is alone worth $350,000. Many of the pictures now belonging to the Duc d’Aumale were formerly the property of the Prince de Saluces, his father-in-law, from whom he inherited them. They formed the nucleus of the entire collection, which has been gradually increased for the last five and twenty years.

Books and Periodicals.

—Church’s Musical Visitor for April is up to the usual standard. The articles are carefully written and make perfect reading. The music, by the John Church & Co., Cincinnati, O.; price, $1.50 per annum.

—Mr. D. A. Nolan, 173 E. 33d-st., N. Y., has published a beautiful engraving of Our Lady of Lourdes. It is well worth the price asked for it, $1, and we can recommend it to the favorable consideration of our readers. We understand that he intends publishing in a short while an engraving of Our Lady of the Sacred Heart.

—Bohrer’s Automatic Piano Hand Guide is a pamphlet setting forth the advantages of an invention of the same name, together with numerous testimonials from the most celebrated pianists in Europe and America; a glance at which will be sufficient to convince the most skeptical of its utility. Gounod, the famous composer of “Faust,” goes so far as to say it is non seulement un perfectionnement mais une perfection.” C. H. Weegman, of Indianapolis, is the agent.

—the April number of the Musical World is on our table, and it is the most attractive number of this favorite monthly we have ever seen. The music consists of a charming new song and chorus by Geo. W. Persier, “I will return to Love”; a beautiful ballad by Jules Lafort, “Aileen”; “Song of the Rose,” Fantaisie, by Th. Oesten, and “Little Finger Redowa,” by E. Mack, three elegant piano forte pieces. These five pieces of music alone would cost in the usual sheet form about $2.90, while the “World” is furnished to subscribers at $1.50 per annum, or single copies 15 cents. The literary contents are fully up to the high standard of this excellent journal, and we advise all, in any way interested in musical matters, to send for the Musical World. Address, S. Brainard’s Sons, Publishers, Cleveland, O.

The Faith of Our Fathers: Being a Plain Exposition and Vindication of the Church Founded by Our Lord Jesus Christ. This third revised edition of the “Faith of Our Fathers” is printed and bound in a far superior manner to the first edition, and makes a handsome volume. Of the merits of the book we have already spoken, and we need now only state that the praise given by us has been reiterated in every Catholic paper in the land. That the book is worthy of this praise is evinced by the fact that within the last three months, notwithstanding the general dulness of the book-trade, ten thousand copies have been sold. Every Catholic in the land should possess a copy of this truly valuable work, more especially do we recommend it to all who are engaged in teaching Christian Doctrine in our lay-day schools.
Of the province of Moscow the report says: "The churches are empty, and the grog-shops are full. The influence of the clergy is fast declining; the clergymen [schematical] themselves have become strangers to the sacred character of their ministry. They are generally drunkards, and do not care even for the most essential prescriptions of their Church. Thus it frequently happens that the sacrifice of Mass is omitted. In the lives of the peasants the complete absence of such moral elements as are indispensable for the development of a nation is a deplorable fact."

Speaking of the province of Tula it reports: "The standard of morality is considerably lowered. The peasants rarely go to church. Stealing wood is not considered a sin. New feasts, which have scarcely any religious origin, are constantly being added to the already countless number of holydays. To sum up, the demoralization has become general." Of the province of Jaroslaw the report states that "drunkenness does not cease progressing. . . . The clergy are unfortunately below their mission. It not unfrequently happens with the village priests that they perform their sacred functions in a state of intoxication." Of the province of Kostroma: "The new feasts and drunkenness are the causes of moral degradation. Theft is developed to such a degree that wives defraud their husbands, children their parents, and the stolen goods are carried to the owners of the grog-shops."

Of the province of Kiev or Kiew it is reported: "The peasants are impoverished by their intemperance. The population can be fairly divided into two classes, those selling liquor and those drinking it. Anarchy is rampant. All is done for vodka [whiskey] and by vodka."

Of the province of Voronez and Jambof, we are told: "The mayors of the villages are absolutely swayed by the populace, who have no confidence in them. The mayor is powerless in presence of a village mob, and is sometimes forced to follow his subordinates to the tavern, to transact business there. The crimes against property are not daily but hourly increasing. The number cannot be estimated by the cases bound over to the courts, since the difficulty of obtaining witnesses is a dead weight to the course of justice."

