

LIBRARY  
OF THE  
UNIVERSITY  
OF ILLINOIS

845V59

OdEm

**NOTICE:** Return or renew all Library Materials! The *Minimum Fee* for each Lost Book is \$50.00.

The person charging this material is responsible for its return to the library from which it was withdrawn on or before the **Latest Date** stamped below.

Theft, mutilation, and underlining of books are reasons for disciplinary action and may result in dismissal from the University.  
To renew call Telephone Center, 333-8400

UNIVERSITY OF ILLINOIS LIBRARY AT URBANA-CHAMPAIGN

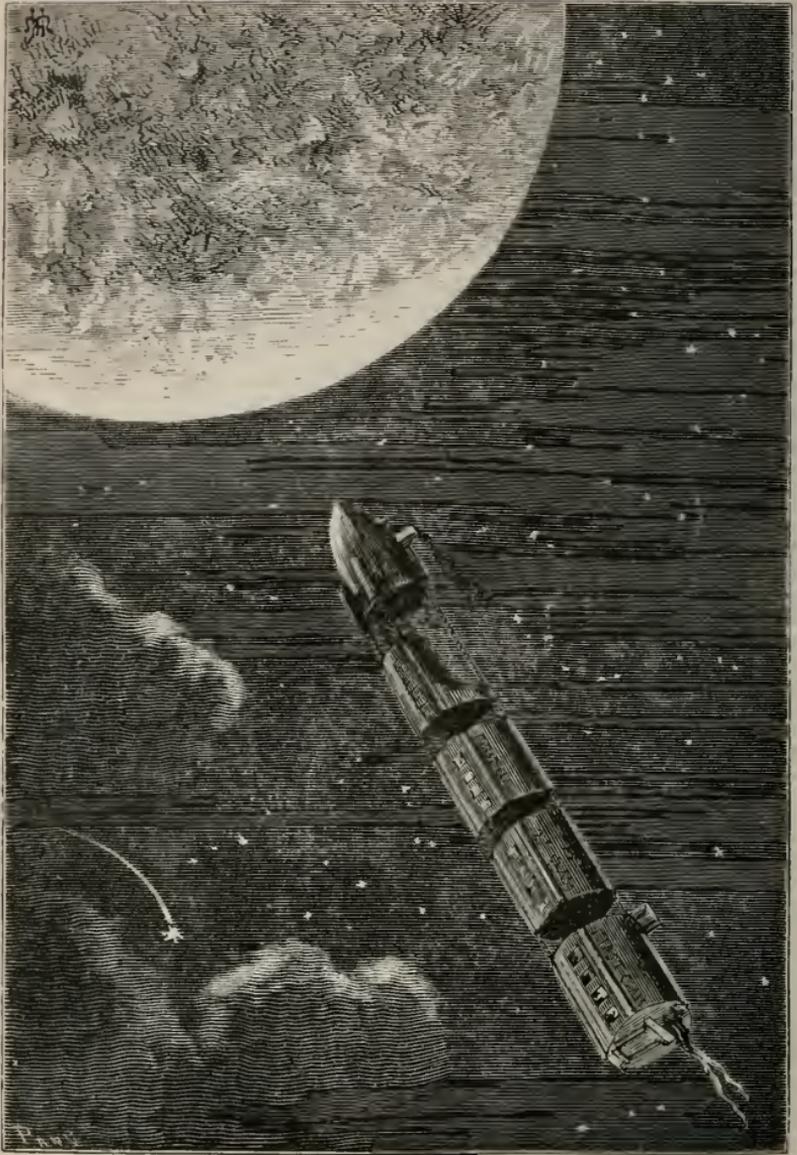
	AUG 12 1998	
NOV 29 1990	APR 02 1999	
MAR 06 1991	FEB 23 2004	
APR 14 1992	FEB 27 2005	
APR 30 1992		
APR 15 1992		
MAY 19 1992		
JUL 27 1992		
MAR 30 1993		
MAY 12 1993		
AUG 16 1998		











PROJECTILE TRAINS FOR THE MOON.

