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A 3424 / B 1.17 .2-4
$$

NEWSPAPERS

Press Mining House Control
BRA HE 132 . 5 gar l. 1902
SIvans. to Wernher Bit $4 C 0$
Pukeman had been on the header and resigned + following hin 2 beading journalists o'fhaherly r chamberlain.
started a weakly newspaper.
Palomaw stated that H. Eckotein \& $C 0$ had urged the bo and of the header to remove him from the editorial chair because of hes opposing to Tramway co. in which it.Eckstain + $C_{0}$ had an interest.

Wing furter font ie truce. We avoid taking sates' on purely Fecal questions.

Argus Printina a Publishing Co
formed in $1859.1 H Q$. JHB
Cape Arquea gohemertug Star. [Pictor P 145].

MAWBY p. 356
Whe Zu, cic? vec fomatonc bif




LEADER (TUL) CLOSES.
[SATg june la 15, pS
[pictor $p 98$ says it closed in 1914 in terms of afriendley undurtandip with the Rand Daily Mail.

KaND DAILY MaIL Foundation of
Appeared 23 sept. 1902 [S.A News 26 Sept. 1902 ]
MAWBY p. 356



da by sibo 13:iloy in ä roccue overi.tion, aitcr certain men close to the

Cs e bueinose venturs in its own rime and scems to inve beser disen ojnis



## MAWBY p. 357


minine mon intexeated in them sugcost that the foaner hed concidermblo eaitorial indepencence of the lattor. Little is knom about there rel tions
 son : nut ara Jickoon. (ne inown exchacic lute in 1906 is siguificent,


 "rine wo... [ i, has been run on inde encient lines for the arpoce of



RAND DAILY MAIL.
appeared 22 Sepl. 1902. - aefunct Stardand + Daqees News' Plant Editor Edgar wallace. Horry Freeman cohen hought it [Picton p.98]
recoquses Ware increases of Cand SATU + heaotachus with Emp ere only SATU. mens need apply at R.D.M.
Werge advance $\mid 5-6$ fo per week. [SATJ Nov 19D2, P.12]
1904: news editr Mr. W. Fraser Maughan.) SATJ Febno4, p.6.].

## THE STATE.

Wuch intrrest thronghout Snuth Afrie: has been centred in this new magazine, having for its object the furtherance of the Closer Umion movement. It emanates from the office of the Cape, Times, and in every respect, from a printer's point of view, it is a highly crerlitable production. The articios contained in the publication are not only instractive but very interestingly written, although it would be difficult, no doubt, to find everyone agrecing with the enunciations contained therein.

Writing to the Sunday Times, Johannesourg, on December 20, a correspondent signing himself "Compositor" says:-"Last night I received by the Cape mail a copy of The state that much-bomed magazine subsidised by Mr. Abe Bailey, edited hy mading, candle making, soap boiling, jan Messrs. P. H. Kerr, Lionel Curtis, Howard meonting, dynamite making, can ail be Pim, and Patrick Duncan, and supervised by one cheaper and just as well at the coast, that dashing, diring, dauntless Dutchman, here folk are poorer, and all primary cost Mr, Malan, late of Ons Land. Let me sheaper. If The State is an earnest of confess right away that the magazine is a hat is to be under Closer Union, then let good one It is what it claims Lo bo: an se, in the name of all that is just, follow Mr. organ of the Closer Union Societies. The Wolnaraus rather than Goneral Butha. articles are good, the pictures are exfuisite. and the make-up is something beyond what even the most fastidious in this country could clesire. If there is a big "but," it lies in the fact that The State is a triumphant comme of the verv cause it wais established
to champion. In a word, it is pald tor by Rand money, edited and compiled by IRand mains, and-printed in Capetown! If there is ono argument which stands out against Closer Union in the abstract, it is the red liag of danger hoisted by the Trades Unions and endoraed by Mr. A. D. Wolmarans and many other "tillers of the soil" to the eftect hat if South Africa is amalgamated then arewell to every industry on the Rand, bar he actual work of getting the gold contents rom their native ores! Printing, iron

- Our Johannesi)urg correspondent writes:The State, a new periodical dealing with Closer Union politics, although promoted by Closersvaral money and written in Johannesburg is printed at Capetown, and a recent writer in the Sunday Times states that this writer ine is the strongest argument reguired lact alone is the stification speils ruin to the workers in the Transvaal. I endorse this workers in trast all workers will bear this in mind when the Government appeal to the conutry on the question of closer union. The Transvanl is not resdy for unification or federation. Our industrics-outside mining -are not sufficiently established to enter -are open competition with the coastal incouies. I admit that the cost of administration is ligh, and that unification or federation would have a tendency to reduce this cost. but is not the price we are asked to pay for this reforn a little too high for the benefits we are likely to reccive? In my humble opimion, the better method by which the cost of admmistration should be reduced is by an increase of the productive population of the country, and, taking our own industry as in example, 1 feel positive that if the Transvaal (ioverument adopted a policy of Transvar (rovernay protection of local industries, the produative population of the Transvail would he almost cubblerl during the next three geark. Of course, this would mean a largely increased workers' vote at election time, and, apparently, the Government and mining houses do not want to see this. They desire a reduction in taxation, and evidently mean the workers to pay the piper:

MENSPAEERS: R Rath, CT Herald 1911 .
odited by "ack Gazsson (W and W. P. 31.) coge Toun pinates Stwhe 1911. (Kelled in lst waied (warl)

SUNDAY TIMES
amremcement it goine, to start [SATS Feb 1906 p. 6 ]
appeared 4 Feb 1906 - [ ibid Manch 1906 P. 6
R D.Mal launched it, S.A's Ist Sunday Newrpater [Picton p. 100 ]
$\because$ Newspapers - Maquales Didüt Interfere - hang. - only welkin on centrisurt -
Lang p. 181
not for the last time, the allegedly maqnate-dominated Press had failed to swing an election for the English-speaking interest. The Star. The Transvaal header and the Rand daily Marl. the principal daslies gave solid support to the Progressives. Much political capital was, and would be, made out of the fart that Sarnato's and Eckstein's had interests in the Argus Group which owned The Star, and that Eckstein's had interests in The header through its shareholdings in the Cape Times. The Rand Daily Mail was founded in September 1902 by $H$ rieeman Cohen who had extensive mining interests. It ran into financial difficulties and was acquired by Abe Bailey in a rescue operation in 1905. He soon leased the paper to an independent syndicate of which he was not a member.

In fact, wining houses acquired interests in newspapers, bur did not interfere in the running of them. The Boards, on which they were represented, chose editors with the greatest care, and thereafter gave them a free hand so long as their newspapers yielded a reasonable return on investment, and this approach is current today.

- ilewspusers - Mining Interests show they deal with thew-Phullips.

to Parl much weaker numerically than we ought to be, and on the other expect us to do the impossible thing under those conditions. If we were to have real fisticuffs with the Government in the House, we should be acclaimed by the extremists and damned by the more responsible thinking people, so that it seems we are always ina cleft stick.

I enclose copy of a letter that I have written to McLeod, which ought to make him feel ashamed of having written the article, and you will see in the letter that I have asked him to call on you. Of course I would not dream of keeping the Sunday Post going unless it is going to help us, and anyhow it must before long be made into a paying proposition, or I shall be sick of it. If McLeod does not come and see you I wish you would ask him to call. You might then say your reason for doing so was that I had written to you asking wheter you had done anything in regard to an article, the effect of which, if anything, could only be very damaging to our party.

