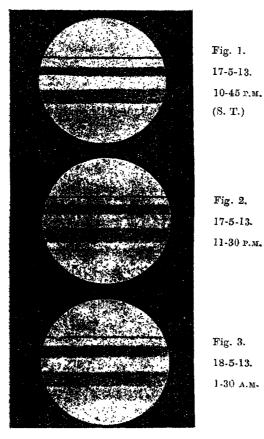
JULY 1913.] OBSERVATIONS WITH A 5" COOKE REFRACTOR. 233

The block was received too late for inclusion in that JOURNAL.



5" Refractor. Power = 200.

## Observations with a 5" Cooke Refractor.

BY.

REVD. J. MITCHELL, M.A., F.R.A.S.

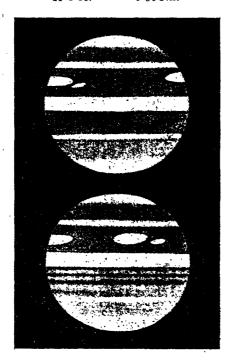
I am sending you two sketches of Jupiter as seen at an interval of two full days. The definition on the 21st was very sharp and I noticed then distinctly that the lower main belt

was reddish in appearance. The elliptical shaped figures are now a special feature of the upper belt. Now that Jupiter rises at a convenient hour and has such a high altitude I think we ought to concentrate our efforts on the planet for the next two or three months.

Another matter I am interested in is this. In the English Mechanic for May 16, 1913, there is a valuable and interesting article, excellently illustrated on the Messier Craters. I wish to call the attention of the members of the Lunar Section to the article in question. I am at work on the craters myself and hope later to give the members the result of my work. To-night (21st June) I found A undoubtedly the larger of the two, though on the 19th June, they appeared to be equal. They are a most interesting pair and we should not neglect them.

## JUPITER.

19-6-13. 9-30 г.м.



21-6-13.

9-30 г.м.

5" Refractor.

Power == 250.