fire had gome rp. On Ortoher eg it was fomme that fhere was a tare tire above the east or long plane terel, when it was derided to flood the mine. (on smaday, October $B 0$, the water of P'anther

 the water ant of the shaft again beean on the alternoon of fereme


## K:ank-Milliam Collier? Disastar.


 Katsomski, laborems, met their drath al tho Kaska-William robliery,


 The fomme mea wera working by night, and lho laborers were loadince thr stall hy day. The fammel men had eat the botion of the

 after firing, so that they did not know that the vein had been cat. The lite hoss, in making his rommds in the morning. disoovered that the rein had bern cht, and so reported to the inside foreman, who took stom\& men with him ame dritled a hole in the rein about six

 shots tired darimg the night bofore. The collory was idle on the f wenty-xixtly, and no men were at work in the inside slope, which
 feet west of the top of the slope. Shont 11 orelock in the foreroons,
 down the wojas by Thomas Hawkins, for tiae boss, to feed the mates,





 and retreated toward the hotfom of the shaft, and on the way met

 ext bark to the slope but the wator was rising rapialy at the bottom of the shaft, and they had to retteat mp thr shaft. The walles rose to the roof at the hottom of the shaft, entting off all commmateation wifh the inside slope and the fommel where the water had come
from. The steam pipes were boken ber the rash, and the pumps at the bottom of the shatt were stoped. The water from the shaft vals hoisted he tanks matil the zeth, when one of the pempe was reathed and stated. the seeond promb hering started the following day. On May : 3 O the shaft was elear of Water and the work of
 also the gangway betwerd the top of the soper and the thanel. The fimber and trate in the hoisting slope had alt been washed down the - Gope and the workings below were tilled with water to within 1 bit feet of the top of the stope. The promp slope whith is 治feet west of the hoistiges show. Wats tilled tigh with stuti that had been washed out from the tumel The hoisting slope was retimbered down to the water, and the pumping of water ont of it bexan on July e. In the meantime the deaning of of the gatway from the top of the slope towate the tumm was bering dome and the dist hody was fombed buried in the debris on the night of Jaty 2. and the seeond


 that the ohd gatheway wh the Orehat mein, from which the water hat
 the fommel. The body of the foumth mat who was in the tmanel wat mot fombd and hat evident! been washed down the slopees. alomg with a mulde and there mine wats that were on the shaft level when the water brokn in. The orehad reinstope, from which this water


 ted from the top wh the stope. The water was being pmoned ont.









 dately get wht the denlogial seetion, Which was the only smem
 -6, me down to the tered of the popesed tmmel, so that it womd not



