

INDEX.

	PAGE
ABSORPTION of European money by railways and taxation	59
Abuses, suppression of	180
Administrator Chief of Pass Law, appointment of	294
Administrator Chief of Pass Law necessary	295
Administrator Chief of Pass Law, duties of	294
Administration of laws on Rand must be altered	429
Administration (State), control of personnel of	236
Administration (State), inefficient	285
Administration, Government system of, requires to be reformed	428
Administration, Netherlands Railway	283
Administration of law against gold thefts	116
Administration of Pass Law 48, 49, 61, 63, 65, 103, 109, 118, 219, 255, 257, 260, 267, 285, 290, 294, 297	
Administration of Pass Law, further complaints of Association of Mine Managers regarding	258
Administration, identical, of all districts under Pass Law necessary	295
Administration of Liquor Law 5, 12, 18, 49, 110, 114, 115, 116, 132, 184, 219, 255, 258, 267, 278, 361, 376, 449	
Administration of Liquor Law unequal	361
Administration (New Primrose Mine), reduction of costs of	76
Advantages of rich mines to the whole mining industry	10
Advantages of competition in trade	21
Advantages of low rates to railways	21
Advantages to mines of reduction of railway rates	19, 332
Advantages, industrial, derived by the Transvaal from the South African Explosives Company	382
Advisory Boards 96, 110, 132, 143, 182, 234, 252	
Agriculture 285, 286, 418, 419, 430, 447, 455	
Agriculture dependent on mining industry 285, 372, 430, 431	
Agriculture and the mining industry 419, 420	
Agricultural Department, an 447	
Air Compressor, price of, at English cost price and when delivered in Johannesburg, with extracts of charges	97
Air Compressor originally bought in England, analysis of costs of, when delivered in Johannesburg	98
Air Compressor, percentages of charges on home cost of	99
Air Compressor, comparison of rates of Cape and Netherlands Railways for transport of	99
Alaska Treadwell Gold Mining Company, comparative table of prices for stores at, and at Crown Reef	211
Alaska Treadwell Gold Mining Company, comparative working costs of, and of Crown Reef Gold Mining Company	212
Alaska Treadwell Gold Mining Company, cost of total stores per ton milled at	211
Alaska Treadwell Gold Mining Company, favourable working conditions of	210
Alaska Treadwell Gold Mining Company, working costs of	210
Albu, Mr., evidence of	9

	PAGE.
Albu, Mr., interrogation of Mr. Phillip by	393
Allotments, small, preferable to locations	229
Allouez, comparative working costs of, and of Atlantic and Osceola Outcrop and Tamarack Deep Level Mines	245
America, comparative cost of living for miners in, and on Rand	151, 419
America, the bonus system in	422
America western, comparative salaries and wages of higher grade and lower grade mine employees on Rand and in	421
American mining camps and cities, percentages of excess of cost of living on Rand over cost of living in	421
American mines in Rocky Mountains and Pacific Slope States, comparative working conditions of Witwatersrand mines and	415
American Mines, comparative timbering in Rand and	416
American fields, comparative working costs of Witwatersrand mines and of quartz lodes of	416
American ores, comparative hardness of	417
American lode mines, water in	416
American mines, comparative expense of fuel on	417
American railway rates—see Rates.	
American railways, transport of coal on, in 1892	154
American railways, ownership of	231
American railways, dividends of, in 1892	154
American railways, actual cost of carriage on, per ton per mile, from 1887 to 1890	154
American railways, construction and control of	239
American railways, cost of equipment of	283
Amortisation of capital outlay of South African Explosives Company, expenses of	411
Amortisation of capitals of gold companies	129
Angelo Mine, working costs of	101
Angelo Mine, grade of	104
Anglo-French Farrar Group of Mines	95
Anglo-French Farrar Group of Mines, grade of	101
Anglo-French Farrar Group of Mines, reduction of white labour on	101
Annual saving possible (by reduction of working costs of mines)	141
Association of Mine Managers, complaints against Pass Law made by	257
Association of Mine Managers, further complaints of, regarding administration of Pass Law... ..	258
Association of Mine Managers, petition of, and of Chamber of Mines and of Association of Mines regarding Pass Law	258
Association of Mine Managers, suggestions for	299
Association, Johannesburg Mercantile—see Mercantile.	
Association of Mines, petition of, and of Chamber of Mines and of Association of Mine Managers regarding Pass Law	258
Atlantic Mine	244, 248
Atlantic Mine, comparative working costs of, and of Allouez and Osceola Outcrop and Tamarack Deep Level Mines	245
Atlantic Mine, working costs of, from 1888 to 1894	248
Atlantic Mine, working costs of, for 1895	249
Atlantic Mine, value and profit of	245
Aurora West Mine, dividends of	19
Australian price of dynamite	372, 381
Automatic discharge trucks disallowed by Netherlands Railway	56
Automatic wagons, monthly economy obtainable in off-loading by means of... ..	156

Cambridge University Press

978-1-108-06234-3 - The Mining Industry: Evidence and Report of the Industrial Commission of Enquiry

Compiled by the Witwatersrand Chamber of Mines

Index

[More information](#)

INDEX.

691

	PAGE.
BAGGING of coal	317, 337
Bagging of coal, cost of	148, 155
Balmoral Mine, capitalisation of, per claim	77
Bantjes Consolidated Mines, losses of, through desertions	110
Barberton, price of coal at	363
Barberton, price of dynamite at	362, 442
Barberton, possible price of dynamite at	363
Barberton, comparative cost of explosives at and on the Rand	369
Barberton, cost of living at	365
Barberton, percentage of gold from	195
Barberton, native labour difficulty at	363
Barberton roads	363
Barberton, percentage of cost of labour at, to total working costs	396
Barnato group (of mines)	74
Barnato group, dividends of companies of	82
Barnato group, development of mines of	78
Barnato group, situation of mines of	79
Barnato group, capital of crushing mines of	75
Barnato group, capital of seven non-crushing mines of	75
Barnato group, costs of development of crushing mines of	78
Barnato group, costs of development of seven non-crushing mines of	78
Barnato group, stamps hung up on mines of	74
Barnato group, stamps running on mines of	74
Barnato group, mills idle on mines of	74
Barrow, Mr., evidence of	172
Beira railway rates	317
"Bewaarplaatsen"	128
Blacks, employment of, in factories	231
Blasting materials	342
Blasting materials, free-trade in	343
Board, Advisory	96, 110, 132, 143, 182, 234, 252
Board, Licensing	361
Board, Local, able men required for	50
Board, Local, representing the mining interests, advisable for administration of Pass and Liquor Laws and of matters regarding gold thefts	49, 110, 115, 116, 132, 184, 456
Board, Protection	268, 278
Board, Mining, recommended, its nature and advantages	98
Board, Sanitary	235
Board, Sanitary, rates	131, 293
Boards—see Board.	
Bogus companies	17
Bogus flotations	127, 446
Bogus flotations, Chamber of Mines willing to co-operate with Government to prevent	73
Bogus flotations, law to prevent	72
Boksburg district, average number of boys registered under Pass Law in	109
Boksburg district, proclamation of, under Pass Law	294
Boksburg district, rebates on Johannesburg (railway) port rates	98
"Bonanza" assays	88
Bonanza Gold Mining Company, amount and percentages of working costs of, from September to December, 1896	136

	PAGE.
Bonanza Gold Mining Company, loss of, on unrecovered premiums paid for native labour ...	118
Bonus system, 91, 119, 219,	422
Bonus system, and the Catlin shaft	423
Bonus system, economy of 91, 93,	423
Bonus system in America	422
Bonus system, hypothetical comparative cost of three deep level shafts of Simmer and Jack East on time wage respectively, and	424
Bonus system, objections to	426
Bonus system cheaper than time wage system	426
Bonus system, principle of, desirable in native as in white labour ..	427
Bonus system, principle of a, Republican principle	427
Bonus system, saving in working costs by	424
Bonus system, saving to capital account by	424
Bonus system, saving in <i>pro rata</i> net product of time gained by	424
Bonus to personnel of Netherlands Railway	327
Bonus to, estimated, personnel of Netherlands Railway for 1896	320
Bonus to personnel of Netherlands Railway in 1895	320
Bonuses, division of	91
Bonuses, amount of	92
“Boom budgets”	238
Boys, average number of, registered under Pass Law in Boksburg district	109
Boys, average number of, registered under Pass Law in Johannesburg district	109
Boys, average number of, registered under Pass Law in Krugersdorp district	109
Boys, total number of, registered under Pass Law	109
Brakhan, Mr., statement of	182
Brickmaking concession 284, 289,	457
Bricks, price of	289
British Columbia, average developing wage per shift of white miner in	149
British Columbia, wages in the mines of	157
British India, price of No. 1 dynamite in	381
Brochon, Mr., statement of	178
Brown, Mr. W. R., evidence of	362
Budget, equalisation of	71
Buffelsdoorn Estate and Gold Mining Company, schedule of European wages of, March and April, 1897	377
Buffelsdoorn Estate and Gold Mining Company, schedule of stores consumed at, March and April, 1897	378
Buffelsdoorn Estate and Gold Mining Company, working costs of, inclusive of mine redemption and Johannesburg office charges, March and April, 1897	380
Buffelsdoorn location	230, 376
Buluwayo, price of dynamite in	411
Burgher population, duty of mining industry towards	279
Burgher population must be increased	429
Butte, Montana, U.S.A., comparative prices of supplies at, and at Johannesburg	247
CALIFORNIA, comparative cost of living for miners, mine officials, and engineers, in and on the Rand,	420
California, discovery of gold in	251
California, white labour in, and on Rand	243
California, working conditions in	249
Californian and Rand gold mines, comparative working costs of	242

INDEX.	693
	PAGE.
Californian gold mines, working costs of	213
Californian products, relative value of	222
Californian goldfields, comparative population of, and of Rand	251
Cancellation of first dynamite concession and Nobel	441
Cancellation of dynamite monopoly	50, 143, 224, 255, 370, 453
Canteens, reef	353
Canteens, reef and gold thefts	351
Canteens, undesirability of, on mining areas	280
Cape boys	298
Cape Colony, price of No. 1 dynamite in	381
Cape Government and native labour	117
Cape Railways, cost of transport of goods per ton per mile on	325
Cape Railways, dispute between the Orange Free State Railways and	329
Cape Railways, income of	321
Cape Railways, possible increase of rates against	322
Cape Railways, profits of	36, 57, 68, 316, 335
Cape Railways, profits of, for 1896	57
Cape Railways, excessive profits of	57
Cape Railways, position of	57
Cape Railways, forced to keep up rates by Netherlands Railway	57, 123, 321, 331, 432
Cape Railways, Alleged raising of rates against	322
Cape Railways' rates—see Rates	
Cape Railways, transit dues on	325
Cape Railways, proposals of (at Pretoria Railway Conference)	338
Cape Railways, returns of the three for 1896 on an estimated reduction of rates of 10 per cent. for passenger and 20 per cent. for goods traffic	185, 187, 188
Cape Railways, net cost of a ton of goods per mile on	313
Capital of Netherlands Railway	20
Capital of New Heriot	204
Capital expenditure of Crown Reef	207
Capital, increased, of New Heriot	204
Capital of Crown Deep	72
Capital of crushing mines of the Barnato group	75, 78
Capital of Ferreira	6, 71
Capital of Geldenhuis Deep	72, 208
Capital of Glen Deep	72
Capital of gold companies in the Transvaal	126, 195
Capital issued of twenty Rand companies, table showing interest percentages on	122
Capital of South African Explosives Company	381, 390
Capital of seven non-crushing mines of Barnato Group	75, 78
Capital, reasons for inflow of, into the Witwatersrand	105
Capital of Robinson G.M. Co.	6, 202
Capital of Klerksdorp mining companies	373
Capitalisation, comparison (of 105 companies) September, 1895—May, 1897	124, 125
Capitalisation of City and Suburban Company	206
Capitalisation of Henry Nourse	205
Capitalisation, per claim of Langlaagte Royal, Balmoral and New Primrose	77
Capitalisation of mines	22, 71
Capitalists, confidence of, shaken : reason for this	127
Capitalists, support of European	10

	PAGE
Capitals, deep-level	146
Capitals of gold companies, amortisation of	129
Capitals, nominal	34
Capitals of companies, depreciation of since 1895	126
Carbon, analysis of cost of importation of	100
Carbon, cost of ten tons of, at home price and when delivered in Johannesburg with charges...	97
Carbon, comparison of home cost of ten tons of, and railway rates on the same consignment ...	101
Cartridges, manufacture of by South African Explosives Company	397
Cartridges, dynamite, cost of manufacture of	407
Catlin, Mr., evidence of	91
Catlin shaft, bonus system and the	423
Catlin shaft, sinking of	91
Cement	68, 284
Cement Factory	69, 284
Cement, Duty on	69, 284, 457
Cement, imported prices of	69
Cement, increase of railway rate on	123, 331, 432
Cement, railway rate	87
Cement, European and Tansvaal prices for	284
Chamber of Commerce, Johannesburg	289
Chamber of Commerce, Johannesburg, questions of, to Mr. Middelberg	434, 438
Chamber of Commerce, Johannesburg, and railway expropriation	438
Chamber of Mines, Witwatersrand, complaints of, as to Pass Law	109
Chamber of Mines, Witwatersrand, railway report of	68
Chamber of Mines, Witwatersrand, petition of, and of Association of Mines, and of Association of Mine Managers regarding Pass Law	258
Chamber of Mines, Witwatersrand, willing to co-operate with Government to prevent bogus flotations	73
Chamber of Mines, Witwatersrand, alleged proposed contract for dynamite at 90s. per case between Nobel's and the	50
Chamber of Mines, Witwatersrand, gold returns of companies	119
Chamber of Mines, Klerksdorp, statement of	373
Chamber of Commerce, Klerksdorp, statement of	373
Charge Office, Special, required for carrying out Pass Law	295
Charges, railway—see Rates.	
Charges, further objectionable, by Netherlands Railway	55
Charges on coal before delivery	52
Charitable purposes, subscriptions of Companies to	143
Charlestown line, opening of	323
Chlorination plant (of Robinson G.M. Co.)	203
City and Suburban Company, capitalisation of	206
City and Suburban Company, equipment of	206
City and Suburban Company, cyanide works of	206
City and Suburban Company, analysis of working costs of	199
City and Suburban Company, profits of	206
City and Suburban Company, receipts of	206
City and Suburban Company, reduced working costs of	207
City and Suburban Company, number of claims of	206
City and Suburban Company, increased extraction of	207
City and Suburban Company, illicit sale of liquor at	49
City and Suburban Company, gold thefts, alleged collusion of police in	49

INDEX.							695
							PAGE.
Claim, mining cost of title to, in United States	...	...	...	...	...	...	241
Claim, distinction of digger's and prospector's	...	...	...	...	...	...	281
Claim licences, Wolhuter	...	...	...	...	...	...	241
Claim licences, mining	...	...	...	...	...	...	241, 281
Claim licences, mining, in S. America	...	...	...	...	...	...	241
Claims of New Heriot	...	...	...	...	...	...	204
Claims, number of, of Geldenhuis Deep	...	...	...	...	...	...	208
Claims, number of, of Henry Nourse	...	...	...	...	...	...	205
Claims, number of City and Suburban	...	...	...	...	...	...	206
Classification of Mines	...	...	...	...	...	...	4
Classification of goods wrong	...	...	...	...	...	...	55
Climate of Rand	...	...	...	...	...	...	418
Climate of Rand and of American Gold Fields, comparison of	...	...	...	...	...	...	418
Closer union between Government, Legislature, and inhabitants of Rand required	...	...	...	...	...	...	268, 279
Closing down mines, dangers of	...	...	...	...	...	...	301
Closing down of North Randfontein Mine	...	...	...	...	...	...	304
Coal	...	...	...	...	...	...	4, 44, 52, 84
Coal, average distance transported	...	...	...	...	...	...	155
Coal, delivered at mines, average monthly value of	...	...	...	...	...	...	155
Coal, carried for departmental purposes in Orange Free State and Cape Colony, railway rates on	...	...	...	...	...	...	54
Coal charges, loss of Netherlands Railway Company only temporary, by reduction of	...	...	...	...	...	...	52
Coal returns, February	...	...	...	...	...	...	314
Coal returns, March	...	...	...	...	...	...	314
Coal charges on, before delivery	...	...	...	...	...	...	52
Coal charges, share of Netherlands Railway in	...	...	...	...	...	...	52
Coal returns, April	...	...	...	...	...	...	315
Coal, basis of compilation of railway rates on	...	...	...	...	...	...	313
Coal, more facilities required for delivery of...	...	...	...	...	...	...	52
Coal, off-loading of, in bulk...	...	...	...	...	...	...	338
Coal, consumption of, by mines	...	...	...	...	...	...	148
Coal, cost of, on Crown Reef in 1892 and in 1897...	...	...	...	...	...	...	140
Coal, cost of, on Henry Nourse in 1892 and in 1897	...	...	...	...	...	...	135
Coal, average rate per ton of, on Netherlands Railway	...	...	...	...	...	...	317
Coal, differential railway rates on	...	...	...	...	...	...	121
Coal transport, distance of	...	...	...	...	...	...	317
Coal, economy resulting from reduction of railway rates on, to 1½d. per ton per mile	...	...	...	...	...	...	155
Coal expenses, Ferreira and Worcester	...	...	...	...	...	...	256
Coal, the transport of	...	...	...	...	...	...	144
Coal, delivery prices of, per ton, possible and actual	...	...	...	...	...	...	52
Coal, possible total saving to the mining industry by reduction of expenses regarding	...	...	...	...	...	...	156
Coal, percentage of profits per ton of, on Netherlands Railway	...	...	...	...	...	...	317
Coal, quality of	...	...	...	...	...	...	364
Coal, railway rates on, 20, 26, 27, 39 52, 54, 87, 121, 148, 154, 155, 221, 264, 283, 312, 313, 314, 315, 317, 318, 323, 329, 336, 364,	...	...	...	...	...	...	455
Coal, railway rates on, in Germany	...	...	...	...	...	...	329
Coal, railway rates on, reduction of, in 1896	...	...	...	...	...	...	323
Coal, railway rates on, in America and on Rand	...	...	...	...	...	...	148
Coal railway rates on American railways	...	...	...	...	...	...	148
Coal, railway rate on, from Springs to Geldenhuis Deep and Jumpers Deep	...	...	...	...	...	...	155
Coal, standard railway rate for, in Eastern States of United States of America	...	...	...	...	...	...	155

	PAGE.
Coal, railway rate on, from Springs to Krugersdorp	318
Coal, saving on, percentage of working costs by reduction in price of	52
Coal, price of, at Barberton	363
Coal, price of, at pit's mouth	52, 148, 155
Coal traffic and the proposed Elandsfontein Roodepoort line	145
Coal traffic, estimated, of Netherlands Railway	317
Coal traffic, profits, (Netherlands Railway) on	325
Coal, traffic of in bags	317, 337
Coal, tonnage transported, table of	314
Coal transport, charges on, of Netherlands Railway, per ton per mile to Geldenhuis Deep, comparison of, and English railway coal freight	54
Coal, transport of, and rate for, on American railways in 1892	154
Coal, transported by rail, average consumption of, by mines	155
Coal, reduction of railway rates on	27, 121, 148, 264, 317, 337
Coal rate, Netherlands Railway	26, 283
Coal rate, Orange Free State Railway	283
Coal rate, Natal Railway	283
Coal, railway rates for, on English railways	312
Coal, value of reductions on, and on dynamite in percentages to certain paying and non-paying mines	52
Coal, reduced freights on, on foreign railways	20
Coal Trust, dividends of the	19
Colonial railways	68
Colonial transit dues	68
Commerce and agriculture	285
Commerce and agriculture and the mining industry	286
Commerce, Transvaal and the Netherlands Railway	330
Commerce, representation of	25
Commerce, Johannesburg Chamber of—see Chamber.	
Commission of Enquiry into the liquor question, history of	349
Commission of Enquiry into the liquor question, appointment of	349
Commission of Enquiry into the liquor question, proposals for regulating native liquor trade made to	353
Commission, Industrial, of Enquiry	263
Commission, Industrial, of Inquiry, letter of the, to the State President and Executive Council	445
Commission, Industrial, of Inquiry, appointment of	1
Commission, Industrial, of Inquiry, approved in Europe	9
Commission, Industrial, of Inquiry, members of	1
Commission, Industrial, of Inquiry, objects of	2
Commission, Industrial, of Inquiry, mode of procedure of	13
Commission, Industrial, of Inquiry, beneficial effect of	235
Commission, Industrial, of Inquiry, report of	443, 444, 445
Commission, Industrial, of Inquiry, replies of Mr. Phillip to	397
Commission, Industrial, of Inquiry, effect of action of in Europe	275
Commission, Industrial, of Inquiry, intends well towards mining industry	251
Commission, Industrial, of Inquiry, visit of, to the Dynamite Factory	412, 452
Commission, Volksraad, on dynamite	50, 381
Commission, Volksraad, on dynamite, report of	50, 384, 451
Commission, English Royal, on liquor laws	352

