

THE
INTER-STATE COMMERCE ACT
OF FEBRUARY 4, 1887.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That the provisions of this act shall apply to any common carrier or carriers engaged in the transportation of passengers or property wholly by railroad, or partly by railroad and partly by water when both are used under a common control, management, or arrangement, for a continuous carriage or shipment, from one State or Territory of the United States, or the District of Columbia, to any other State or Territory of the United States, or the District of Columbia, or from any place in the United States to an adjacent foreign country, or from any place in the United States through a foreign country to any other place in the United States, and also to the transportation in like manner of property shipped from any place in the United States to a foreign country and carried from such place to a port of transshipment, or shipped from a foreign country to any place in the United States and carried to such place from a port of entry either in the United States or an adjacent foreign country: *Provided,* however, That the provisions of this act shall not apply to such transportation of passengers or property, or to the receiving, delivering, storage, or handling of property, wholly within one State, and not shipped to or from a foreign country from or to any State or Territory as aforesaid.

The term "railroad" as used in this act shall include all bridges and ferries used or operated in connection with any railroad, and also all the road in use by any corporation operating a railroad, whether owned or operated under a contract, agreement, or lease; and the term "transportation" shall include all instrumentalities of shipment or carriage.

All charges made for any service rendered or to be rendered in the transportation of passengers or property as aforesaid, or in connection therewith, or for the receiving, delivering, storage, or handling of such property, shall be reasonable and just; and every unjust and unreasonable charge for such service is prohibited and declared to be unlawful.

Sec. 2. That if any common carrier subject to the provisions of this act shall, directly or indirectly, by any special rate, rebate, drawback, or other device, charge, demand, collect, or receive from any person or persons a greater or less compensation for any service rendered, or to be rendered, in the transportation of passengers or property subject to the provisions of this act, than it charges, demands, collects, or receives from any other person or persons doing for him or for them a like and contemporaneous service in the transportation of a like kind of traffic under substantially similar circumstances and conditions, such common carrier shall be deemed guilty of unjust discrimination, which is hereby prohibited and declared to be unlawful.

Sec. 3. That it shall be unlawful for any common carrier subject to the provisions of this act to make or give any undue or unreasonable preference or advantage to any particular person, company, firm, corporation, or locality, or any particular description of traffic, in any respect whatever, or to subject any particular person, firm, corporation, or locality, or any particular description of traffic, to any undue or unreasonable prejudice or disadvantage in any respect whatsoever.

Every common carrier subject to the provisions of this act shall, according to their respective powers, afford all reasonable, proper, and equal facilities for the interchange of traffic between their respective lines, and for the receiving, forwarding, and delivering of passengers and property to and from their several lines, and those connecting therewith, and shall not discriminate in their rates and charges between such connecting lines; but this shall not be construed as requiring any such common carrier to give the use of its tracks or terminal facilities to another carrier engaged in like business.

Sec. 4. That it shall be unlawful for any common carrier subject to the provisions of this act to charge or receive any greater compensation in the aggregate for the transportation of passengers or of like kind of property, under substantially similar circumstances and conditions, for a shorter than for a longer distance over the same line, in the same direction, the shorter being included within the longer distance; but this shall not be construed as authorizing any common carrier within the terms of this act to charge and receive as great compensation for a shorter than for a longer distance: *Provided, however,* That upon application to the Commission appointed under the provisions of this act, such common carrier may, in special cases, after investigation by the Commission, be authorized to charge less for longer than for shorter distances for the transportation of passengers or property; and the Commission may from time to time prescribe the extent to which such designated common carrier may be relieved from the operation of this section of this act.

Sec. 5. That it shall be unlawful for any common carrier subject to the provisions of this act to enter into any contract, agreement, or combination with any other common carrier or carriers for the pooling of freights of different and competing railroads, or to divide between them the aggregate or net proceeds of the earnings of such railroads, or any portion thereof; and in any case of an agreement for the pooling of freights as aforesaid, each way of its continuance shall be deemed a separate offense.

