

NEW YORK SYSTEM.	ROGERS' CLASSIFICATION.	THICKNESS IN PENN.	
Calciferous sandrock, Chazy limestone, etc.	<i>Auroral Series.</i>		
	Auroral calciferous sandrock, Auroral magnesian limestone,	60 2500 <hr/> 2560	
Trenton limestone, Utica slate, Lower Hudson River group,	<i>Matinal Series.</i>		
	Matinal argillaceous limestone, Matinal black slate, Matinal shales.	300—550 300—400 1200? <hr/> 1800—2150	
	<i>Levant Series.</i>		
Oneida conglomerate, Medina sandstone,	Levant gray limestone, Levant red sandstone, Levant white sandstone.	250—400 500—700 450 <hr/> 1200—1550	
Clinton group,	<i>Surgent Series.</i>		
	Surgent lower slate, Surgent iron sandstone, Surgent upper slate, Surgent lower ore shale, Surgent ore sandstone, Surgent upper ore shale, Surgent red marl.	200] 80 250 760 10—30 300 350 <hr/> 1950—1970	
	<i>Scalent Series.</i>		
	Niagara group, Onondaga salt group Water lime group,	Scalent variegated marls, Scalent gray marls, Scalent limestone.	400 800 50 <hr/> 1250
	<i>Pre-meridian Series.</i>		
	Lower Helderberg limestone,	Pre-meridian limestone.	80—100
Oriskany sandstone,	<i>Meridian Series.</i>		
	Meridian slate, Meridian sandstones,	170 150 <hr/> 320	
	<i>Post Meridian Series.</i>		
Schoharie grit, } Cock-tail grit, } Upper Helderberg limestone,	Post meridian grits, Post meridian limestones.	300 80 <hr/> 380	
Marcellus slate, Hamilton group, Genesee slates,	<i>Cadent Series.</i>		
	Cadent lower black slate, Cadent shales, Cadent upper black slates.	250 600 300 <hr/> 1150	
	<i>Vergent Series.</i>		
Portage group, Chemung group,	Vergent flags, Vergent shales.	1700 3200 <hr/> 4900	
Catskill red sandstone,	<i>Ponent Series.</i>		
	Ponent red sandstone.	5000	