

**THE MONSTER TELESCOPES, ERECTED BY
THE EARL OF ROSSE, PARSONSTOWN, WITH
AN ACCOUNT OF THE MANUFACTURE OF
THE SPECULA, AND FULL DESCRIPTIONS OF
ALL THE MACHINERY CONNECTED WITH
THESE INSTRUMENTS**

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The monster telescopes, erected by the Earl of Rosse, Parsonstown, with an account of the manufacture of the specula, and full descriptions of all The Machinery connected with these instruments by Thomas Woods

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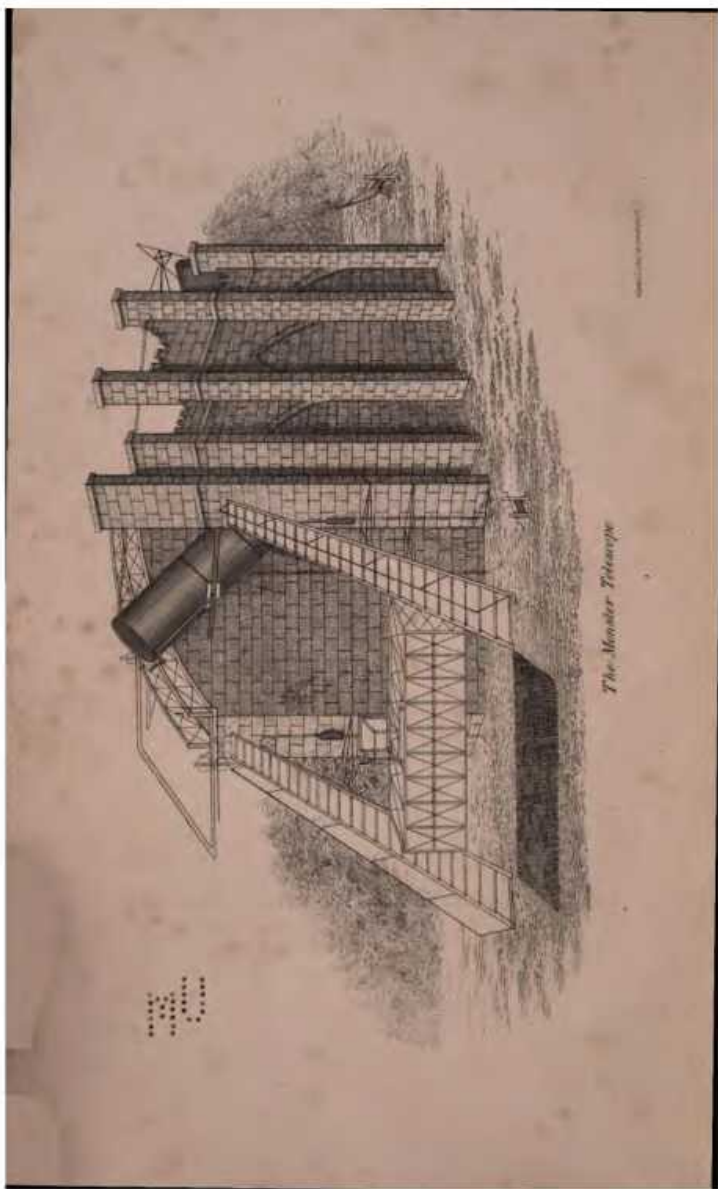
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THOMAS WOODS

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The Monitor Telescope

1847

Yendo, 1844
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THE MACHINERY
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PREFACE.

To satisfy a curiosity that is naturally excited by any thing new, great or uncommon, I tried to obtain all the information I could, connected with the Telescopes I endeavour to describe. To gratify a similar feeling in others, more remote from my opportunities of looking on, I venture to publish an account of what I have seen.

As I am hardly enough to do so without any assistance from, or even the cognizance of the noble projector of those instruments, whose liberality in diffusing his knowledge and wish for its promotion, leave me no uneasiness on this point, so I do not expect to give that information which men of deep research or mathematically close enquiry would desire. There are some particulars which might, perhaps, be more enlarged upon with advantage, but it has been my aim to place before the general reader such an account as will make the manufacture of the Specula, and the mechanism of the Telescopes, as plainly understood as could be expected, without entering with too much tediousness into minute details. I have been as explicit as possible in the history of the compound three foot Speculum, knowing that individuals whose in-

clination would lead them to construct Specula on a large scale, without possessing the pecuniary advantages of Lord Rosse, will be naturally led to adopt a course the most manageable and economical, and one which does not appear to be the less certain of success. I have added illustrations of every part which is at all complicated, and where I thought they could be likely to assist the text, and trust that the endeavour I have made to enable my subject to be understood, will satisfy the desire of the public to understand it.

THE AUTHOR.

Parsonstown, September 23, 1844.

PREFACE TO SECOND EDITION.

The rapid sale of the First Edition, together with the many very favorable opinions expressed in reference to it by the Newspaper Press, leads the Author to hope that this work has been presented in an acceptable form. In the present edition he has therefore merely supplied a few trifling omissions which an unavoidable hurry in bringing out the former, occasioned.

Parsonstown, November, 1844.

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PART I.

The Manufacture of the Three Foot Speculum, and the Machinery of the Small Telescope.

PART II.

The Manufacture of the Six Foot Speculum, and the Machinery of the "Monster" Telescope.