Sec. 6. That every common carrier subject to the provisions of this act shall print and keep for public inspection schedules showing the rates and fares and charges for the transportation of passengers and property which any such common carrier has established and which are in force at the time upon its railroad, as defined by the first section of this act. The schedules printed as aforesaid by any such common carrier shall plainly state the places upon its railroad between which property and passengers will be carried, and shall

contain the classification of freight in force upon such railroad, and shall also state separately the terminal charges and any rules or regulations which in any wise change, affect, or determine any part of the aggregate of such aforesaid rates and fares and charges. Such schedules shall be plainly printed in large type, of at least the size of ordinary type, and copies for the use of the public shall be kept in every depot or station upon any such railroad, in such places and in such form that they can be conveniently inspected.

Any common carrier subject to the provisions of this act receiving freight in the United States to be carried through a foreign country to any place in the United States shall also in like manner print and keep for public inspection, at every depot where such freight is received for shipment, schedules showing the through rates established and charged by such common carrier to all points in the United States beyond the foreign country to which it accepts freight for shipment; and any freight shipped from the United States through a foreign country into the United States, the through rate on which shall not have been made public as required by this act, shall, before it is admitted into the United States from said foreign country, be subject to customs duties, as if said freight were of foreign production; and any law in conflict with this section is hereby repealed.

No advance shall be made in the rates, fares, and charges which have been established and published as aforesaid by any common carrier, in compliance with the requirements of this section, except after ten days' public notice, which shall plainly state the changes proposed to be made in the schedule then in force, and the time when the increased rates, fares, or charges will go into effect; and the proposed changes shall be shown by printing new schedules, or shall be plainly indicated upon the schedules in force at the time and kept for public inspection. Reductions in such published rates, fares, or charges may be made without previous public notice; but whenever any such reduction is made, notice of the same shall immediately be publicly posted and the changes made shall immediately be made public by printing new schedules, or shall immediately be plainly indicated upon the schedules at the time in force and kept for public inspection.

And when any such common carrier shall have established and published its rates, fares and charges, in compliance with the provisions of this section, it shall be unlawful for such common carrier to charge, demand, collect, or receive from any person or persons a greater or less compensation for any service rendered, or to be rendered, in the transportation of passengers or property, or for any services in connection therewith, than is specified in such published schedule of rates, fares, and charges as may at the time be in force.

Every common carrier subject to the provisions of this act shall file with the Commission hereinafter provided for copies of its schedules of rates, fares, and charges which have been established and published in compliance with the requirements of this section, and shall promptly notify said Commission of all changes made in the same. Every such common carrier shall also file with said Commission copies of all contracts, agreements or arrangements with other common carriers in relation to any traffic affected by the provisions of this act to which it may be a party. And in cases where passengers and freight pass over continuous lines or routes operated by more than one common carrier, and the several common carriers operating such lines or routes establish joint tariffs of rates, fares, or charges for such continuous lines or routes, copies of such joint tariffs shall also, in like manner, be filed with said Commission. Such joint rates, fares, and charges on such continuous lines so filed as aforesaid shall be made public by such common carriers when directed by said Commission, in so far as may, in the judgment of the Commission, be deemed practicable; and said Commission shall from time to time prescribe the measure of publicity which shall be given to such rates, fares, and charges, or to such part of them as it may deem it practicable for such common carriers to publish, and the places in which they shall be published; but no common carrier party to any such joint tariff shall be liable for the failure of any other common carrier party thereto to observe and adhere to the rates, fares, or charges thus made and published.

