2522

Department of Commerce and Labor
LIGHT-HOUSE ESTABLISHMENT

WPD

SUBJECT:
Manhattan Range, O.
Illuminating Apparatus.

OFFICE OF ENGINEER, 10TH DISTRICT
BUFFALO, N. Y.

August 31, 1905.

The Light-House Board,

Washington, D. C.

Sirs:

It is reported that the rear range light at the Manhattan Range Light-Station, Ohio, is particularly dim; that it is hardly discernible from the inner end of the straight channel while the front light is brilliant. The statement is also made that the light from its first establishment had always shown very dimly even when the air was clear.

The cause of the dimness of the light does not appear to be due to any fault on the part of the light-keeper or improper installation of the illuminating apparatus.

The light is red, exhibited with a lens of the 6th order, and it is believed that with a lens of greater power the trouble reported would probably be remedied.

I have the honor therefore to request authority to install a fifth order lens in place of the sixth order lens now in use. Such a lens is now on hand in the lamp shop in this district and available for the purpose but would require a new reflecting door, new lamps and a lamp stand to be made.

The total estimated cost to make the change is $75.00; the expenditure to be made from the allotment heretofore made from the appropriation Repairs and Incidental Expenses of Light-Houses, 1906.

Respectfully,

Colonel Corps of Engineers, U.S.A.,
Engineer Tenth Light-House District.