Easton's Big Tower Clock to be the Largest Time Keeper on the Eastern Shore of Maryland.

The Bell is being Cast by the Noted Meneely Bell Foundry, and will be Easily Heard Three Miles from Town. A Splendid Monumeut to the Enterprise of Easton's Good Citizens.

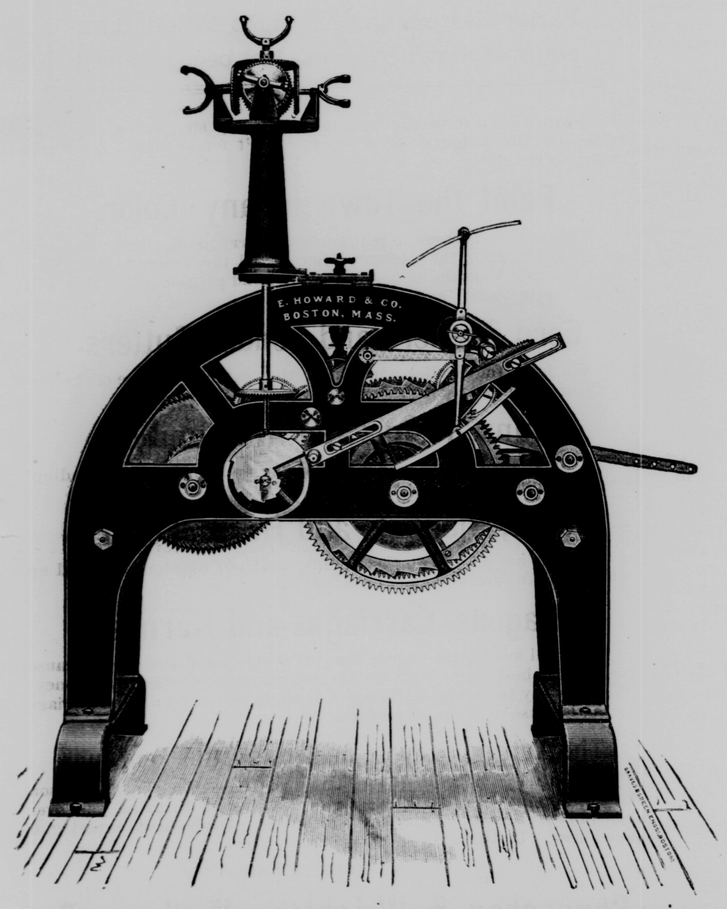


Illustration Showing the General Mechanism of the Clock.

The above cut shows the general mechanism of the clock, although complicated in appearance is very simple and never gets out of order. The long cut shown in centre of the page gives an idea of the manner in which the clock works and bell will be placed in the tower. The heavy weights shown will not hang down as in the picture but will be carried by pulleys to the back wall of the Court House.

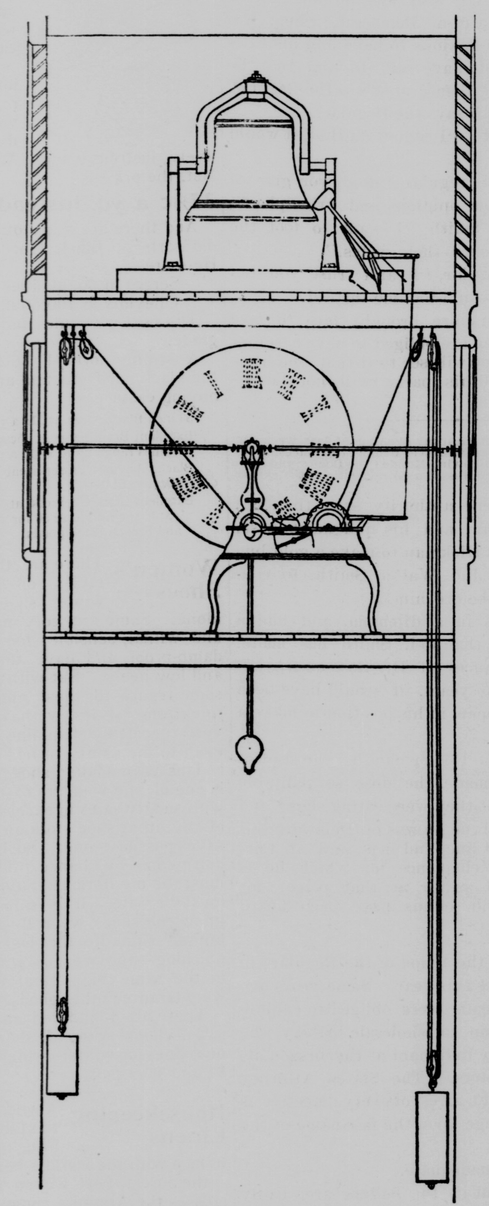
The weight runs will be provided with guides, said guides being so located in relation to the weight, that when the weight hangs in its natural position it will stand away from the guides not less than one-half inch. These points relating to the runs for weights will be made a matter of special attention· In constructing runs for the striking-part weights, particular pains will be taken to so locate them that the runs may extend to the ground or foundation of the building, which can be accomplished in nearly every case, as it is not particularly prejudicial to the good performance of the clock if its striking weight should be located at a distance from the clock of even one hundred feet, unless it should be particularly inconvenient to reach it with the cord from the clock as stated above the weights will be run to the rear end of the Court House. The customary method of constructing the weight guides is shown in accompanynig cut.