I think you have a very good case for the platform without getting too much at daggers drawn with the Boers. You can point out a number of things that we prevented and also point to the improvements that we made in Bills that are very much needed by the country. You can face the charge that we do not oppose actively enough, by stating cite clearly that at least half the followers of the party would object to an extreme attitude of athat kind. I have no doubly 1 hat McLeod would lila to do th. light thing, so that if you get in touch with hin, you might ask him to corms and see you from time to time. I do not think it would be good business for a paper like the Sunday Po st to be too violently Unionist, becaust it might interfere with its circu-
lation. The thing is to go slowly and get itself established. Once it has a firm
 a vast difference between being violently partisan and going to the other extreme - being to all intents anc' purposes opposert to us. Anyhow, if Mcteod thinks that by proceedings oo of this sort. he is going to show his independence, I can do rothing until I ccme lack. but we shall soon elter matters then. I think, hovever, it is only stupidity ard not meant in the wrong way, Before we go down mext sessior, we must try and organise something in the shape of better daily comfunication witt the Press.

Coutror \& Pabtictey alvo
Newspapas 1902-see Patheiman
going to stort a weekly newspaper -
listed. appeanay in a foringul
Heeped by o' Flaterty \& Chankelain who ware with him on the header a reagred with him vs. atrelinde adpted by the Boand of the beader

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at wait malesially demmins the propets of the Axgue co
Pakemar statiul that it. Eefistens 460 unged Boand to renove bur froi the editoial chain hecavse of tus oppesithis to the Tramuky $c o$. in which we were interested.

Notung funtion fram wath
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Wankew.
( $1+$.E. file 1312 S.Escans to W. Beit 4 (0, 5 Jon. 1902)

Rand Daily Mail 1905
syndicate by Batsy red owner. procape - aull Modus - Vivende. [HE Evaus lettebook, vol 134, S Evaus to H. Eckstein $17 n_{1} 1905$ ]

Evening Chronicle - editor Taunton.
F.D.P. Chaplin to $5 \times H, 4$ Sept. 1913 .
always who a crank. circulation some 1000 per. day.
 told ow good wutherity that $w$. Imroin who is Joeltsrep. here $t$ who sits with us it the COM has given it v. appmadble fimerened suphotl forsuch people do we have to fight'

Publicily - Press - need for contnd of - purchere TOL. heenden. 1899. Fraser geenes, p. 136 n. 15.

Labour 9 Phthisis - Federation 1913.- usthgation - Publicily. O oerseas 1913
Phthus 1913 * Adverse puhlicity to C.of Olues Ovesceas
state of afours - ie Phthes colled to hadaw by Fed" instiagation of Outhevacte ot - altivat sumpiatur
EChaplai to g M 28 Arug. 1913. MC t99 223).

## LV. Peach The Trossand and is Mines 1906

being a gentleman who had been on

The oldest daily paper in Johannesburg is the Star, an afternoon journal published in three editions. It was started in 1880 by the late Mr. This. Sheffield, formerly of Grahamstown, Cape Colony. The Star has had an uninterrupted career of popularity and success. It is probably the most widely read of any Rand journal, and as an advertisement medium its connection is a large one. The editions vary in form from 12 to 24 pages. The first issue appears at 12.45 midday; the second, or "Reef" edition, at $3.30 \mathrm{p} . \mathrm{m}$.; and the third and last edition is published at $4.45 \mathrm{p} . \mathrm{m}$. The paper is owned by the Argus Company, the editorial offices of the journal being in the same building as the works, which are equipped with modern appliances and plant. A weekly edition is also printer. The political history of this daily paper is full of interest. A staunch upholder of British rights and traditions, it laboured manfully in the uitlander cause prior to hostilities, the editor
the staff of the London Times. It was widely believed that the policy embodied in the Star's leading articles was inspired by the late Mr. Rhodes and the lady then known as Miss Flora Shaw, special colonial correspondent to the London Times. This "fighting" editor, after his enforced departure from the Rand in 1899, held for some time an important position on the staff of the Military Governor of Johannesburg at the time of the British occupation, after which he resumed his editorial duties. The position was filled in 1905 by Mr . Geoffrey Robinson, who had for several years held the appointment of private secretary to Lord Miner in the Transvaal. The circulation of the star is very extensive. A point of interest in its history was its suppression by the Government of the South African Republic for articles written at and in defiance of the administration. During the seven days the interdict lasted the journal was issued daily as usual
under the name of the Comet. The penalty was then withdrawn, and the paper resumed its normal course.

Thus Transcaal Leader succeeded the Johannesburg Times in 1898, under the management of Mr. C. F. King.

The policy of the defunct Johannesburg Times was that of South African ism, as opposed to Krugerism; but the new journal, under its editor,

## cupaAsir The Transwat and its Mines



Mr. R. J. Pakeman-formerly a wellknown journalistic personality in Bar-herton--pursued a policy of such slashing attack on and criticism of the Kruger administration, that it shortly became the most popular uitlander organ on the Rand. In the shortperiod between its first appearance and the declaration of war, this journal worked up a tremendous amount of public excitement. Its premises were raided more thinn once by agents of the boer police, and finally the editor was charged with high treason and placed under arrest. Being released on bail, he ill-advisedly estreated his bail and fled the country, with the connivance of the Government officials, who only desired his departure. With the conclusion of peace the Leader reappeared in Johannesburg, and the first issue on Jume 2nd, 1002, contained news of the signing of the Vereeniging contract, dealing with the terms of the Boer surrender. For a brief
ing columns are of special interest and completeness. The tone of this journal is sober, and as sound in regard to social matters as it is staunch in those political. Its attitude, therefore, is in striking contrast to that adopted prior to the war.

## Newspapeas

## L. $V$ PRAAGII

THE TRANVAaL AND its MINCS

The Trunsvaal Critic, a weekly Johannesburg journal originally founded by Mr. Henry Iless, was for some years a thorn in the side of the officials of the South African Republic, whose lapses from diguity and public honour were unfailingly searehed out, faithifully recorded, and scathingly commented upon. On its re-appearance after the war it pursmed the same policy of faithful dealing with the new administration, and, despite its failure to defend in one particular action for libel, has always received the support

कf the public, who are perpetually in the expectation of some startling expose. The tone of the Critic canstic, its criticisms are most unsparing, and many public scandals both under the old and now regimes have been put under the searehlight liy its agency, and remedied. Needless to remark, it is not what might truly be termed a popular organ in administrative circles, but the 'Transvaal public owes it a debt of gratitude for its courageous action in matters
of public importance. This paper is issued weekly, and follows the custom of the Capetown Owl of presenting with each issue a complimentary "cake" to the perpetrator of the most daring, absurd or public-spirited action during the week belore publication. It is controlled by a syndicate of Johanneshurg business men, and has a large circulation.

Of new papers since the war, the Rand Daily Mail is one of the most successful .Johamesburg journals. It

## PRAAGH THE TRARsval AND its Mines Pgzi3

ferment in other parts of the world Mr. IR. J. Pakeman became editor of the Rand Daily Mail in his place, having given up his appointment on the Transvaal Leader. Ilis position was relinquished towards the close of 1902. Under Mr. Pakeman's control the paper greatly increased in popularity. The journal has continued to flourish and to attract a large class of readers. Its policy is a broad democracy with an Imperial bias, and its columns provide entertaining matter for every section of the community.