In the province of Cherson it is said that "vagabonds, arson and other crimes are committed with impunity. The peasants have no other regard for the rights of property than the fear of being fined." In the province of Kurak, we are told "the peasant does not drink vodka every day, but when he does drink it he continues his libations until he is deprived of reason. In order to give himself up to his favorite vice, he spends his last copek [cent] and pawns all he has." In the province of Vladimir we are told that "it is well known that the lower classes observe only the exterior forms of religion. What they have heard in the church is soon forgotten. It may be remarked here that the clergymen (or popes, as they are called in Russia) confine themselves only to the performance of the rites of the Divine Service. Their mental capacities do not in the least surpass those of their people. They are guilty of all the repulsive vices common to the peasants."

In the Province of Ekaterinoslaf the inspectors report: "Our priests are even less cultivated than our peasants. Like them they are given to intemperance, and in a high degree they are eager for material gain," etc. Such is a glimpse at the endless tableau of depravity among the Russian peasantry and clergy. Such are, as officially stated, the morals of the nation which some wish to make the regenerators of the Orient! Does it not seem as if Divine retribution is visibly overtaking the persecutors of the poor Catholic Poles and Ruthanians? There is a
striking analogy between the present condition of Russia and that of France before 1789. The late Emperor Nicholas, the father of the present Emperor, may in some respects be compared to Louis XIV. Like this great king of France, he was the first monarch in Europe until the outbreak of the Crimean war. Poland was crushed in 1839, the Ottoman Empire had received a staggering blow some years previous. When the great revolution of 1848 broke out, all the monarchs of Europe, with the exception of the Queen of England, looked upon the great Emperor Nicholas as their protector from the fury of their own enraged populaces, which had been kept too long in the leading-strings of feudal and official tutelage. And the hopes of these sovereigns were not doomed to disappointment. The powerful insurrection in Hungary, which hitherto had baffled all the attempts of Austria to conquer it, was soon crushed by overwhelming hordes of Muscovite soldiery. And when in 1830, by the machinations of the German "Liberals," who wished to create the void meaning but weak-minded king Frederick William (the elder brother of King William) the fourth Emperor of Germany, to be anointed with the oil of radical democracy, things were ripe for civil war, it was again the Russian Czar who acted as umpire between Prussia and Austria, when the arrangement at Olmutz was made, satisfying both parties. The defeat of his armies at Sebastopol, however, broke the heart of the mighty Emperor. The prediction of the late Pope Gregory XVI, in a personal interview with the Emperor, was verified; he stood before the judgment-seat of the King of kings. The present Emperor, Alexander II, over whose private life we are obliged to throw a charitable veil, may be compared to Louis XV of France. Like him he is only a puppet in the hands of his ministers. The present chancellor, Gorchakov, bears in many respects a striking resemblance to that powerful minister, Choiseul. Some analogous events, such as the emancipation of the serfs and the war of independence waged by the Oriental Christians, have already transpired during the reign of Alexander II, while the serfs of France were only emancipated by the unhappy Louis XVI, in whose reign the war of American independence was carried on and ended. The leader of the Servians in their late struggle, General Thermajeff, has by some, not unjustly, been compared to General Lafayette. As the French in the past century hastened to assist the struggling Americans in their battle for freedom, so many Russians have hastened to the battle-fields of Servia to assist their brethren in religion against the Mussulman oppressor. The continuation of this historical analogy belongs to the future. It is said the Russian crown-prince resembles in many respects, especially in his virtuous private life, the unhappy Louis XVI; may a merciful Providence save him from the lot of this unfortunate prince. May he see, even in this hour, what will best serve him for peace, namely a restoration of religious sentiment, which alone can be affected by a sincere return to Catholic unity under the paternal guidance of the Vicar of Christ. We, and more particularly the nations of Europe, have all reason to pray for such an event, since otherwise it is almost beyond doubt that the progress of Russian society and government will take exactly the same course as that of French society in the last century. And when, if this should come to pass, the heads of the last of the Romanoffs has fallen beneath the headsman's axe, and the future Russian Republic, far more ferocious than ever was that of the French sans culottes, is exhausted from her bloody orgies, who knows if a Russian Bonaparte may not rise out of the scum of the rabble, to execute the vengeance of an outraged God on the guilty nations of Europe?

Personal.