plan was perfectly leasible, I could raise no objections, and considered it would not need much watching matil the lrimose vein had been cut and the holes were being driven up the pitelt; and only then after they had been driven up a conple of hundred feet, as there was ground enomgh above that to allow for ally inaronaty in dee elevations which the Geological seretion hatel marked as only estimated, and whirl conld not be pelied mpon. Dnring the following week I notjeed an admedisement in the "lbaty Republican," of Potts ville, inviting proposals to drime the tumbel, from the seven-foot
 at my office with a proposal for driving the tumbel, and wanting my opinion as to priaes. This proposal atse phanly stated that the tumed Vas to be defen from the sevenfoot to the lerimose vein, and with the advertisement agered exaldy with the phan that had been talked of in my office. I visited the colliery on Jamary $1: 3$, s!s, and fomed the tmonel hat been stated two days before and had been driven in ten foed. I visited the colliery again on damary 31 , hat was hot in the tumel on this visit. On Mareh e:3 1 agatin visited the colliey, atd was in the dumel which had just cut the bottom of a vein, Which I supposed to be the Holmess and which it afterwads proved to be. loming these visits, nothing was said of any ehange of plan "r intention to drive the tmanel father than the Primose vein. After the water hat broken in on May 2 Gth, I fomm that the thmel liad been driven beyond the lrimrose vein and had ent the Orehad rein, which had come down below the level of the tmmel, instead of making a basin above, as the (iaological Sertion hatd shown. That the (aeologiral seetion was not comert was plainly apparent after the llohmes rein had been passed and when the lrimose vein had been reathed, amd the tomel contimed, it was plan that the Orehated rould be ent on this berel, and the superintendent had been experetins it foberat for several days before. Vet. knowing this, he failed to take the wedinaty perations whieh were meerssaty for the safety
 rident, an ofticial of the Lehigh doal and Navisation Company, from
 bat mot knowing low far it was intemded to son, wote to the shere intemdent. Thos. $\mathrm{C}^{\circ}$. Reese, telling him that there was a serefion in that offer which shawed that the Grehard workings were nearly dewn to the level of the tmmel, and advising him that it were best (1) take no chatnces, hat to keep a drill hoke ahead after going in 500 feet. This tetter was received by Reese in the morning, before the areident oceured. but the tumel was in father than sut feet and the rein had been cut. Reese went into the tmmed about 11 A . M.. alore with lnside Foreman Flanigan, and told him of receiving a queer lefter, but did not say what it was about. The boss la-
buer, it seems, had been in the hathit of tiring any holes left mined ly the tmmel men, dming the day shift. That morning there had leen a top hole left mined. The contractor said he had put the basting hattery in the box and lorked it before he loft that moming, the bess laborer ako hating a liey to the box. After the acosdent the blasting hattery was fomd washed ont near the pmmp room rith the wires attarhed. The box in which it was kept hats not been fonmd yet, so that it is evident that after Reese and Flangan left the tmmel, the boss laborer had fired this top hole and no dombt but pewder in the hole that had been drilled to test the rein and tited that also, which booke the harier of coal betwern the tmonel and the water. This baties had held the water hark for ten or Fleven homss, after the fanmel men had fired during the night, and both Reese and Flanigan destitied that when they were in the tmo mel last, an hom before the water broke in, there was no sign of Water more than msalat, amd eren at that late homr, after receiving the wanning, had the men bern taken ont or prevented from tiring matil thank hohes had heen driven ori both sides and mu the gitch. the arodent could have been areted, as the coal betwen the tamed and the old gangway womld have held the water, if no blasting had leren done. An impuest was hedd on september 5th and the jury randered a verdet that "the areident ocenred throngh the misheadHes maps and drafts whereby six men had lost their lives by drownifg." At this inquest, the superintement. Thos. ('. Reese stated to the jury that he had asked the Inspector, when he had told him © Whe intention to start the Gmbel, whether it would be mecessary io keep a drill bole in advanere and that the haspertor had satid it Was mot, and that all inguis? possible had been made in rexat to tinding the deph of the old orehard workings, and from what he
 lerpinge a drill hole ahead from the time the thmel was stated.
 Wrand hate satal that it was hot meressaty to keep a hole ahoal motil
 : 1 the Primose roin, as I was informed it would be ber the supertin fomdent, and ber the printed notions it is pain that there would have beoll 10 meerssity for al drill hole ahoad. and the aceident would not




 fomel, if it hat been somght. There wepe also seetions in pesses
 monformation was asked. Even the rompanys emgine who wight
have constructed a section as the veins were being cut in the tmune which wonld have shown the error in the (ieological section and very neatly the true position of the old workings, was not consalted other than to give a line for starting the tumel.

I send with this report a sketeh showing the ground phan of part of the colliery from the botion of the shaft eastward to the tumel from the bottom split of the Mammoth vein, on which the inside slope is sunk; also the gangway westward on the top split from the top of the inside slope to the tumel driven south to the Orehard vein where the water broke in. The comections from the month of this thomel to the pomp rooms at each side of the shaft are also shown W:th the tidal elevations of the bottom of the shaft, top and bottom (ff the inside slope, ant the south end of the tumel and old gangway above. The Red $A$ sh stope which is on the Orehard rein and the old workings from this slope on the Orehard. Primose and Itohmes veins, from which the water came, are shown by doted lines, as taken from the colliery maps, indicating that their position conld only be shown approximately. Howerer, it can be seen by this sketch that the supposed position of the lower gangways on the Orehard rein was rely close to its trme position, as the end of the tumel is alose to the old gangway, the difference of level between the bottom of the tummel and the bottom of the old gangway baing less than 20 feet. I ako send on the same sheet a cross section of the veins from the bottom split of the Mammoth vein at the bottom of the shaft to the Grehard wein as cut at the face of the south tmmel. This section -hows in heary lines the position of the veins as thry have been cut by the tume with the otd orehard vein gangway a few feet abowe the south end. The dotted lines show the position of the Orehard. lrimose and loblmes veins, as shown on aross section line No. 1.5 of the serond deological survey, from which it (an platinty be seen that if the Geological seetion had heen rorrect it would have been useless to drive the tmmel further than the lerime rese vein, as it womblate reached the land line before any workable coal of aby aroomit was cut. It can also readily be seen that atter the lfolmes and Irimose reins had been eut, any person possessed of ordinary knowledge of mining and a tape line and chinomerer could madily have seen that the geological section was not correct, and knowing this, wonld have taken some precantionary meas mes for the protection of tife and properts.

I do not hesitate to saly blainly that this disaster was eansed by the misereresentation and incompentent management of the wherenwhent in rhatege whose previous training was not of such a chat at ter as to cualify him to take "harge of a colliery of this kind. The condition of the colliers had ben poor for two yers before this ate rident, as is redaned heremeds of my visits which have been frequent. and by comespondence relating thereto.