The Sunday Times (the first venture in the shape of a seventh-day paper in South Africa) first saw the light in February, 1906. It is a bright and interesting weekly, and contains matter for social, literary, and political entertainment, in addition to latest cable and telegraphic news. The Times is printed by the South African Mails, Ltd., for the Sunday Times Syndicate, Itd., and published by the Central News Agency, Lttl., Johannesburg,


The Rand Ratepayers' Review, which adied a natural death, and the Transvaul Review, which succeeded it, were pro-Boer and negrophile-an amazing combination.

The Daily Express, a new venture produced at the end of 1905 , under the able editorship of Mr. R. J. Pakeman, pursued a policy directed against the mining magnates, particularly on the Chinese question. It had a shortlived existence, suspending with its 84th number, Mr. Pakeman died in July, 1906. Of ladies' papers, the Rand has produced one or two, neither of them very striking or very widely circulated. Finance is represented by the South Alrican Mines, which is edited by Mr. Clem Webb, a wellknown pre-war figure among the reformers. There is also the Licensed Victuallers' Gazette, and one or two church and religious publications which appear monthly.

De Transvaaler, a weekly paper published at Fordsburg, Johannesburg, was started in 1903, the proprietary being Messrs. Hultzer \& Das. The policy of this journal, which is extensively supported-mainly by Duteh subscribers-throughout the Transvaal and also in Rhodesia, British Bechuanaland, and Cape Colony, is on broad South African lines. The editor is Mr. Paul G. II. Das, and the ellitorial offices are in Fordsburg suburb. The journal is printed in the Dutch language.

Control of Pie 35 .
Marlcha

Staft - $1915^{\circ}$

Newopapers Sunday Post 1912
finanaed by h. Plullips ust yet viahle editn Mcheod wrote danaging abrell digtt to he ashaved sud. pronote our intevest

ChPlelleps (handon to FDC - Mumand Clapphin 18 goley 1912 (HA, Plulleps neltenhook.)

Control of Press -
Teeves, Magratay habour, p. 4.

Infrumation on S.A. Diggers * Now - Organ of SAR. Goot-info for Chewhatain. 190) Chamberlain papers JC 13/1/1128-13 Dec. 1901. Memorandum' Evideince respecting Capitialistic Appowinats for (te Reflectio 1 Martchaw (MP fa Mausfeeld)
late gout. pushed interests of haboun it. Cuppital - 'not crowned wilh success?

Correct hang bave too.
Rand Parly Mai - Syndicab - But Baily real owner - $1905^{\circ}$ BRA, HE 134. S.Evano to FiFcitain. 10 guly, 1905 pro cape : anti Modes vibrendi. Editer, Adaunas, v. upsot.

Rand Daily Mail - attitide to hving mhabs. of Rand to approve [Moneypenny resighed 3 Dec. 1902]
(SVaus to Ecksterin, 8 gone 1903, B.R.A, H.E)
Cleanly one attride now is to do everytung possible to bring the mhaborants of the Rand to approue Hermono Ectorienn conclunsias His Excellency's
Yow will see from a leading atticle in today's Daily Mait that that paper has, as Mr. Hanam predelod, recered clearp cevound \& is now fausuving impatation of Astatics

Contol of Press - Heavy adverdunting -
G.ey, p. 463 .
eary to faltion the obsequmous a statte the independent anong pubsications of the country.

Crown Hines singled out.
scurtllows
COM * 'Worker' - Sends Repals to Inspectors of Hives a prommat people -
Evan to $5 \times 4,20$ May 1913.
sensitivity to press eg wanker.
inflamed by what paper unites.
(In other counties nat notice wa be tater of scurribus wipurners in Newspapers of the wanker type.

Inspections - offer pretexts - not when wat ed hers to say.

Daily Express - Pakeman editor - Anti Mining House - July 1905.
BRA, HE 154

- SEvans to E. Eckorein 17 July 1905.

Evans to Sir Julius werner. "Sept. 1905 Palkenan dying.

- pro Boer pro Bund
anti - capitalist - anti mining capital. Evans to f.Edestein, 17 July 1905.

Speak to Order or－Go． dence，mity lo．no．．ne who exhibits anything like inden on－ the fact that durmer the last fow
months，in addition to Mr．Creswell，who was compelled to resign his position on the Village Main Reef Mine immediately aft⿻r his exposure of the real inwardness of the pro－Chinese pol $=y$ of the mine－owners as related above，not less than four Transvaal newspaper editors have also resigned their respectiye positions in consequence of their unwillingness to endorse tye policy of their previous employers－－the mine－owners－namely， Messrs．J．R．Pakeman，Storey，and Monypenny，editors respectively of the Transvaal Leader，the Rand Daily Mail，and the tar，published at Johannesburg，and Mr．J．Scoble，editor of the Pretoria Transvaal Advertiser．A notable addition to the－ foreloing is Mr．Wybergh，late Commissioner of Mines in the Transvaal Administration，who resigned his office because as he expressed it，the mine－owners were exercising far too dreat influence over the Government of the State．

Wroker - Nolert + Inkempenate Newspaper - IXH Pal
Hof A Debates - 13 May 1913, col. 2377

Newspapers
Publicity - Impentonat of Newspar needlessly
...There is, of course no disguising from ourselves the fact that we have handed over to Bailey our two organs for which it is quite true, we get something; still the position /i.e. control/-to that extent- has gone. /Transvaal leader absorbed by Bailey's Rand daily Mail and Sunday Post ceased publication, n.1. p.359/. Syfret, of course, will always consider which side his bread is buttered and as we are very much stronger than Bailey the chances are, under a little pressure, you could always get heme to agree with you. but my impression is that he is pretty thick with Bailey and so, of it ever does come to arbitration as to policy, you will have to bear this ism imind The fact is that we have always treated our press interest much too $1 i^{\text {f }} \mathrm{gtly}$ consiering their importance not only from the financial but from the prestige standpoint.
... whole lot about who should represtne them as press representative and who should be made a director. I am less anxious at the moment to get our full representation on the Cape Times Board the to get the actual majority of the shares because, once we are in that position, we should have less contention to overcome from Syfret than
or other interested parties than we have as mong as they know that the actual majority is not in our hands. As you know, I do not wish to use any power needlessly, but only when a serious case arises...

NICKNAMES
SILICOS(S)

Nicknames.

Phthesir * Terminolagy. - "Rock. Drill Féver"

- Rock
he how calls it Slicosis (coitwright (d), p.
174
Jhave no somace othen kav Canturighs.

Phthisis - Termindogy.
gold dust complaint on the lungs", (Oliver, p.1678)

Names - The 'White Death'. Fromlall in SA. eg RDM, 5' May 1911 ( East Rad)

Warke's Reasansibiely.

White Death - Tol headen II Auq. 190 = Captrow for eistoral

Nahine Reyulatims Act if 194 - morius Prownar for blacks sutfenge Philensis (SAM.R, II NOC 1416, j. 331 i.).

Names: Minevr' Phturis, 'Mineis dureare,' 'miners' deckre', 'fibvoid pliturio'' Haldane Commession, p. 19.

NUMBERS (DRILLS)

TG 2, 1908, p.259. 'exhibit Nol' evidence S.J. Jewnges.