FROM THE  
EARTH TO THE MOON,  
DIRECT IN NINETY-SEVEN HOURS  
AND TWENTY MINUTES:  
AND A TRIP ROUND IT.

BY  
JULES VERNE,  
AUTHOR OF "A JOURNEY TO THE CENTRE OF THE EARTH."

TRANSLATED FROM THE FRENCH  
BY  
LOUIS MERCIER, M.A., (OXON.) AND ELEANOR E. KING.

---

WITH EIGHTY FULL PAGE ILLUSTRATIONS.

---

NEW YORK:  
SCRIBNER, ARMSTRONG & COMPANY.  
1874.

*BY THE SAME AUTHOR.*

---

A Journey to the Centre of the Earth.

WITH 53 ILLUSTRATIONS. ONE VOL. 12MO, \$2.00.

045159  
OdEm

72-2-7

# CONTENTS.



## FROM THE EARTH TO THE MOON.



	PAGE
CHAPTER I.	
THE GUN CLUB . . . . .	1
CHAPTER II.	
PRESIDENT BARBICANE'S COMMUNICATION . . . . .	8
CHAPTER III.	
EFFECT OF THE PRESIDENT'S COMMUNICATION . . . . .	15
CHAPTER IV.	
REPLY FROM THE OBSERVATORY OF CAMBRIDGE . . . . .	19
CHAPTER V.	
THE ROMANCE OF THE MOON . . . . .	23
CHAPTER VI.	
THE PERMISSIVE LIMITS OF IGNORANCE AND BELIEF IN THE UNITED STATES . . . . .	28
CHAPTER VII.	
THE HYMN OF THE CANNON-BALL . . . . .	33
CHAPTER VIII.	
HISTORY OF THE CANNON . . . . .	40
CHAPTER IX.	
THE QUESTION OF THE POWDERS . . . . .	44
CHAPTER X.	
ONE ENEMY v. TWENTY-FIVE MILLIONS OF FRIENDS . . . . .	49

	PAGE
	CHAPTER XI.
FLORIDA AND TEXAS . . . . .	54
	CHAPTER XII.
URBI ET ORBI . . . . .	59
	CHAPTER XIII.
STONES HILL . . . . .	65
	CHAPTER XIV.
PICKAXE AND TROWEL . . . . .	70
	CHAPTER XV.
THE FÊTE OF THE CASTING . . . . .	75
	CHAPTER XVI.
THE COLUMBIAD . . . . .	80
	CHAPTER XVII.
A TELEGRAPHIC DESPATCH . . . . .	85
	CHAPTER XVIII.
THE PASSENGER OF THE "ATLANTA" . . . . .	86
	CHAPTER XIX.
A MONSTER MEETING . . . . .	92
	CHAPTER XX.
ATTACK AND RIPOSTE . . . . .	99
	CHAPTER XXI.
HOW A FRENCHMAN MANAGES AN AFFAIR . . . . .	103
	CHAPTER XXII.
THE NEW CITIZEN OF THE UNITED STATES . . . . .	117
	CHAPTER XXIII.
THE PROJECTILE VEHICLE . . . . .	122
	CHAPTER XXIV.
THE TELESCOPE OF THE ROCKY MOUNTAINS . . . . .	125
	CHAPTER XXV.
FINAL DETAILS . . . . .	128

	CHAPTER XXVI.	PAGE
FIRE! . . . . .		133
	CHAPTER XXVII.	
FOUL WEATHER . . . . .		138
	CHAPTER XXVIII.	
A NEW STAR . . . . .		141