—Joseph Kelly, of '64, is in business at Joliet, Ill.
—John Broderick (Commercial), of '68, resides at Cairo, Ill.
—John J. Ney, of '75, is practicing law at Independence, Iowa.
—George Noon, of '64, is Collector of Internal Revenue at Warren, Ind.
—Denis J. O'Connell (Commercial), of '75, is living in New York city.
—J. P. Quinlan (Commercial), of '73, is in business at Cleveland, Ohio.
—F. J. Weisensburger (Commercial), of '74, is in business at Defiance, Ohio.
—R. H. Clarke (Commercial), of '61, is doing a lucrative business at Wickliffe, Iowa.
—Robert Lang (Commercial), of '72, is in the coal and wood business at Muskegon, Mich.
—Isaac Dryfoos (Commercial), of '75, has taken a position in a wholesale dry-goods house, Cleveland, Ohio.
—Among the visitors at Notre Dame during the past week were Mrs. Thos. Calkins and Miss M. Casey, both of Toledo, O.
—F. H. Lang, of 72, having attended the lectures of the Jefferson Medical College, Philadelphia, Pa., has had his name decorated with an M. D.
—James L. Taylor, of '59, and of the well-known "Taylor's Battery" in the war of the Rebellion, is in the Government service, in Chicago, Ill.
—Reverend F. Goedlins Henne mann, O. S. B., of Crown Point, Ind., and P. Bahr, of San Antonio, Texas, were visiting Notre Dame on Wednesday last.
—Among our visitors the past week were L. J. Blanchard, Esq., of Pittsburgh, Pa., John Krost, of Crown Point, Ind., and Messrs. Turnbull and Lanigan of Chicago, Ill., and Mrs. Duransone, of Philadelphia, Pa.
—We had the pleasure of a visit on Wednesday last from Rev. Father Behr, pastor of SS. Peter and Paul's Church, New Braunfels, Texas, who is stopping for awhile at Notre Dame in order to recruit his health, impaired somewhat by the arduous labors of missionary life. Besides New Braunfels, we see the Catholic Directory also places him in charge of the stations of San Marco, Valenzs, Blanco, Honey Creek and Venzel.
—The Rev. Father Hennemann, O. S. B., who visited us on the 11th, was at one time President of the Benedictine College at Munich, Bavaria. Bearing that his Order would be expelled from the country, he with others came to the United States for the purpose of founding a college. He is now stationed at Crown Point, Ind., where he is universally respected for his great learning and worth. We hope to have him call at Notre Dame frequently.  

In Memoriam.

THOMAS J. CUNNEA.

The people of this city were shocked to hear of the death of this estimable young man, which occurred Saturday afternoon about 3 o'clock.

Thomas Joseph Cunnea was born in Reed township, Will County, Ill., in 1853, and consequently at the time of his death was nearly 24 years of age. He was the third son of James Cunnea, Sr., President of the First National Bank of Morris. Up to within five or six years he was unusually healthy, and seemed to be of a rugged constitution. Soon after the family came to live in Morris, Thomas was taken down with ague and fever, which assumed a chronic form and defied all remedies. In 1875 he was sent abroad with
Local Items.

- He had a fearful tussle with those pig's feet.
- The autograph fiend has begun operations.
- The gardeners are about commencing their spring work.
- The lecture of Rev. T. E. Walsh will be given the last week in May.
- The weather at the beginning of the week was really delicious.
- The double windows will be removed from the College.
- In a few weeks.
- The Philopatrians have been busy in Washington Hall the past week.
- Already the promenades around the upper lake are becoming enjoyable.
- The carpenters are making improvements in the vestibule of the new church.
- B. Robert began work on his garden, back of the Infirmary building, on Wednesday.
- On the 8th inst. the "Young Americans" beat the Exclorists with a score of 20 to 24.
- Additions have been put to the carpenter and other shops at the Manual Labor School.

The NOTRE DAME SCHOLASTIC.

The members of the Junior Choral Union are engaged in rehearsing a number of choruses.

Just nowadays the weather is all smiles and tears; the smiles, however, seem to predominate.

The winter being over, the storm-doors are being removed from the many doors on the different buildings.

The old pier at the upper lake is no longer handsome, and should be removed. A new one might take its place.

The disciples of Isaac Walton were out enjoying conquest sporting on Tuesday last. Their luck was only ordinary.

Now that spring has set in earnest, shovels and rakes and all like implements are being brought into requisition to clean up the premises.