INDEX.	697
	PAGE.
Companies (gold) in the Transvaal, number and capital of	195
Companies (gold), market value of	199
Companies (gold), Chamber of Mines gold returns of	119
Companies (gold), percentages of 53 on total amount of gold produced	119
Companies (gold), dividends of	119
Companies (gold), average of total dividends on 51 producing	119
Companies (gold), analysis of operations of 29 principal, as shown by their last published reports	195, 196, 197
Companies (gold), capitalisation of	124, 125, 126
Companies (gold), bogus	17
Companies (gold), statement showing losses of, on unrecovered premiums paid for native labour	118
Companies (gold), table of returns of 74, concerning administration of Liquor Law	114, 115
Companies (gold), amortisation of capitals of	129
Companies (gold), comparison of, and railway companies	27
Companies (gold), losses of 16, in premiums for native labour...	110
Companies (gold) working in 1896 and now	195
Companies (gold), working conditions of some	126
Companies (gold), statistics of European labour of 53	119
Companies (gold), profits of 30 of the 53 producing	119, 122
Companies (gold), statistics of expenditure of	130
Companies (gold), increase and fall of market values of, since 1895	130
Companies (gold), return showing desertion of natives from 33	111
Companies, 20 Rand (gold), table of, showing amount of dividends for 1896, together with interest percentage on issued capital and interest percentage on market value, May 1st, 1897	122
Companies, railway and mining, distinction between	11
Companies, subscriptions of, to charitable purposes	143
Companies, 22 Rand (gold), average working costs of	245
Companies, Klerksdorp mining, number, capital, and actual condition of	373
Competition, advantages of, in trade	21
Competition, trade combination of merchants and	443
Competition in gold mining... ..	28, 429
Compound system	25, 46
Compound managers and the liquor question	350
Compound managers, permits of, to purchase liquor	356
Compound management	43
Comstock Mines, Nevada, wages in the	157
Concession, brick-making	284, 289, 457
Concession, dynamite	50, 265, 389
Concession, dynamite, abolition of	370
Concession, dynamite, Nobel's and the present	439
Concession, dynamite, Nobel's and the second	441
Concession, dynamite, cancellation of the first	441
Concession of Netherlands Railway, duration of	337
Concession of Netherlands Railway to collect Customs, history of	325
Concession, iron	86
Concessions	73, 220, 239, 372, 430, 447
Concessions, evils of	220
Concessions, dynamite and railway, Government required to cancel	224
Concessions, liquor, by mining companies	350
Concessions, the two dynamite and the Convention	441

	Page
Concessions, dynamite	21
Construction, costs of mines of Witwatersrand Goldfields, and excess cost through high railway rates... ..	158
Construction of mines, not including payment for claims, total cost of	149
Construction expenses, percentages of (deep levels)	-149, 146
Construction of United States railways	239
Construction, railway, comparative costs of	222
Contract, alleged proposed, between Chamber of Mines and Nobel's for dynamite at 90s. per case ...	50
Contract, dynamite, failure of concessionaires to carry out ..	51
Contract, dynamite, Nobel's and Mr. Lippert's first	439
Contract, dynamite, right of Government to cancel	51
Contract, Geldenhuis Estate and Cowie	355
Contract, the Lingham	290, 325, 341
Contract work	40, 119, 183, 250, 251,, 259, 307
Contract work, white wages in 1890 and in 1897 for	259
Contract workmen, cost of gelatine to	300, 303
Contract workmen, cost of fuse to	300
Contract system, the, for native labour	231
Contract, Mr. Davies'	341
Convention, the (London), and the two dynamite concessions	441
Co-operative action of South African railways desirable	325
Co-operation of mining leaders	39
Cost— <i>see also</i> Price.	
Cost of imported dynamite— <i>see</i> Price.	
Cost of native labour supply	14, 23, 96, 110, 117, 129, 228, 239, 250, 261, 375, 448, 455
Cost of transport of native labour	14, 23, 96, 110, 117, 129, 228, 239, 375, 448, 455
Cost, prime, comparison of, and of railway rates on heavy goods	283
Cost of labour, percentage of, on ordinary working costs	35, 41, 218
Cost of labour in 1895	218
Cost of explosives, comparative, at Barberton and on the Rand	369
Cost of erecting dynamite factory	381, 392
Cost of materials for dynamite	392
Cost of importing materials for dynamite in bulk	51, 401, 407, 453
Cost, comparative, of imported finished and half-finished dynamite	405
Cost, hypothetical comparative, of three deep level shafts of the Simmer and Jack East on time wage and bonus systems respectively	424
Cost of sinking of Simmer and Jack East shafts	425
Cost of coal on Henry Nourse in 1892 and in 1897	135
Cost of gelatine on Henry Nourse in 1892 and in 1897	135
Cost of dynamite in 1892 and of gelatine in 1897 on the Crown Reef	140
Cost of coal on the Crown Reef in 1892 and in 1897	140
Cost of native labour, reduction of	14, 22, 255
Cost of explosives	78, 451
Cost of expropriation of railway	186, 190, 336, 337
Cost of fuel at Langlaagte Royal Mine	79
Cost of dynamite (<i>see also</i> Price of)	11, 180, 266
Cost of explosives, average percentage of, on working costs	51, 452
Cost of deep levels	17
Cost of native labour	25, 31, 38, 217, 290, 365
Cost of mine equipment	34, 54
Cost of food to miners in England... ..	172

INDEX.		699
	PAGE.	
Cost of mealies	83	
Cost of transport of natives to East Rand Proprietary Mines during 1896, and to March, 1897	96	
Cost of rails at English cost price and when delivered in Johannesburg	97, 100	
Cost of 10 tons of carbon at home price and when delivered in Johannesburg	97, 100	
Cost of transport of mealies from Durban to New Comet Company	98	
Cost of transport of coal, possible total reduction in	148	
Cost of equipment and development, estimated, on deep level mines of 100 and 200 stamps respectively	148	
Cost of dynamite in America	46	
Cost of white labour, reduction of (<i>see also</i> Wages and Reduction of White Wages)	85	
Cost importing of machinery, plant, etc., for the Rand Mines, Limited, <i>via</i> East London, details of	89	
Cost importing of timber for the Rand Mines, Limited, <i>via</i> Delagoa Bay, details of	89	
Cost of native food	78	
Cost, comparative, of hand and machine drills	78	
Cost of expropriation of railway	186, 190, 336, 337	
Cost of expropriation of railway in 1895	58	
Cost of off-loading coal at Jumpers Deep	155	
Cost, relative, of machinery, f.o.b. in England, on the Continent, or in America, and on Witwatersrand mines	158	
Cost, estimated total, of equipment and development of Witwatersrand goldfields... ..	149, 158	
Cost of dynamite, how reduction of, would lessen working costs of mines— <i>see</i> reduction of price of dynamite.		
Cost of dynamite, increase of	76	
Cost of rapid shaft-sinking	93	
Cost of bagging	155	
Cost of development of a deep level mine	157	
Cost of labour— <i>see also</i> Labour	217	
Cost of dynamite, reduction of— <i>see also</i> Dynamite	255, 256	
Cost of dynamite reduced— <i>see</i> Reduction of price of dynamite.		
Cost, comparative, of dynamite manufactured in the Transvaal, and imported	277, 406, 408	
Cost of transport of goods per ton per mile on Cape railways	325	
Cost of gelatine at Klerksdorp	373	
Cost, home, of ten tons of carbon and railway rates on the same consignment, comparison of... ..	101	
Cost of labour, percentage of, on working costs— <i>see</i> Costs, working.		
Cost, prime, and railway rates on a consignment of furniture	56,	
Cost, prime, of machinery delivered on board ship and when erected on mines here, comparison of	149	
Cost of equipment of railways in the United States	283	
Cost of labour, percentage of its total costs in English machinery manufactories	149	
Cost of labour, percentage of its total costs on the Jumpers Deep Mine	149	
Cost of equipment of the Geldenhuis Deep	208	
Cost of total stores per ton milled at Alaska Treadwell Gold Mining Company	211	
Cost of total stores per ton milled at the Crown Reef Gold Mining Company... ..	211	
Cost of gelatine	263, 305, 366, 372, 411	
Cost of local manufacture of dynamite	406, 407, 410, 411	
Cost, actual, of transport per ton per mile on American railways, 1887-1890	154	
Cost, actual, of machinery shipments to Johannesburg... ..	156	
Cost of title to mining claim in United States	241	
Cost of blasting gelatine at the Ferreira Mine	255, 256, 262	
Cost of gelatine to contract workmen	300, 303	
Cost of fuse to contract workmen	300	

	PAGE.
Cost, net, of a ton of goods per mile on the Cape Railways	313
Cost of dynamite monopoly to Rand mines group in 1896	52
Cost of living	131, 430
Cost of living, average of, for white married miner	47
Cost of living, monthly, of miner's family on the Rand... .. .	174
Cost of living, weekly, to a miner's family in England, estimate of	173
Cost of living for a draughtsman in the United States and at Johannesburg	150
Cost of living on the Rand and in England	47, 149, 175
Cost of living, comparative, of miners in America and on Rand	151, 251, 419
Cost of living, reduction of	141, 144, 371, 447
Cost of living, causes of excessive	142
Cost of living, possible reduction of working costs through reduction of	422
Cost of living of white miners on Rand	249
Cost of living of white miners reducible by Government action	259, 302
Cost of living, comparative, in Scotland and on Rand	306
Cost of living, comparative, for miners, mine officials, and engineers on the Rand and in California	420
Cost of living on Rand, percentages of excess of, over cost of living in American mining camps and cities... .. .	421
Cost of living, comparative, greater, of higher than lower paid employees	421
Cost of living, comparative, higher, of married than unmarried miners	421
Cost of living, comparative, at Johannesburg, Erith, England, and Scranton, N. America	158
Cost of living an index to wages	420
Cost of living at Barberton	365
Costs of stores	80
Costs, comparative, of different mines—see Costs, working, Comparative, etc.	
Costs, sundry, of the Henry Nourse Gold Mining Company	135
Costs, milling, of some mines of the United States	213
Costs, average, milling in United States	213
Costs, milling, on Rand	216
Costs, development, on Rand	217
Costs of labour at Barberton, percentage of, to total working costs	366
Costs of labour, percentage of on working costs	35, 41, 218
Costs, comparative of railway construction	222
Costs, tabular, of imported mining material from San Francisco	246
Costs, sundry of Crown Reef Gold Mining Company	140
Costs of development of seven non-crushing mines of Barnato group	78
Costs of development of crushing mines of Barnato group	78
Costs, cyaniding	77, 80, 217
Costs of New Primrose Mine administration, reduction of	76
Costs in labour and stores (New Primrose Mine) 1890-1893, reduction of	76
Costs in labour and stores (New Primrose Mine) 1893-1896, reduction of	76
Costs free on board and Netherlands Railway charges on a consignment of timber... .. .	56
Costs, development and construction of Jumpers Deep ; percentages of, from its commencement to 31st December, 1896	157
Costs, construction of mines of Witwatersrand goldfields, and excess (construction) cost through high railway rates	158
Costs, prime, comparison of, and railway charges on Australian goods	55
Costs, comparative, of New Primrose for 1890, 1893 and 1896—see Costs, working of New Primrose, etc.	
Costs, reduction of, desired from Government	77
Costs, analysis of, of air compressor originally bought in England when delivered in Johannesburg	98

INDEX.	701
	PAGE.
Costs, Henry Nourse Gold Mining Company, from 1st January, 1890, to 31st December, 1896— <i>see</i> Costs working, of Henry Nourse, etc.	
Costs of bagging and off-loading	148
Costs, construction, percentages of (deep levels)	149, 156
Costs, dynamite	38, 220
Costs of living— <i>see</i> Cost of living	
Costs of mines, percentages of— <i>see</i> Costs, working	
Costs, initial, of New Heriot— <i>see</i> Costs, working, initial, &c.	
Costs, mining— <i>see</i> Costs, working.	
Costs, working	4, 41, 45, 47, 60, 415, 446
Costs, working, reduction of, of Ferreira Company since 1892.	
Costs, working, average of mines on Rand	80, 422
Costs, working, percentage of, to revenue of Netherlands Railway for 1894 and 1895 ...	324
Costs, working, Netherlands Railway reduction of	337
Costs, working, railway methods of calculating	313
Costs, working, total at Barberton, percentage of costs of labour to	366
Costs, working, of Buffelsdoorn Estate and Gold Mining Company, March and April, 1897, inclusive of mine redemption and Johannesburg office charges	380
Costs, working, March and April, 1897 of Eastleigh Mines, Limited	379
Costs, working, comparative, of different mines	80
Costs, working, and the State revenue	415
Costs, working, comparative, of Witwatersrand mines and of quartz lodes of American fields ...	41
Costs, working, beneficial results of reduction of 6s. per ton on	123, 132
Costs, working, reduction of 6s. per ton on, will restore confidence	44
Costs, working, relative advantages of the reduction of, to the rich and poor mines	147
Costs, working, results of reduction of, by Government	179
Costs, working, Government aid required to reduce	141, 180, 209, 223
Costs, working, reduction of 32, 51, 52, 58, 77, 83, 85, 123, 132, 141, 144, 145, 147, 179, 180, 209, 223, 260, 262, 267, 270, 271, 424	424
Costs, working, future reduction of	223
Costs, working, extent of reduction of, dependent on Government action regarding Netherlands Railway	58
Costs, working, reduction of, possible, both without and with Government aid	77
Costs, working, saving in, by bonus system	424
Costs, working, reduction of, required to bring majority of mines into work at a profit ...	132
Costs, working, amount and percentages of, of the Henry Nourse Gold Mining Company for 1896	135
Costs, working, amount and percentages of, of the Bonanza Gold Mining Company from September to December, 1896	136
Costs, working, amount and percentages of, of the New Modderfontein Gold Mining Company from 1st May, 1896, to 31st March, 1897	137
Costs, working, amount and percentages of, of the Treasury Gold Mines for the year ending 31st March, 1897	138
Costs, working, amount and percentages of, of the Wolhuter Gold Mines for 1896... ..	139
Costs, working, amount and percentages of, of the Crown Reef Gold Mining Company for 1896 ...	140
Costs, working, average percentage of cost of explosives on	51, 452
Costs, working, probable saving in, by reduction in price of coal	52
Costs, working, annual saving possible on	141
Costs, working, of Henry Nourse	134, 206
Costs, working, of Crown Reef	208
Costs, working, of Deadwood Terra Gold Mining Company	212
Costs, working, of Mount Morgan Mine	213

	PAGE.
Costs, working, of Mysore Company	213
Costs, working, of El Callao Mine	215
Costs, working, of Californian gold mines	213, 242
Costs, working, reduced, of City and Suburban Company	207
Costs, working, comparative, of Alaska Treadwell and Crown Reef Gold Mining Companies ...	212
Costs, working, relative, of United States and Venezuela goldfields ..	216
Costs, working, comparative of Californian and Rand gold mines	242
Costs, working, of Tamarack Mine, U.S.A.	244, 248, 249
Costs, working, average, of 22 Rand companies	245
Costs, working, comparative, of outcrop and deep level mines, Michigan, U.S.A. ...	249
Costs, working, reductions in, made by mining industry	77, 260, 270
Costs, working, of Ferreira Company, reductions of, since 1892	260
Costs, working, 5s. per ton reduction in, required	264, 269, 271, 272
Costs, working, co-operation of mining industry necessary in reducing..	32, 267
Costs, working, of Netherlands Railway ..	314
Costs, working, of Netherlands Railway for 1896	319
Costs, working, percentage of railway rates on	35, 42, 58, 60
Costs, working, of Geldenhuis Deep	87
Costs, working, of New Comet and Angelo	101
Costs, working, percentage of, to be possibly saved by reducing cost of explosives ...	51
Costs, working, percentage of white and native wages on nine shafts on	92
Costs, working, of New Primrose Mine	75, 80, 83
Costs, working, of Meyer and Charlton for 1896	186, 192
Costs, working, of Princess Gold Mining Company	186, 193
Costs, working, of Crown Reef, Henry Nourse, City and Suburban, Robinson, New Heriot, and Geldenhuis Deep, analysis of	199
Costs, working, percentage of, of the whole Rand from the State Mining Engineer's report ...	200
Costs, working, of Robinson Gold Mining Company	199, 202, 203
Costs, working, of Alaska Treadwell Gold Mining Company... ..	210
Costs, working, dividends and reduction of	145
Costs, working, percentage of labour costs on	35, 41, 218
Costs, working, comparative of Atlantic Allouez and Osceola outcrop and Tamarack deep-level mines	245
Costs, working, percentage of white wages on	60
Costs, working, means of reducing	179
Costs, working, percentage of	7, 37, 39, 41, 47, 60
Costs, working, reduction of on Rand possible	85, 416
Costs, working, Langlaagte Royal	76
Costs, working, initial, of the New Heriot	204
Costs, working, of Sierra Butter Mine, U.S.A.	247
Costs, working, of Plumas Eureka Mine, U.S.A.	247
Costs, working, of Zeile Mine, U.S.A.	247
Costs, working, of Plymouth Consolidated Mine, U.S.A.	247
Costs, working, of Atlantic Mine, U.S.A.	248, 249
Costs, working, comparative, of outcrop and deep-level mines	252
Costs, working, possible reduction of, through reductions of cost of living	422
Costs, working, comparative. of different mines... ..	80
“Cowie,” contract, the	355
Crown Deep, capital of	72
Crown Reef, analysis of working costs of	199

INDEX.	703
	PAGE.
Crown Reef, dividends of	45
Crown Reef, equipment of	207
Crown Reef, history of	207
Crown Reef, capital expenditure of	207
Crown Reef, capital of	45
Crown Reef, revenue and expenditure of	207
Crown Reef, reserve ore of	207
Crown Reef, increased extraction of	208
Crown Reef, yield of	208
Crown Reef, working costs of	208
Crown Reef, cost of total stores per ton milled at... ..	211
Crown Reef, comparative table of prices for stores at, and at the Alaska Treadwell G. M. Co.	211
Crown Reef, comparative working costs of, and of Alaska Treadwell G. M. Co.	212
Crown Reef, sorting on	140, 150
Crown Reef G. M. Co., sundry costs of... ..	140
Crown Reef, cost of coal on, in 1892 and in 1897	140
Crown Reef, cost of dynamite in 1892 and of gelatine in 1897	140
Crown Reef, amount and percentages of working costs of, for 1896	140
Crown Reef, white and native wages on, in 1892 and in 1897	140
Crown Reef, average developing wage per shift of white miner	149
Crown Reef, table of wages on, and on Jumpers Deep, and in Montana, Nevada and British Columbia	157
Customs abatements necessary	268
Customs, collection of, at Komati Poort	324
Customs, English, liquor duties of, for 1895	352
Customs, revenue of Netherlands Railway from collection of	324
Customs, history of concession of Netherlands Railway to collect	325
Customs dues	268
Cyanide patent	80
Cyanide plant, expense of	149
Cyanide, price of	143
Cyanide works of City and Suburban	206
Cyanide treatment of Robinson G. M. Co.	203
Cyanide treatment	203
Cyaniding, costs of	77, 80, 217
DALRYMPLE, Mr. William, evidence of... ..	95
“Davies,” privilege, the	325, 341
Deadwood Terra Gold Mining Company, wages at the	213
Deadwood Terra Gold Mining Company, working costs of	212
Deadwood Terra Gold Mining Company, yield of	212
De Beers, price of dynamite at	21, 382, 388, 395
Debenture issue of Geldenhuis Deep	208
Debentures, Netherlands Railway state guarantee of	319
Deep levels	17, 252
Deep levels, economy of	87
Deep levels, dryness in first row of	416
Deep levels, dryness in second row of	416
Deep levels, Ferreira, Worcester and Wemmer	88

