

Serpentine .....	19
Science, application of, to agriculture.....	9
Shale .....	19
Silicates, alkaline.....	25
“ decomposition of, in soils.....	26, 27
Slate, chloritic.....	21
“ hornblendic.....	21
“ mica.....	21
“ talcose .....	21
Soils, causes of their exhaustion.....	24
“ origin .. .....	24
“ constituents of.....	25
“ absorbing action of.....	26
“ decomposition of salts in.....	26
“ classification of .....	41
“ <i>in situ</i> .....	41
“ transported .....	42
Spanish brown.....	63
Super-phosphates . . . . .	34, 40, 42
“ experiments with.....	35
Syenite.....	18
Tiles, clays for.. .....	76
“ of limestone and slate.....	74
Trap rocks.....	18
Tripoli, for polishing.....	81
“ soils.....	41
Vegetable matters necessary in soils.....	44
“ mould, action of.....	26
Whet slate .....	75
Zinc ore in Baltimore County.....	64
“ “ Frederick “ .....	72