

TABLE OF CONTENTS

LIST OF ILLUSTRATIONS	iii
INTRODUCTION	vi
ACKNOWLEDGEMENTS	viii
DEDICATION	viii
CHAPTER 1 EARLY MAN	1
The Evolution of Early Man	1
The Evolution of Early Tools	6
Man the Toolmaker	4
CHAPTER 2 THE PALEOLITHIC AXE	9
The Chellean Hand-axe	9
The Chopper	10
Acheulian Axes	10
The Cleaver	14
Post Acheulian Axes	14
CHAPTER 3 THE MESOLITHIC AXE	20
The Lyngby Axe	20
The Shaft-hole Antler Axe	20
The Antler Flint Axe	22
The Chipped Flint Axe	22
The Tranchet Axe	25
The Pebble Axe	25
CHAPTER 4 THE NEOLITHIC AXE	29
The Flint Axe With Ground Edge	29
The Ground Axe	31
The Ground Grooved Axe	34
The Stone Shaft-hole Axe	38
CHAPTER 5 THE COPPER AXE	48
Bronze Age Technology	48
The Flat Axe	49
The Palstave	51
The Winged Axe	53
The Socketed Axe	53

CONTENTS

CHAPTER 6 THE BRONZE AXE	61
The Egyptian Axe	62
The Scalloped Axe	64
The Shaft-hole Axe	64
The Bronze Double Axe	67
The Aztec Axe	67
CHAPTER 7 EARLY IRON AXES	78
Iron and Steel Technology	78
Iron Axes of the Roman Period	79
Medieval Iron Axes	80
Renaissance Axes	83
CHAPTER 8 THE TRADE AXE	99
The Camp Axe	100
The Belt Axe	100
The Tomahawk	105
CHAPTER 9 THE FELLING AXE IN AMERICA	110
The Single Bit	110
The Double Bit	123
CHAPTER 10 THE BROAD AXE	127
Goosewing Axes	127
Other Broad Axes	128
CHAPTER 11 SPECIAL AXES	141
CHAPTER 12 A HISTORY OF THE AMERICAN AXE INDUSTRY	157
Collins & Co.	157
Mann Family	158
American Axe & Tool Co.	160
Kelly Axe Mfg. Co.	161
EPILOGUE	162
REFERENCES	163
BIBLIOGRAPHY	166
INDEX	171