	PAGE.
Deep levels of 2,000 or 3,000 feet ...	252
Deep levels, cost of ...	17
Deep levels, cost of development of ...	157
Deep levels, development of... ..	244
Deep levels, depths and distances from outcrop of ...	244
Deep levels, economy of rapid shaft sinking in ...	425
Deep levels, percentages of construction costs of ...	149, 156
Deep levels, value of ...	279
Deep levels, table of distribution of labour at the different ...	171
Deep levels, comparative working costs of outcrop mines and of ...	252
Deep levels, capitals of ...	146
Deep levels, comparative working of, and costs of outcrop mines, Michigan, U.S.A. ...	249
Delagoa Bay, rate from, to Klerksdorp ...	374
Delagoa Bay route ...	16
Delagoa Bay route, comparative railway mileage rates on rough and third-class goods on, and on the Cape and Natal routes ...	375
Delagoa Bay route, drawbacks to, for imported goods ...	97
Delagoa Bay line, opening of ...	323
Delagoa Bay line, rates of ...	333
Delagoa Bay, railway rates from, to Johannesburg ...	97
Delagoa Bay, refusal of trucks at... ..	340
Delivery charges on the Netherlands Railway ...	87, 341
Delivery of coal, more facilities required for... ..	52
Delivery prices of coal per ton, possible and actual ...	52
Delivery of live stock on Netherlands Railway, delay in ...	341
Delivery of goods on the Netherlands Railway ...	341, 455
Demurrage charges on the Netherlands Railway ...	340
Denny, Mr. G. A., evidence of ...	369
Departmental committees ...	182
Depreciation of capitals of companies since 1895 ...	126
Depression, comparison of, in 1890 and in 1897 ...	209
Depression, the present ...	141, 445
Depression, probable effect of ...	12, 430
Depression, reasons for ...	2, 105, 270, 275, 415, 430
Depression, the present, remedies for ..	106
Deserters, means for identification of ...	297
Deserters, some, arrested ...	297
Deserters, identification of, difficult ...	297
Deserters from New Kleinfontein Company from September, 1895, to March, 1896 ...	96
Desertion ..	48, 297
Desertion returns ...	257
Desertion of natives from 33 companies, return showing ...	111
Desertion, means for preventing ...	297
Desertions at the Langlaagte Estate ...	268
Desertions, loss of Ferreira Mine through ...	257
Desertions, loss of Bantjes Consolidated Mines through ...	110
Desertions, loss to Langlaagte Estate Gold Mining Company through ...	268
Desertions, loss of Treasury Gold Mines through ...	110
Desertions, loss of Vogelstruis Consolidated Deep through ...	11

INDEX.				705
				PAGE.
Desertions, loss of Wolhuter Gold Mines in 1895 and in 1896 through	...	...	...	110
Detective force, special, necessary to bring to justice illicit gold buyers	...	..	...	115, 457
Detectives, inefficiency of	...	...	...	48
Detonators	...	...	...	412
Detonators, importation of	...	...	...	399
Detonators, Mr. Lippert's commission on	...	...	...	399
Detonators, price of	...	...	...	397, 399, 440
Detonators, permits for importation of	...	...	...	441
Detonators, Sale of, in Johannesburg	...	...	...	440
Detonators, manufacture of	...	...	...	399
Detonators, profits on sale of	...	...	...	440
Development costs of crushing mines of Barnato group	...	...	...	78
Development costs on Rand...	...	...	...	217.
Development, costs of, of seven non-crushing mines of Barnato group	...	...	...	78
Development, early, of gold mines	...	...	...	201
Development, estimated cost of, on deep level mines of 100 and 200 stamps respectively	...	...	...	148
Development of deep levels	...	...	...	157, 244
Development of mines of Barnato group	...	...	...	78
Development of New Heriot	...	...	...	204
Development of the mining industry	...	...	...	72
Development, of non-producing mines, necessity of	...	...	...	121
Development, estimated total cost of, of Witwatersrand goldfields	..	...	...	149, 158
Diggers' licences	...	...	...	19, 24, 281
Directors of Geldenhuis Deep, salaries of	...	...	...	88
Directors' salaries	...	...	...	300, 448
Discontent of Witwatersrand	...	...	...	269
Dividend and non-dividend paying mines	...	...	...	17
Dividend and non-dividend paying mines, differential railway rates for	...	...	...	318
Dividend of South African Explosives Company for 1895	...	..	...	382, 390
Dividend estimated of Netherlands Railway on reduction of rates	...	...	...	328
Dividend, Netherlands Railway, for 1895	..	...	...	33
Dividends of Netherlands Railway for 1896	...	...	...	327
Dividends, comparative, of mines and Netherlands Railway	...	...	...	20
Dividends, payment of	...	...	...	34
Dividends of Coal Trust	...	...	...	19
Dividends of Aurora West	...	...	...	19
Dividends of Rand Gold Mining Companies	...	...	...	119, 145, 446
Dividends of companies of Barnato group	...	...	...	82
Dividends and reduction of working costs	...	...	...	145
Dividends of Crown Reef	...	...	...	45
Dividends, El Callao Mine	...	...	...	215
Dividends of foreign railways	...	...	...	20
Dividends of George Goch	...	...	...	19
Dividend of Jumpers	..	...	...	7
Dividends of Meyer and Charlton Mine	...	...	...	19
Dividends of Midas East Estate	...	...	...	19
Dividends of Roodepoort United Main Reef	...	...	...	19
Dividends of Steyn Estate	...	...	...	19
Dividends of American railways in 1892	...	...	...	154

	PAGE.
Dividends of Tamarack Mine	244
Dividends, amount of, paid by 20 Rand companies for 1896, table showing .. .	122
Dividends, railway	6, 316
Dividends, total, average of, of 51 producing companies .. .	119
Dividends, taxation of	280
Dividend of mines in 1896	141, 333
Draughtsmen, four principal, average monthly wage of, on the Rand and in England .. .	149, 157
Draughtsmen, cost of living for, in the United States and at Johannesburg .. .	150
Drill boys	43
Drills, hand and machine, comparative cost of	78
Drunkenness and crime	352
Drunkenness, percentage of, at the New Kleinfontein Company since the increase in licences .. .	96
Dryness in deep levels, first row	416
Dryness in deep levels, second row	416
Dryness in outcrop mines	416
Dryness of mines on Rand	416
Dues—see Duties.	
Durban, railway rates from, to Johannesburg	97
Dutch language, use of, on the Netherlands railway	340
Duty, import, on cement	69, 284, 457
Duty, import, on food-stuffs... .. .	285, 286, 289, 448, 454
Duty, import, on machinery	284, 287
Duties, import	131, 284, 293, 442
Duties, import, reduction of	278, 414, 442
Duties, grain and flour	284
Duties, special, on food-stuffs	292
Duties, transit	57, 68, 102, 123, 130, 325, 450
Dynamite	3, 4, 5, 44, 50, 96, 121, 269, 276, 372
Dynamite accidents	362, 382
Dynamite in use on Rand, composition of	277
Dynamite Concession	21, 50, 265, 389
Dynamite, cost of (<i>see also</i> Price of)	11, 180, 266
Dynamite, former prices of	21
Dynamite, permits to import	21, 24
Dynamite, price of at De Beers	21, 382, 388, 395
Dynamite, profits on	24, 36, 143, 384, 385, 410, 441, 451, 452
Dynamite, price (sale) of	26, 50, 51, 184, 272, 284, 364, 365, 381, 389, 397, 400, 403, 410, 440, 443, 451
Dynamite, price of, and Nobel's Dynamite Trust	403
Dynamite costs	38, 220
Dynamite, quality of	45, 78, 84, 277, 342, 362, 364, 369, 386, 387, 404
Dynamite monopolists, difficulty of proving specific misdeeds of	50
Dynamite monopolists, right of Government to demand a full account of their businesses from .. .	50
Dynamite Company, Transvaal, and Mr. Hosken	439
Dynamite concession, the present, and Nobel	439, 441
Dynamite factory, Nobel's Glasgow, and Mr. Hosken	438
Dynamite, Nobel's offer to sell, free in bond at Johannesburg at 40s. a case	50, 439, 452
Dynamite, free on board at Hamburg, price of, at the commencement of 1897	50
Dynamite, charges on, from Hamburg to Johannesburg	50
Dynamite, imported (cost), price of	60, 220, 224, 232, 383, 400, 401, 404, 408, 410, 452

INDEX.	707
	PAGE.
Dynamite, expenditure of, and excess cost to the East Rand Proprietary and New Kleinfontein Companies in	96
Dynamite factory in the Transvaal inadvisable	143
Dynamite, reduction of price of	7, 51, 141, 143, 144, 146, 255
Dynamite, Government, the importer of	383, 384
Dynamite, Nobel's price in the Transvaal in 1893	386
Dynamite factory, articles made at	387
Dynamite, Cornish prices for	226, 389, 440
Dynamite materials, imported, preparation of, at the factory	389
Dynamite ingredients, where found	389, 452
Dynamite agency, the Government	409
Dynamite pulp, purchase of	391
Dynamite manufactured per annum, quantity of	381, 395, 405
Dynamite materials, the manufacture of, in the Transvaal	395
Dynamite, comparative expense of importing and manufacturing	277, 396, 408
Dynamite, future importation of, and of raw materials for the same	398
Dynamite manufactured from imported materials, from June, 1894, to October, 1896, quantity of	399
Dynamite, alleged interview with Dr. Leyds in the Paris <i>Temps</i> regarding	50
Dynamite, alleged proposed contract for, between Chamber of Mines and Nobel's at 90s. per case	50
Dynamite contract, failure of concessionaires to carry out	51
Dynamite contract, right of Government to cancel	51
Dynamite monopoly, cost of, to Rand Mines Group in 1896	52
Dynamite, total saving in percentage of working costs by reduction in cost of	52
Dynamite, value in percentages to certain paying and non-paying companies of reduction in ..	52
Dynamite factory, connection of, with Nobel's	59, 391, 411
Dynamite, European price of	59, 65, 284, 383, 387, 388, 389, 393, 398, 400, 403, 409, 412
Dynamite, price of, in foreign countries (not European)	381, 388
Dynamite royalties	66, 284, 291, 390, 410, 441
Dynamite, imported American, price of	66
Dynamite "ring" possible	66
Dynamite "ring," mining industry could defeat	66
Dynamite, free trade in	67, 121, 225, 226, 285, 443
Dynamite, increase of cost of	76
Dynamite and gelatine, comparison of	82
Dynamite, Nobel's Dynamite Trust and the price of	403
Dynamite, prices chargeable for, under the Government contract	381, 395
Dynamite Commission, Volksraad, report of	50, 381, 384, 451
Dynamite No. 1, price of, in Australia, British India, Cape Colony, Rhodesia, and Natal	381
Dynamite, price of, at the El Callao and Columbia Mines, South America	381
Dynamite, American, unsatisfactory experiments in ..	382
Dynamite, price of, in Kimberley	382
Dynamite, price of, in Natal	382
Dynamite materials imported, the quality of	404
Dynamite materials, the "best market" for... ..	405
Dynamite imported, finished and half finished, comparative cost of	405
Dynamite manufactured in the Transvaal, comparative cost of, and of dynamite made of imported half finished goods	406, 407, 411
Dynamite factory, estimated profit of	406
Dynamite, cost of local manufacture	406, 407, 410, 411

	PAGE.
Dynamite, price of in, Bulawayo	411
Dynamite, price of, and the railway rates	51, 407, 408, 412, 453
Dynamite factory, visit of the Industrial Commission of Inquiry to	412, 45 ²
Dynamite, profits on imported	26, 143, 384, 385, 410, 452
Dynamite factory could be built by mining industry	227
Dynamite factory and the mining industry	399
Dynamite, cost of materials for	392
Dynamite, cost of importing materials for in bulk	51, 401, 407, 453
Dynamite, transport charges on, from factory	403
Dynamite monopoly, cancellation of— <i>see</i> dynamite concession, cancellation of.	
Dynamite, American, composition of	226, 232, 394
Dynamite, Government control of the manufacture of	226, 277
Dynamite, former Transvaal price of	389
Dynamite, importation of materials for	227, 287, 383, 384, 389, 396, 401
Dynamite monopoly, State revenue from	287
Dynamite, deaths and losses through	342
Dynamite monopoly and roburite... ..	345
Dynamite, comparative safety of, and of roburite... ..	347
Dynamite, proportionate power of, and of roburite	347
Dynamite, price of, at Barberton	362, 363, 442
Dynamite, price of and transport charges on, at Klerksdorp	372, 373
Dynamite factory, cost of erecting	381, 392
Dynamite, suggested importation of, for Klerksdorp, <i>via</i> Kroonstad	374
Dynamite, Australian price of	372
Dynamite No. 1, Nobel's offer to supply No. 1 at 40s. per case to any part of the Transvaal	442
Dynamite, No. 1, price of, in England	440
Dynamite trade, the	440
Dynamite concessions, the two, and the Convention	441
Dynamite concession, cancellation of the first, and Nobel	439, 441
Dynamite Company, the French, in Paris for the Transvaal and Nobel	442
Dynamite manufacture, the by-products of	442
Dynamite fund, subscription of Neumann & Co. to the	131
Dynamite, cost of, in 1892 on Crown Reef	140
Dynamite, consumption of	12, 66, 395
Dynamite, cost of, in America	46, 242, 247
Dynamite, reduction of cost of— <i>see</i> Reduction of price of,	
Dynamite factory	269, 412
Dynamite agency charges (Mr. Lippert's)	66, 284, 291, 410, 441
Dynamite monopoly	61, 284, 342, 345
Dynamite concession, cancellation of	50, 143, 224, 242, 255, 370, 453
Dynamite, comparative price of, in Transvaal, Orange Free State, and at Kimberley	373
Dynamite, French, price of, at Kimberley	388
Dynamite, the purchase of	385, 390, 392, 398, 402, 404, 405, 408
EASTLEIGH mines, working costs of, March and April, 1897	379
East London, railway rates from, to Johannesburg	97
East Rand Proprietary Mines, cost of transport of natives to, during 1896 and to March, 1897	96
East Rand Proprietary Mines, expenditure of and excess cost to, in dynamite	96
East Rand Proprietary Mines, percentage of railway rates on expenditure of	104

INDEX.										709
										PAGE.
East Rand Proprietary Mines, expenditure of	...	...	...	...	...	...	...	...	...	104
East Rand Proprietary Mines, payment of dividends by	...	...	...	...	...	...	...	...	...	104
Eating houses and the liquor law	...	...	...	...	...	...	...	...	...	103
Eating houses, kaffir	...	...	...	...	...	...	...	...	48, 96, 355,	450
Economic reform required	...	...	...	...	...	...	...	...	...	58
Economic relief, effect of	...	...	...	...	...	...	...	...	...	12
Economy, estimated, to Transvaal population on Netherlands Railway rates and through rates for 1896, with an estimated reduction of 10 per cent. on passenger, and 20 per cent. on goods rates	...	...	...	...	...	...	...	...	...	186, 190
Effect, <i>see</i> Effects										
Elandsfontein, rebates on Johannesburg port (railway) rates...	...	...	...	...	...	...	...	...	...	98
Elandsfontein-Roodepoort line	...	...	...	...	...	...	...	...	...	451
El Callao Mine	...	...	...	...	...	...	...	...	...	213
El Callao Mine, initial working and yield of	...	...	...	...	...	...	...	...	...	213
El Callao Mine, table of results of operations on	...	...	...	...	...	...	...	...	...	214
El Callao Mine, introduction of high grade machinery at	...	...	...	...	...	...	...	...	...	215
El Callao Mine, working costs of	...	...	...	...	...	...	...	...	...	215
El Callao Mine, yield and dividends of	...	...	...	...	...	...	...	...	...	215
El Callao Mine, initial success and subsequent failure of	...	...	...	...	...	...	...	...	...	215
El Callao Mine, white and black wages at	...	...	...	...	...	...	...	...	...	215
El Callao Mine, reduction of working costs on	...	...	...	...	...	...	...	...	...	215
El Callao Mine, negro labour on	...	...	...	...	...	...	...	...	...	215
El Callao Mine, price of dynamite at	...	...	...	...	...	...	...	...	...	381
Employers' liability	...	...	...	...	...	...	...	...	...	301, 448
English benefit societies	...	...	...	...	...	...	...	...	...	173
English aid societies	...	...	...	...	...	...	...	...	...	175
English railways...	...	...	...	...	...	...	...	...	...	191
English railways, profits on	...	...	...	...	...	...	...	...	...	186, 191
English railways, rates— <i>see</i> Rates.										
Enquiry (of Industrial Commission) scope of	...	...	...	...	...	...	...	...	...	1
Equipment, mine, cost of	...	...	...	...	...	...	...	...	...	34, 54
Equipment of railways, cost of, in the United States	...	...	...	...	...	...	...	...	...	283
Equipment, estimated total costs of mines of Witwatersrand Gold Fields	...	...	...	...	...	...	...	...	...	149, 158
Equipment, cost of, of Geldenhuis Deep	...	...	...	...	...	...	...	...	...	208
Equipment, estimated cost of, on deep level mines of 100 and 200 stamps respectively	...	...	...	...	...	...	...	...	...	148
Equipment, cost of, of City and Suburban	...	...	...	...	...	...	...	...	...	206
Equipment, cost of, of Crown Reef	...	...	...	...	...	...	...	...	...	207
Equipment, cost of, of Henry Nourse	...	...	...	...	...	...	...	...	...	205
Equipment, cost of, of Langlaagte Royal	...	...	...	...	...	...	...	...	...	77
Erith, England, comparative cost of living in, and in Johannesburg, and Scranton, North America	...	...	...	...	...	...	...	...	...	158
Evidence, Mr. Hay's	...	...	...	...	...	...	...	...	...	3
Evidence, Mr. Albu's	...	...	...	...	...	...	...	...	...	9, 127
Evidence, Mr. Way's	...	...	...	...	...	...	...	...	...	38
Evidence, Mr. S. Jennings'	...	...	...	...	...	...	...	...	...	44
Evidence, Mr. Fitzpatrick's...	...	...	...	...	...	...	...	...	...	47
Evidence, Mr. Hamilton's	...	...	...	...	...	...	...	...	...	74
Evidence, Mr. Raleigh's	...	...	...	...	...	...	...	...	...	86
Evidence, Mr. Catlin's...	...	...	...	...	...	...	...	...	...	91
Evidence, Mr. Dalrymple's	...	...	...	...	...	...	...	...	...	95

	PAGE.
Evidence, Mr. Goldmann's	104
Evidence, Mr. Lübeck's	141
Evidence, Mr. Seymour's	148
Evidence, Mr. Barrow's	172
Evidence, Mr. Brochon's	178
Evidence, Mr. Brakhan's	182
Evidence, Mr. H. Jennings'	194, 250
Evidence, Mr. Leggett's	240
Evidence, Mr. Johns'	255
Evidence, Mr. Robinson's	263
Evidence, Mr. Pistorius'	282
Evidence, Mr. Noble's	291
Evidence, Mr. Rood's	293
Evidence, Mr. Kock's	294
Evidence, Mr. Fyffe's	299
Evidence, Mr. Middelberg's	240, 310, 432, 433
Evidence, Mr. Thomson's	342
Evidence, Mr. Foote's	348
Evidence, Mr. Brown's	362
Evidence, Mr. Shanks'	365
Evidence, Mr. Denny's	369
Evidence, Mr. Phillip's	381
Evidence, Mr. Hall's	412
Evidence, Mr. Hosken's	430
Evidence, recommendation for publication of	458
Excise duties, English, for 1895	352
Expenditure of East Rand Proprietary Mines	104
Expenditure of companies, statistics of	130
Expenditure of Henry Nourse	130
Expenditure, railway	147
Expenditure of Crown Reef	207
Expenditure, capital of Crown Reef	207
Expenditure of Orange Free State and Transvaal, comparison of	59
Expenditure, monthly, of miner's family on the Rand in groceries	175
Expenditure, total annual, under Pass Law	109
Expenditure, State	59, 61
Expenditure, estimated, of pass office through re-organisation	295
Expenses—see Cost	
Expenses, working—see Costs, working	
Explosives, comparative cost of, at Barberton and on the Rand	369
Explosives, average percentages of cost of, on working costs	51, 452
Explosives, importation of, by the dynamite factory	441
Explosives, free trade in	343, 373, 453
Explosives, cost of	78, 451
Explosives, safe and dangerous	343
Explosives, low power	343
Explosives, safe, introduction of	344
Explosives, nitro-glycerine casualties through	344
Explosives, percentage of working costs to be possibly saved by reducing cost of	51