$10 \quad 12 \quad 20-24$
Miners Proper
4 others
operatives

NUHBERS
ener

PANAMA

wander that the miners died like flees from pneumonia． Our natives were made of far better material than those who worked on the Panama Canal，for the former were pro－ bably as healthy and vigorous as any natives to be found anywhere．He was in hopes that the Carammont would take up the marter with scme spirit，but instead of that he had a very discouraging reply from the Minister of Mines．who did not seem to grasp the importance of the ques－ tion．The Minister stated that the De－ partment would look into the marter．Whens

## 30 ＋7

he（JIr，Merriman）heard of a Department looking into anything，his spurits sank，be－ cause he knew that nothing would be done． We should try to obtain one of the most competent men that Col．Gorges could lend lus． $7^{r}$


## ᄃ

 far as ther could make out from the imperfect statistics the death-rate on the Rand was about 28 per thousand. The death rate at Panama was 28 per thousand -.

## 

The hon. member proceeded to refer to figures with regard to Panama, which -were given by Mr. Evans. During the French occupation memen Franama became a $^{\text {Pa }}$ byword in the world, the death-rate was 50 per thousand, while their death rate in certain classes and in certain years had been bigher than that. The death rate of 50 per thousand was sufficient to make Panama a byword in the world. When the Americans took contral in 1007 it was 29 per thousand, which was considered a shocking death rate. It was less than the rate on many of the mines at present. So far as the State was concerned, he would point out that we had mors control over the mines on the Witwatersrand than the Americans had at Panama. A mining man who wrote to him the other day said that the mines were really over-regulated. Almost every week, he wrote, some fresh regulation came out and the managers were so hampered and pestered by these regulations that they could not follow them up. If they tacicled this matter in the way the Americans had tackled Pansma-with the same force, the sume vigour, and in the same way-they would achieve the same results. The Americans had reduced the mortality from 28 per 1,000 to 6.93 per 1,000 . In 1912 there were 12,500 Europeans employed in the anal zome, and their mortality from disease was only 4.6 per 1,000 , while the mortality among the 4,500 women an children ras only 3.85 per 1,000 . If $\mathrm{w} /$, could only get anywhere pear these figure what an achievement that would be. 7

## 3544

$L$ Sir L. PHILLIPS (Yeoville) said zin could not let the debate close withont eny ing a word or two upon the subject-f!?
sonally, he welcomed all the meanuk adopted to reduce the death-rate on 1 th mines. Both from a humanitarian erabici an economic point of view, he thourbt it was desirable that conditions s) ould improved. He was glad that $t$ o Goverm ment had decided to stop the recruiting of tropical natives. It was the ceneral lief that the death-rate was brilig reducent but foas still so high that they were nof justifed in the employment of such labour They must recognise, however, that a good deal had been done, and a good deal whe being done. They were at present awaiting the report of Sir Almroth. Wright In his (Sir L. Phillips') opinion, it was set too early to make a final judgment upog the Act, which had really only beentin operation for one year. knew, everything possible was being dan to do away with dust. As a result of the methods now used, he had no doubf the would find considerable improvement; ${ }^{-1}$ but it would take some time before the frult effects of improvement were known. Whan regard to a statement made by the Minitief of Native Affairs regarding the melical care of natives in compounds, most 烈它 these doctors were devoting their "Whoter time to the wori. This was one of thing matters which he desired to pay attention to when he returned to the Rand. where was no ground, however, for saying jatac there was insufficient medical attention given to the natives in the compounds The doctors employed by him devoted theif whole time to their work. With regarit to tuberculosis. it would, of course, be a, good thing if they could prevent the naliven, pectorating. because a good deal of inf tion arose from that cause.

Continuing. he said he thought it , onond be a good thing if they could have fofer experts who would continually look finle these matters on the Rand. If they जnct? going to have a Commission he hoppl that the Minister would take care-to pice out experts who were neither biassich in
favour of the mines or one particats theory or another-men who would loo $\mathrm{K}_{\mathrm{N}}$ ) the matter from the standpoint of bier able to do the greatest amount of geor He drew attention to the oase Panama Canal, where wonders had Sila: accomplished.

## A LABOUR MEMBER : State arckaili

 tion.Sir L. PHILLIPS (continuing) ard did not think that mattered very niocto * Questic ns of sanitation and such inke sombl be as well tackled by private owners us orf the State. In Panama one of the grogtor, soourges was the fly, and theyidmunce waged war against flies. It would, pertay do a lot of good if they got one of tho Panama experts over hepe; be mighl
H.A. Debates, JXM. Col. 2379, 13 Hay 1913.

Dort lat us $y$ ave the timing up. Just see the want dove on the Panama cone. If.
the Americans had handled the Rand they would have bad it cleansed somehow or other. The Americans made Panama as healthy as any place in the west Indies,
and they did this through the efforts of and they dial man who was giver full power. When the American, Government taRemanything in hand, whether it is Cuba or Panama, it acts, and does or that interest is going to be Affected. We should attack the Rand in the same way, and surely the facts and figures, although we don't know all of them, are such that we should cleanse that place, and try to

Sir T. W. SMARTT (Fort Beaufort) said everyone was sympathetic towards the proposal, for they all deplored that an industry on which the finuncial prosperity of the country largely rested should be asppciated with a heavy loss of life. The co ditions to be dealt with were far more dificult than those which had to be coped wi n on the Panama Canal, for t the latte place the men worked on the surface, and it was found that yellow fever was due to mosquitoes, and all that had to be done was to destroy the bree-ling places of the mosquitoes.




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and rued cofy $1^{15458}$ क for. TV. eforeng t 13990 wnttent semarte.
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 ducs from kenctinmia s.me sin fom 2105 \& 454 .

Yes, a us Arent Latomiors wons undrgromes. Lisis in Panamer a ks dorfane
Ji is 9 līt is mund sminer it affly druibig a remadie zuesemes atore fromes $k=$ belnor..

I An zatien smpater tur Sir C. Dithe, we tes a wogich sind, he pur tom wis vucrain. het tho caoe ornex in to

 with पace on to Cer Auractic uplelitin.
 paits 1 melari, as umquade unajes, and 5 urplein wert infontan io hijstat.



 E 13.v.0q
m: Voruco
Drept letter to sinc. Dilke (frnmysignature) Enfordying the subtitance yod. Crewe's mininte,

$$
\frac{25}{135}
$$

Copy of Cobuct Scelyi, letar attaches.


You mentioned to me tiat you had oritndram
tue question which you nut dom with: re nat to the rolative deatia rates on tie i snd ince and on the Tanarar comal, becames of an alteration mace in your wordin; by two blera at her isloc, but I tink you may like to soe the nnemer onich the lemertirnt had nrotioned to sive. I tiefefore cnclose is cenj of it. You yill notice tat e wro senuins the Istimian benort to stae jranevarl, and no doult they will try to cierire rome gein fromit. Tho circurelarices, however, are, of courr, com otiat different
in the tro cares. inc ai 3 denth rate on ics hred to exiat in panaza wase minly due to malario and otiar
tronical discasen whicis can be corabated by commaratively simle senitary measures. In tre nam tie reat dify 56 ficulty is two nrevalence of nncuronia anonj tac natives wo woris underwoand ancer hot snd den conditione, sua tuca come un above rown into a nerticularly cold ard durity ationnicre. : $1.111,1$ ol courre aree
 and tiat werng dorive unful unsintince fromexnerience el =ewnerc.
rour e very rincerely,

Evans knew all about Mortality whew he went to Panama befere Creswed culled (Evening Chronicle, 17 May 1913) question in Parr.

Public Health - Dealt with by Dept. of Interior.

Reilicist
SILICOS
1910

THAN CURE."