If any such common carrier shall neglect or refuse to file or publish its schedules or tariffs of rates, fares and charges as provided in this section, or any part of the same, such common carrier shall, in addition to other penalties herein prescribed, be subject to a writ of mandamus, to be issued by any circuit court of the United States in the judicial district wherein the principal office of said common carrier is situated, or wherein such offense may be committed, and if such common carrier be a foreign corporation, in the judicial circuit wherein such common carrier accepts traffic and has an agent to perform such service, to compel compliance with the aforesaid provisions of this section; and such writ shall issue in the name of the people of the United States, at the relation of the Commissioners appointed under the provisions of this act; and failure to comply with its requirements shall be punishable as and for a contempt; and the said Commissioners, as complainants, may also apply, in any such circuit court of the United States, for a writ of injunction against such common carrier, to restrain such common carrier from receiving or transporting property among the several States and Territories of the United States, or between the United States and adjacent foreign countries, or between ports of trans-shipment, and of entry and the several States and Territories of the United States, as mentioned in the first section of this act, until such common carrier shall have complied with the aforesaid provisions of this section of this act.

Sec. 7. That it shall be unlawful for any common carrier subject to the provisions of this act to enter into any combination, contract, or agreement, expressed or implied, to prevent, by change of time schedule, carriage in different cars, or by other means or devices, the carriage of freight from being continuous from the place of shipment to the place of destination; and no break of bulk, stoppage, or interruption made by such common carrier shall prevent the carriage of freights from being and being treated as one continuous carriage from the place of shipment to the place of destination, unless such break, or stoppage, or interruption was made in good faith for some necessary purpose, and without any intent to avoid or unnecessarily interrupt such continuous carriage or to evade any of the provisions of this act.

Sec. 8. That in case any common carrier subject to the provisions of this act shall do, cause to be done, or permit to be done any act, matter, or thing in this act prohibited or declared to be unlawful, or shall omit to do any act, matter, or thing in this act required to be done, such common carrier shall be liable to the person or persons injured thereby for the full amount of damages sustained in consequence of any such violation of the provisions of this act, together with a reasonable counsel or attorney's fee, to be fixed by the court in every case of recovery, which attorney's fee shall be taxed and collected as part of the costs in the case.

Sec. 9. That any person or persons claiming to be damaged by any common carrier subject to the provisions of this act may bring suit therefor, or may bring suit in his or their own behalf for the recovery of the damages for which such common carrier may be liable under the provisions of this act in any district or circuit court of the United States of competent jurisdiction; but such person or persons shall not have the right to pursue both of said remedies, and must in each case elect which one of the two methods of procedure herein provided for he or they will adopt. In any such action brought for the recovery of damages the court before which the same shall be pending may compel any director, officer, receiver, trustee, or agent of the corporation or company defendant in such suit to attend, appear, and testify in such case, and may compel the production of the books and papers of such corporation or company party to any such suit; the claim that any such testimony or evidence may tend to criminate the person giving such evidence shall not excuse such witness from testifying, but such evidence or testimony shall not be used against such person on the trial of any criminal proceeding.

Sec. 10. That any common carrier subject to the provisions of this act, or whenever such common carrier is a corporation, any director or officer thereof, or any receiver, trustee, lessee, agent, or person acting for or employed by such corporation, who, alone or with any other corporation, company, person, or party, shall wilfully do or cause to be done, or shall wilfully suffer or permit to be done, any act, matter, or thing in this act prohibited or declared to be unlawful, or who shall aid or abet therein, or shall wilfully omit or fail to do any act, matter, or thing in this act required to be done, or shall cause or wilfully suffer or permit any act, matter, or thing so directed or required by this act to be done not to be done, or shall aid or abet any such omission or failure, or shall be guilty of any infraction of this act, or shall aid or abet therein, shall be deemed guilty of a misdemeanor, and shall, upon conviction thereof in any district court of the United States within the jurisdiction of which such offense was committed, be subject to a fine not to exceed five thousand dollars for each offense.