INDEX.		711
	PAGE.	
Explosives, reduction of cost of	262	
Exports through Cape Colony and Natal in 1896, value and nature of	431	
Expropriation of railway	28, 67, 70, 121, 222, 231, 232, 255, 264, 288, 291, 293, 336, 454	
Expropriation of railway, cost of	186, 190, 336, 337	
Expropriation of railway, cost of, in 1895	58	
Expropriation of railway, importance of	272	
Expropriation of railway, loan for	67, 265, 269, 271, 276	
Expropriation of railway, notice of	336	
Expropriation of railway, more beneficial than reduction of rates alone	276, 282	
Expropriation of railway by Government	58, 323	
Expropriation of railway, the finance of	181, 324	
Expropriation of railway, conditions of	338	
Expropriation of railway, the Johannesburg Chamber of Commerce on	438	
Expropriation of railway, effects of	265, 272, 276, 282	
Expropriation of railway desirable for general population as well as for mining industry	275	
Factory, dynamite	269	
Factory, dynamite, estimated profits of	406	
Factory, dynamite, and the mining industry	399	
Factory, dynamite, articles made at	387	
Factory, cement	69, 284	
Factory, dynamite, could be built by mining industry	227	
Factory, dynamite, establishment of, in Transvaal, under Government control	277	
Factory, dynamite, preparation of imported dynamite and gelatine materials at	389	
Factory, dynamite, visit of the Industrial Commission of Inquiry to	412, 452	
Factory, dynamite, cost of erecting	381, 392	
Factory, dynamite, future price of the	412	
Factory, dynamite, importation of explosives by the	441	
Factories, employment of blacks in	231	
Ferreira Company, reduction of working costs of, since 1892	260	
Ferreira Company's employees and Liquor Law	258	
Ferreira deep level	88	
Ferreira mine, capitalisation of	6, 71	
Ferreira mine coal expenses	256	
Ferreira mine, cost of blasting gelatine at	255, 256	
Ferreira Mine, loss of, through desertions	257	
Ferreira mine, saving through sorting	150	
Ferreira mine, reserve shares of	34	
"Ferreira Raid"	73	
Fine for delay in off-loading at sidings	55	
Fines (under Pass Law), failure of actual system of	96	
Fines, increase of, under Pass Law	109	
Fitzpatrick, Mr., evidence of	47	
Fixed property in Johannesburg, taxation on	293	
Flotations	5, 34, 35, 37, 127, 130	
Flotations, bogus	127, 446	
Flotations, bogus, Chamber of Mines willing to co-operate with Government to prevent	73	
Flotations, bogus, law to prevent	72	
Flotations, Mr. Robinson's	271	

712	INDEX.	
		PAGE
Flour duties	...	284
Flour, railway rates on	...	321
Food, cost of native	...	78
Food supply of great towns	...	181
Food, cost of, to miners in England	...	172
Foodstuffs, amount of, imported	...	286
Foodstuffs, special duties on	...	292
Foodstuffs, import duty on	...	285, 286, 289, 448, 451
Foodstuffs, railway rates on	...	31, 33, 437
Foote, Mr. Samuel, evidence of	...	348
Forced labour in Guatemala	...	371
Forced native labour	...	8, 22, 29, 371
Free trade and concessions	...	239
Free trade and monopolies	...	143
Free trade in explosives	...	343, 373, 453
Free trade in dynamite	...	67, 121, 225, 226, 285, 443
Freight (railway)—see Rates (railway).		
Freights, ocean, on machinery by steamship from New York to South Africa	...	152
Freights, ocean, on goods of all four classes by sailing vessels from London, Liverpool, or Glasgow to East London and Algoa Bay	...	152
Freights, ocean, on machinery, cement, and boilers, etc., by sailing vessels from London to East London and Algoa Bay	...	152
Freights, sea, on rough goods from Chicago to London	...	153
Freights, sea, on rough goods from New York to London	...	153
Freights, sea, on rough goods from New York to San Francisco, <i>via</i> Galveston	...	153
French financiers, views of	...	178
Fuel	...	82
Fuel, cheapness of, on Rand	...	417
Fuel, comparative expense of, on American mines	...	417
Fuel, Madras railway rates for	...	256
Fuel, cost of, at the Langlaagte Royal Mine	...	79
Furniture, prime cost of, and railway rates on a consignment of	...	56
Fuse, cost of, to contract workmen	...	300
Fyffe, Mr., evidence of	...	299
GALVANISED iron, railway rates on	...	321
Gelatine	...	364
Gelatine cost of	...	263, 305, 366, 372, 411
Gelatine, cost of, on Crown Reef in 1897	...	140
Gelatine, cost of, on Henry Nourse in 1892 and in 1897	...	135
Gelatine, cost of, to contract workmen	...	300, 303
Gelatine and roburite	...	348
Gelatine, imported, profits of South African Explosives Company on	...	384, 410, 452
Gelatine, quality of	...	369
Gelatine, cost of, at Klerksdorp	...	373
Gelatine, transport charge on, at Klerksdorp	...	373
Gelatine materials, preparation at factory of imported	...	389
Gelatine, Nobel's price of	...	440
Gelatine, manufacture of, at factory	...	387, 395, 396

INDEX.										713
										PAGE
Gelatine, maximum price for	...	...	...	...	...	...	...	...	...	410
Gelatine materials, importation of	...	...	...	...	...	...	...	...	...	383, 386, 389
Gelatine, composition of	...	...	...	...	...	...	...	...	...	386
Gelatine, comparative expense of manufacturing and importing	...	...	...	...	...	...	...	...	...	396
Gelatine, comparison of, and dynamite	...	...	...	...	...	...	...	...	...	82
Gelatine, cost of, at Ferreira Mine	...	...	...	...	...	...	...	...	...	255, 256
Gelatine cartridges manufactured in Transvaal, or made of imported half finished goods, comparative cost of	...	...	...	...	...	...	...	...	...	405, 406
Geldenhuis Deep	...	...	...	...	...	...	...	...	...	133
Geldenhuis Deep, capital of	...	...	...	...	...	...	...	...	...	73, 208
Geldenhuis Deep, annual yield of	...	...	...	...	...	...	...	...	...	87
Geldenhuis Deep, debenture issue of	...	...	...	...	...	...	...	...	...	208
Geldenhuis Deep, increased yield of	...	...	...	...	...	...	...	...	...	208
Geldenhuis Deep, number of claims of	...	...	...	...	...	...	...	...	...	208
Geldenhuis Deep, cost of equipment of	...	...	...	...	...	...	...	...	...	208
Geldenhuis Deep, initial yield of	...	...	...	...	...	...	...	...	...	208
Geldenhuis Deep, actual and average returns per ton of	...	...	...	...	...	...	...	...	...	151
Geldenhuis Deep, value of rock of	...	...	...	...	...	...	...	...	...	151
Geldenhuis Deep, sorting at	...	...	...	...	...	...	...	...	...	150
Geldenhuis Deep working costs	...	...	...	...	...	...	...	...	...	87, 199
Geldenhuis Deep, salaries of directors and mine officials of	...	...	...	...	...	...	...	...	...	88
Geldenhuis Estate, value of rock of	...	...	...	...	...	...	...	...	...	151
Geldenhuis Estate and "Cowie" contract	...	...	...	...	...	...	...	...	...	355
George Goch location	...	...	...	...	...	...	...	...	...	230
George Goch reserve shares	...	...	...	...	...	...	...	...	...	34
George Goch, dividends of	...	...	...	...	...	...	...	...	...	19
Glen Deep, capital of	...	...	...	...	...	...	...	...	...	72
Gold, discovery of, in California	...	...	...	...	...	...	...	...	...	251
Gold buyers, illicit, special detective force necessary to bring to justice	...	...	...	...	...	...	...	...	...	115
Gold Law	...	...	...	...	...	...	...	...	...	4, 279
Gold Law, Articles 145 and 146 of	...	...	...	...	...	...	...	...	...	116
Gold mining, competition in	...	...	...	...	...	...	...	...	...	28, 429
Gold mining, no monopoly in	...	...	...	...	...	...	...	...	...	28
Gold, percentage of, from Barberton, Klerksdorp, Heidelberg, etc.	...	...	...	...	...	...	...	...	...	195
Gold fields, comparative population of Rand and Californian	...	...	...	...	...	...	...	...	...	251
Gold fields, American, comparison of climate of, with Rand	...	...	...	...	...	...	...	...	...	418
Gold mines—see Mines.										
Gold industry—see Mining industry.										
Gold companies—see Companies.										
Gold fields, relative working costs of United States and Venezuela	...	...	...	...	...	...	...	...	...	216
Gold, taxation of	...	...	...	...	...	...	...	...	...	274, 280, 281
Gold, returns of companies', Chamber of Mines'	...	...	...	...	...	...	...	...	...	119
Gold thefts	...	...	...	...	23, 45, 62, 115, 262, 263, 268, 278, 351, 455					
Gold thefts legislation	...	...	...	...	...	...	...	...	...	116, 223
Gold thefts, difficulty of detecting	...	...	...	...	...	...	...	...	...	49
Gold thefts, discouragement of private persons who assist the police in detecting	...	...	...	...	...	...	...	...	...	49
Gold thefts, prevention of	...	...	...	...	...	...	...	...	...	23, 115
Gold thefts, remedies for	...	...	...	...	...	...	...	...	...	26, 456
Gold thefts, Local Board with representation of the mining industry advisable for administration of matters regarding	...	...	...	...	...	...	...	...	...	49, 110, 116, 184, 268, 278

	PAGE.
Gold thefts, co-operation of Government required to prevent	222, 255
Gold thefts, amount of... ..	23, 49
Gold thefts, City and Suburban, alleged collusion of police	49
Goldmann, Mr. C. S., evidence of	104
Goods, wrong classification of	55
Goods, delivery of	341, 455
Government agents for dynamite	399
Government agent, the	385, 395, 398, 405, 408, 409
Government agent, the, and the purchase of dynamite	390
Government agent, remuneration of	407
Government, co-operation of, necessary to supply white labour	244
Government, co-operation of, necessary to supply native labour	31, 117, 183, 220, 228, 244, 256
Government, co-operation of, necessary to lower white wages	220, 366
Government the importer of dynamite	383, 384
Government required to cancel railway concession	224
Government, lack of confidence between, and the mining industry	223, 233, 236, 273
Government, the, and the South African Explosives Company	400, 402
Government, expropriation of railway possible by... ..	58
Government, request to, to reduce railway rate on rough goods across the Vaal River	374
Government co-operation necessary to remedy the present depression	106
Government, duty of	224
Government, duty of, to encourage white labourers	233
Government, Transvaal, buys its dynamite materials of Nobel	392
Government, wishes of	2, 229
Government share in Netherlands Railway	57, 67, 319
Government, the mining industry and the	237, 370, 420
Government control of South African Colonial railways	328
Government, possible reduction of railway rates by, in conjunction with other South African railways	57, 316
Government royalty on dynamite	66, 284, 390, 410
Government not to blame for maladministration of the Pass Law	278
Government co-operation required to reduce working costs	77, 141, 180, 209, 223
Government has no voice in Netherlands Railway administration	231
Government influence on Transvaal natives	229
Government, inability of, to retain natives of other countries	229
Government, co-operation of, required to prevent gold thefts	222, 255
Government, co-operation of, for supply of native labour from within the Republic required	117, 449
Government, request to, to exercise right of cancellation of dynamite concession	50, 51, 224
Government administration requires to be reformed	428
Government control of manufacture of dynamite	226, 277
Government, advantage of reduction of working costs by	179
Government, action of, to relieve native labour difficulties	8
Government surveys	363, 364
Government, past remissness of, to assist mining industry	127
Government, relations of uitlanders and the	236
Government, right of, to cancel dynamite contract	51
Government has benefited by over-speculation	224
Government can compel reduction of rates on Netherlands Railway	58
Government, attitude of	32

INDEX.								715
								PAGE.
Government, right of, to demand a full account of their business from the dynamite and railway monopolists								50
Government, closer union between, and Legislature and inhabitants of Rand required ...								268, 279
Grade of New Comet and Angelo Mines								104
Grade of Anglo-French Farrar Group of Mines								101
Grahamstown bar, closure of, by the police								49
Grain duties								284
Grievances, effects of redress of								18
Grievances, industrial, of mining industry unsatisfied								127
Grievances, necessity for redress of								30
Grievances uitlander, radical remedy required for								237
Grievances on Rand, causes of								420
Groceries, monthly expenses of miner's family on the Rand for								175
Ground heat, absence of, in mines on Rand								417
Guatemala, forced labour in								371
Gühr impregné, composition of								383, 386
Gühr impregné, imported, profits of South African Explosives Company on ...								143, 384, 385, 410, 452
HALL, Mr. W. H., evidence of								412
Hamilton, Mr. Laurie, evidence of								74
Hay, Mr. James, evidence of								3
Heat in American mines								417
Heidelberg, percentage of gold from								195
Henry Nourse, working costs of								135, 199, 206
Henry Nourse, equipment of								205
Henry Nourse, capitalisation and history of								205
Henry Nourse, average extraction of								206
Henry Nourse, number of claims of								205
Henry Nourse, sorting on								135
Henry Nourse, cost of coal on, in 1892 and in 1897								135
Henry Nourse, cost of gelatine on, in 1892 and in 1897								135
Henry Nourse, expenditure of								130
Henry Nourse, sundry costs of								135
Henry Nourse, white and native wages on, in 1892 and in 1897								135
Henry Nourse, statement of costs of, from 1st January, 1890, to 31st December, 1896 ...								134
Highland mines and mills, U.S.A., wages at								213
Homestake mines and mills, wages at								213
Hosken, Mr. W., evidence of								430
Hosken, Mr. W., and Nobel's Glasgow dynamite factory								438
Hosken, Mr. W., and the Transvaal Dynamite Company								439
Hotels, roadside, abolition of								349
House rent of miners in England								172
House values and railway rates								131
Hungarian miners' wages								371
Hungarian railway rates								146, 147
IMPORT duty on foodstuffs								285, 286, 289, 448, 451
Import duty on machinery								284, 287
Import duty on cement								69, 284, 457

	PAGE
Import duties	131, 284, 293, 442
Import duties, reduction of	278, 414, 442
Import duties on grain and flour	284
Imports, comparison of taxation of, in Central American Republics and in the Transvaal ...	371
Imports, through Cape Colony and Natal, in 1896, value and nature of	431
Income tax undesirable in the Transvaal	281
Industrial advantages derived by the Transvaal from the South African Explosives Company	382
Industrial conditions of the mining industry must be altered	127
Industrial grievances of the mining industry unsatisfied	127
Industrial Commission of Enquiry—see Commission.	
Industries, South African, dependent on mining industry	430
Industries, encouragement of	448
Industry, the—see Mining Industry.	
Inefficiency of detectives	48
Inefficiency of the Head of the Pass Law Administration	50
Inefficiency of Pass Law officials	261
Inefficiency of native labour	219
Inefficiency of inferior white labour	219
Inspection of consignments (on Netherlands Railway) by consignee before signature of receipt	340
Insurances, miners'	301, 305, 306, 308
Installation (of mines), meaning of	78
Interest percentage on issued capital and market value of twenty Rand gold mining companies, table showing	122
Iron, importation of	286
Iron ore, Transvaal, working of	286
Iron concession	86
JENNINGS, Mr. Hennen, evidence of	194, 250
Jennings, Mr. Sydney, evidence of	44
Johannesburg district, proclamation of	294
Johannesburg, illicit sale of liquor in	49
Johannesburg, comparative cost of living in, and at Erith, England, and Scranton, North America	158
Johannesburg district, average number of boys registered under Pass Law in	109
Johannesburg, comparative prices of supplies at Butte, Montana, U.S.A., and at	247
Johannesburg Mercantile Association—see Mercantile.	
Johannesburg Chamber of Commerce—see Chamber.	
Johannesburg, salaries of mine officials in, and in Australia and in the Western States of the United States	150
Johannesburg, cost of living for a draughtsman in the United States, and at	150
Johannesburg water supply	430
John's, Mr., Evidence of	255
John's, Mr., letter and the granting of licences	115
Jumpers Mine, illicit sale of liquor at	48
Jumpers Mine dividends	7
Jumpers Deep, average developing wage per shift of white miner on	149
Jumpers Deep, percentages of costs of, from its commencement to 31st December, 1896	157
Jumpers Deep, percentage of cost of labour, to total costs on	149
Jumpers Deep, statistics of expenses on	149
Jumpers Deep, table of wages on, and on the Crown Reef, and in Montana, Nevada, and British Columbia	157
Jumpers Deep, cost of off-loading at	155

INDEX.		717
		PAGE.
KAFFIR miners, condition of...	...	371
Kaffir eating-houses	... .. 48, 96, 355,	450
Kaffirs, difference between United States negroes and	...	230
Kimberley, comparative price of dynamite in Transvaal, Orange Free State, and at	...	373
Kimberley, price of dynamite at	...	382
Kimberley, price of French dynamite at	...	388
Kimberley railway rates	...	327, 341
Klerksdorp Chamber of Mines and Klerksdorp Chamber of Commerce, statement of	...	373
Klerksdorp roads	...	375
Klerksdorp, labour supply at	...	372
Klerksdorp district: its burdens	...	369
Klerksdorp district, reefs of	...	370
Klerksdorp district, working companies in	...	370, 373
Klerksdorp district, companies of	...	370
Klerksdorp, price of dynamite at	...	372, 373
Klerksdorp, cost of gelatine at	...	373
Klerksdorp prices	...	372
Klerksdorp, suggested connection between, and the proposed new line from Kroonstad to the Vaal River	...	375
Klerksdorp, railway mileage rate on rough and third class goods to station nearest to	...	374
Klerksdorp, percentage of gold from	...	195
Klerksdorp, railway rate from Delagoa Bay to	...	374
Klerksdorp, railway rate from Port Elizabeth <i>via</i> Johannesburg to	...	374
Klerksdorp, railway rate from Port Elizabeth <i>via</i> Vereeniging to	...	374
Klerksdorp memorialists, names of	...	373
Klerksdorp, transport charge on gelatine at	...	373
Klerksdorp, transport charge on dynamite, at	...	372, 373
Klerksdorp, suggested importation of dynamite <i>via</i> Kroonstad, for...	...	374
Knight's Deep, statement of average wages of men working on the shaft of, including the bonus paid, for twelve months to 31st May, 1897	...	94
Koch, Mr., evidence of	...	294
Komati Poort, collection of Customs at	...	324
Krugersdorp district, proclamation of	...	294
Krugersdorp district, average number of boys registered under the Pass Law in	...	109
LA COLUMBIA Mine, South America, price of dynamite at	...	381
Labour	...	447
Labour, duty of a republic to provide	...	233
Labour in 1895 and in 1897	...	102
Labour, cost of, on six mines	...	217
Labour, cost of, in 1895	...	218
Labour costs at Barberton, percentage of, to total working costs	...	366
Labour, native	... 48, 65, 82, 116, 183, 218, 241, 284, 288, 364, 365, 427,	448
Labour, native, railway rates for transport of	...	117
Labour, native, co-operation of Government necessary to encourage	...	220, 228
Labour, native, co-operation of Government for supply of, from within the Republic required	8, 117, 449	
Labour, native, contract system for	...	231
Labour, native, forced	... 8, 22, 29,	371
Labour, native, possible efficiency of	...	219

	PAGE.
Labour, native, transport of	289
Labour, native, cost of transport of 14, 23, 96, 110, 117, 129, 228, 239, 375, 448,	455
Labour, native, principle of bonus system desirable in	427
Labour, native, premiums paid for— <i>see</i> Premiums.	
Labour, native, and the Cape Government	117
Labour, native, cost of 25, 31, 38, 217, 290,	365
Labour, native, inefficiency of	219
Labour, native, quality of	43
Labour, native, reduction of cost of 14, 22, 101, 149,	255
Labour, native, supply of 14, 23, 43, 45, 48, 85, 116, 365,	418
Labour, native, supply of from East Coast	117
Labour, native, scarcity of	60
Labour, native, in 1895 and 1897	102
Labour, native, difficulty at Barberton	363
Labour, native, co-operation of Government necessary to supply 8, 31, 117, 183, 228, 244,	256
Labour, native, statement showing losses of companies on unrecovered premiums paid for ...	118
Labour, native, losses of 16 companies on premiums paid for	110
Labour, native, loss of Langlaagte Company on unrecovered premiums paid for	118
Labour, native, loss of Bonanza Company on unrecovered premiums paid for ..	118
Labour, native, value of experienced	228
Labour, European, statistics of, of 53 companies	119, 120
Labour, forced, in Guatemala	371
Labour, negro, on El Callao Mine	215
Labour, native, cost of supply of 14, 23, 96, 110, 117, 129, 228, 239, 250, 261, 375, 448,	455
Labour, means of attracting	234
Labour, indigenous native, insufficient to meet demand	228
Labour, percentage of costs of, on working costs	35, 41
Labour, percentage of cost of, to total costs in English machinery manufactories	149
Labour, white	232, 447
Labour, white, in California and on Rand	243
Labour, white, co-operation of Government necessary to supply	244
Labour, white, reduction of cost of	85
Labour, white, and black, proportion of	218
Labour, white, contract system in 40, 183, 250, 251, 259, 307	
Labour, white, inefficiency of inferior	219
Labour, white, reduction of, on mines of the Anglo-French Farrar Group	101
Labour supply, white	45, 364
Labour, percentage of cost of, to total costs on the Jumpers Deep Mine	149
Labour, skilled white, scarcity of	42, 45
Labour-saving machines	82
Labour supply at Klerksdorp	372
Labour, reduction in costs of (New Primrose Mine), 1890-1893	76
Labour, reduction in costs of (New Primrose Mine), 1893-1896	76
Labour, table of distribution of, at the different deep-level mines	171
Labour problem, the	415, 429
Labourers, white, duty of Government to encourage	233
Lack of confidence between Government and mining industry 223, 233, 236,	273
Landed property, transfer duty on	292
Langlaagte Block B, effect of 5s. per ton reduction in working costs	271