HIXING THE HESPONSIBILITY

The innugural mpeting of the tinion Club Delating Suclets - which Lan at lant born formally cuncifulind-way held lant night in the commodiuan dining hall of the club. Alr. 'Puston, who pre*idell, explatined that this move was the oulcome ol a mevting of the ynunger mataberm lield asom" lition wielan since. I'luey lougnel, he ndilel. tio confing their eloxpurucen io touth African topica, and they mught lom abla the improve the policy of whaturur pmaty way in power hy reamon of their natutral pawition. (Applaume.)
The aubject of leant night's Imbata wha thir follumiag mation by ar. (.. F. Nintlarel, M.1'C.:-
"Thiat the cimb of inmating minera againat plithinis mould bo borne by "mplogers and rmplogers onlg.".
Anything which cuncernod the health of tha miners, mid Mr. Stallard, imrolved the promerity of the induatry, and indirectly the gond of the whole community. Miners' phthisis wae nuch a arourga that if fiemandor immediato treatmint. It wis aumitted twint itha Workman whin met with nit arcidant whould be comperimated by then emploger, and tho embloyer mais him nrrangementa acenodiagly. There liad laen immenag "prowifion to that surinciple when it was Intronlucwd, bitt the Werkman's Compenaation Act had made them familiar with thin drantic prinniple. The threnta and warningy of tha emplogera agniluat the Warkiunn"w Comperation Act were found io be esanmaent and imaginary, and he put it fu them that the thrpals and werninge of the men who ware appomina monpenation to the *ulferers frum minern phthiain would le found aqnantrmament and imaginary. (Applanar.)

Their aim should be prevention rallare
 ventint had failed. The fart wan that the conditous underground whould ise vantly itmproved. Thes had two clanams of inemine to dral with-the empleyern and the smployen. Ontside theseman Lhe Stente, and thie Stento had to derike to Hhwe tan clanawn in taking up the gumiun of preventing miners' phithisia. With which clase should the stato deal in hringing aboul a aydem of presevtion? I'miuentionably with that amplayern. bewause it wne in their power to bring alxout the necromary reforms. It nhoukd in made to the interent of the employera to ptruent this dimeane, lecause this ware the men with the colitrol. This (the emplorera) had the power in present. and the ubligation aluuld ber improaed on thein breauke that was the very lwat way of emoting the carrying out uf the urephanry perventalive meacurax. The radn ahonld bear the incidenre of thie dixamern entailed bir that trade. anal in ruite of all prexentatise mensurpu there wiould be anme iliseare wheh should be compenanted the the arade. The onls way of securing farr comblitions for the men was lye mating The emplower rmponsible for those frir comitiomes. which forluded the acrurity u! hroith. It hawl been arguect that it they monle the emploger linblic for the "hile of the compenination it mould mean that the men mine aubmit in medical peamiinaticia. That wana a ditticulte they had to fnem; hut haw far renidd thin tondonery gop Did they aupjow that if compenation were to le paid and a moctical oxamination held, that a grent number nf minera wofle be thrown nut of "uployment? 'The employere could nut de it. It would maan Hat the mince could not go mat. The arrent bulk nit the miners mont im reinined. liaralaee know men could not bin -liared. Bu-nillea, an amn an a minar was found to hane phthurim the could clam his compensation, aul thern might be a providion-vinilar to that under the urituhb lar-for apreading the compenation orer the employes durink a wiven peried. There who wite at present allterinz nere. howerex: apprinl rines, and to procitide for thim elawi lie ngreed that the Sitatu should make a "peind grnnt. This aperial claim wonld nayer oreur again. breane the whale of the reamonaihility for the. futurn would be ont than antnloyere:
ciutining in the ramen ot tha men whe hal srmptomas of pulmunnry divemen, hire nrekisul that theen mien would not ix. divmisend wholozale wh the mare nuapirimin that they had. or wonld hase mineren phthicin. The time had coma to dial with this queation onn wny or the wther. The nmendment which was (1) Ir put forwers to the effoct that the burien fould be harna by emplorem is well aw ruployerw would only ineram the pertinence of the oblecetions that had limern raised in his propesal. It would then he to the iutereme if Woth the employere and the acneral lxaly of than proploses to axelude the man who showel erniptome of contracting the dienastAzain. thare wax an areament that the Sinta chonld palticipnte ill the enxation: the argind that it wne utharly wrong for the ontaicmernerve to bxe callad ‥zen to pay the detita of the wealtiny minituk Lindustry. (Anplause.)

## DR. AYMARO'S REPLY

Dr. A $y$ matal same thatata beld no briet
 mopited nn impatidal militude, nu: ho bad dealt out blame ibipartially at one fimm to the maynatm, mad at one thue fil the Vosernment. The whject mums Io
 men huw sffectorl; aud, (2) the nueh it he afretml. He admitied that if tha milning honams could agree tu alampent mincon" phetimin they coulal da it. lus thes wonlel umer agree. They would ayren oll any wabject that auital their own purpmen; hut mot on this. Tho
 thin great problem, but of what arthly un was that? fa a ductor who has been duwn the minea areat desi, liw gave it as his opinton that oned? imp uf theap miners were already affertid hy minema' phthwis. II wated whether the niluers wanted comparation ill $m$ way which wuld stop them from working. hut as ho underntond the minar lie wan a partienlarly independent inj: jidual who wan alwayn willing to 'pas hiv whack." They must Jook the guestion in the fave, becauac if the employern werc a addled with the enmjenation they mould makn it their buniname in protect thamselves. They would impurt indentured lahour from the mauth. al Hurope. and theeremen would only bo allowed to cume for a fow years, and thay would he ment burk hefore they put miners' phthinis. 'There were a great many more mouthers Ropopmana nuploged on the minme to-day than they had any inima $a$, and themy werd $n$ curse to this, errintry. They ronill live on es a month and eend the we of their whare home.' Instend of teape.000 being circulaled in the form of wifiay there woald be 290,000 cirenlaind. That could oxiy imprope, the mining jedus. try, but the poop who winis ment Were the Juhaumenburg peopla ihem. melveo. If the industry had to be andllied the induatry would proteot itmelf every time, and the tawn would be medilial wilh a tot of foroign etioer. Proviling every pracertion EE givan, to the minesw to siop the dinawa and they oid rot sea thowe precantions, whe ahoud they or the 8tate preril for thome mum? Ther fould the pmovidme for mea tha Foald at protact thmmeirea. Up to tia prament the pracautiona had not ketn provided. and it mas elearly the dory of the gitate to compopaste the me: in the Iret clase. But for the future the anon monet providn in proportion, to inais arnioge. Ho dapreceted the peemant

un hy Little cliquen and the sooner beto cliquea were dan meny fith the
 ba men abould lo ontitied to and aro aby rinctar they liked. Ito horolore sulamitind the followlar pros. ocale: (1) That if compenation in to to rade to thome at present a Ifroted, thint - If the inge wish it after knowing all s ontaile, then ach ouut lo olequaio nd by the Nitata alone. (2) That in aturn the minern shall themedves prom wle for their rompensation, whetber lin divease lo produced by neylect io 2isfortatio. by compulmory insurance. Wenlat the muing housem aen their way os rentribute mo much the better, but hein wan certainly no moral nuligation on them to do ao, and there would be oo Justime in compulsion. (Applaume.)
Mr. Mathewn wan then next apeake: IVe brinfly reviowed the dangers and evila of the prowent ayatem, and drew a jaraliel with the hivtory of lsritimh manufneturing industries. At one time linane induatriom hadl leen run by child Infour and the cergumant lind beren Mung at thesit that the abolition of child libbur nuuld trean than ruin of the industrize, With rexnel to Dr. Ayraird"n orgunient that mien from Southern Eurcupe would lin irtrortured on contract. he ponitorl caut that it could be preventeal by Irgination. Ifa argued that once they rume mining heallhy the brewt of Britain would come here in nubell their homath here. (Applamsa.) A kood man was alwars wosth hin job-a quection of compenation, up ngainat 200 jere ernt. "ould not liold water. (Laugh. ter and applaume.) A sood miner could make up his coraperaztion to tha cum. pany in a jear Ho urged that the shatine was on the publio that they allowed the employers to lanve the mines in the condition of death \&rapa.
Mr. Lombs maral a farther amend. ment that the componsetion los paid equally by the omployer, the employe nnd the Sitate.
Mr. Ilnman and Mr. TIarrim argued atromgly that the reaponaihility lay with tho Stale.
The further dimeumion of the queation was adjuurncel until tha reat meting of thin kiorempathe date to be fixml lis
ther committer.

