PA	GE.	P.A	GE.
Engineering works, examination of		Equivalent uniform live load stresses	
by students 8	353	compared with single excess and	
Engineering works, visiting by stu-		double excess stresses478,	470
dents	101	480,	
Engineers, ambition of		Equivalent uniform loads method,	40.
Engineers as inspectors	949	labor saving value of458.	474
Engineers, characteristics of suc-		Equivalent uniform loads, method of	47.4
cessful	797	calculating	480
Engineers, definition of	119	Erection of bridges, value of ex-	1-2
Engineers, demand for 8	860	perience in	780
Engineers, first work of young 8	822	Erection of elevated railroads619,	620
Engineers in charge of survey duties		621, 622, 625, 627,	620
of	37	Erection of Halsted Street Lift-	
Engineers, need of breadth of;	795	Bridge	572
Engineers, opportunities for	860	Error in recording angles	53
Engineers, organizations of	955		881
Engineers, relation to employer and		Estimates, base prices in	757
contractor	872	Estimates, basis of for elevated rail-	
Engineers, requisites for successful 8	860	road	600
Engineers, selection of specialty	822	Estimates, faulty, cause bad con-	
Engineers, the demand for	952	Estimates, financier's views of engi-	25
Engineers, unfair cause high bids.	250	Estimates, financier's views of engi-	
Engineer's work, credit for 8	816	neer's	25
Engines, in use	400	Estimates, instruction in making	133
English, continuation of the study of		Estimates, made in schools	94
English, importance of teaching.	131	Estimating quantities in excavation	54
English, responsibility for weakness			517
in	937	Ethics, teaching of	127
English, source of bad	936	Examination of engineering con-	
English, study of	936	struction, the importance of	835
English, teaching of	785	Examinations, character of	182
English, the importance of	846	Examinations, final	159
English the importance of thorough-		Examinations, method of holding.	95
ness in	864	Examinations, time for	96
Entrance requirements104, 123,	156	Examinations, use of pocket books	
167,	170	in	128
Entrance requirements, future		Examinations, value of	100
Envy, the results of		Examinations, written127,	133
Equipment for exploratory survey.	52	Excess methods, inaccuracy of	433
Equipment of engineering schools,		469,	
88,	135	Excess, methods of calculating 259,	468
Equivalent loads, method of utiliz-		Excess methods, sufficient for	
	462	trusses	487
Equivalent uniform live load, re-		Excess system, accuracy of .428, 429,	
quirements of	472	475, 482,	485
Equivalent uniform live load dia-		Excess system, advantages of 406,	
gram, preparation of270,		473. 482.	
475, 476, 477.	490	Excess system, disadvantages of	396
Equivalent uniform live load meth-		Excess system, labor its use in-	
od, accuracy of458, 470, 472,	477	volves	489
478, 479, 480,	481	Excess system of live loads299,	
Equivalent uniform live load method,	- 0	310, 326,	328
controversy relating to	458	Expansion joints, cost of in Second	
Equivalent uniform live load method,		Avenue Elevated Railroad	
correspondence relating to	457	Expansion joints, design of	
Equivalent uniform live load method,		Expansion joints, distance between.	
reasons for use	482	632, 610, 731,	742
Equivalent uniform live load method,		Expansion Joints for elevated rail-	
the endeavor to have it adopted,		roads607, 609, 644, 649, 694,	095
457.	460	Experience, how to gain broad. 787,	795
Equivalent uniform live loads.	4.00	Experience in engineer's office, value	
method of calculating314.	218	of	500
the state of the s	310	Experience in shops, value of	241