INDEX.	719
	PAGE.
Langlaagte Estate, effect of 5s. per ton reduction in working costs	271
Langlaagte Estate, desertions at the	268
Langlaagte Estate, losses to, through desertions	268
Langlaagte Estate, loss of, on unrecovered premiums paid for native labour	118
Langlaagte Royal, equipment of	77
Langlaagte Royal, reduction of salaries	81
Langlaagte Royal, cost of fuel	79
Langlaagte Royal, capitalisation per claim	77
Langlaagte Royal working costs	76
Langlaagte Star Mine	273
Large consignments by railway	325
Laws, Transvaal, and the mining industry	128
Laws, administration of, on Rand must be altered	429
Leggett, Mr., evidence of	240
Legislature, closer union between, and inhabitants of Rand and Government required	268
Leyds, Dr., alleged interview with, in the Paris <i>Temps</i> regarding dynamite	50
License of Old Park Bar, Jeppestown	356
Licensed victuallers, sale of liquor to natives by	360
Licensed houses, number of, on reef	355
Licensed premises, vested interests of owners of	361
Licensed and unlicensed liquor dealers, punishments for	357
Licenses, liquor	8, 18, 280
Licenses, liquor, security for obtaining	358
Licenses, liquor, Johannesburg district	351, 449
Licenses, liquor, wholesale abolition of disapproved	450
Licenses, liquor, reduction of	450
Licenses, wholesale and commercial	354, 450
Licenses, no miners', in United States... ..	251
Licenses, billiard	355
Licences, mining claim	241
Licenses, mining claim, in South America	241
Licenses, (diggers') claim and prospecting	19, 24, 281
Licenses, <i>kleurling</i>	349
Licenses, liquor, granting of, and Mr. John's letter	115
Licenses, liquor, transfer of	357, 450
Licenses, Wolhuter claim	241
Licensing Board, the	361
Lingham contract, the	290, 325, 341
Lippert, Mr., shares of, in the South African Explosives Company	409
Lippert, Mr., first dynamite contract of, and Nobel	439
Lippert, Mr., commission of, on dynamite	66, 284, 291, 410, 441
Lippert, Mr., commission of, on detonators	399
Liquor, illicit sale of	48, 280, 289
Liquor, illicit sale of, at City and Suburban Mine	49
Liquor, illicit sale of, at New Heriot and Robinson Mines	48
Liquor, illicit sale of, at New Rietfontein Mine	48
Liquor, illicit sale of, at Jumper's Mine	48
Liquor, illicit sale of, at Wolhuter Mine	49
Liquor, illicit sale of, at Worcester Mine	48

	PAGE.
Liquor, illicit sale of, in Johannesburg	49
Liquor, letter of Mr. de Roos to Commandant van Dam regarding illicit sale of	48
Liquor concessions by mining companies	350
Liquor permits of compound managers to purchase	356
Liquor, forged permits to purchase	356
Liquor Law 3, 4, 44, 48, 65, 86, 96, 129, 184, 219, 267, 278, 348, 376	
Liquor Law (17 of 1896) and the State revenue	352
Liquor Law (17 of 1896) Article 3 of	349
Liquor Law (17 of 1896) Articles 5 and 6 of	349
Liquor Law (17 of 1896) effects of Article 3 of	349
Liquor Law (17 of 1896) Article 17 of	351
Liquor Law (17 of 1896) evil effects of Article 16 of	351
Liquor Law, police supervision under, inadequate	115
Liquor Law good	49
Liquor Law, history of the	129
Liquor Law, repeal of, inadvisable	360
Liquor and eating-houses	103
Liquor Law administration 5, 12, 18, 49, 110, 114, 115, 116, 132, 184, 219, 255, 258, 267, 278, 361, 376, 449	
Liquor Law, suggested amendments to	376
Liquor Law, contravention of, on reef	355
Liquor Law and Ferreira Company's employees	258
Liquor Law, table of returns of 74 companies concerning the administration of	114, 115
Liquor Law, local board representing the mining industry advisable for administration of matters regarding	49, 110, 115, 116, 132, 184
Liquor Law, remedy for maladministration of	278
Liquor Laws, English, Royal Commission on	352
Liquor licenses	8, 18, 280
Liquor licenses, wholesale abolition of, disapproved	450
Liquor licenses, wholesale and commercial	354, 450
Liquor licenses, security for obtaining	358
Liquor licenses, reduction of	450
Liquor licenses in Johannesburg district	351, 449
Liquor licenses, transfer of	357, 450
Liquor question, Commission of Enquiry into	349, 362
Liquor question, compound managers and the	350
Liquor, sale of, to coloured persons	349
Liquor sold to natives, importation of	354
Liquor and mining interests, comparative importance of	362
Liquor dealers, licensed and unlicensed, punishments for	357
Liquor measures stamped for natives	358, 359
Liquor sold to natives, quantity, quality, and price of	354
Liquor duties for 1895, English	352
Liquor trade, vested interests of	354, 360
Liquor trade, contribution of, to State revenue	352
Liquor trade, the Johannesburg Mercantile Association and the	353, 359
Liquor trade, results of freedom of in Holland, Belgium, France, Germany and Italy	351
Liquor, sale of, to natives by licensed victuallers	360
Liquor, sale of, to natives, and mine officials	354

INDEX.	721
	PAGE.
Liquor, total prohibition of sale of, to natives advisable	360
Liquor, sale of, to natives, and mine directorates	356
Liquor traffic, illicit, possibility of abolishing	359
Liquor traffic, illicit, extent of	359
Liquor traffic and the mining industry... ..	348, 352
Liquor traffic, suggestions for better regulation of the	353, 449
Liquor traffic, the	449
Live stock, delay in transit and delivery of, on Netherlands railway	341
Loan for expropriation of railway	67, 265, 269, 271, 276
Loan for public works	274, 280
Local Board, able men required for	50
Local Board, representing the mining interests advisable for administration of Pass and Liquor Laws and matters regarding gold thefts	49, 110, 115, 116, 132, 184, 456
Local self-government	234
Location, another, recommended	376
Location, Buffelsdoorn	230, 376
Locations, George Goch	230
Locations in Venezuela	229
Locations, small allotments preferable to	229
Locations, native	23, 43, 46, 184, 229, 230, 376, 429, 449
Loss and damage, delay in deciding claims for, against Netherlands Railway	339
Loss of goods, liability of Netherlands Railway for	339, 340
Lotteries	292, 457
Lübeck, Mr. Martin, evidence of	141
MACHINERY, railway rates on, on Netherlands railway	148, 221
Machinery railway rates, American, Cape, Natal, and Orange Free State	148, 155, 221
Machinery railway rates, English	221
Machinery, ocean freights, by steamship from New York to South Africa	152
Machinery, cement, boilers, etc., ocean freights, by sailing vessels from London to East London and Algoa Bay	152
Machinery, plant, etc., details of importing cost, <i>via</i> East London, for the Rand Mines, Limited	89
Machinery, high-grade, introduction at El Callao Mine... ..	215
Machinery, manufacture of	221
Machinery, comparative railway rates for	148, 155, 221
Machinery, import duty on	284, 287
Machinery, comparison of prime cost of, delivered on board ship, and when erected on mines	149, 158
Machinery, transit dues on	102
Machinery, purchase of	16, 41, 102
Machinery, railway rates from Delagoa Bay	54
Machinery, mine, in 1895 and in 1897	102
Machinery shipments to Johannesburg—actual cost	156
Machinery, American railway rates over various roads	154
Machines, labour-saving	82
Main Reef mines	17
Management of mines	73, 428
Managers, mine, salaries of	41
Market inflation	182
Market value of companies	130, 199
Market value of twenty Rand companies, table showing interest percentage on	122

	PAGE.
Master and Servants' Act, the	448
Material (mining), expected economies in	149
Mealies, cost of	83
Mealies, cost of transport of, from Durban to New Comet Company	98
Mealies, consumption of	126
Mercantile Association, Johannesburg	289
Mercantile Association, Johannesburg, and the liquor traffic	353, 359
Merchants and the Railway Commissioner	436, 437
Merchants' prices	146
Merchants' trade profits	146, 285
Merchants, trade combination of, and competition	443
Meyer and Charlton Gold Mining Company, flotation of	34
Meyer and Charlton Gold Mining Company, working costs of, for 1896	186, 192
Meyer and Charlton Gold Mining Company, dividends of	19
Michigan mines, comparison of working conditions of, and of Rand Mines	245
Midas East Estate, dividends of	19
Middelberg, Mr., evidence of 240, 310, 431, 432, 433	434, 438
Middelberg, Mr., questions of Johannesburg Chamber of Commerce to... ..	335
Middelberg, Mr., agreeable to a general reduction of railway rates	216
Milling costs on Rand	213
Milling costs of some mines in the United States	213
Milling costs, average, of mines in the United States	74
Mills idle (on mines of the Barnato group)	151
Mills, large, comparative cheapness of	420
Mine officials, miners, and engineers, comparative cost of living of, in California and on the Rand... ..	24, 45
Mine engineers, salaries of	15, 41, 45, 83, 87, 300, 302, 306, 448
Mine officials, salaries of	150
Mine officials, salaries of, in Johannesburg, Australia, and the western States of the United States	354
Mine officials and sale of liquor to natives	307
Mine officials' salaries, comparative amounts of, and of white wages	34, 54
Mine equipment, cost of	421
Mine employees, higher and lower grade, comparative salaries and wages of, on Rand and in Western America	88
Mine officials, salaries of, of Geldenhuis Deep	356
Mine directorates and the sale of liquor to natives	428
Mine managements, close organisation of, necessary	41
Mine managers, salaries of	47, 174
Miner, white, average daily wage of	47
Miner, white, average number of working hours per day of	149
Miner, white, average daily wage of, on developing deep-level mines on Rand	149
Miner, white, average developing wage per shift of, on Crown Reef and Jumpers Deep mines, and in Montana, Nevada, and British Columbia	175
Miner's family, monthly expenses of, for groceries	173
Miner's family, estimate of weekly cost of living of, in England	47, 175
Miner's family, comparative cost of living of, in England and on the Rand	151, 177, 249, 419, 420
Miners, cost of living of, in America and on the Rand	176
Miners, single, board of	175
Miners, importation of	300
Miners, comfort of, on mines	

INDEX.										723
										PAGE.
Miners, white, value of experienced	...	...	...	...	...	...	...	...	...	258
Miners, kaffir, conditions of	...	...	...	...	...	...	...	...	...	371
Miners, competent, scarcity of	...	...	...	...	...	...	...	...	...	42, 45
Miners quarters	...	...	...	...	...	...	...	...	...	300, 303, 448
Miners, dismissal of	...	...	...	...	...	...	...	...	...	301, 302, 309
Miners, voyage expenses of	...	...	...	...	...	...	...	...	...	173
Miners, married and single	...	...	...	...	...	...	...	...	...	177, 232
Miners' insurances	...	...	...	...	...	...	...	...	...	301, 305, 306, 308
Miners, unmarried, number of	...	...	...	...	...	...	...	...	...	119
Miners, wages of—see Wages.										
Miners, white, cost of living of, reducible by Government action	...	...	...	...	...	...	...	...	...	259, 302
Miners, married, quarters of	...	...	...	...	...	...	...	...	...	176, 365
Miners, married, families of, often in Europe	...	...	...	...	...	...	...	...	...	47
Miners, married, average cost of living for	...	...	...	...	...	...	...	...	...	47
Miners, married, number of, with their families absent	...	...	...	...	...	...	...	...	...	119
Miners, married, number of, with their families here	...	...	...	...	...	...	...	...	...	119
Miners, married, comparative higher cost of living of, than of unmarried miners	...	...	...	...	...	...	...	...	...	421
Miners, cost of food to, in England	...	...	...	...	...	...	...	...	...	172
Miners, house rent of, in England	...	...	...	...	...	...	...	...	...	172
Miners, white, failure of reduction of wages of, in India	...	...	...	...	...	...	...	...	...	259
Mines, Witwatersrand, comparative working conditions of, and of American mines in Rocky Mountains and in Pacific Slope States	...	...	...	...	...	...	...	...	...	415
Mines, Association of—see Association.										
Mines, closing down	...	...	...	...	...	...	...	...	...	22, 301
Mines, differential taxation of	...	...	...	...	...	...	...	...	...	274
Mines, heat in American	...	...	...	...	...	...	...	...	...	417
Mines, medium grade outcrop	...	...	...	...	...	...	...	...	...	246
Mines, number of, on Witwatersrand	...	...	...	...	...	...	...	...	...	16
Mines, deep level, of 2,000 or 3,000 feet	...	...	...	...	...	...	...	...	...	252
Mines on Rand, dryness of	...	...	...	...	...	...	...	...	...	416
Mines on Rand, absence of ground heat in	...	...	...	...	...	...	...	...	...	417
Mines, classification of	...	...	...	...	...	...	...	...	...	4
Mines, capitalisation of	...	...	...	...	...	...	...	...	...	22, 71, 126
Mines, American lode, water in	...	...	...	...	...	...	...	...	...	416
Mines, outcrop and deep level, comparative working costs of	...	...	...	...	...	...	...	...	...	252
Mines, dividends of	...	...	...	...	...	...	...	...	...	119, 141, 145, 333
Mines, dividends of in 1896	...	...	...	...	...	...	...	...	...	141, 333
Mines, flotation of	...	...	...	...	...	...	...	...	...	5, 34, 35, 37, 127, 130
Mines, control of	...	...	...	...	...	...	...	...	...	446
Mines, management of	...	...	...	...	...	...	...	...	...	73
Mines of Witwatersrand Goldfields, construction costs and railway rates	...	...	...	...	...	...	...	...	...	158
Mines, non-producing, necessity of development of	...	...	...	...	...	...	...	...	...	121
Mines, consumption of coal by	...	...	...	...	...	...	...	...	...	148
Mines, main reef	...	...	...	...	...	...	...	...	...	17
Mines must all be kept working	...	...	...	...	...	...	...	...	...	179, 266
Mines, dividend and non-dividend paying, differential railway rates for	...	...	...	...	...	...	...	...	...	318
Mines, early development of	...	...	...	...	...	...	...	...	...	201
Mines, dividend and non-dividend paying	...	...	...	...	...	...	...	...	...	17
Mines, American, comparative expense of fuel on	...	...	...	...	...	...	...	...	...	417

	PAGE.
Mines, Witwatersrand, comparative working costs of, and of quartz lodes of American fields	416
Mines, Sunday work on	308
Mines, comparative timbering in Rand and American	416
Mines, milling costs of some, in United States	213
Mines, working costs of	80, 415, 422
Mines, working costs of, and the State revenue	415
Mines, outcrop and deep level, Michigan, U.S.A., comparative working costs of	249
Mines which could pay dividends under improved conditions	25
Mines, different, working conditions of	209
Mines, comparative dividends of, and of Netherlands Railway	20
Mines, gold, comparison of Witwatersrand and other	178, 245
Mining costs—see Costs, working.	
Mining industry, advantages of rich mines to whole	10
Mining industry, industrial grievances of, unsatisfied	127
Mining industry, Pass Law originated by	65, 106
Mining industry, representation of	25, 31, 224
Mining industry, all Transvaal industries dependent on	288
Mining industry, Industrial Commission of Enquiry intends well towards	251
Mining industry is financial and industrial mainstay of country	246, 282
Mining industry, past remissness of Government to assist	127
Mining industry, burdens on the	84, 282
Mining industry, commerce dependent on	285, 286, 447
Mining industry, agriculture and the	285, 372, 419, 420, 430, 431
Mining industry dependent on the goodwill of the Government regarding the railway rates of the neighbouring States	57
Mining industry, payments of the	59
Mining industry and the Government	223, 233, 236, 237, 273, 370, 420
Mining industry, possible expansion of, under favourable conditions	428
Mining industry, liquor traffic and the	352
Mining industry, development of	72, 413
Mining industry could defeat a dynamite “ring”	66
Mining industry, the dynamite factory and the	399
Mining industry, necessity of reforms for	98, 323, 373
Mining industry, law and the	128
Mining industry, the South African Explosives Company and the	393
Mining industry, industrial conditions of, must be altered	127
Mining industry, reduction in working costs made by	77, 260
Mining industry, duty of	2
Mining industry, duty of, towards burgher population... ..	279
Mining industry, duty to reduce working costs	267
Mining industry and railway expropriation loan	276
Mining industry, representation of, at meetings of commissioners of railway systems demanded of Government	57
Mining industry, past representations of, against Netherlands railway rates	322
Mining industry of colony of Victoria	371
Mining industry, South African industries dependent on	430
Mining industry, pastoral interests dependent on	372
Mining industry, liquor trade dependent on	348
Mining industry to be dealt with as a whole	9

INDEX.								725
								PAGE.
Mining Board recommended	...	...	...	...	...	...	...	98
Mining claim— <i>see</i> Claim.								
Mining disasters, information regarding	...	...	...	...	...	...	...	346
Mining and railway companies, distinction between	...	...	...	...	...	...	...	11
Mining question, complexity of	...	...	...	...	...	...	...	446
Mining interests, comparative importance of liquor and	...	...	...	...	...	...	...	362
Modderfontein reserve shares	...	...	...	...	...	...	...	34
Monopolies and free trade	...	...	...	...	...	...	...	143
Monopolists, difficulty of proving specific misdeeds of dynamite and railway	...	...	...	...	...	...	...	50
Monopolists, right of Government to demand a full account of their business from dynamite and railway	...	...	...	...	...	...	...	50
Monopoly, Nobel's	...	...	...	...	...	...	...	226
Monopoly, dynamite, cost of, to Rand Mines group in 1896	...	...	...	...	...	...	...	52
Monopoly, none in gold mining	...	...	...	...	...	...	...	28
Monopoly, railway	...	...	...	...	...	...	...	282
Monopoly, dynamite	...	...	...	...	...	...	61, 284, 342, 345	
Monopoly, dynamite, state revenue from	...	...	...	...	...	...	...	287
Monopoly, dynamite, cancellation of	...	...	...	...	...	50, 143, 224, 255, 370, 453	...	
Montana, U.S.A., average developing wage per shift of white miner in	...	...	...	...	...	...	...	149
Montana, U.S.A., wages in the mines of	...	...	...	...	...	...	...	157
Mount Morgan Mine, working costs of	...	...	...	...	...	...	...	213
Mijnpachts, taxation of	...	...	...	...	...	...	24, 37, 281	
Mysore Company, working costs of	...	...	...	...	...	...	...	213
NATAL Railways	...	...	...	...	...	...	...	189
Natal Railways, position of	...	...	...	...	...	...	...	57
Natal Railways, profits of	...	...	...	...	...	...	36, 68, 316, 335	
Natal Railways, profits of, for 1896	...	...	...	...	...	...	...	57
Natal Railways, estimated interest of, for 1896, with a 10 per cent. reduction in passenger, and 20 per cent. in goods rates	...	...	...	...	...	...	185, 189	
Natal Railways, comparative table of railway rates per ton per mile on	...	...	...	...	...	...	...	311
Natal Railways, coal rate on	...	...	...	...	...	...	...	283
Natal Railways, interest on, for 1896	...	...	...	...	...	...	185, 189	
Natal line, through railway rates on	...	...	...	...	...	...	...	310
Natal, price of No. 1 dynamite in	...	...	...	...	...	...	381, 382	
Natal route, comparative railway mileage rate on rough and third class goods on, and on the Delagoa Bay and Cape routes	...	...	...	...	...	...	...	375
Natal, transit dues in	...	...	...	...	...	...	...	130
Natal and Cape Colony forced to keep up railway rates by Netherlands Railway	...	...	...	...	...	...	...	57
Nationality of mine boys	...	...	...	...	...	...	...	29
Native Commissioners	...	...	...	...	...	...	117, 184	
Native Commissioners, remuneration demanded by, for supply of natives	...	...	...	...	...	14, 23, 65, 85, 261, 262	...	
Native races, improvement of, possible...	...	...	...	...	...	...	...	230
Natives, control of, on goldfields and throughout the Republic	...	...	...	...	...	...	...	297
Natives, Government influence on Transvaal	...	...	...	...	...	...	...	229
Natives, mastership of	...	...	...	...	...	...	...	298
Natives, quality, quantity and price of liquor sold to	...	...	...	...	...	...	...	354
Natives, sale of liquor to, and mine directorates	...	...	...	...	...	...	...	356
Natives, sale of liquor to, by licensed victuallers	...	...	...	...	...	...	...	360
Natives, sale of liquor to, and mine officials	...	...	...	...	...	...	...	354