The new organ for the church will be similar to that of the Cathedral of the Holy Name, Chicago. It will be constructed in New York.

The small organ now in the transept of the new church is for sale. Anyone wanting a good organ for a small price has a chance for a bargain.

A great many trees were planted about the Manual Labor School a few days ago. They will do much to improve the looks of the place.

We hear some talk about increasing the number of the bath-rooms, because the present number is not sufficient to accommodate all the students.

There were six games of baseball going on at one time on the Campus last Tuesday. This does not show any falling off in the love for the game.

We would suggest that the different societies make all arrangements for Society Day. They should not put this matter off until the last few weeks of the year.

Matters and things in the classes go on as usual. There seems to be a feeling among all the students to improve all their time between this and the Commencement Day.

The Surveying Class were out on Tuesday last. They wound up at the shoemaker shop, where they occupied several hours in taking the measure for the "Irresistible's" shoe.

The Star of the East B. B. C. played the Juanitas a game last Tuesday. At the 8th inning, when the game closed, the score stood 28 to 27 in favor of the Juanitas.

We would suggest that the banks of the upper lake, near the boat house, might be improved by filling up and planting trees, etc. It is the outside part of the scenery about the lake which does not look well.

Vespers to-morrow are of St. Frances of Rome, pages 131 and 34 of the Vesperal, with a Commemoration of the second Sunday after Easter, page 80. Every one should mark the pages of the Vesperal before going to Vespers.

The following are the members of the Exclorist Baseball Club: W. Ohlman, c.; C. Larkin, p.; N. Vannanee, s. s.; G. F. Sugg, 1st b.; M. B. Kaufman, 2d b. and capt.; J. Phelan, 3d b.; J. English, l. f.; E. Moran, c. f.; R. Price, r. f.

The Nimrods took a trip to St. Joe Farm on Wednesday last. They took their lunch with them, and report that they had an A No. 1 time of it. It was a long promenade, but it was enjoyable, and considerable game was bagged.

Every one should make it a point to attend the Scientific Soiree next Thursday. The original Rip Van Winkle alone will repay their visit. From what we know of the matter, we can assure our readers that it is simply delightful.

The following are the positions of the 2d nine of the "Young Americas": E. J. Pennington, c. and capt.; W. Jones, p.; K. Scanlon, s. s.; C. Johnson, 1st b.; R. Johnson, 2d b.; M. Condor, 3d b.; A. Sievers, l. f.; F. Lang, c. f.; J. Burger, r. f.

The 9th regular meeting of the St. Cecilia Philoathesian Association took place on Friday, the 6th. The weekly reports were handed in; declamations were delivered by Messrs. A. Burger, M. B. Kaufman, J. Healy, A. Widulcombe, T. M. Lindberg, T. F. Fluegel.

The Asc Maria this week publishes a supplement containing the Allocation of our Holy Father the Pope. We
would recommend our readers to procure a copy and read the eloquent words of the Pope; by doing so they will obtain a true glimpse of the dispensation to which he is subjected in Rome.

—the following is the programme of a Séance to be held in Phelan Hall next Tuesday evening:

Address ...................................................... Carl Otto
Chaligraphy ........................................... H. C. Cassidy
Painting ............................................... W. P. Ban
Rip Van Winkle ........................................ N. J. Monroe

—a meeting of the Eureka B. C. Club was held on April the 8th. The following officers were elected: Pres't., W. Healey; Capt., M. Buchmeier; Sec'y, J. Ward; Treas., G. Bauman; J. Ward, c.; J. Thompson, p.; T. O'Hare, s. a.; G. Rothert, 1st b.; J. Frenner, 2d b.; A. St. Mary, 3rd b.; M. Buchmeier, i.f.; C. Brummer, f.; W. Hovey, r. f.; Gen­
tor, T. O'Hare; Field-Director, C. Brehmer.

—the Young America B. C. C. held a meeting on the 8th inst. The following officers were elected: Director, B. Leander; President, G. Crawford; Treasurer, F. McGrath; Secretary, O. Lindberg; Capt., B. Hoebe; Field Captain, R. French. The following are the positions: C. Faxon, c.; R. Hoebe, p.; L. Frazee, a. s.; O. Lindberg, 1st b.; J. Lamme, 2d b.; F. McGrath, 3rd b.; L. F. Nelson, c. f.; R. French, c. f.; M. Bauman, 1st b.; L. Ford, r. f.

