

## SENATE....No. 30.

---

### Commonwealth of Massachusetts.

---

*To the Honorable Legislature of the Commonwealth of Massachusetts:—*

The Agent of the Charles River and Warren Bridges hereby makes the Annual Report of his doings as agent, to which is added an account of receipts and expenditures the past year:

For two months the past year, June and July, the Warren Bridge was closed to the carriage travel, in order to make the alteration contemplated by an "Act to authorize the Fitchburg Railroad Company to extend their Road to the city of Boston." That work was completed, and the bridge opened for travel on the third day of August last. The new bridge, required by said act, is fifty feet in width; is built on oak piles, in a very substantial manner, terminating on a new avenue, (east of the railroad,) which is one hundred feet wide on Causeway Street.

The mode of covering this new bridge, and also the part of the Warren Bridge south of the draw, (except where the railroad crosses,) is different from any bridge in this vicinity, and is described as follows:—The stringers, about six feet apart, rest on the heads of the piles; on these, the covering timber, ten inches in thickness, is laid close over the whole surface of the bridge; on this, one foot in thickness of mud from the flats; then, under the carriage-way, is six inches of gravel, in which is laid a pavement of granite blocks, nine inches thick, with

## 2 CHARLES RIVER & WARREN BRIDGES. [Feb. '49.]

granite edgestone on each side; the side-walks are raised six inches above the carriage-way, and are paved with brick.

The foregoing alterations (with the exception of one hundred and twenty-five feet next the draw) has been done by said railroad company, and is to be forever maintained and kept in repair by said company.

The past year, thirty-three hundred and seventeen vessels have passed up through the Charles River Bridge draw; of this number, twenty-six hundred and twenty have passed the draw of the Warren Bridge.

The receipts and expenditures for both bridges, for the year ending 31st December, 1848, as follows:—

### RECEIPTS.

From the State treasurer, . . . . .	\$4,800 00
“ sale of old materials and rent, toll-houses, &c.,	496 94
	<hr/>
Total, . . . . .	\$5,296 94
	<hr/> <hr/>

### EXPENDITURES.

For balance due agent per last report, . . . . .	\$1 27
“ hoisting draws and lighting lamps, . . . . .	868 00
“ oil and wicking for lamps, . . . . .	171 84
“ labor and materials, repairs Charles River Bridge, 1,425 43	
“ labor and materials for repairs and alteration in the Warren Bridge, . . . . .	2,525 66
“ agent's salary, . . . . .	300 00
“ balance due from agent, . . . . .	4 74
	<hr/>
Total, . . . . .	\$5,296 94
	<hr/> <hr/>

All which is respectfully submitted.

EBEN'R BARKER, *Agent.*

*Charlestown, February 9th, 1849.*