	PAGE
Natives, stamped liquor measures for	358, 359
Natives, total prohibition of sale of liquor to	351, 360
Natives of other countries, inability of Government to retain (in the Transvaal)	229
Natives, taxation of	29, 117, 129, 230, 231, 375
Natives, transport of	14, 96, 110, 117, 129, 228, 289, 448
Negroes, United States, and kaffirs, difference between	230
Negro labour on El Callao mine	215
Negro in United States, progress of	230
Netherlands Railway returns, 1896-1897	8, 185, 186, 327
Netherlands Railway, regulations of, as to excess goods	56
Netherlands Railway, Dutch control of works of	337
Netherlands Railway, refusal of initialled cheques as payment for railage by..	340
Netherlands Railway, estimated bonus to personnel of, for 1896	320
Netherlands Railway, inspection of consignments by consignee before signature of receipt	340
Netherlands Railway, loss of, only temporary through reduction of rates on coal	52
Netherlands Railway, share of, in coal charges	52
Netherlands Railway, shortage of goods on	341
Netherlands Railway, delay in transit and delivery of live stock on	341
Netherlands Railway, comparative dividends of, and of mines	20
Netherlands Railway, delivery of goods by	87, 341, 455
Netherlands Railway administration	231, 283, 291, 363, 364, 434
Netherlands Railway, percentage of working costs to revenue, for 1894 and 1895	324
Netherlands Railway, "owner's risk"	339, 435, 437
Netherlands Railway a private company	28
Netherlands Railway, proportion of profits to capital	318
Netherlands Railway and Transvaal commerce and agriculture	330
Netherlands Railway, effect of 15 per cent. reduction on passenger and 30 per cent on goods traffic on estimated returns of, for 1896	185, 186
Netherlands Railway, difficulty of legal action against	436, 437
Netherlands Railway, history of concession of, to collect customs	325
Netherlands Railway, surplus of profit of, available for reduction of railway rates	324
Netherlands Railway working costs, reduction of	337
Netherlands Railway, reduction of cost of transport of natives	96
Netherlands Railway, revenue of, from collection of customs	324
Netherlands Railway charges for demurrage	340, 455
Netherlands Railway, Government share in	67
Netherlands Railway control of South African railway rates	68, 69, 317, 326, 328, 333, 335
Netherlands Railway, estimated dividend of, on reduction of rates	328
Netherlands Railway, estimated coal traffic of	317
Netherlands Railway, estimated profit on, after expropriation	186, 190
Netherlands Railway, extent of reduction of (mining) working costs dependent on Government action regarding	58
Netherlands Railway expropriation—see Expropriation.	
Netherlands Railway, dividends of	19
Netherlands Railway, dividends of, for 1895	33
Netherlands Railway, dividend of, for 1896	327
Netherlands Railway a monopoly	27
Netherlands Railway, bonus to personnel of	320, 327
Netherlands Railway debentures, State guarantee of	319
Netherlands Railway, refund of railage on lost goods by	339

INDEX.						727
						PAGE.
Netherlands Railway, authority for regulations of	...	...	...	...	...	339, 436
Netherlands Railway, percentage of profit per ton of coal	...	...	...	...	...	317
Netherlands Railway, percentage of dividends paid to Government in 1895 on capital of	...	...	...	...	...	20
Netherlands Railway, concession, Government required to cancel...	...	...	...	...	...	224
Netherlands Railway, duration of concession of	...	...	...	...	...	337
Netherlands Railway, reduction of railway rates prevented by	...	...	...	57, 123, 321, 331, 432	...	337
Netherlands Railway, three courses open to Government in dealing with	...	...	...	...	...	58
Netherlands Railway, profits of	...	...	4, 30, 33, 36, 56, 57, 315, 321, 333, 334, 335, 337	...	...	319
Netherlands Railway, receipts for 1896	...	...	...	...	...	340
Netherlands Railway, payment for railage in coin on	...	...	...	...	...	341
Netherlands Railway, experience of employees of	...	...	...	...	...	340
Netherlands Railway, receipts for consignments on	...	...	...	...	...	55
Netherlands Railway, further objectionable charges by	...	...	...	...	...	20
Netherlands Railway, capital of	...	...	...	...	...	339
Netherlands Railway, delay in deciding claims for loss and damage against	...	...	...	...	...	335
Netherlands Railway, increased receipts of	...	...	...	...	...	339, 340
Netherlands Railway, liability of, for loss of goods	...	...	...	...	...	321
Netherlands Railway, has sole right of fixing its rates	...	...	...	...	...	57, 319
Netherlands Railway, Government share of profits of	...	...	...	...	...	70, 337
Netherlands Railway, reserve fund of	...	...	...	...	...	314, 319
Netherlands Railway, working costs of	...	...	...	...	...	315, 316, 327
Netherlands Railway surplus of 1896	...	...	...	...	...	315
Netherlands Railway surplus, table of, for 1895 and 1896	...	...	...	...	...	316
Netherlands Railway profits, uncertainty of	...	...	...	...	...	317
Netherlands Railway, estimated coal traffic	...	...	...	...	...	323
Netherlands Railway, revenue per mile	...	...	...	...	...	328
Netherlands Railway, agreements of, with other railways	...	...	...	...	...	330, 334
Netherlands Railway, status of	...	...	...	...	...	331
Netherlands Railway willing to co-operate to reduce through railway rates from ports	...	...	...	...	...	340
Netherlands Railway, use of the Dutch language on the	...	...	...	...	...
Netherlands Railway rates—see Rates.						
Netherlands Railway overcharges	...	...	...	...	...	332
Netherlands Railway European employees, wages of	...	...	...	...	...	332
Nevada, average developing wage per shift of white miners	...	...	...	...	...	149
Nevada, table of wages in, in Montana, in British Columbia, on the Crown Reef, and on the Jnmpers Deep	...	...	...	...	...	157
New Comet Mine, working costs	...	...	...	...	...	101
New Comet Mine, grade of	...	...	...	...	...	104
New Heriot G. M. Co.	...	...	...	...	...	204
New Heriot G. M. Co., capital and claims	...	...	...	...	...	204
New Heriot G. M. Co., illicit sale of liquor at	...	...	...	...	...	48
New Heriot G. M. Co., initial yield and costs	...	...	...	...	...	204
New Heriot G. M. Co., analysis of working costs	...	...	...	...	...	199
New Heriot G. M. Co., development and history	...	...	...	...	...	204
New Heriot G. M. Co., increased capital of	...	...	...	...	...	204
New Kleinfontein, percentage of drunkenness at, since increase of licences	...	...	...	...	...	96
New Kleinfontein, deserters from, from September, 1895, to March, 1896	...	...	...	...	...	96
New Kleinfontein, expenditure of and excess cost to, in dynamite	...	...	...	...	...	96
New Modderfontein G. M. Co., amount and percentages of working costs, from 1st May, 1896, to 31st March, 1897	...	...	...	...	...	137

	PAGE.
New Primrose Mine, working costs	80, 83
New Primrose Mine, comparative working costs, for 1890, 1893, and 1896	75
New Primrose Mine, capitalisation per claim	77
New Primrose Mine, reduction of working costs	83
Nitro-glycerine, explosives casualties through	344
Nobel and the present dynamite concession	439
Nobel and the second dynamite concession	441
Nobel, connection of the Transvaal Dynamite Factory with	59, 391, 411
Nobel, the Transvaal Government buys its dynamite materials from	392
Nobel, roburite and	346, 347
Nobel and Mr. Lippert's first dynamite contract	439
Nobel head office	408
Nobel and Mr. Phillip	387, 409
Nobel and the cancellation of the first dynamite concession	441
Nobel and the French dynamite company in Paris for the Transvaal	442
Nobel and the South African Explosives Company	391, 402
Nobel and the subscribed capital of the South African Explosives Company	442
Nobel, alleged proposed contract for dynamite at 90s. per case between the Chamber of Mines and	50
Nobel's blasting gelatine, price of	440
Nobel's dynamite, price of, in the Transvaal in 1893	386
Nobel's directorate	408, 409
Nobel's offer to sell dynamite free in bond at Johannesburg at 40s. per case	50, 439, 452
Nobel's offer to supply No. 1 dynamite at 40s. per case to any part of the Transvaal	442
Nobel's monopoly	226
Nobel's Glasgow dynamite factory and Mr. Hosken	438
Nobel's Dynamite Trust	342
Nobel's Dynamite Trust, connection of, with the Transvaal dynamite business	59, 391, 411
Nobel's Dynamite Trust and the price of dynamite	403
Nobel's Dynamite Trust, imported dynamite bought from	385, 404
Noble, Mr. A. A., evidence of	291
North Randfontein, closing down of the	304
OFFICIALS (Pass Law) competent, needed	277
Off-loading of coal in bulk	338
Off-loading, costs of	148
Off-loading, cost of, at the Jumpers Deep	155
Off-loading, monthly economy obtainable in, by means of automatic wagons	156
Old Park Bar, Jeppestown, license of	356
Orange Free State Railway rates—see Rates.	
Orange Free State Railways, dispute between, and the Cape Railways	329
Orange Free State Railways, interest on, for 1896	185, 189
Orange Free State Railways, estimated returns of, for 1897, with an estimated reduction of 10 per cent. on passenger and 20 per cent. on goods traffic	185, 189
Ores, easy working, on Rand	417
Ores, American comparative hardness of	417
Osceola outcrop mine, comparative working costs of, and of Atlantic and Allouez outcrop and Tamarack deep level mines	245
Outcrop mines, comparative working costs of, and deep level mines, Michigan, U.S.A.	249
Outcrop mines, comparative working costs of, and of deep level mines	252
Outcrop mines, dryness in	416

INDEX.										729
										PAGE.
Output, increased	..	...	...	...	...	...	...	...	...	271, 281
Over-capitalisation	...	...	...	...	...	12, 72, 145, 238, 285, 290, 291, 415, 446				
Over-speculation	..	...	...	..	...	...	...	...	...	2, 145, 446
Over-speculation, the Government has benefited by				...	...	...	...	...	...	224
Over-valuation of mines in 1895	...	...	..	...	...	...	...	...	...	102
Overcharges (Netherlands Railway)	...	...	...	...	...	...	...	...	...	332
Overtime	...	...	..	...	...	...	...	...	...	308
“Owner’s risk ”	..	...	..	...	...	...	...	...	...	339, 435, 437
Pass Law	...	...	...	...	44, 48, 61, 86, 96, 184, 219, 256, 277, 290, 292, 294, 375, 456					
Pass Law, article 4	...	...	...	...	...	...	...	...	...	295
Pass Law, article 5	...	...	...	...	...	...	...	..	...	295
Pass Law, article 7	...	...	...	..	...	...	...	...	...	295
Pass Law, article 13	...	...	...	...	...	...	...	...	...	295
Pass Law, article 14	..	...	...	...	...	...	...	...	...	296
Pass Law, article 16	...	...	...	...	...	...	...	...	...	296
Pass Law, article 18	...	...	...	...	...	...	...	...	...	296
Pass Law, article 18a	...	...	...	...	...	...	...	...	...	296
Pass Law, article 21	...	...	..	...	...	...	...	...	...	296
Pass Law, article 22	...	...	..	...	...	...	...	...	...	296
Pass Law, article 23	...	...	...	...	...	...	...	...	..	296
Pass Law, article 27	...	...	...	...	...	...	...	...	...	296
Pass Law, article 32	...	...	...	...	...	...	...	...	...	296
Pass Law, article 32a	...	...	...	..	...	...	...	...	...	296
Pass Law administration	48, 49, 61, 63, 65, 103, 109, 118, 219, 255, 257, 260, 267, 277, 278, 285, 290, 294, 297									
Pass Law, administration of, to be given to superintendent of natives					...	...	...	...	...	456
Pass Law, reasons for	...	...	...	...	...	...	...	...	...	106
Pass Law, total number of boys registered under	...	...	...	...	...	...	...	...	...	109
Pass Law, total annual expenditure under	...	...	...	...	...	...	...	...	...	109
Pass Law, total revenue from passes under	...	...	...	...	...	...	...	...	...	109
Pass Law, complaints against made by Association of Mine Managers	...	...	...	...	...	...	...	...	...	257
Pass Law, balance sheet of estimated revenue under	...	...	...	...	...	...	...	..	...	107
Pass Law, increase of fines under	...	...	...	...	...	...	...	...	...	109
Pass Law officials, inefficiency of	...	...	...	...	...	...	...	...	...	261
Pass Law, board to administer	...	...	...	...	...	...	49, 96, 110, 132, 184			
Pass Law, average number of boys registered under, in the Johannesburg district	...	...	...	...	...	...	...	...	...	109
Pass Law, average number of boys registered under, in the Boksburg district	...	...	...	...	...	...	...	...	...	109
Pass Law, average number of boys registered under, in the Krugersdorp district	...	...	...	...	...	...	...	...	...	109
Pass Law, complaints of Chamber of Mines as to	...	...	...	...	...	...	...	...	...	109
Pass Law good	...	..	...	...	...	...	...	...	49, 110, 294	
Pass Law, petition of the Chamber of Mines, and the Associations of Mines, and Mine Managers	...	...	...	...	...	...	...	...	...	258
Pass Law, a chief administrator of, and identical administration in all districts under, necessary	294, 295									
Pass Law administration, inefficiency of the Head of	...	...	...	...	...	...	...	...	...	50
Pass Law, district administration of	...	...	...	...	...	...	...	..	...	261
Pass Law, complexity of	...	..	..	..	..	...	...	...	...	49
Pass Law originated by mining industry	...	...	..	...	...	...	...	..	65, 106	
Pass Law, remedies for administration of	..	...	...	...	...	...	...	...	...	25
Pass Law, special staff of police required for carrying out	...	...	...	...	...	...	...	...	294, 295	
Pass Law, duties of Chief Administrator of	..	...	...	...	...	...	...	...	...	294

	PAGE.
Pass Law, special charge office required for carrying out	295
Pass Law, further complaints of the Association of Mine Managers regarding	258
Pass Law, a staff of warders required	294, 295
Pass Law, amendments required to	133, 292, 294, 295
Pass office, estimated expenditure of, through reorganisation	107, 295
Pass office, reorganisation of	298
Pass office, estimated revenue of, through reorganisation	107, 295
Pass fees, application of	106
Pass fees, State revenue from	133
Pass districts and officials, suggested	107
Pass Commissioner, special appointment of	294
Pass Commissioner with criminal jurisdiction necessary	295
Passes, number of, issued in Johannesburg from April, 1896, to March, 1897	109
Pastoral interests dependent on mining industry	372
Pay—see Wages.	
Payment of railage in coin on the Netherlands Railway	340
Percentage average of costs of explosives on working costs	51, 452
Percentage of railway rates on home cost of rails	100
Percentage of cost of labour on working costs	35, 41, 218
Percentage of cost of labour on total costs in English machinery manufactories	149
Percentage of cost of labour to total costs on the Jumpers Deep	149
Percentage of dividend on the capital of the Netherlands Railway	20
Percentage of drunkenness at the New Kleinfontein Company since the increase of licences	96
Percentage of cost of labour at Barberton to total working costs	366
Percentage of gold from Barberton, Heidelberg, Klerksdorp, etc.	195
Percentage of railway rates on working costs of mines	35, 42, 58, 60
Percentage of railway rates on expenditure of East Rand Proprietary Mines	104
Percentage of charges (railway) on home cost of an air compressor	99
Percentage of working costs, probable saving in, by reduction in the price of coal	52
Percentage of working costs to be possibly saved in reducing the cost of explosives	51
Percentage of working costs to revenue of Netherlands Railway for 1894 and 1895	324
Percentage of working costs, total saving in, by the reduction of the price of coal and dynamite	52
Percentage of white and native wages on working costs of nine shafts	92
Percentage interest on issued capital of 20 Rand companies	122
Percentage interest on market value of 20 Rand companies	122
Percentage of white wages on working costs	60
Percentage of profit per ton of coal on Netherlands Railway	317
Percentage of working costs—see Percentages.	
Percentages of working costs	7, 37, 39, 41, 47, 60
Percentages of working costs of the Crown Reef G. M. Company for 1896	140
Percentages of working costs of the Bonanza G. M. Company, from September to December, 1896	136
Percentages of working costs of the Henry Nourse G. M. Company for 1896	135
Percentages of working costs of the New Modderfontein G. M. Company, from 1st May, 1896 to 31st March, 1897	137
Percentages of working costs of the Wolhuter Gold Mines for 1896	139
Percentages of working costs of the Treasury Gold Mines, for the year ending 31st March, 1897	138
Percentages of working costs of the whole Rand, from the State Mining Engineer's report	200
Percentages of working costs on deep levels	149, 156
Percentages of costs of the Jumpers Deep from its commencement to 31st December, 1896	157

INDEX.	731
	PAGE.
Percentages of excess of cost of living on the Rand over cost of living in American mining camps and cities	421
Percentages of 53 companies on the total amount of gold produced	119
Percentages, value of reductions on coal and dynamite to certain paying and non-paying mines, in	52
Permits for the importation of detonators	441
Permits of compound managers to purchase liquor	356
Permits to import dynamite	21, 24
Permits, forged, to purchase liquor	356
Phillip, Mr. A., evidence of	381
Phillip, Mr. A., and information concerning the importation of dynamite	407
Phillip, Mr. A., and foreign prices of dynamite ... 383, 387, 388, 389, 393, 398, 400, 402, 409, 410, 412	
Phillip, Mr. A., and Nobel	387, 409
Phillip, Mr. A., replies of, to the Industrial Commission	397
Phillip, Mr. A., Mr. Albu's interrogation of	393
Pistorius, Mr. H. F., evidence of	282
Plumas Eureka Mine, U.S.A., working costs of	247
Plymouth Consolidated Mine, U.S.A., working costs of	247
Police, alleged collusion of, in the City and Suburban gold thefts	49
Police, special staff of, required for carrying out the Pass Law	294, 295
Police supervision under Liquor Law inadequate	115
Political rights	234
Political status of uitlanders	235
Politics, social, a problem of : its solution	414
Population, comparative growth of, and of revenue, 1885-1897	58
Population, comparative, of Rand and Californian goldfields	251
Population, Transvaal, sparsity of	230
Population, uitlander, incorporation of	237, 246, 250, 429
Population, possible, of the Central Rand	428
Population, burgher, must be increased	429
Population, burgher, duty of mining industry towards	279
Portuguese railways—see Rates.	
Powder, manufacture of, by the South African Explosives Company	396
Powder manufacture, and importation of materials for	397
Premiums paid for native labour by 34 companies, 1895, 1896, 1896-97	112
Premiums paid for native labour, losses of 16 companies in	110
Premiums unrecovered paid for native labour, loss of Bonanza Company on	118
Premiums unrecovered paid for native labour, statement showing losses of companies on	118
Premiums unrecovered paid for native labour, loss of Langlaagte Company on	118
Pretoria railway conference	338
Price—see also Cost.	
Price (sale) of dynamite ... 26, 50, 51, 184, 272, 284, 364, 365, 381, 389, 397, 400, 403, 410, 440, 443, 451	
Price of dynamite at Barberton	362, 363, 442
Price of dynamite and transport charge at Klerksdorp	372, 373
Price of dynamite in Bulawayo... ..	411
Price of dynamite comparative in Transvaal, Orange Free State, and at Kimberley	373
Price of dynamite and the railway rates	51, 407, 412
Price of dynamite at El Callao and La Columbia Mines, South America	381
Price of dynamite in foreign countries (not European)	65, 388
Price of dynamite, reduction of	7, 51, 141, 143, 144, 146, 255