—on Wednesday afternoon the members of the Lemo­nier Boat Club sat down to a well laden table at Mr. Chearhart's. The dinner was well served and when the party arose there was every evidence that the boys had done good credit to the restaurant. The guests were the Rev. Pres't. Colovin, Fathers Zahm, Walsh and Bigelow. The afternoon was pleasantly spent on the grounds adjoining Mr. Chearhart's residence, and in singing and dancing.

—the 25th regular meeting of the Columbian Literary and Dramatic Club was held April 7th. Rev. P. J. Colovin was present at the meeting and delivered a few remarks concerning the play given by the Society on March 16th. The President, Prof. Edwards, called a special meeting April the 10th, to the following subject was debated:—Resolved—That Ireland has been more tyrannized by England than Poland by Russia. On the above affirmative were P. Ha­gan, W. McGorrisk and M. Regan; negative: W. Arnold, J. P. Kinney and D. Leary. It was decided in favor of the affirmative.

—at the meeting of the Mutual B. C. C. the following officers were elected: Chas. Walsh, Capt.; A. J. Burger, Pres't.; W. A. Widdicombe, Sec'y.; J. Ingwerson, Treas.; W. Nicholas, Field Capt. The following shows the pos­ition of the various buildings: W. Nicholas, c.; A. J. Conner, p.; J. Mungowen, s.; E. Poor, 1st b.; L. Sievers, 2d b.; G. Peltier, 3d b.; Chas. Walsh, 1. f.; A. J. Conner, c. f.; R. Keenan, r. f.; The following are the positions of the 3d minims: Chas. Hall, p. and capt.; Gen. Donnelly s. a.; J. Rothert, 1st b.; J. Berry, 2d b.; J. Boehm, 3rd b.; J. Ingwerson, r. f.; P. Gibbons, c. f.; L. Wolf, r. f.

—in answer to a correspondent asking information con­cerning colleges, Pomroy's Democrat says: "We have no hesitation, however, in saying that Notre Dame is one of the most excellent institutions of its kind in the middle west. Its students are of good moral and intellectual character; its professors are men of the highest attainments in their respective sciences; its curriculum is comprehensive and well arranged; its campus is surrounded by beautiful scenery, and its location is healthful and invigorating. Its students are of various religious beliefs. The standard of studies compares favorably with that of leading American universities, and the cost of tuition, board, lodging, washing, etc., is very reasonable."

—the Minims, judging by a communication received from them, felt exceedingly flattered on the receipt of the "respect" of their old and esteemed friend the "Astrolo­ger" in the last number of the Scholastic. The Minims are astonished to find themselves so far advanced as to cause feelings of indignation in the bosom of so learned and witty a gentleman for doubting his astrological predictions. They say, however, that he is laboring under a "hallucination if he supposes that the Minims are not well informed as to the future. Their object in voting him a medal of such an in­ferior grade was simply to let him know how unwelcome to their sport-loving minds was the idea of having a white St. Patrick's Day. In their youthful memories that Feast is generally celebrated by a display of green and the inaugu­ration of field-sports after the contest is over, which, it appears, is done by the electric charges of the year by the Minims, from the banks of the St. Joe River (it being the only stream of any consequence in this neigh­borhood), on the first of January, to observe if any "grind­stones are floating up stream," and if this wonderful sight greets their eyes they will patiently wait for six weeks' sleighing in March. If the aforesaid predictions are not verified the Minims will charitably suppose it is owing to some "electrical phenomena" or "optical delusion."

—on Thursday, the 5th inst., a most wonderful gem of an art, a marvel of skill in needle-work and painting, passed the hands of Very Rev. Fr. G. O., from St. Luke's Studio, St. Mary's Academy. It is a silver case sent to our holy Father, Pope Pius the Ninth, as a gift, on the Golden Jubilee of his "Precouization," May 21st; and of his Consecration, June 3rd. It is made of white satin, embroidered with the following motto, presenting the Papal colors. It is diamond in shape, and on the cover in an octagonal form is presented a most exquisite symbolical painting in water-colors. The picture represents a table in the front of an altar. On it lies a purple veil, the Episcopal insignia rest; the whole overshadowed by the Celestial Dove. The following inscription in beautiful letters surrounds the picture:

