# SCIENCE READERS. BOOK II

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Science Readers. Book II by Vincent T. Murché

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# VINCENT T. MURCHÉ

# SCIENCE READERS. BOOK II



# SCIENCE READERS

#### BY

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AUTHOR OF 'THE TEACHERS' MANUALS OF OBJECT LESSONS IN ELEMENTARY SOURCE,' 'UNINCT LESSONS IN GROCKELPRY,' 'OBJECT LESSONS IN GROCKELPRY,' 'OBJECT LESSONS FOR INFANTS,' 'OBJECT LESSONS IN KALEKETARY ROLLENS AND GROCKEAPHY,' OBJECT LESSONS IN MATURE ENOWIEDDE,' 'GEOGRAPHY REALDERS,' 'DOMESTIO HOLDENOS BEAUNNS,' 'MEALDERN IN KLEMENTARY SCIENCE AND GEOGRAPHY,' 'NATURE MONOWLENGS REALDERS,' 'ENGURE MONOWLENGS REALDERS,' ETC.

# BOOK II

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### PREFACE

GIFT OF GINN & COMPANY

In this, the second volume of the series, our three children, in their evening home amusements, are still following their teacher's lessons, by easy, simple, and natural stages.

The great aim has been to cultivate, from the first, habits of observation and correct reasoning. To this end every lesson is built upon some previous teaching, and the gradual development

of the scheme proceeds on a sure foundation.

The author relies upon this, together with the constant recapitulation of acquired truths, and the natural bond of sympathy between child and child, to make these readings attractive, and secure the solid advancement of his young readers, without any appreciable effort on their part.

The short summaries of the lessons at the end of the book will be found invaluable aids, as they contain, in a nutshell, all

the salient points of the teaching.

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### Lesson I

## Porous Bodies

Fred and Willie came home very proud from school one afternoon. 'What do you think, Norah?' said Fred. 'We have both been put up into the next class. Teacher picked out a few of the best boys to go up. I am so glad Will was put up with me.'

'And only think, Norah,' said Willie.
'We shall still have our jolly object lessons. We had a lesson this afternoon about porous bodies. Shall we tell you all about it, Norah?'

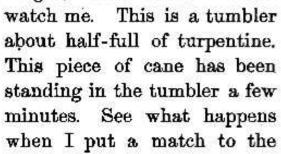
'Oh, do, please,' said Norah.

'Well then,' said Fred, 'you must

first tell us all the porous bodies you can remember.'

'Oh yes,' said Norah. 'Sponge, bread, sugar, chalk, dry clay, charcoal, and coke are all porous. They all suck up liquids into their pores.'

'Quite right,' said Fred. 'Now



top of the cane.'

'Why, it bursts into a flame at once,' said his sister. 'How is that?'

'I'll show you,' said Fred, 'just as teacher showed us. Look at the holes in the bottom of the cane.'

'Then I suppose,' said Norah, 'the pores of the cane absorb the turpentine, and take it up to the top.'

'That's just it,' said both the boys.
'The cane is porous.'

'Now look here. Do you know what this is?' said Fred.

'It is a piece of the wick of the lamp,' said Norah.

'See,' said Fred, 'I will dip it into this water. Now when I take it out and squeeze it, some water runs out of it. What does that prove, Norah?'

'It proves,' said she, 'that the wick is porous, and that it absorbs liquids.'

'Quite right,' said Fred.

'Now think of the wick in the lamp itself. The lower part of the wick is in the oil, but it is the upper part that gives the light.'

'Oh, I think I see,' said Norah; 'the wick must be something like the cane. I suppose it absorbs the oil, and carries it up to the top, where it burns.'

'That is right, Norah,' said Willie; 'and a candle burns in the same way. The heat melts the tallow into a liquid. The wick absorbs the liquid tallow, and carries it up to the top, where it burns.'

## Lesson II

# SPONGE-AND ITS USES

'Oh, boys,' cried Norah, as she rushed into the room, 'do come with me at once. Our dear old Ponto has cut his foot in the garden. The poor old fellow is in such pain, and it is bleeding very badly.'

'All right, Norah,' said Fred. 'You run and get a sponge and some warm water, Will.'

In a very short time they were all round their dear old playfellow. Fred bathed the foot with the warm water, while the others stroked him, and tried to make him forget the pain. The foot was, as Norah had said, very badly cut.

The children bound it up with some clean linen rag, and then took him into the kitchen. There they made him lie down in a warm corner of the room, while they sat and watched him.

'What a good quiet old fellow he was



all the time we were washing his foot,' said Norah.

'Yes,' said Fred, 'but I took care not to hurt him. Nothing would have done it so well as a sponge.'

'Suppose we have a talk about the