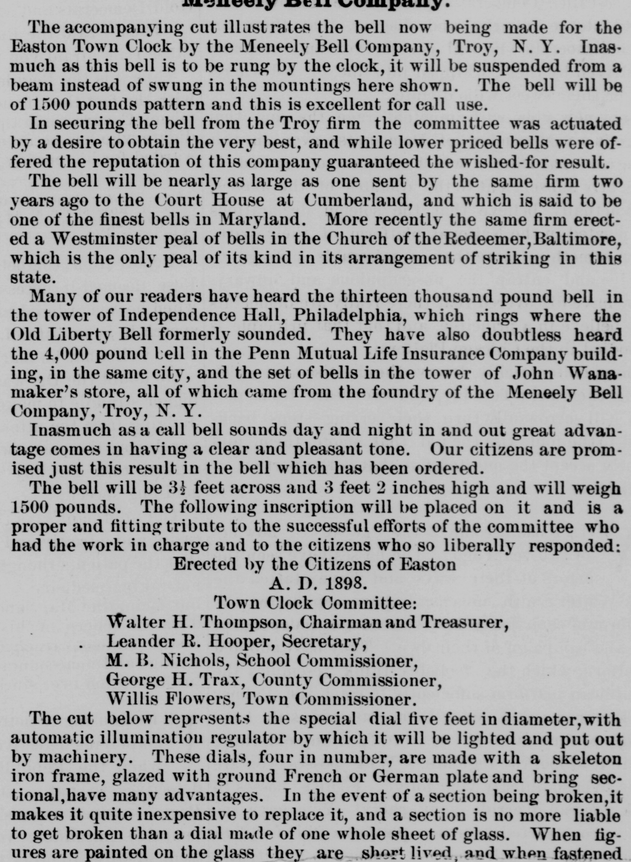
The wheelshown below,when filled with oil,does not require re-oiling for four or five years and is a decided improvement in procuring a uniformity of the vibrations of the pendulum; whereas in the case of the ordinary form of escape wheel, the oil dries up or becomes gummy unless frequently oiled, thereby causing a great increase in the fiction, a change in the rating of the clock and the pallets are subject to injury by cutting.

The use of this Patent Escape Wheel removes all liability of injury to the escapement caused by the oil becoming dry, as the oil will remain on the escapement as long as on any other part of the clock.

The clock in the tower of the Boston and Maine Railroad station at Lowell, Mass., is provided with one of these wheels, and after its application the clock performed six years, during which time the escapement was not re-oiled.

Around the center of the web of the wheel, at the roots of the teeth, a channel is made which serves as a reservoir for the oil. Extending from this reservoir through the center of the teeth to their tips, is a tapering slit through which the oil is conducted to the points of the teeth, the pallets taking the oil from these slits only when they become less coated with oil than the teeth. The supply of oil ceases only when the eil has evaporated or been absorbed by the surrounding parts of the teeth, or when gummed by the collection of dust from the air.





1500 pound Bell for the Clock Now Being Cast by the Meneely Bell Company.

The accompanying cut illustrates the bell now being made for the Easton Town Clock by the Meneely Bell Company, Troy, N. Y. Inasmuch as this bell is to be rung by the clock, it will be suspended from a beam instead of swung in the mountings here shown. The bell will be of 1500 pounds pattern and this is excellent for call use.

In securing the bell from the Troy firm the committee was actuated by a desire to obtain the very best, and while lower priced bells were offered the reputation of this company guaranteed the wished-for result.

The bell will be nearly as large as one sent by the same firm two years ago to the Court House at Cumberland, and which is said to be one of the finest bells in Maryland. More recently the same firm erected a Westminster peal of bells in the Church of the Redeemer, Baltimore, which is the only peal of its kind in its arrangement of striking in this state.