"Quinquagesimo Anno Nascendi Episcopale
SS. D. N. PIL. PP. IX."—507

"Fiftieth Episcopal Anniversary of our most holy Father Pope Pius IX." Above the inscription is painted the Ti­ara; beneath is the Triple Cross; and the Keys of St. Peter are on either side. Upon opening the box an excellent photo, oil miniature of Very Rev. E. Soria, Superior General of the Minims, meets the eye. It is encircled by the following request: "Benedict mihi meisque, Sanctissime Pater! "—"Bless me and mine, most Holy Father!" Below the miniatures are the dates.—

3 JUNI, 1877.

Raising a white velvet lid, beneath, is found five compartments, destined to receive ten twenty-dollar pieces in gold. The sum, amounting to one thousand dollars, is to be a donation from the Congregation of the Holy Cross, including contributions from the students of Universities and Academ­ies belonging to the Congregation, and from the children of the various institutions under the charge of members of the Holy Cross; also offerings from intimate friends, etc. The charming little casket is composed of forty-three sep­arate pieces, all elegantly embroidered, and is something of which every donor may well be proud. Each line of the pencil reveals the rich devotion of a loving heart, and the skill of the artist is even less admirable than the deep faith which permeates the work. This gift of the Minims will be received by the Pope and affection will find a warm response in the heart of our glorious Sovereign Pontiff, and will, we are sure, draw special benedictions on American Art, special graces on all those who are so honored as to be represented in the gift.

—on Thursday evening, the 12th inst., Rev. Father Zahm concluded his course of Science lectures by giving a lecture on "The Lautemr as an Instrument of Scientific Demonstration." After a brief introduction the Rev. lec­tor spoke of the history of the instrument and educated a number of reasons for believing that it was very probably invented by the ancien Greek and Greek

THE NOTRE DAME SCHOLASTIC.
priests, particularly in temples famous for their oracles, and by the magicians and necromancers of the middle ages. He described briefly the magic lantern constructed by Father Kircher, the reputed inventor of the instrument, and spoke of the many improvements in construction made since his time and of the various kinds now in use. He exhibited several forms of the instrument, from the simple oil lantern, including the recently invented sciopticon, to the most improved oxyhydrogen stereopticon. In others he pointed out a beautiful lantern with a vertical attachment and other accessories, which he stated were awarded the first premium at the Centennial. After speaking of the various forms of the lantern and explaining their modus operandi, he told us of its usefulness as an instrument of demonstration in almost every department of Science and Art, remarking that it was par excellence the instrument of the lecturer on science. After this he gave an account of the various kinds of slides used, and showed experimentally during the lecture the improvements made in this respect by throwing on the screen samples of slides such as were first employed in the most finished and artistic now in use. He next called attention to the vertical lantern, spoke of its convenience and usefulness, and gave us an idea of its efficiency by projecting on the screen a number of Chladni figures and a galvanometer designed for that purpose. He also showed experimentally how effective the lantern is in illustrating spectrum analysis, and what an aid it is in studying the phenomena of reflection, refraction, interferences and polarization of light. He exhibited the principal accessories of the first-class lantern among which was a fine photo-electric microscope with which before the close of the lecture he exhibited a number of beautiful and interesting objects. After showing us the working of a number of chromatropes with which could be beautifully shown the phenomena of the recomposition of light, complementary colors, and by means of which could be experimentally illustrated the theories of color advanced by Newton, Young and Brewster, he made a number of curious and amusing experiments with the etiolute and stroboscope. He concluded his lecture by projecting on the screen a number of the smaller animals, in glass tanks made for the purpose. In appearance and rapidity of movement, particularly when stirred up, they far surpass the most ingenious and complicated rack-movement slide ever devised. For the number, variety and novelty of the experiments made during the evening, the lecture was pronounced the most interesting of the course. Before dismissing his audience, he thanked them for the attention paid during the evening, the and lively interest manifested during the entire course, and expressed a hope that we would again have the pleasure of speaking to them on kindred subjects on some future occasion.