Sec. 11. That a commission is hereby created and established to be known as the Interstate Commerce Commission, which shall be composed of five Commissioners, who shall be appointed by the President, by and with the advice and consent of the Senate. The Commissioners first appointed under this act shall continue in office for the term of two, three, four, five, and six years, respectively, from the first day of January, Anno Domini, eighteen hundred and eighty-seven, the term of each to be designated by the President; but their successors shall be appointed for terms of six years, except that any person chosen to fill a vacancy shall be appointed only for the unexpired time of the Commissioner whom he shall succeed. Any Commissioner may be removed by the President for inefficiency, neglect of duty, or malfeasance in office. Not more than three of the Commissioners shall be appointed from the same political party. No person in the employ of or holding any official relation to any common carrier subject to the provisions of this act, or owning stock or bonds thereof, or who is in any manner pecuniarily interested therein, shall enter upon the duties of or hold such office. Said Commissioners shall not engage in any other business, vocation or employment. No vacancy in the Commission shall impair the right of the remaining Commissioners to exercise all the powers of the Commission.

Sec. 12. That the Commission hereby created shall have authority to inquire into the management of the business of all common carriers subject to the provisions of this act, and shall keep itself informed as to the manner and method in which the same is conducted, and shall have the right to obtain from such common carriers full and complete information necessary to enable the Commission to perform the duties and carry out the objects for which it was created; and for the purposes of this act the Commission shall have power to require the attendance and testimony of witnesses and the production of all books, papers, tariffs, contracts, agreements, and documents relating to any matter under investigation, and to that end may invoke the aid of any court of the United States in requiring the attendance and testimony of witnesses and the production of books, papers, and documents under the provisions of this section.

And any of the circuit courts of the United States within the jurisdiction of which such inquiry is carried on may, in case of contumacy or refusal to obey a subpoena issued to any common carrier subject to the provisions of this act, or other person, issue an order requiring such common carrier or other person to appear before said Commission (and produce books and papers if so ordered) and give evidence touching the matter in question; and any failure to obey such order of the court may be punished by such court as a contempt thereof.

The claim that any such testimony or evidence may tend to criminate the person giving such evidence shall not excuse such witness from testifying; but such evidence or testimony shall not be used against such person on the trial of any criminal proceeding.

Sec. 13. That any person, firm, corporation, or association, or any mercantile, agricultural, or manufacturing society, or any body, politic or municipal organization complaining of anything done or omitted to be done by any common carrier subject to the provisions of this act in contravention of the provisions thereof, may apply to said Commission by petition, which shall briefly state the facts; whereupon a statement of the charges thus made shall be forwarded by the Commission to such common carrier, who shall be called upon to satisfy the complaint or to answer the same in writing within a reasonable time, to be specified by the Commission. If such common carrier, within the time specified, shall make reparation for the injury alleged to have been done, said carrier shall be relieved of liability to the complainant only for the particular violation of law thus complained of. If such carrier shall not satisfy the complaint within the time specified, or there shall appear to be any reasonable ground for investigating said complaint, it shall be the duty of the Commission to investigate the matter complained of in such manner and by such means as it shall deem proper.

Said Commission shall in like manner investigate any complaint forwarded by the Railroad Commissioner or Railroad Commission of any State or Territory, at the request of such Commissioner or Commission, and may institute any inquiry on its own motion in the same manner and to the same effect as though complaint had been made.

No complaint shall at any time be dismissed because of the absence of direct damage to the complainant. Sec. 14. That whenever an investigation shall be made by said Commission, it shall be its duty to make a report in writing in respect thereto, which shall include the findings of fact upon which the conclusions of the Commission are based, together with its recommendation as to what reparation, if any, should be made by the common carrier, to any party or parties who may be found to have been injured; and such findings so made shall thereafter, in all judicial proceedings, be deemed *prima facie* evidence as to each and every fact found.

All reports of investigations made by the Commission shall be entered of record, and a copy thereof shall be furnished to the party who may have complained, and to any common carrier that may have been complained of.