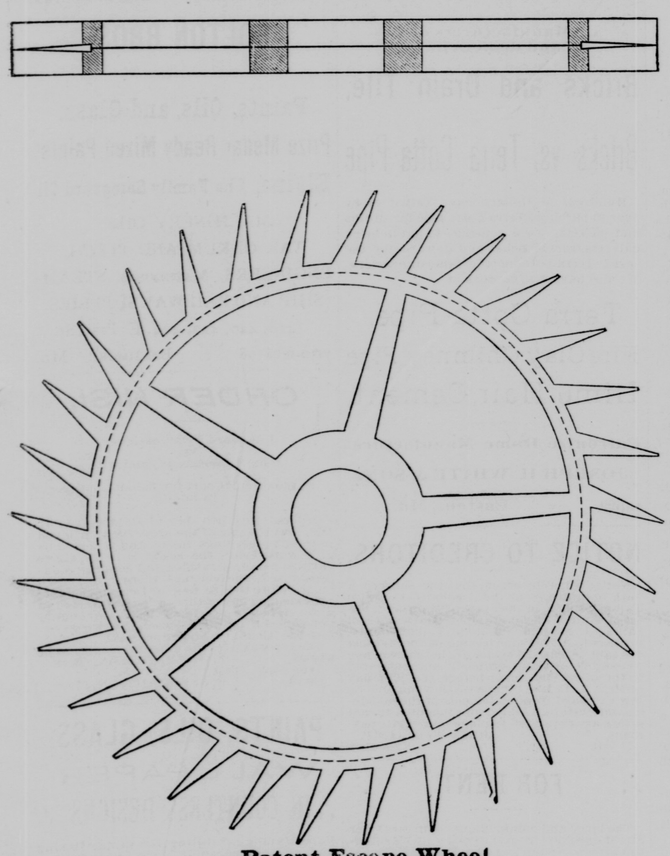
Many of our readers have heard the thirteen thousand pound bell in the tower of Independence Hall, Philadelphia, which rings where the Old Liberty Bell formerly sounded. They have also doubtless heard the 4,000 pound bell in the Penn Mutual Life Insurance Company building, in the same city, and the set of bells in the tower of John Wanamaker's store, all of which came from the foundry of the Meneely Bell Company, Troy, N. Y.

Inasmuch as a call bell sounds day and night in and out great advantage comes in having a clear and pleasant tone. Our citizens are promised just this result in the bell which has been ordered.

The bell will be 3½ feet across and 3 feet 2 inches high and will weigh 1500 pounds. The following inscription will be placed on it and is a proper and fitting tribute to the successful efforts of the committee who had the work in charge and to the citizens who so liberally responded:

Erected by the Citizens of Easton
A. D. 1898.
Town Clock Committee:
Walter H. Thompson, Chairman and Treasurer,
Leander R. Hooper, Secretary,
M. B. Nichols, School Commissioner,
George H. Trax, County Commissioner,
Willis Flowers, Town Commissioner.

The cut below represents the special dial five feet in diameter, with automatic illumination regulator by which it will be lighted and put out by machinery. These dials, four in number, are made with a skeleton iron frame, glazed with ground French or German plate and bring sectional, have many advantages. In the event of a section being broken, it makes it quite inexpensive to replace it, and a section is no more liable to get broken than a dial made of one whole sheet of glass. When figures are painted on the glass they are short lived, and when fastened on by cement are apt to come off and fly drilling holes through the dial, the glass is materially weakened. When the figures and hands on a sectional illuminated dial are to be painted, or the hands are to be removed, it can easily and inexpensively be done by removing one or more of the outer sections of glass.



Patent Escape Wheel.

In view of the great interest felt by the public in the magnificent Town Clock soon to be erected in the Court House tower, the GAZETTE publishes in this issue a full description and illustration of the same. The GAZETTE'S pride and interest in this work of great improvement and convenience to our people has met with a hearty response among our citizens and the kind and hearty words of approval it has received for its public spirited efforts as an ample and cherry reward. One loves to work in and for such a cause and such a people and today's effort, it is hoped will show our readers what a fine piece of mechanism will soon be theirs. Th s clock and bell, it is said, will be one of the finest in the State and the Board of County Commissioners are so gratified at the results and of the wise selection made by the committee that they will by an order duly passed have enrolled and placed on the county records a memorial of the work containing the names of all aiding therein and of every contributor to the fund. Let every name be enrolled, if even for only a small amount, on this memento and let it be handed down to futnre generations..

Seats will be placed on sale in a few days for the benefit entertainment to be given Thanksgiving evening by Bowman's Orchestra.

The Committee arranging for the entertainment are Mr. James A. Spence and Mr. Leander R. Hooper.