Kotze - Soonse or later every waker ulgon these munes will contract minens'phitise". (hancet 2 Dec. 1911, P. 1588 , letter by J.L. Aymand.) Koge to mining engimeus in $g \mathrm{H}_{\mathrm{B}}$


# C.M, AND N. SOCIETY 

DR. AYMARD ON MNE DUST

POLITICAL DELAYS

THE EPPECT OF MINE GASES

Dr. J. L. Asmant replind to the diacum aiuo apon his pajer "The Jine llual l'roblem" as haturifig arriting ne a large mepting of tha Chemical. Melallurgical and Mining Socimy. held at the limivar. aity College, Jubanuenturg. Mr. Mor proaiding.
Among other thinge. Dr. Agmard pointed to the fact that there yu prame tical trmatio upuin rentilation of the Witwaterarand geld minen in existence. lu creedima. Dr. Aymarll bild: "Advanced medical work in thim nuhjert can only bo uaderiation br thime whu hare accosen to a wrill expripped laturatury and whe are numeinlir lirenurd to experiauent on anitanis. and until that work him leren undertuken. I fenr it wuld he unly waven of time to try and elamerute the physical agmpeoms. 'ipen whe poust alone 1 wnuld like tn malin a satcmmet, breause it is one Which han gut auch an axtenaive hald. not unly upon problugea, lut emplayera and even medical men. It in an wh whather mine gayma have any perman--at eftect apon a miner'y healih. I unhevitatingly stato that in my opmion auch rame hare no permanent of oot ujou the miner whatover."
"My loug connection with mines Where no drills wero vard," he proceeded. "but where the hard dolomite involrad the extunsive une of ex. planives, Imada me to the mnclusion that no more heallihy body of minera wern to be found under thme conditions. The anarmia which onc ma oftan acmo on theeo fields wan conopicuous by its alsence. I therefne give my ungualifical opinina that the gave produced by blating aro in no way permanently detrimental either directly or indirectr to the health of the miner. The arpirment that iu combination with the duat permanent damaze rayy enaue han no facs to support it. Yr. llilliek Smith han vary hindly supplied me with meveral rate from shm Perreira Gold Mina. The really old lady whoms skin 1 hase here, and upen whrem age I whall be gled if anr member will onlighten me, ghows little mign of an abnormal lung oondition. nor nave 1 fousd apeaker here produced a rat akin).

WFY TUBEReunays ?
"I have nof reforted to tha Phthisin Bill, becwuse it is of eacondary conaidaration to the queation of preventiun. onw that it has been pootponed inder nitaly. Miness' phthisia in preventible diances, and beara ralation to any gencral inaurance grlirme, and Ithink it in a pity that Mr. Phillip doen mot drop the comnaction. General lanurance can wait, hut minera' phthimin ennnot. Why toberculonin is to be included in the Miners' Pbihisia Bill I fail to eee. m in my opinion the onnnection is only incidental and not in any way ralated by cause or effict. The queation of ma tributiona by the ainer wan Juatly ridi. nuled by the labour leadern, and it was abard to hear members of Parliament dimouming the quations of whether the minern wnald object to mntributing a fow chilligas manth or an. What the miner wanta is enmmon-aenac, Rtraightforward dealing, and no political fogglery from either party.

## NO PERMAMENT DAMAQE

"My long conmeotion with minea where no drilla wery usel, but where the hard dolomite involved the isfanaive us of explexires. leade me to the conclunion that no more heallhy hmaly of miners wore to be found ander theme ounditians. The anaemila which ons an oflen man ull thew Belds wan conapicuoas by ith abwence. I tharefore give wy unqualified uplation that the geeed prodiced by blasting are in no way permanently detrimental either dirmely or indirectly to shr health of the miner. The arkument that in combination with the dust permanea damnge mny enane has no fact to eupport it. Mr. Hildick Saith has very tindly supplied mo rith eneral rala from thPerreira Geld Mine. The r-ully old lad. whome akin I liase here, sid lipon whow aye I shall be glad if any miomber wild palighten mef, show little asgn of an abnurmal lung condition, wus have 1 cound any in eny of the athera.

- The political pumitieu beara mu strongly upou the quivtion of prevention that rith jutur percumanon 1 will refei to it more fully. It is indered a hogelu nigy that ther in wone Indicatiun of syrmesent between the two chiel fmoli tioal parties, and I wan graally inirenend lyy the much mice menaible view if the attuation adopied by the lalwus leaders. It would bo quita amay 10 frame. oven at the present moment, thr mont damining acciastions ugaint al hartien concorned, Lut mo gexwl purpme wonld be merved. Fuery one of un could hare done better than we have. and wi might have beglenad matlurn ios the lowical conclonion. Great irritatien han in the pest ben shown by all partiey concernart when brought fuce to lace wilt, their individual shortcomings. I appeal to jou, gentlemen, not to pul ofl fill lo-marrow what you aall do patogy bear ing aver in mintinat the prevention of isis ecourge wuat beyin immediately. Well. you frytll awate of the rarlia. meutary proncedingu which have taken place. If the reault of auch procending" dolay in any way the beginaing of th. enforcement of precautiouary mennurm then the wasta of time will have dians trous raults. I can mily hope that *ina practical regulations aro heing frament wists will in tha iminediale. future be put into lorse. There appear--a mo to be arery unincmary delay about to be or being oustand, hy reference to further commiamons for informa tion. I do wot like thin further wate of time in the leat: I ray wanta of time becaus I am convineed that it will be. Surely every mina on the Rand has, of should have, its own onmpetrat mediral man. and surely evary anch matica! oficer in in oomplete touch with the men ader bim. Thase medical men a me able to furanab the mining hoomes with ali tho porticulars withil wrek. whic! Parlument anke a jear fur. liere in where the deplaralile wate of time is auted for. and which only averira of a rery ualy appearance of procragtivationa Thare is only one tme far a doubtid raw uf miser' " phthisis, and that ie the X riy.

Prof. Wiltimeon ohjecta in prisald - caminalinn of the men. aud with him 1 atmongly axren; there in mo single argu ment which ran be brought forward uf wufficient weizhs to mulport a private examivalien. The examinationa ahoald the ofraghifiorsard and nimen in be of tha leant value.
"Agnin 1 sery memaly modiemn theme who fant to make miptiery an in that cause of the duman. I honilred further rommiorinns ne enquirion will only cimfirm the fact that morereat. of phthiais in enntaed by the diat from the drill and the remaining ion from sinkidier Gfinces, meh as blating and shavellir: Thin sn per cent. can in ateproed with fr * month from this date, if all af - Hlibg ta canperate and make a 1 . If haing. Fffertive proved means art nus A hald and the coat is trivial."