Sec. 15. That if in any case in which an investigation shall be made by said Commission it shall be made to appear to the satisfaction of the Commission, either by the testimony of witnesses or other evidence, that anything has been done or omitted to be done in violation of the provisions of this act, or of any law cognizable by said Commission, by any common carrier, or that any injury or damage has been sustained by the party or parties complaining, or by other parties aggrieved in consequence of any such violation, it shall be the duty of the Commission to forthwith cause a copy of its report in respect thereto to be delivered to such common carrier together with a notice to said common carrier to cease and desist from such violation, or to make reparation for the injury so found to have been done, or both, within a reasonable time, to be specified by the Commission; and if, within the time specified, it shall be made to appear to the Commission that such common carrier has ceased from such violation of law, and has made reparation for the injury found to have been done, in compliance with the report and notice of the Commission, or to the satisfaction of the party complaining, a statement to that effect shall be entered of record by the Commission, and the said common carrier shall thereupon be relieved from further liability or penalty for such particular violation of the law.

Sec. 16. That whenever any common carrier, as defined in and subject to the provisions of this act, shall violate or refuse or neglect to obey any lawful order or requirement of the Commission in this act named, it shall be the duty of the Commission, and lawful for any company or person interested in such order or requirement, to apply, in a summary way, by petition, to the circuit court of the United States sitting in equity in the judicial district in which the common carrier complained of has its principal office, or in which the violation or disobedience of such order or requirement shall happen, alleging such violation or disobedience, as the case may be; and the said court shall have power to hear and determine the matter, on such short notice to the common carrier complained of as the court shall deem reasonable; and such notice may be served on such common carrier, his or its officers, agents, or servants, in such manner as the court shall direct; and said court shall proceed to hear and determine the matter speedily as a court of equity, and without the formal pleadings and proceedings applicable to ordinary suits in equity, but in such manner as to do justice in the premises; and to this end such court shall have power, if it think fit, to direct and prosecute, in such mode and by such persons as it may appoint, as such inquiries as the court may think fit to make, and to furnish such judgment in the matter of such petition; and on such hearing the report of said Commission shall be *prima facie* evidence of the matters therein stated; and if it be made to appear to such court, on such hearing or on report of any such person or persons, that the lawful order or requirement of said Commission drawn in question has been violated or disobeyed, it shall be lawful for such court to issue a writ of injunction or other proper process, mandatory or otherwise, to restrain such common carrier from further continuing such violation or disobedience of such order or requirement of said Commission, and enjoining obedience to the same; and in case of any disobedience of any such writ of injunction or other proper process, mandatory or otherwise, it shall be lawful for such court to issue writs of attachment, or any other process of said court incident or applicable to writs of injunction or other proper process, man-

datory or otherwise, against such common carrier, and if a corporation, against one or more of the directors, officers, or agents of the same, or against any owner, lessee, trustee, receiver, or other person failing to obey such writ of injunction or other proper process, mandatory or otherwise; and said court may, if it shall think fit, make an order directing such common carrier or other person so disobeying such writ of injunction or other proper process, mandatory or otherwise, to pay such sum of money not exceeding for each carrier or person in default the sum of five hundred dollars for every day after a day to be named in the order that such carrier or other person shall fail to obey such injunction or other proper process, mandatory or otherwise, and such moneys shall be payable as the court shall direct, either to the party complaining, or into court to abide the ultimate decision of the court, or into the Treasury; and payment thereof may, without prejudice to any other mode of recovering the same, be enforced by attachment or order in the nature of a writ of execution, in like manner as if the same had been recovered by a final decree in *personam* in such court. When the subject in dispute shall be of the value of two thousand dollars or more, either party to such proceeding before said court may appeal to the Supreme Court of the United States, under the same regulations now provided by law in respect of appeals for such appeal; but such appeal shall not operate to stay or supersede the order of the court or the execution of any writ or process thereon; and such court may, in every such matter, order the payment of such costs and counsel fees as shall be deemed reasonable. Whenever any such petition shall be filed or presented by the Commission it shall be the duty of the District Attorney, under the direction of the Attorney-General of the United States, to prosecute the same; and the costs and expenses of such prosecution shall be paid out of the appropriation for the expenses of the courts of the United States. For the purposes of this act, excepting its penal provisions, the circuit courts of the United States shall be deemed to be always in session.