	PAGE.
Price of dynamite free on board at Hamburg at the commencement of 1897	50
Price of dynamite, European	59, 234, 383, 387, 389, 393, 398, 400
Price of dynamite, Australian	372, 381
Price of dynamite at de Beers	21, 382, 388, 395
Price of dynamite in Natal	382
Price of dynamite and Nobel's Dynamite Trust	403
Price of dynamite, former Transvaal	389
Price, cost, of imported dynamite	66, 220, 224, 232, 383, 400, 401, 404, 408, 410, 452
Price of No. 1 dynamite in England	440
Price of No. 1 dynamite in Australia, British India, Cape Colony, Rhodesia and Natal... ..	381
Price of imported American dynamite	66
Price of Nobel's dynamite in the Transvaal in 1893	386
Price of roburite	343, 347
Price of bricks	289
Price of liquor sold to natives	354
Price of Nobel's blasting gelatine	440
Price of detonators	399, 440
Price of cyanide	143
Price of coal	84
Price of coal at the pit's mouth	52, 148, 155
Price of coal at Barberton	363
Price of coal, saving in percentage of working costs by reduction in	52
Price, maximum, of gelatine	410
Price of an air compressor at English cost price and when delivered in Johannesburg, with extracts of charges	97
Prices, foreign, of dynamite and Mr. Phillip	383, 387, 388, 389, 393, 398, 400, 402, 409, 410, 412
Prices, Cornish, for dynamite	226, 389, 440
Prices of imported cement	69
Prices, European and Transvaal, for cement... ..	284
Prices, comparative, of supplies at Butte, Montana, U.S.A., and at Johannesburg	247
Prices, merchants'	146
Prices, delivery, of coal per ton, possible and actual	52
Prices, Klerksdorp	372
Prices chargeable for dynamite under Government contract	381
Prices of manufactured dynamite in Europe and the Transvaal (<i>see also</i> Price of and European price of)	389
Prime cost and railway rates on a consignment of furniture	56
Prime cost of machinery delivered on board ship and when erected on mines here, comparison of	149
Prime cost, comparison of, and of railway rates on heavy goods	283
Prime costs, comparison of, and of railway charges on Australian goods	55
Princess Estate and G. M. Co., working costs of	186, 193
Privileges for large consignments... ..	325
Procedure of the Industrial Commission of Enquiry, mode of	13
Proclamation of Johannesburg, Boksburg, and Krugersdorp districts	294
Produce, railway rates for	222, 291, 335, 374, 420, 455
Products, Californian, relative value of	222
Profit— <i>see</i> Profits.	
Profits, Netherlands Railway	4, 30, 33, 36, 56, 57, 315, 333, 334, 335, 337
Profits, Netherlands Railway, Government share in	57, 319

INDEX.	733
	PAGE.
Profits, Netherlands Railway, uncertainty of	316
Profits, Netherlands Railway, surplus of, available for the reduction of railway rates ...	324
Profits estimated on Netherlands Railway after expropriation	186, 191
Profits, estimated, of dynamite factory	406
Profits of South African Explosives Company for 1895	390, 406
Profits of South African Explosives Company, State's share of	382, 454
Profits of South African Explosives Company for 1896	401
Profits of South African Explosives Company on imported dynamite	24, 143, 384, 385, 410, 452
Profits of South African Explosives Company on imported gelatine	384, 410, 452
Profits of Atlantic Mine	245
Profits of City and Suburban Mine	206
Profits of Robinson G. M. Co. in 1896	202
Profits of 30 out of 51 producing companies	119, 122
Profits of South African railways	434
Profits of Cape Railways	36, 57, 68, 316, 335
Profits of Natal and Cape Railways for 1896	57
Profits of Natal Railways	36, 68, 316, 335
Profits, railway	4, 36, 57, 68, 316, 335, 434
Profits, railway, excessive contribution of Transvaal trade to	57
Profits, proportion of, to capital, Netherlands Railway	318
Profits, total excessive, of railway systems	57
Profits on English railways	186, 191
Profits on dynamite	24, 36, 143, 384, 385, 410, 441, 451, 452
Profits on the sale of detonators	440
Profits (Netherlands Railway) on the coal traffic	325
Profits put back into mines	209
Profits on present price of dynamite	441, 451
Property, fixed, in Johannesburg, taxation of	293
Property, landed, transfer duty on	292
Prospecting licences	19, 24, 251
Protection Board to prevent gold thefts	268
Public works	181
Public works, loan for	274, 280
RAILROAD—see Railway.	
Rails, percentage of railway rates on the home cost of	100
Rails, cost of, at English cost price, and when delivered in Johannesburg	97, 100
Railway charges and taxation the chief grievances of the mining industry	59
Railway monopolists, difficulty of proving specific misdeeds of	50
Railway monopolists, right of the Government to demand a full account of their business from	50
Railway carriage in 1895 and in 1897	102
Railway companies, comparison of, and of gold companies	27
Railway companies, private... ..	20
Railway companies, distinction between, and mining companies	11
Railway expropriation—see Expropriation.	
Railway profits (see also Netherlands Railway profits)	4, 36, 57, 68, 316, 335 434
Railway profits, excessive contribution of Transvaal trade to	57
Railway dividends	6, 316
Railway dividends for 1895—see Netherlands Railway, dividends of.	

	PAGE.
Railway monopoly	282
Railway principles, State, unsuitable for South Africa	312
Railway situation, the key of the	68, 317, 328, 333, 335
Railway, first, in the United States	251
Railway employees, European, wages of—see Netherlands Railway, etc.	
Railway administration, reforms required in	180
Railway charges—see Rates, railway.	
Railway rates—see Rates, railway.	
Railway working costs, methods of calculating	313
Railway systems, total excessive profits of	57
Railway wagons, special	325, 455
Railway conference at Maritzburg	321
Railway conference at Pretoria	338
Railway competition	27, 28, 333
Railway concession, Government requested to cancel	224
Railway report of the Chamber of Mines	68
Railway revenue and expenditure	147
Railway revenue per mile in Natal, the Cape, India, and the United Kingdom	324
Railway Commissioner and merchants	436, 437
Railways, Cape—see Cape.	
Railways, Portuguese—see Portuguese.	
Railways, American—see American.	
Railways, absorption of European money by	59
Railways, foreign, charges of	16
Railways, foreign, dividends of	20
Railways, foreign, reduced coal rates on	20
Railways, United States—see American.	
Railways, South African—see South African.	
Railways, Natal—see Natal.	
Railways, English—see English.	
Railways, Orange Free State—see Orange Free State.	
Railways, Dutch ownership of	329
Railways, Colonial	68
Railways, continental ownership of	329
Raleigh, Mr., evidence of	86
Rand, advantageous conditions of	194, 418
Rand, cheapness of fuel on	417
Rand, comparison of climate on American goldfields, and on the	418
Rand, absence of ground heat in mines on	417
Rand, easy working ores on	417
Rand mines, comparative timbering in, and in American mines	416
Rand, dryness of mines on	416
Rand, reduction of working costs on, possible	416
Rand, possibilities of mining developments on	413
Rand, comparative cost of explosives at Barberton, and on	369
Rand, comparative wages and cost of living in Scotland, and on	306
Rand, closer union between inhabitants of, Government and Legislature required... ..	268, 279
Rand goldfields, comparative population of, and of Californian goldfields	251
Rand mines, comparison of working conditions of, and of Michigan mines	245

INDEX.		735
		PAGE.
Rand, white labour on, and in California	...	243
Rand, estimated life of	...	195
Rand, railway rates on coal, on	...	148
Rand gold mining companies, dividends of	...	145
Rand, sanitary condition of...	...	418
Rand, causes of grievances on	...	420
Rand, comparative cost of living for miners, mine officials and engineers on, and in California	249, 251,	420
Rand, monthly cost of living of miner's family on the	...	174
Rand, comparative salaries and wages on, and in Western America of higher and lower grade mine employees	...	421
Rand, cost of living in England, and on	...	47, 149
Rand and Californian gold mines, comparative working costs of	...	242
Rand, percentages of excess of cost of living on, over cost of living in American mining camps and cities	...	421
Rand, average working costs of mines on	...	422
Rand, lowness of mine salaries on the	...	157
"Rand Mines"	...	208
"Rand Mines" meeting, speech of chairman at	...	199
Randfontein companies and Pass Law administration	...	257
Randfontein mines, reduction of wages on	...	275, 303
Rate—see Rates		
Rates, railway	6, 10, 19, 35, 36, 54, 57, 69, 86, 97, 143, 155, 184, 221, 240, 256, 285, 363, 374, 454	
Rates, Netherlands Railway	6, 10, 36, 54, 84, 148, 180, 184, 185, 186, 221, 241, 256, 264, 283, 285, 320, 326, 332, 333, 336, 340, 342, 363, 366, 374, 454	
Rates, railway, reduction of	19, 27, 30, 57, 98, 121, 141, 144, 146, 148, 180, 184, 185, 186, 187, 188, 189, 190, 232, 255, 264, 266, 325, 332, 370, 454	
Rates, railway, on heavy goods	11, 54, 56, 87, 99, 100, 101, 123, 153, 154, 311, 312, 321, 332, 374, 375	
Rates, railway, on coal	20, 26, 27, 39, 52, 54, 87, 121, 148, 154, 155, 221, 264, 283, 312, 313, 314, 315, 317, 318, 323, 329, 336, 337, 364, 455	
Rates, Cape Railways	11, 14, 16, 54, 57, 68, 99, 130, 148, 155, 185, 187, 188, 221, 311, 313, 327, 341, 355, 375, 454	
Rates, Natal Railways	11, 16, 54, 55, 68, 97, 148, 155, 185, 189, 221, 311, 374, 375, 454	
Rates, Netherlands Railway, on a consignment of timber and costs f.o.b. of the same	...	56
Rates, Netherlands Railway, increase of, on rough goods	...	123
Rates, Netherlands Railway, Government can compel reduction of	...	58
Rates, railway, on coal, share of Netherlands Railway in	...	52
Rates, Netherlands Railway, effect of 15 per cent. reduction of, on passenger and 30 per cent. on goods on estimated returns for 1896	...	185
Rates, railway, comparative table of, per ton per mile on Cape Railways, and from the ports to Johannesburg	...	311
Rates, railway, American, on coal, in 1892	...	154
Rates, railway, through, on Natal line	...	310
Rates, railway, through, and local, comparison of	...	320
Rates, railway, through, to Rhodesian mines	...	312
Rates, railway, through, from ports, reduction of	...	331
Rates, through, Netherlands Railway share in	...	310, 432
Rates, through, share of State in Netherlands Railway share of	...	311
Rates, Cape Railways, apparent willingness of Cape Railways to reduce	...	57
Rates, through, shares of different railway administrations in, are independent of amount of	...	310
Rates, through, and terminal from Vereeniging to Johannesburg, comparison of	...	54
Rates, Cape Railways, comparative table of, per ton per mile on, and from ports to Johannesburg	...	311

736 INDEX.

	PAGE.
Rates, Natal Railways, comparative table of, per ton per mile on, and from ports to Johannesburg	311
Rates, Netherlands Railway, and through for 1896, estimated economy on, to Transvaal population with an estimated reduction of 10 per cent. on passenger and 20 per cent. on goods' rates	186, 190
Rates, Netherlands Railway, on machinery	148, 221
Rates, Madras Railway, for fuel	256
Rates, Netherlands Railway, expropriation of railway more beneficial than mere reduction of	276, 282
Rates, railway, South African, comparative table of	283
Rates, railway, South African, Netherlands Railway, control of	68, 69, 317, 326, 328, 333, 335
Rates, difference of, on Delagoa Bay and East London routes	310
Rates, railway, on coal from Springs to Krugersdorp	318
Rates, Netherlands Railway has sole right of fixing its	321
Rates, Netherlands Railway, on coal, reduction of, in 1896	323
Rates, Netherlands', "fighting"	326, 332, 333
Rates, railway (Netherlands') conditions for reduction of	334, 336
Rates, Orange Free State Railways, on coal	283
Rates, Orange Free State Railways, with an estimated reduction of 10 per cent. on passenger and 20 per cent. on goods' rates, estimated returns of, for 1897	185, 189
Rates, railway, on coal on American railways	148
Rates, railway (Netherlands), increase of, on rough goods	123
Rates, railway (Cape) reduction of, between Port Elizabeth and Vereeniging in 1895	130
Rates, railway, low, advantageous to railways	21
Rates, railway, comparative, on Indian, English, Belgian, Dutch and German lines	153
Rates, railway, English in 1893	153
Rates, railway, German per ton per mile in 1868, 1878, 1880, 1882, 1884, 1886, 1888, and 1890	154
Rates, railway, American, on machinery over various roads	154
Rates, railway, on goods from Chicago to New York in 1892	154
Rates, railway, standard for coal in the Eastern States of the United States of America	155
Rates, railway (Netherlands), on coal from Springs to the Geldenhuis Deep and the Jumpers' Deep	155
Rates, railway, from Durban, East London, and Delagoa Bay to Johannesburg	97
Rates, railway, percentage of, on the home cost of a consignment of rails	100
Rates, railway, on ten tons of carbon, comparison of and of the home cost of the same consignment	101
Rates, railway, percentage of, on the expenditure of the East Rand Proprietary Mines	104
Rates, railway (Netherlands), and the Government	142
Rates, railway, reduction of, necessary	142
Rates, railway (Netherlands), on coal, economy resulting from reduction of, to 1½d per ton per mile	155
Rates, railway (Netherlands), reduction of, and the State revenue	142, 143, 146
Rates, railway (Netherlands), for produce	222, 291, 335, 374, 420, 455
Rates, railway, percentage of, on the working costs of the mines	35, 42, 58, 60
Rates, railway, in the United States	56, 148, 154, 227, 228, 283
Rates, railway, English, on machinery	221
Rates, Netherlands Railway, on machinery	148, 221
Rates, railway, on machinery, in America, the Cape, Natal, and the Orange Free State	148, 155, 221
Rates, railway, from Delagoa Bay on consignment of galvanized iron, sheet lead, and candles	54
Rates, Netherlands Railway, no allowance made for large consignments	55
Rates, railway, American, on timber sets	56
Rates, railway, on a consignment of furniture, and prime costs of the same	56
Rates, railway, United States, lowness of, in new districts	228

INDEX.	737
	PAGE.
Rates, railway, control of, in the United States	227
Rates, railway, for transport of natives	14, 117, 228, 375, 455
Rates, railway, Hungarian	146, 147
Rates, railway, from the Ports to Johannesburg, Elandsfontein and Boksburg rebates on ...	98
Rates, railway, for coal on Natal Railways	283
Rates, Netherlands Railway, reduction of, to follow expropriation	232
Rates, Cape Railways, estimated reduction of, of 30 per cent. for passenger and 20 per cent. for goods traffic, returns of the three Cape Railways for 1896 on the same ...	185, 187, 188
Rates, railway, on coal differential	121
Rates, Beira Railway	317, 342
Rates, (Netherlands) railway, differential for dividend and non-dividend paying mines ...	318
Rates, (Netherlands) railway, apportionment of surplus following the reduction of	318
Rates, (Netherlands) railway, on coal, 20 per cent. reduction of	322
Rates, railway, local	320, 322, 433
Rates, (Netherlands) railway, possible increase of, against the Cape Railways	322
Rates, (Netherlands) railway, alleged raising of, against the Cape Railways	322
Rates, railway, (Port) Komati, line not to be used to reduce	322
Rates, Netherlands Railway, past representations of the Mining Industry, against	322
Rates, railway, history of present	310
Rates, railway, on galvanised iron and flour	321
Rates, railway, on timber and machinery from Delagoa Bay	54
Rates, (Netherlands) railway, surplus of profit of the Netherlands Railway, available for the reduction of	324
Rates, railway, from Delagoa Bay to Klerksdorp	374
Rates, railway, on rough goods across the Vaal River, request to the Government to reduce ...	374
Rates, railway, mileage on rough and third-class goods to stations nearest to Klerksdorp ..	374
Rates, railway, English, German, and American	155
Rates, railway, and the price of Dynamite	51, 407, 412
Rates, railway, Transvaal and Bechuanaland extension	434
Rates, railway, on foodstuffs	31, 33, 437
Rates, railway, house values, and	131
Rates of Cape Railways, for rough goods	54
Rates, Netherlands Railway, for rough goods from Natal and Delagoa Bay	54
Rates, railway, comparative, from ports to Johannesburg, and to other South African places	311
Rates, railway, comparative table of, per ton per mile, on Cape and Natal Railways, and from ports to Johannesburg	311
Rates, railway, comparative, in England, Holland, and South Africa	323
Rates, railway comparative mileage, on rough and third class goods on the Natal, Cape, and Delagoa Bay routes... ..	375
Rates, Cape and Netherlands Railways, comparison of, for the transport of an air compressor ...	99
Rates (Netherlands), railway, comparison of, and of white wages	23
Rates (Netherlands), railway, reduction of, and increase of traffic	147, 326
Rates, railway, on coal, basis of compilation of	313
Rates (Netherlands), railway, average, per ton of coal	317
Rates (Netherlands), railway, on coal, suggested 30 per cent. reduction of	317
Rates (Netherlands), railway, 30 per cent. reduction of, on entire goods traffic	318
Rates, railway, reduced, on coal, on foreign railways	16, 20
Rates, railway, reduction of, prevented by the Netherlands Railway	57, 123, 321, 331, 432
Rates, railway, lower than actual cost	314

	PAGE.
Rates (Netherlands), railway, possible reduction of, in conjunction with the Government and other South African railways	316
Rates, railway, excess (construction) costs of mines of the Witwatersrand through high ...	158
Rates, railway, reduction of, on all South African lines	326, 455
Rates (Cape), railway, from ports to the Orange Free State	327
Rates (Cape), railway, Kimberley	327, 341
Rates (Netherlands), railway, estimated dividend on reduction of	328
Rates, railway, on coal in Germany	329
Rates, railway, Dutch special	329
Rates, railway, English	329
Rates, railway, low and high	330
Rates, railway, effects of war of	330
Rates, railway, differential, on goods	331, 332, 433
Rates, railway, English, for coal	54, 312
Rates (Netherlands), railway, Mr. Middelberg agreeable to a general reduction of	335
Rates (Netherlands), railway, for rough goods from Vereeniging to Johannesburg	54
Rates (Netherlands), railway, for stock	374
Rates, railway, from Port Elizabeth to Klerksdorp, <i>via</i> Vereeniging	374
Rates, railway, from Port Elizabeth to Klerksdorp, <i>via</i> Johannesburg	374
Rates (Netherlands), railway on coal, loss of Netherlands Railway only temporary through reduction of	52
Rates, railway, from Vereeniging to Johannesburg	19, 249
Rates, railway, from Vereeniging to East London	19
Rates, railway, on coal, in America, and on the Rand, comparison of	148
Rates (Netherlands), railway, on coal transport to Geldenhuis Deep, per ton per mile, comparison of, and of English coal freight	54
Rates, railway, on coal carried for departmental purposes in Orange Free State and Cape Colony	54
Rates, railway, Orange Free State, Natal, and Portuguese, for rough goods	54
Rates, railway, cement	87, 123, 331, 432
Rates (Netherlands), railway, comparison of, and of prime costs on Australian goods ..	55
Rates, Sanitary Board... ..	131, 293
Rate of speed in shaft sinking of Simmer and Jack East Shafts	425
Rebates, Elandsfontein and Boksburg, on Johannesburg port rates	98
Receipts for consignments (on Netherlands Railway)	340
Reconstructions, reasons for	17
Reefs, payable	141
Reefs, Witwatersrand, value of	194, 415
Reefs on Rand, extent and nature	194
Reefs of the Robinson G. M. Co.	202
Reform, sanitary, necessary	429
Reforms, immediate necessity of, for mining industry	98, 323, 373
Refund of railage on lost goods by Netherlands Railway	339
Relief, economic, effects of	
Relief, State	83
Relief, radical, required	224
Relief, increased revenue result of	84
Relief asked for	106, 121, 235, 373
Remedy, radical, for uitlander grievances required	237
Remuneration demanded by Native Commissioners	14, 23, 65, 85, 261, 262
Report, recommendation for publication of	458

