INTRODUCTION

## CONTENTS

1

CHAPTER I.	
THE NATURE AND SELECTION OF CLAYS AND SHALES-THEIR SPECIAL SUITABILIT	Ϋ́
FOR CERTAIN PURPOSES-THE COLOUR AND CHARACTERISTICS OF VARIOUS BRICE	KS
-QUALITY OF BRICKS-SAND, BREEZE, AND OTHER MATERIALS USED	4
CHAPTER II.	
GETTING, CLEANING, AND DELIVERING CLAY-TRANSPORT-SUPPLIERS	30
CHAPTER III.	
SELECTION OF A PROCESS AND PLANT FOR MAKING BRICKS-THE SITE-THE	
MATERIAL-PLASTIC PROCESSES-THE STIFF-PLASTIC PROCESS-THE SEMI-DRY	
OR SEMI-PLASTIC PROCESS-SELECTING A PROCESS-DESIGNING A PLANT-	
SELECTING BRICK MACHINERY-METHODS OF TRANSPORT-SELECTING A	
DRYER-SELECTING A KILN-SIZE OF THE WORKS-SOURCES OF POWER-	
LIGHTING-SHAFTING-BELTING-SAFETY DEVICES	66
CHAPTER IV.	
HAND-MOULDING PROCESSES-DRYING IN HACKS-CLAMP-BURNING	87
CHAPTER V.	
PLASTIC MOULDING BY MACHINERY-BOX-MOULD MACHINES-WIRE-CUT PROCESS	S-
CRUSHING ROLLS-EDGE-RUNNER MILLS-MIXERS AND FEEDERS-PUG-MILLS,	
MOUTHPIECE-PRESSES, AND AUGER MACHINES-EXPRESSION ROLLER MACHINES	
-CUTTING TABLES-REPRESSING-DRYING-TRANSPORT-KILNS-SUPPLIERS	120
CHAPTER VI.	
THE STIFF-PLASTIC PROCESS-STIFF-PLASTIC BRICK MACHINES-DRYING-KILNS	251
CHAPTER VII.	
THE SEMI-DRY OR SEMI-PLASTIC PROCESS	292
CHAPTED VIII	
CHAPTER VIII.	212
THE DRY OR DUST PROCESS	312

## CHAPTER IX.

KILNS-KILN CONSTRUCTION-SELECTING A KILN-SETTING AND FIRING	314
CHAPTER X.	
POROUS AND LIGHT BRICKS: INCLUDING INSULATING BRICKS	417
Tokood hind Elohi Bideks. In eLobino in solemino Bideks	117
CHAPTER XI.	
VITRIFIED BRICKS: BLUE AND OTHER ENGINEERING BRICKS-PAVIORS-CLINKERS-	
ACID-PROOF BRICKS	423
CHAPTER XII.	
FACING BRICKS: INCLUDING RUSTIC BRICKS AND MULTI-COLOURED BRICKS	438
CHAPTER XIII.	
FIRE-BRICKS AND BLOCKS	448
CHAPTER XIV.	
GLAZED BRICKS-GLAZES AND BODIES-SALT-GLAZING	470
CHAPTER XV.	
FERFORATED, RADIAL AND HOLLOW BRICKS AND BLOCKS-PARTITION BLOCKS-	400
FIREPROOF FLOORING	482
CHAPTER XVI.	
MOULDED AND ORNAMENTAL BRICKS: INCLUDING COPINGS, LINTELS,	
CUTTERS AND RUBBERS, FIREPLACE BRICKS, ETC	504
COTTERO MAD ROBBERO, TIRETE MOD BRICHO, ETC	501
CHAPTER XVII.	
BRICKS MADE OF MATERIALS OTHER THAN CLAY	508
CHAPTER XVIII.	
DRYING RAW CLAY	514
CHAPTER XIX.	
USES OF WASTE BRICKS	523
CHAPTER XX.	
SOURCES OF DIFFICULTY AND LOSS	524
INDEX	531