Sec. 17. That the Commission may conduct its proceedings in such manner as will best conduce to the proper dispatch of business and to the ends of justice. A majority of the Commission shall constitute a quorum for the transaction of business, but no Commissioner shall participate in any hearing or proceeding in which he has any pecuniary interest. Said Commission may, from time to time, make or amend such general rules or orders as may be requisite for the order and regulation of proceedings before it, including forms of notices and the service thereof, which shall conform, as nearly as may be to those in use in the courts of the United States. Any party may appear before said Commission and be heard, in person or by attorney. Every vote and official act of the Commission shall be entered of record, and its proceedings shall be public upon the request of either party interested.

Said Commission shall have an official seal, which shall be judicially noticed. Either of the members of the Commission may administer oaths and affirmations.

Sec. 18. That each Commissioner shall receive an annual salary of seven thousand five hundred dollars, payable in the same manner as the salaries of judges of the courts of the United States. The Commission shall appoint a Secretary, who shall receive an annual salary of three thousand five hundred dollars, payable in like manner. The Commission shall have authority to employ and fix the compensation of such other employes as it may find necessary to the proper performance of its duties, subject to the approval of the Secretary of the Interior.

The Commission shall be furnished by the Secretary of the Interior with suitable offices and all necessary office supplies. Witnesses summoned before the Commission shall be paid the same fees and mileage that are paid witnesses in the courts of the United States. All of the expenses of the Commission, including all necessary expenses for transportation incurred by the Commissioners, or by their employes under their orders, in making any investigation in any place other than in the city of Washington, shall be allowed and paid, on the presentation of itemized vouchers therefor approved by the Chairman of the Commission and the Secretary of the Interior.

Sec. 19. That the principal office of the Commission shall be in the city of Washington, where its general sessions shall be held; but, whenever the convenience of the public or of the parties may be promoted or delay or expense prevented thereby, the Commission may hold special sessions in any part of the United States. It may, by one or more of the Commissioners, prosecute any inquiry necessary to its duties, in any part of the United States, into any matter or question of fact pertaining to the business of any common carrier subject to the provisions of this act.

Sec. 20. That the Commission is hereby authorized to require annual reports from all common carriers subject to the provisions of this act, to fix the time and prescribe the manner in which such reports shall be made, and to require from such carriers specific answers to all questions upon which the Commission may need information. Such annual reports shall show in detail the amount of capital stock issued, the amounts paid therefor, and the manner of payment for the same; the dividends paid, the surplus fund, if any, and the number of stockholders; the funded and floating debts, and the interest paid thereon; the cost and value of the carrier's property, franchises, and equipment; the number of employes and the salaries paid each class; the amounts expended for improvements each year, how expended, and the character of such improvements; the earnings and receipts from each branch of business and from all sources; the operating and other expenses; the balance of profit and loss; and a complete exhibit of the financial operations of the carrier each year, including an annual balance-sheet. Such reports shall also contain such information in relation to rates or regulations concerning fares or freights, or agreements, arrangements, or contracts with other common carriers, as the Commission may require; and the said Commission may, within its discretion, for the pur-

pose of enabling it the better to carry out the purposes of this act, prescribe (if in the opinion of the Commission it is practicable to prescribe such uniformity and methods of keeping accounts) a period of time within which all common carriers subject to the provisions of this act shall have, as near as may be, a uniform system of accounts, and the manner in which such accounts shall be kept.

Sec. 21. That the Commission shall, on or before the first day of December in each year, make a report to the Secretary of the Interior, which shall be by him transmitted to Congress, and copies of which shall be distributed as are the other reports issued from the Interior Department. This report shall contain such information and data collected by the Commission as may be considered of value in the determination of questions connected with the regulation of commerce together with such recommendations as to additional legislation relating thereto as the Commission may deem necessary.