Eagland had been awort Publio opinion in portance rif the matter. tad remarked that the Digures English papif credible. The British publices sounded in Union Goverament to public looked to that this horrot was removed, and the see that this horral motion. He hopediat was the object of rhy for the good of something might bedond land if that were done, puffering humanity, monthsi, laboume wonge, Parliament's fivo :-vain. (Hear, hear.) wh not have been in


Public opinion + Phthesis. - Phthisis will destrong Mines * $\therefore$ Rand Evening Chromile, 4 June $1913{ }^{\text {C Noten' }}$
lulued to Elighs How Day
costs to Minsing nomes of Phoures comp? \& hs day mere watkicig costs-lives of mives shestaed-close doum. wating costs.

The mining noures a the combiy have got to sealue thent thay are not fyising Mr. Thom Matthows h his frueds in this buoiness They ave fygeng aw enerynthat will, if not ovencone, cut the life Greoodis of the heig mineral indertumes of tews combliy usith sheans shapper then these of the Fates. We are all inlerestiod it the vecult. Phtivisis nust be destroyed or it int destioy the maias, and arite then the Ravd. Thes whore 8-hr day comes in - put off for a yoar. res. with all accuunciting facts $\pm$ phtaines.

Gout. Bactendogists: (see General Box.)

Public Opinion in S.A - arfoosed by 1912 -rerrible fquves - Houch 1912: (R.D.M, 12 Manch, 1912$)^{\text {'Heather mins.' }}$

## On Accidents and Mine rs' Phthisis:

To the Editor the "Event as Charanlale."
GLr,-Attention has bee $\Delta$ drawn to the incresse in the number of sccidents. which it is fairiy safe to snoume will take plaw should the froposal to grant blasting certificates to coloured pernons become 18 w . This I tl jiak touches upon the most rital aspect, of thia complex problem.
In the opinion $0 \%$ many experienced mlaers the preser $A$ opidemio of accidents is due entire $h$ y to the employment of choap, and caly partially trained white men: what it would be with oven cheaper ar/d leas Intelligent colourod men is tertible to contomplate. Yet *o seo huniods of old practical miners walk'ng the sireets, some nwing to victimisation ( Mr . Dawe'm dental notwithstanding) others owing to their refusal to work at the present contract retes at which it is almose impoesibic to make day' pay, and others asain orsing to the aubstitution of chesp codamrad labour. Surely the time has arrived arorough invertigation into the canses of these secidents, somminiog more soarching than the ordinary Mines Department enquiry. The suessestion which has erequently been inade by the T M.A. that one or more practienl miners should be permanently employed on ewh mine as inapectora, not to replace 'the praent Government Inmpectors, bat as an edjunot, in order that the rrining laws shall be rigidly onfinced should be edopted. In most civilised; countrien the premervation of haman life is p-tamoupr to all other considerations; brete, the meluction of working oosta by 8d. or 1s. a ton in of move importance by far then fhuman life.

Tnuclaing upon the quetion of minera' phthisia, the sdea lihe oftran ocurred to me that were it yosible to tranoplant the gold mines of the Fitwaterarand inta Engiand, and the same appalling death sata conts aned, what an cutory there would be.f the restilt would quickly be the 1 ptal elimination of the disesse, or the ppecdy closing dewn of the minam It is abonlutely nasieas adkIng the Govefnment to take up this queation in a trrupsthelio ruentar: tbelr animus agnin at the workers is so slare ingly appare ht. Noithor can much be expected frifm Lord Gladstone. I do think how lver, that ihls in a matier which, had the clergy of all denominations done, their duty by denouncing from the pulpit the wholessle murdorn which arn laking place, much miore miaht he fo been inne to alter the wniking conifations underground. The Home Governy/hent, wo, are greatly to blame allowirg thit grave ecerndal to consinue. They quiokly interfored on behaly of the I'stiana in South America in connsetion with the Patumajo atrocities; with Thedr, own aubjecta they look oalmly on. and 'do mothing. If the Onion Governme dit ane really desirous of takiling this ormalon in a thorough menner, I ventare to make w-angecstion for thats sonalderation.

Let them appoint a Cinmmiselon (still enothat) to be comitpremef of the most ominerit mining engincers and medioal men of Fingland, the States and the Continent ; the egentlemen 10 colls borate with the most prominent mining and mediasl man of these fildels. and no that the work of the Commission may be effectual make the appointment of enchl member for one yoar. The eribe of suchil a Commission and the expense whioh would be incurred by each mine in oaryring out whetever fista dations, may be neceseary to oomply with the reconsmendations of the Commilsion, could be met by the Governmeant dernandiag thet esch Campany add to their montialy working costs 3 d . of $6 \mathrm{r}_{\mathrm{s}}$. per con milued, untll sufficient money has been accumuIoted to earry out thip work to the sulisfaction of the Mines Department, or btttor stilh, of zadeperdent engineers. The amount represented by the 3 d . or 6 d . per ton to be crerlited to an acoount "Phthisis Prevetition Fund," or any other name they may choose to call it by.

I feoi sure thaf only by sorte suoth means as theae can we hope to see tho aradication of puthfis in theot mines "un fait aoommrili," One thing is quite cortain: the mire owners will not go to the exponse 4 apase compellad. -1 anno. ola

# MINERS' PHTHISIX <br> "S,A. NEWS" AND QUBSTION of COMPRNBATION 

 blity for compensation on the exnployern. who will thes. wa may be sure, very quickly that the proventive fecilitice proarided arn availed of and that they ar. fully adequate."

Adverse Publicity - MP. - Outhwaite - Fed'. Ops. News. Aug. 1913.

Lhap11ח ta 3 WM 18 August 1913.
As regards the Federation's reply to the Chamber of Mines proublished in the "Worker" af the $215 t$ August, this has mot attracted very much attention here. What did attract attention was a statement which, it was announced, had been cabled to london by the Federation as to the state of affairs in connection with m. D. No doubt this was done at the instigation of Outhwaite and Co, who thought it would be the best way of attracting sympathy in London. In reply ta this, a statement has been published in London, as also a statement in reply to fame parts of the Government Minining Engineer's report.

Effects of Denits on Rand Soracty
Evenng Chonicle 20 May 1913 Editrial.
$\because$ Now there are no real rearno for tins dencent of the mining indenting to a lecelwhere it is suspect of every decent-mindad ahzen. gis mamegent is at favet. the destwctic of life for cxample bere candr contive wirnut weng sonsin reacuts following to the whole cocolly. Both black und whts labaid foces are hardled in a fashin whech in reacting up on dow forive, owp proqeinty, ow socisty, and monals. Ore patent reap io shome in The neriesing hostulity to ti Rand and those whe conted it. If is uile to sey kat ree fisfities do mot esat. Thy do.

"-
-The headgear of the mine towers over the shaft, a landmark from afar; it consists of a tall tapering framework constructed with girders, and near the top are big pulleys to gride the steed ropes that haul the cages up and let them down. In the dim light of the early morning it was a grim-looking structure, and always suggested to my mind a huge gibbet Men did pot, it is true, hang in chains from it, but men, huddled of two thousange, hung suspended below ground at the and plunge into sand feet of rope. When the cage takes its first of light ling gloomy dank atmosphere of the shaft a glimmer sudden. But soon a minute, so that the change is not too plunge deeper and deeper the increased pressure from the compressed air at first makes your ears crack and sing in a very unpleasant manner; but after a time you become accustomed to it and can hear with comparative ease. I know of no more disagreeable sensation than when the haulingengine on the surface stops and you hang suspended two thousand five hundred feet below. The give in the rope causes the cage to dance up and down as if you were held up
by a piece of stout elastic, and the motion scems to grip you with a sickening fecling at the pit of the stomach. It is then that you realise how much depends upon that rope, for below the dancing cage, in the black depths of the shaft, lies a sump filled with water draned from the workings of the mine. To be precipitated into that would be death; and such accidents are not unknown.