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On and after Sunday, Nov. 26, 1876, trains will leave South Bend as follows:

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- 2 25 a.m., Chicago and St. Louis Express, over Main Line, arrives at Toledo 9 30; Cleveland 2 20 p.m.; Buffalo 8 10a.m
- 4 07 a.m., Mail, over Main Line, arrives at Toledo, 4 55 p.m.; Cleveland 9 45.
- 11 59 a.m., Special New York Express, over Air Line; arrives at Toledo 5 10 p.m.; Cleveland 9 40 p.m.; Buffalo 4 00 a.m.
- 5 10 p.m., Atlantic Express, over Air Line. Arrives at Toledo 2 40 a.m.; Cleveland, 7 10 a.m.; Buffalo, 10 10 a.m.
- 4 00 p.m., Way Freight.

**GOING WEST.**
- 2 45 a.m., Toledo Express. Arrives at Laporte 3 55 p.m, Chicago 6 30 a.m.
- 3 38 a.m., Pacific Express. Arrives at Laporte 7; Chicago 9 a.m
- 4 05 p.m., Special Chicago Express. Arrives at Laporte 5 20; Chicago, 8 20 p.m.
- 9 00 a.m., Accommodation. Arrives at Laporte 9 a.m.; Chicago 11 30 a.m.
- 8 30 a.m., Way Freight.

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CONDENSED TIME TABLE.

DECEMBER 10, 1876.

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Peoria Daily Express, 8 50 pm 9 30 am

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Chicago and Padvuah Railroad Express, 8 70 pm 9 30 am

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**Michigan Central Railway**

**Time Table—November 21, 1875.**

<table>
<thead>
<tr>
<th>Route</th>
<th><em>Mail</em></th>
<th><em>Express</em></th>
<th><em>Atlantic</em></th>
<th><em>Nigh</em></th>
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</thead>
<tbody>
<tr>
<td>Ly. Chicago</td>
<td>5:00 a.m</td>
<td>9:00 a.m</td>
<td>4:00 p.m</td>
<td>5:15 p.m</td>
</tr>
<tr>
<td>&quot; Mich. City</td>
<td>6:15</td>
<td>11:00</td>
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<tr>
<td>&quot; Niles ...</td>
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<td>9:55</td>
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<tr>
<td>&quot; Jackson...</td>
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<td>Express</td>
<td>12:40 a.m</td>
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<tr>
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<td>10:45</td>
<td>5:45</td>
<td>7:30</td>
<td>10:15</td>
</tr>
<tr>
<td>Ly. Detroit</td>
<td>7:00 a.m</td>
<td>10:45 a.m</td>
<td>4:00 p.m</td>
<td>5:40 p.m</td>
</tr>
<tr>
<td>&quot; Jackson...</td>
<td>10:40</td>
<td>12:40 p.m</td>
<td>7:15</td>
<td>9:55</td>
</tr>
<tr>
<td>&quot; Niles ...</td>
<td>4:45</td>
<td>7:35</td>
<td>8:40 a.m</td>
<td>5:40 a.m</td>
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<tr>
<td>&quot; Mich. City...</td>
<td>5:10</td>
<td>5:35</td>
<td>7:50</td>
<td>5:40</td>
</tr>
<tr>
<td>Ar. Chicago</td>
<td>7:20</td>
<td>10:00</td>
<td>6:10</td>
<td>6:20</td>
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**Niles and South Bend Division.**

> GOING NORTH.

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<th>Route</th>
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<th><em>Express</em></th>
<th><em>Atlantic</em></th>
<th><em>Nigh</em></th>
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</thead>
<tbody>
<tr>
<td>Ly. South Bend</td>
<td>8:15 a.m</td>
<td>7:15 p.m</td>
<td>9:05 a.m</td>
<td>8:00 p.m</td>
</tr>
<tr>
<td>&quot; Notre Dame</td>
<td>8:45</td>
<td>7:25</td>
<td>9:07</td>
<td>7:40</td>
</tr>
<tr>
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<td>7:00</td>
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**GOING SOUTH.**

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<th><em>Express</em></th>
<th><em>Atlantic</em></th>
<th><em>Nigh</em></th>
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<tbody>
<tr>
<td>Ly. Niles...</td>
<td>6:30 a.m</td>
<td>4:30 p.m</td>
<td>8:00 a.m</td>
<td>5:00 p.m</td>
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<tr>
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<td>5:32</td>
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<tr>
<td>Ar. South Bend</td>
<td>7:15</td>
<td>5:40</td>
<td>8:40</td>
<td>5:40</td>
</tr>
</tbody>
</table>

*Sunday excepted.*

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Prof. of Chemistry and Mineralogy,

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