Sec. 22. That nothing in this act shall apply to the carriage, storage, or handling of property free or at reduced rates for the United States, State, or municipal governments, or for charitable purposes, or to or from fairs and exhibitions for exhibition thereat, or the issuance of mileage, excursion, or commutation passenger tickets; nothing in this act shall be construed to prohibit any common carrier from giving reduced rates to ministers of religion; nothing in this act shall be construed to prevent railroads from giving free carriage to their own officers and employes, or to prevent the principal officers of any railroad company or companies from exchanging passes or tickets with other railroad companies for their officers and employes; and nothing in this act contained shall in any way abridge or alter the remedies now existing at common law or by statute, but the provisions of this act are in addition to such remedies: *Provided,* That no pending litigation shall in any way be affected by this act.

Sec. 23. That the sum of one hundred thousand dollars is hereby appropriated for the use and purposes of this act for the fiscal year ending June thirtieth, Anno Domini eighteen hundred and eighty-eight, and the intervening time anterior thereto.

Sec. 24. That the provisions of sections eleven and eighteen of this act, relating to the appointment and organization of the Commission herein provided for, shall take effect immediately, and the remaining provisions of this act shall take effect sixty days after its passage.

Approved, February 4, 1887.

March 22d the President appointed the following Commissioners under this Act:—

THOMAS M. COOLEY, of Michigan. Term six years.

WILLIAM R. MORRISON, of Illinois. Term five years.

AUGUSTUS SCHOONMAKER, of New York. Term four years.

ALBACE F. WALKER, of Vermont. Term three years.

WALTER A. BRAGG, of Alabama. Term two years.

An Ingenious Clock.

Another great clock has been added to the horological wonders of the world—a piece of mechanism that will vie with the elaborate marvel of Strasburg Cathedral, and put the professional curiosity of Berne Tower in the shade. The latest effort of the renowned Christian Martin of Villigen, in the Black Forest, is said, in its way, to surpass anything of the kind yet attempted. It is three and a half meters high, two and three-quarters broad, and shows the seconds, minutes, quarter hours, hours, days, weeks, months, the four seasons, the years and leap years until the last round of the year 99,999 of the Christian era.

Moreover, it tells on its face the correct time for various latitudes, together with the phases of the moon and a variety of useful information generally confined to the pages of an almanac.

It also contains a vast number of working figures representing the life of man, the creed of Christendom, and the ancient pagan and heathen mythologies. Sixty separate and individualized statuettes strike the sixty minutes. Death is represented as in Holbein's famous "Dance," in the form of a skeleton. In another part appear the twelve apostles, the seven ages of man, modeled after the description of Shakespeare, the four seasons, the twelve signs of the zodiac, and so on.

During the nighttime a watchman sallies forth, and blows the hours on his horn; while at sunrise chattering appears and crows lustily. The cuckoo also calls, but only once a year—on the first day in spring. Besides the figures there is a whole series of figures in enamel, exhibiting in succession the seven days of creation, and the fourteen Stations of the Cross. At a certain hour a little sacristan rings a bell in the spire, and kneels down and folds his hands, as in prayer; and, above all, the musical works are said to have a sweet and delicious tone.

Gray Hair.

That gray hair is not caused by old age is proved by the fact that many persons begin to show gray hairs while they are yet in their twenties, and some while in their teens. This does not by any means argue a repugnance to the constitution. It is a purely local phenomenon, and may co-exist with unusual bodily vigor. The celebrated author and traveler, George Borrow, turned quite gray before he was thirty, but was an extraordinary swimmer and athlete at sixty-five. The spot where grayness appears differs with the individual. The philosopher, Schopenhauer, began to turn gray in the temples and completely framed a theory that this is an indication of vigorous mental activity. Race has a marked influence. The traveler, Dr. Orbigno, says that in the many years he spent in South America he never saw a bald Indian and scarcely ever saw a gray-haired one. They turn more slowly than the whites.

It is the nature of man to bate those whom he has injured.