---

## ROUND THE MOON.

---

### PRELIMINARY CHAPTER.

RECAPITULATORY . . . . .	145
--------------------------	-----

### CHAPTER I.

FROM TWENTY MINUTES PAST TEN TO FORTY-SEVEN MINUTES PAST TEN P.M. . . . .	151
--	-----

### CHAPTER II.

THE FIRST HALF-HOUR . . . . .	157
-------------------------------	-----

### CHAPTER III.

THEIR PLACE OF SHELTER . . . . .	169
----------------------------------	-----

### CHAPTER IV.

A LITTLE ALGEBRA . . . . .	178
----------------------------	-----

### CHAPTER V.

THE COLD OF SPACE. . . . .	185
----------------------------	-----

### CHAPTER VI.

QUESTION AND ANSWER . . . . .	194
-------------------------------	-----

### CHAPTER VII.

A MOMENT OF INTOXICATION . . . . .	202
------------------------------------	-----

### CHAPTER VIII.

AT SEVENTY-EIGHT THOUSAND FIVE HUNDRED AND FOURTEEN LEAGUES . . . . .	212
---	-----

### CHAPTER IX.

THE CONSEQUENCES OF A DEVIATION. . . . .	221
--	-----

	PAGE
CHAPTER X.	
THE OBSERVERS OF THE MOON . . . . .	228
CHAPTER XI.	
FANCY AND REALITY . . . . .	232
CHAPTER XII.	
OROGRAPHIC DETAILS . . . . .	236
CHAPTER XIII.	
LUNAR LANDSCAPES . . . . .	243
CHAPTER XIV.	
THE NIGHT OF THREE HUNDRED AND FIFTY-FOUR HOURS AND A HALF	251
CHAPTER XV.	
HYPERBOLA OR PARABOLA . . . . .	260
CHAPTER XVI.	
THE SOUTHERN HEMISPHERE . . . . .	270
CHAPTER XVII.	
TYCHO . . . . .	273
CHAPTER XVIII.	
GRAVE QUESTIONS . . . . .	281
CHAPTER XIX.	
A STRUGGLE AGAINST THE IMPOSSIBLE . . . . .	289
CHAPTER XX.	
THE SOUNDINGS OF THE "SUSQUEHANNA" . . . . .	299
CHAPTER XXI.	
J. T. MASTON RECALLED . . . . .	305
CHAPTER XXII.	
RECCVERED FROM THE SEA . . . . .	312
CHAPTER XXIII.	
THE END . . . . .	320

## LIST OF ILLUSTRATIONS.

	PAGE
The Artillery-men of the Gun Club . . . . .	4
President Barbicane . . . . .	10
Meeting of the Gun Club . . . . .	12
The Torchlight Procession . . . . .	16
Cambridge Observatory . . . . .	19
The Moon's Disc . . . . .	25
Barbicane holds forth . . . . .	33
The Rodman Columbiad . . . . .	34
Cannon at Malta in the time of the Knights . . . . .	36
Ideal Sketch of J. T. Maston's Gun . . . . .	42
The invention of Gunpowder by the Monk Schwartz . . . . .	44
Captain Nicholl . . . . .	49
Nicholl published a number of Letters in the Newspapers . . . . .	51
It became necessary to keep an eye upon the Deputies . . . . .	57
The Subscription was opened . . . . .	60
The Manufactory at Goldspring, near New York . . . . .	63
Tampa Town, previous to the undertaking . . . . .	66
They were compelled to ford several Rivers . . . . .	68
The Work progressed regularly . . . . .	73
The Casting . . . . .	77
Tampa Town, after the undertaking . . . . .	82
The Banquet in the Columbiad . . . . .	84
President Barbicane at his Window . . . . .	87
Michel Ardan . . . . .	88
The Meeting . . . . .	92
Projectile Trains for the Moon . . . . .	95
Attack and Riposte . . . . .	101
The Platform was suddenly carried away . . . . .	106
Maston burst into the Room . . . . .	108
In the midst of this Snare was a poor little Bird . . . . .	112
"Go with me, and see whether we are stopped on our journey" . . . . .	115
The Cat taken out of the Shell . . . . .	120
The Arrival of the Projectile at Stones Hill . . . . .	122
J. T. Maston had grown fat . . . . .	124
The Telescope of the Rocky Mountains . . . . .	127