Mining (descruphice) 1906 .
Robinson thDeep-level Mine - visito. (Broune p 95.)
"We descended the mine in cager wimih dhipped shaignt docin to the 1,800 ft. level without stapping As the streel rope goei kanger 4 lager ithe cage swayed up * down, and qave un saneltion of the seusation of heing on board ship ... contimiat swallowing ... extra air pressure. We were all provided with candles which the croupht in many cases hiec out.
botton... Ont of wet case -...electricaliy. luquted charher divilina.. biamond drils inven by electualiy (p.q6).

Perhaps p \$04.
Qustatiee Quote.
Nice Descimption of the Induntialisatian of a Mine

Cornice 21 Feb. 1902 . "Meany Drinking in S.A.'
"huston to the crasis of 180 stays! Thick of a shaft $4,000 \mathrm{ft}$. deep! Behordthe smoke stack for 20 solid mules it reef, like stuities placed in a tow! Let's stop at the simian beep. The cage has just arrowed At the surface with the beaning mass of when and white humanly, who, for te "last egos hours. have hew seaverig the bowels of the easter for gold."

Sugar this is used on p. 64

Quotable Quiet - dunt 4 comperered air closed up passage Whin le prefers censing lings
JCmoss oct 1905, p. 121 M. Coomb.
As a mine manger declared to his cenlidint':

- I hold no brief far the miner, but 9 must say he does hin bert under most trying incunstances. Toll about i trouble', he has noting but trouble. He knows his life mint of necessity be shat, and naturally be prefers to wonk contact, and put un sometug for those he exeaves helind when the dux and th compressed ain have closed up the last passage in his longs.

Pit thees quotation an p. 19 k .

Quotable Quote. Hire Manager, looking for water device that - 1905 wait drown a man
J.qMMS - OCt 1905 P. 121, M. Cooombe.
Un jet to hue it

1 I came to the conclenion that $g$ would cos soar take my chances with the dunt as the water. I am ricing still to get hold of save derke that will ensure the water getting into the bole pitons drowning the man.
Being and rock-dill miner. Imaysey ar of the dded an liege
Cleids

$$
\begin{aligned}
& \text { | (J of C.M. M, 1902-1903. Pp. 245-24.1.) Mr. T.h.canter. | } \\
& \text { We used to hear a good deal of the happy lot of the rock-drill } \\
& \text { contractor, of the high wages he earned for a very little work. } \\
& \text { These high wages allured many into becoming rock-drill men. I, } \\
& \text { for one, thought there was a fortune in it, and learned how to run } \\
& \text { machines. All that I can say is that I devoutly hope an unkind } \\
& \text { Providence will never decree that I must make my living as a rock- } \\
& \text { - dr } 11 \text { ruler. There are many more comfortable ways of getting } \\
& \text { through the world, and the high wages are small compensation } \\
& \text { if a man is finished up in seven years or so. }
\end{aligned}
$$

Q.Q. Miners not ignaitant-Steupid-this is nonsense - Ma Mine 1905 Manager

JgMays Oct 1905, P. 121 H. Coomb.

1) have heard it said that men are prejudiced; that thy ave ignorant and do not know. This is nonsense. One make is as heavily handled, as mother [ie dynamite] It is usharge their taper all the miners an a property should be prejudices. All wankers are not ighovent, and probalicy know mere of lured
calling than outside men... these men are not fools - they know.

Description - Suncide Developing.

TE 21908.
p. 324 Australia. S5 Trouble.

993097 . Does he work under healthier conditions? - Yes he keeps his health, but you cannot keep your health bee. if you are developing. If you ae stooping and have got in well ivtieated shape, you can can age all Right, but I have bean severally developing here, and I dor not thinks that 1 wile do wy more developing. It is suicide without a doubt te be developing in those mires."

Quotatble Quote Suude Denclopicie.
Croule 1207
$T G .21908$, p. 324, q. 3,096, ew. S.S.Croule.

Risk wages.

Fatalism:
No interest:
do nit get Id d nukes

Miner's comonission, $p .108$, evidence, Thomas Mc Isaac.
878. Was there no particular interest taken in the matter, GE was
 to b. talion ?-I have never seen any special interest token in the matter. It $p$ as recognised that the work of a miner was unhealthy, and I never san inn steps taken to make it more healthy.
884. Dr. Hawnodens In the mines of British Columbia, did younsay that the miners suffering from this disease were principally old men ?-No, uts a rule old men do not suffer. They do not ret very old.
auectios
Judqement of holes \& annout of explosives -skells TG2, 1908, p.187, q. 1790 , ev. G.E. Wehber.

Ouersear

TG 2, 1908, p.974, q. 141473 w. J. Daveis.
it was only a shent step to the goed contbonation that is mesier and machure men.

Skells requised in Mining - Shope o Nature of Stopes - Spouled 1907814. GMEAR... 30 June, 1907 , p. 12.
let the stopes get out of shape allowing hanging footwallo to he blasted brolen into by ill directed holeo, weakeved than liakle to accudents kough falloof ground.

Only attained turs eppereice.

Skills Required.
knowing where to place holes to suit formation of rock. (Truxcott, p. 156)

Native habsour - Essential - Ind to payable nature of ore Quotable Quote.
'For, after all is said, the manual labour needed for extraction of the one is an essential only second to its paycuble value'
SAM J 19 sept. 1895, P. 976 , leading article
SaNative hahaw
9 haven't used his.
liy LE9I the - Ifrican Giold Recovery Symbaite, intio whose hames the control of the Macir humFidrest patents have passed, had mate onie prolit from the treatment of 10,000 tor) of Coninson tailings and had arranged for the treatment of a similar prated of tatings at Ferer Creek. As protits had actually been mide,
lequers of the indu:try were convinced that the mincess was good and, an the process was at the Lohning stage. I again visited the land in $1: 91$. Enerytuing was changed, every huse wasoccupied. every sture was flied, evert merchant was busy, tbere was a distinct feeling of cruffidence in the future, fresh enterprises bad been taken uf, and were being initisted every day and the Rand industry, as it stands now, was clearly 1 oreshadowed. Of cuarst, wise men were at it again, abd each wiseacre took credit to himself, saying he knew frun tae verr leg.rning that there was something in that Macivrihur-Forrest jatent, and trel one tork aredit for the encouragement that be had giren io the investor, and tuld all and sunamy that bu: for him the froces would have beon riven up in despair.

By tut iasaduction of cyanide the fold indistry everswhere, but particularly on /he Fiand, became realir an indusiry - which seince, fombined with good business maragement, has hanged from a mining speculation into a safe hrestment. quern so much sickness amongst the miners as to cause any special interest. to be taken? - I have never sees any special interest taken in the matter. It was recognised that the work of a miner was unhealthy, and I never saw in y. step. taken to make it more healthy.
§84 Dr Hawarden: In the mines of British Columbia, did you say
that the miners suffering from this disease were principally old men? -No,
an a rule old men do not suffer. They do not get very old.

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