INDEX.	739
	PAGE.
Report, unanimous, desirable	444
Report of Industrial Commission of Enquiry ..	443, 444, 445
Report of Volkraad Commission on dynamite ...	50, 384, 451
Report, results of adoption of	458
Representation of mining industry	25, 31, 224
Representation of commerce... ..	25
Representation of mining industry at meetings of commissioners of railway systems demanded of Government	57
Reserve shares	34
Reserve fund of Netherlands Railway	70, 337
Returns, desertion	257
Returns, analytical, of 29 gold companies	195, 196
Returns of the South African Explosives Company for 1896	406
Returns, approximate, of Netherlands Railway, for 1896	185, 186
Returns, estimated, of Netherlands Railway for 1896, effect of 15 per cent. reduction on passenger and 30 per cent. on goods rates of	185, 186, 187
Returns, estimated, of Orange Free State Railways for 1897, with an estimated reduction of 10 per cent. on passenger and 20 per cent. on goods rates	185, 189
Returns of the three Cape Railways for 1896 on an estimated reduction of 10 per cent. for the passenger and 20 per cent. for the goods traffic	185, 187, 188
Revenue, State, and expenditure... ..	61
Revenue, State, from Pass Fees	133
Revenue, railway	147
Revenue, railway, per mile in Natal, the Cape, India, and the United Kingdom	324
Revenue, estimated, under Pass Law, balance sheet of... ..	107
Revenue, State, and the working costs of mines	415
Revenue, estimated, of Pass Office	295
Revenue, State, and Liquor Law No. 17 of 1896	352
Revenue, State, contribution of liquor trade to	352
Revenue, the State, and reduction of railway rates	121, 129, 143, 146, 274, 414
Revenue, State, from dynamite monopoly	287
Revenue accruing to Government through duty on explosives formerly agreed to, and through actual duty, comparison of	51
Revenue, State, comparative growth of, and of population in 1885-1897 ..	58
Revenue, increase of, through industrial relief	84
Revenue per mile of Netherlands Railway	323
Revenue of Netherlands Railway from collection of Customs	324
Revenue, State, sources of	61
Rhodesia, price of No. 1 dynamite in	381
Rhodesian mines, through railway rates to	312
Roads, Barberton	363
Robinson, Mr. J. B., evidence of	263
Robinson, Mr., flotations of	271
Robinson Mine	271
Robinson G. M. Co. capital	6
Robinson G. M. Co., outlay	203
Robinson G. M. Co., reserve ore	203
Robinson G. M. Co., illicit sale of liquor at	48
Robinson G. M. Co., stamps	202

	PAGE.
Robinson G. M. Co., profit of, in 1896	202
Robinson G. M. Co., yield	202
Robinson G. M. Co., working costs	199, 202, 203
Robinson G. M. Co., reefs	202
Robinson G. M. Co., nature of ore	203
Robinson G. M. Co., chlorination plant	203
Robinson G. M. Co., cyanide works	203
Robinson G. M. Co., slimes treatment	203
Roburite	343
Roburite, safety of	343, 345, 346, 347
Roburite, manufacture and transport of	343
Roburite, patent	343
Roburite, price of	343, 347
Roburite, advantages of employment of	343
Roburite, invention of	344
Roburite, why not more used	344
Roburite, Government trials of, suggested	345
Roburite, use of, in Europe	345
Roburite, the dynamite monopoly and	345
Roburite and Nobel	346, 347
Roburite, experimentalists in	346
Roburite, power of	346
Roburite fumes	347
Roburite manner of exploding	347
Roburite, composition of	347
Roburite, comparative safety of, and of dynamite	347
Roburite, proportionate power of, and of dynamite	347
Roburite and gelatine	348
Roburite, unsatisfactory experiments in	382
Rood, Mr. Kare, evidence of	293
Roodepoort United Main Reef, dividends of	19
Rose Deep, capital of	72
SALARIES and wages, comparative, on Rand and in Western America of higher and lower grade	
mine employees	421
Salaries of mine officials	15, 41, 45, 83, 87, 300, 302, 306, 448
Salaries of mine engineers	24, 45
Salaries, average of, of white employees of mines	40
Salaries (Mine), lowness of, on the Rand	157
Salaries of mine managers	41
Salaries, reduction of (Langlaagte Royal)	81
Salaries of directors and mine officials of the Geldenhuis Deep	88
Salaries of mine officials in Johannesburg, in Australia, and in the Western States of the United States	150
Salaries of (mine) directors	300, 448
Salaries of (mine) officials, comparative amounts of, and of white wages	307
Sanitary Board	235
Sanitary Board rates	131, 293
Sanitary reform necessary	429

INDEX.	741
	PAGE.
Sanitary condition of Rand	418
Scotland, comparative wages and cost of living on Rand and in	306
Scranton, North America, comparative cost of living at, and at Erith, England, and at Johannes- burg	158
Secondary treatment of ore	199
Seymour, Mr., evidence of	148
Shaft sinking, rapid, cost of	93
Shaft sinking, speed of	92, 424, 425
Shanks, Mr. W., evidence of	365
Sheba mine boarding houses	365
Shortage of goods on the Netherlands Railway	341
Shutting down of mines	22, 301, 304
Siding of the Violet Consolidated Company	56
Sidings	56, 317, 335, 337
Sidings, construction of	317
Sidings, fine for delay in off-loading at	55
Sierra Buttes Mine, U.S.A., working costs of	247
Simmer and Jack, tonnage crushed at, and at Tamarack mine	245
Simmer and Jack, economy of rapid shaft sinking in three deep level shafts of	425
Simmer and Jack East, statement of average wages of men working on the shaft of, including the bonus paid, for 12 months ending 31st May, 1897	94
Simmer and Jack East, hypothetical comparative cost of three deep level shafts of, on the time wage and the bonus systems respectively	424
Simmer and Jack East, cost and rates of speed in sinking of shafts of	425
Slimes treatment (of Robinson mine)	203
Slimes plant, expense of	149
Social politics, a problem of : its solution	414
Societies, English aid	175
Societies, English benefit	173
Sorting	133, 217, 262
Sorting on the Henry Nourse	135
Sorting on the Crown Reef	140
Sorting at the Geldenhuis Deep and Crown Reef	150
Sorting, saving on the Ferreira mine through	150
Sorting, introduction of	150
Sorting, economy of	150
South African Explosives Company	451
South African Explosives Company, the Government and	400, 402
South African Explosives Company, profits of, for 1896	401
South African Explosives Company, respective positions of, and of Mr. Vorstman	398
South African Explosives Company, manufacture of cartridges by	397
South African Explosives Company, manufacture of powder by	396
South African Explosives Company and the cost of dynamite materials	394
South African Explosives Company and the mining industry	393
South African Explosives Company, capital and formation of	381, 390
South African Explosives Company, dividend for 1895	382, 390
South African Explosives Company, State's share of profits of	382, 454
South African Explosives Company, industrial advantages derived by the Transvaal from the	382
South African Explosives Company, profits of, on imported gelatine and gühr impregné	384, 410, 452

	PAGE.
South African Explosives Company, profits for 1895 of	390, 406
South African Explosives Company, partition of shares of	391, 406
South African Explosives Company, Nobel and the subscribed capital of	442
South African Explosives Company, the non-paid up shares of	441
South African Explosives Company, importation of explosives by	441
South African Explosives Company, expenses of amortisation of capital outlay of	411
South African Explosives Company, Nobel and the	391, 402
South African Explosives Company, profits of the, on dynamite ... 143, 384, 385, 410, 441, 451, 452	
South African Explosives Company, Mr. Lippert's share in	409
South African Explosives Company, share capital of	409
South African Explosives Company, chairman of	408
South African Explosives Company, Pretoria directors of	408
South African Explosives Company, managing director of	408
South African Explosives Company and the Government agency	409
South African Explosives Company, returns of, for 1896	406
South African Explosives Company, the directorate (European) of the	409
South African Explosives Company, profits of, on imported dynamite ... 143, 384, 385, 410, 452	
South African Explosives Company, profits of, on imported gelatine .. 384, 410, 452	
South African Railways, co-operative action of, desirable	325
South African Railways, Colonial, Government control of	328
South African Railways, situation of	328
South African Railway rates—see Rates.	
South African Railways, profits of 4, 36, 57, 68, 316, 335, 434	
Squatter's Law, the	230, 231
Stamps erected and running on the Witwatersrand goldfields in 1896, total number of ...	158, 195
Stamps running on mines of the Barnato group	74
Stamps hung up on mines of the Barnato group	74
Stamps, possible number of, of Barnato group under improved conditions	75
Stamps, total estimated number of, in 1900... .. 75, 81	
Stamps, working number of	81
Stamps, estimated number of, in 1900, on mines of the Barnato group	81
Stamps of the Robinson G. M. Company	202
Stamps, actual number of, on Central Rand	428
Stamps, possible number of, on Central Rand	428
State, share of, in Netherlands Railway, share of through rates	311
State Mining Engineer and Mr. Vorstman, Government agents	399
State Mining Engineer, statistics of	195
State budget and the surplus	142
State's share of profits of South African Explosives Company	382, 454
State relief	83
Statistics, the State Mining Engineer's	195
Statistics of European labour of 53 companies	119, 120
Statistics as to mining industry required	7, 130
Steyn Estate, dividends of	19
Steyn, President, dictum of	246
Stores, New Primrose Mine, reduction in costs of, 1890 to 1893	76
Stores, New Primrose Mine, reduction in costs of, 1893 to 1896	76
Stores, costs of Langlaagte Royal	80

INDEX.	743
	PAGE.
Stores, comparative table of prices for, at the Crown Reef and at the Alaska Treadwell Gold Mining Company	211
Stores, total cost of, per ton milled at the Crown Reef Gold Mining Company	211
Stores, total cost of, per ton milled at the Alaska Treadwell Gold Mining Company ...	211
Stores consumed at the Buffelsdoorn Estate and Gold Mining Company, March and April, 1897	378
Stores, comparative prices of, at Butte Montana, U.S.A., and at Johannesburg	247
Sulphur, Transvaal	401, 402
Sunday work on mines	308
Supply of native labour	14, 23, 43, 45, 48, 85, 116, 250, 261, 365, 418
Supplies—see Stores.	
Surplus, Netherlands Railway, table of, for 1895 and 1896	315
Surplus, Netherlands railway, of 1896, division of	316
Surplus, Netherlands railway, for 1896... ..	315, 327
Surplus, the, and the State budget	142
Surveys, Government	363, 364
Sweepstakes	292, 303, 457
 TAMARACK mine, U.S.A.	244, 248
Tamarack mine, working costs of	244, 249
Tamarack mine, History of	244
Tamarack Mine, dividends	244
Tamarack Mine, comparative working costs of, and of the Atlantic, Allouez, and Osceola outcrop mines	245
Tamarack Mine, working costs of from 1888 to 1894	248
Tamarack Mine, tonnage crushed at, and at the Simmer and Jack Mine	245
Tariff—see Rates (railway)	
Tax, income, undesirable in the Transvaal	281
Taxation	19, 58, 60, 70, 126, 223, 274, 284
Taxation, differential, of mines	274
Taxation of fixed property in Johannesburg	293
Taxation, incidence of... ..	58, 126, 284
Taxation of natives	29, 117, 129, 230, 231, 375
Taxation of mynpachts	24, 37, 281
Taxation of imports, comparison of, in Central American Republics, and in the Transvaal (see also Import duties)... ..	371
Taxation of mining community exceeds margin of profits	58
Taxation of gold	274, 280, 281
Taxation, absorption of European money by	59
Taxation and railway charges, the chief grievances of the mining industry	59
Taxation, remission of... ..	70
Taxation of dividends	280
Taxation, increased native	231
Taxation of whites, indirect	231
Taxation, reduction of	266
Taxes, personal	19
Thomson, Mr. W. C., evidence of	342
Timber, railway rates on, from Delagoa Bay	54
Timber, cost, free on board, of, and Netherlands Railway charges on	56
Timber sets, American railway rates on	56

	PAGE.
Timber, details of importing cost of, <i>via</i> Delagoa Bay ...	89
Timbering, comparative, in Rand and American mines ...	416
Time wage system, bonus system cheaper than ...	426
Time wage, hypothetical comparative cost of three deep level shafts of Simmer and Jack East on bonus system respectively, and ...	424
Time wage and contract work ...	307
Time work ...	251
Tonnage crushed at Tamarack and Simmer and Jack Mines ...	245
Tonnage crushed monthly ...	141
Touts, Rand labour, in England ...	309
Trade profits, merchants' ...	146
Trade, competition in ...	21, 443
Trade combination of merchants ...	443
Trade, Transvaal, excessive contribution of, to railway profits ...	57
Traffic, increase of, and reduction of railway rates ...	147, 326
Transfer duty on landed property ...	292
Transit dues ...	123, 450
Transit dues on machinery ...	102
Transit dues of Transvaal ...	130
Transit dues, Colonial ...	68
Transit dues in Cape Colony ...	57, 130, 325
Transit dues, Natal ...	130
Transit of live stock, delay in ...	341
Transport, actual cost of, per ton per mile on American railways, 1887-1890 ...	154
Transport of goods, cost of, per ton per mile on Cape Railways ...	325
Transport of coal... ...	144, 155, 317, 337
Transport of coal, possible total reduction in cost of ...	148
Transport of coal on American railways in 1892 ...	154
Transport of mealies, cost of, from Durban to the New Comet Company ...	98
Transport of natives, railway (Netherlands) rates for ...	14, 96, 110, 117, 129, 228, 375, 448, 455
Transport of natives, cost of to the East Rand Proprietary Mines during 1896, and to March, 1897 ...	96
Transport of native labour, cost of— <i>see</i> Railway rates for transport of natives.	
Transport charge (of dynamite) at Klerksdorp ...	372, 373
Transport charge (of gelatine) at Klerksdorp ...	373
Transport charges on dynamite from factory ...	403
Trapping system, the ...	358
Treasury Gold Mines, losses of, through desertion in 1896 ...	110
Treasury Gold Mines, amount and pescentages of working costs of, for the year ending 31st March, 1897 ...	138
Trucks, refusal of, at Delagoa Bay ...	340
UITLANDER grievances, radical remedy required for ...	237
Uitlander population, incorporation of ...	237, 246, 250, 429
Uitlanders, political status of ...	235
Uitlanders, control of the personnel of administration by ...	236
Uitlanders, relations of, and of the Government ...	236
United States, cost of living for a draughtsman in, and at Johannesburg ...	150
United States, comparative cost of living in, and on Rand ...	251
United States, salaries of mine officials in Johannesburg, Australia, and in the western States of ...	150
United States, standard railway rates for coal in eastern States of ...	155

INDEX.	745
	PAGE.
VALUE of deep levels	279
Value of Atlantic mine	245
Value, average monthly, of coal delivered at mines	155
Value of Witwatersrand goldfields	127, 194, 415
Value, market, of companies	197, 199
Value of reductions of coal and dynamite in percentages to certain paying and non-paying companies	52
Value, relative, of Californian products	222
Value of imports and exports through Cape Colony and Natal in 1896	431
Vendors' shares	35
Victoria, the Colony of, and its mining industry	371
"Vienna Smash," the	145
Violet Consolidated Company, siding of	56
Vogelstruis Consolidated Deep, losses of, through desertion	110
Vorstman, Mr., Government agent	385, 395, 398, 399
Vorstman, Mr., respective positions of, and of the South African Explosives Company	398
WAGE, Average developing per shift of white miner on the Crown Reef and the Jumpers' Deep mines, and in Montana, Nevada, and British Columbia	149
Wage, average daily, of white miner on Rand	174
Wage, average daily, of white miner on developing deep level mines on Rand	174
Wage, average monthly, of four principal draughtsmen on the Rand and in England	149, 157
Wage, a living	302
Wage, time	307, 424, 426
Wages, white, in 1895	201
Wages, white and black, El Callao mine	215
Wages, white, reduction of	15, 40, 41, 60, 144, 218, 258, 259, 307
Wages, white, in contract work in 1890 and in 1897	259
Wages, white, average	40, 47, 77, 201
Wages, white and native, percentage of, on working costs of nine shafts	92
Wages, white 4, 39, 45, 92, 95, 104, 118, 119, 176, 183, 250, 275, 284, 299, 300, 304, 308, 364, 375, 447, 448	
Wages, white, co-operation of Government necessary to lower	220, 366
Wages, white, percentage of, on working costs	60
Wages, white, and railway rates, comparison of	23
Wages, white, reduction of, not now feasible owing to cost of living	47
Wages, white, uniform rate of	304
Wages, white and native, on the Crown Reef in 1892 and in 1897	140
Wages, white and native, on the Henry Nourse in 1892 and in 1897	135
Wages, kaffir—see Native Wages	
Wages, native	4, 6, 40, 44, 95
Wages, native, reduction of	9, 38, 41, 42, 48, 95, 141, 142, 144, 183, 220, 256, 366, 375, 449
Wages, at Pilgrim's Rest	43
Wages in 1891 and in 1897	102
Wages in 1895 and in 1897	102
Wages, clerks', reduction of, not advisable	158
Wages of single miners	46, 176
Wages of married miners	41, 4
Wages, miners'—see White wages.	
Wages of miners in England	172, 176
Wages of miners in Australia, America, and on the Rand	151

	PAGE.
Wages, miners', difference in, on the Rand and in parts of America	151
Wages on the mines of Montana, U.S.A.	157
Wages on the Comstock mines, Nevada	157
Wages in the mines of British Columbia	157
Wages, miners', in various countries	218
Wages of Hungarian miners	371
Wages, average, of men working on the shaft of the Knight's Deep for twelve months to 31st May, 1897	94
Wages, European, of the Buffelsdoorn Estate and Gold Mining Company, March and April, 1897	377
Wages, average, of men working on the shaft of the Simmer and Jack East, including the bonus paid, for twelve months to the 31st May, 1897	94
Wages, comparative, in Scotland and on the Rand	306
Wages, comparative rate of, in United States and on Rand	251
Wages, white, comparative amounts of, and of mine officials' salaries	307
Wages of European (Netherlands) railway employees	332
Wages, white miners', failure of reduction of, in India	259
Wages, comparative, on Rand and in Western America of higher and lower grade mine employees	421
Wages, table of, in Montana, Nevada, and British Columbia, and on the Crown Reef and Jumpers Deep	157
Wages at the Deadwood Terra Gold Mining Company	213
Wages at the Homestake and Highland mines and mills	213
Wages, cost of living an index to	420
Wages, white, reduction of, on Randfontein mines	275, 303
Warders, a staff of, required	295
Warders for Pass Law, a staff of, required	294, 295
Water in American lode mines	416
Water supply, Johannesburg	430
Way, Mr. E. J., evidence of	38
Wemmer deep level	88
Witwatersrand mines, comparison of, and others	178
Witwatersrand, cost of living for miners in America, and on	151, 419
Witwatersrand mines, comparative working conditions of, and of American mines in the Rocky Mountains and in the Pacific Slope States	415
Witwatersrand mines, comparative working costs of, and of quartz lodes in American fields	416
Witwatersrand mines, regularity of yield of	178
Witwatersrand goldfields, estimated cost of the equipment and development of	158
Witwatersrand, reasons for the inflow of capital into	105
Witwatersrand, discontent of	269
Witwatersrand goldfields, value of	127, 194, 415
Witwatersrand fields, number of stamps on	158, 195
Wolhuter claim licenses	241
Wolhuter Gold Mines, losses of, through desertions in 1895 and 1896	110
Wolhuter Gold Mines, illicit sale of liquor at	49
Wolhuter Gold Mines, amount and percentages of working costs of, for 1896	139
Worcester Mine, illicit sale of liquor at... ..	48
Worcester deep level	88
Worcester mine coal expenses	256
Working hours, average number of, per day of white miner	47
Working conditions in California	249

INDEX.	747
	PAGE.
Working conditions, comparative, of the Witwatersrand mines and of American mines in the Rocky mountains and in the Pacific Slope States	415
Working conditions, improved	270
Working conditions, Klerksdorp	370
Working conditions of different mines	126, 209
Working conditions of mines in 1895 and 1897	102
Working condition of Rand and Michigan mines, comparison	245
Working conditions, of the Alaska Treadwell Gold Mining Company	210
YIELD of Witwatersrand gold mines, regularity of	178
Yield of the Robinson Gold Mining Company	202
Yield, initial, of the New Heriot	204
Yield of the Crown Reef	208
Yield, initial, of the Geldenhuis Deep	208
Yield, increased, of the Geldenhuis Deep	208
Yield of the Deadwood Terra Gold Mining Company	212
Yield of the El Callao mine	213, 215
Yield, annual, of the Geldenhuis Deep	87
ZEILE Mine, U.S.A., working costs of	247