	PAGE
The Interior of the Projectile . . . . .	130
An innumerable Multitude covered the Prairie round Stones Hill .	133
Fire !! . . . . .	136
Effect of the Explosion . . . . .	138
The Director at his Post . . . . .	139
The Gas caught fire . . . . .	152
Diana and Satellite . . . . .	154
The courageous Frenchman . . . . .	157
They raised Barbicane . . . . .	159
It was an enormous Disc . . . . .	163
They gave her a pie . . . . .	170
The Sun chose to be of the party . . . . .	172
Ardan plunged his hand rapidly into certain mysterious boxes .	176
"Do I understand it?" cried Ardan; "my head is splitting with it"	183
Satellite was thrown out . . . . .	193
It was the Body of Satellite . . . . .	201
"I could have ventured out on the top of the Projectile"	206
They struck up a frantic dance . . . . .	210
"The Oxygen!" he exclaimed . . . . .	212
"Ah! if Raphael had seen us thus" . . . . .	217
The Telescope at Parsonstown . . . . .	228
How many people have heard speak of the Moon!	232
"This plain would then be nothing but an immense Cemetery"	241
"What Giant Oxen!" . . . . .	245
He could distinguish nothing but Desert Beds . . . . .	247
"It is the fault of the Moon" . . . . .	252
Nothing could equal the splendour of this starry world . . . . .	256
"The vapour of our breath will fall in snow around us" . . . . .	258
A Discussion arose . . . . .	261
A Prey to frightful Terror . . . . .	267
What a sight! . . . . .	268
"The Sun!" . . . . .	271
"Light and Heat; all Life is contained in them" . . . . .	273
He distinguished all this . . . . .	275
Can you picture to yourselves? . . . . .	277
A violent Contraction of the Lunar Crust . . . . .	282
Around the Projectile were the Objects which had been thrown out	291
"These practical people have sometimes most inopportune ideas"	295
Ardan applied the lighted Match . . . . .	296
"I fancy I see them" . . . . .	301
A few feet nearer . . . . .	304
The unfortunate man had disappeared . . . . .	311
The Descent began . . . . .	315
"White all, Barbicane" . . . . .	319
The Apotheosis was worthy of the three Heroes . . . . .	322

# FROM THE EARTH TO THE MOON.

---

## CHAPTER I.

### THE GUN CLUB.

DURING the War of the Rebellion, a new and influential club was established in the city of Baltimore in the State of Maryland. It is well known with what energy the taste for military matters became developed amongst that nation of ship-owners, shopkeepers, and mechanics. Simple tradesmen jumped their counters to become extemporized captains, colonels, and generals, without having ever passed the School of Instruction at West Point: nevertheless, they quickly rivalled their compeers of the old continent, and, like them, carried off victories by dint of lavish expenditure in ammuniton, money, and men.

But the point in which the Americans singularly distanced the Europeans was in the science of *gunnery*. Not, indeed, that their weapons retained a higher degree of perfection than theirs, but that they exhibited unheard-of dimensions, and consequently attained hitherto unheard-of ranges. In point of grazing, plunging, oblique, or enfilading, or point-blank firing, the English, French, and Prussians have nothing to learn; but their cannon, howitzers, and mortars are mere pocket-pistols compared with the formidable engines of the American artillery.

## Thank You for previewing this eBook

You can read the full version of this eBook in different formats:

- HTML (Free /Available to everyone)
- PDF / TXT (Available to V.I.P. members. Free Standard members can access up to 5 PDF/TXT eBooks per month each month)
- Epub & Mobipocket (Exclusive to V.I.P. members)

To download this full book, simply select the format you desire below

