The Advocate.

RIDGWAY, PA., SEPT. 5, 1878.

Notes.

-Picking up cigar stumps is a new industry recently started in this village

-The press of other matter is so great this week that we are compelled to omit the publication of the Kane Church Dedication article, which will appear in our next issue without fail.

-The Ridgway Graded schools commenced on Monday with Prof. J. B. Johnson, Principal, and Mrs. Johnson, Misses Babe E. Wilcox, and E. Jenna B. Atherton assistants. The schools will be in session eight months; salaries of assistants thirty dollars a month each, and salary of principal one hundred dollars a month.

-Adam Chase, of Benezette township, was committed to jail by Esquire son of Annie Aska, a girl of from fourteen to seventeen years of age, we understand her age was given before the Justice as fourteen, but other persons say she is seventeen at least she is as large and well developed as a girl of the latter age. The crime was said to have been committed about the 20th of last month, and nothing was friend, that friend told his wife, his wife told the girl's mother, and the girl's mother had him arrested. The prisoner was lodged in the county jail boyish appearance,

Birth.

HAMILTON.-To Mr. and Mrs. John Hamilton, of this place, on Friday, Aug. 30th, 1878, a daughter.

Personal Notes.

-Mrs. Service is home again. -It is a bad thing to eat too much.

-Mrs. Jas. McAfee is at Lock Haven on a visit.

-Charley Cody cut his hand badly yesterday with a knife.

-L.L. Miller will move his family to Bear creek this week.

-Miles & Noon are lathing and plastering Doctor Earley's building on the corner of Main and Broad streets.

the week with his arm in a sling. We uniform, wear the usual badge of did not learn the cause of the injury. -The house next the Ridgway

house, now owned by W. H. Osterhout, will be plastered by Miles and Noon.

-John Gulnack, last year Superrespect, this company attend, in full visor of Ridgway township, has gone to Kansas to locate. His family will uniform, the memorial services, to be held in the Ridgway M. E. Church, follow him soon as possible. Sunday evening, September 1st, 1878

-Albert Ellithorp, second son of Levi Ellithorp, Highland township, started for Kansas last Monday. We wish him success in his new departure.

-Ed. Burns of Reynoldsville, son of our old-time Charley Burns, was in

mission of the Court, that the same be Resolutions of Respect. spread upon the records of the court RIDGWAY, PA., July 31, '78. WHEREAS, It has pleased an All-wise Rathbun the meeting adjourned. and merciful Providence to remove from our midst J. O. W. Bailey, a GEO. R. DIXON,

DEATH OF LIEUT. J. O. W. BAILEY !

much esteemed officer of our Sundayschool, we humbly and submissively bow to His divine will. WREREAS, That in his death the

WREREAS, That in his death the Sunday-school has lost a friend devoted READQUARTERS 17TH REGT, N.G.P. to its interest, and an officer that will be difficult to replace; and, as an evi-Last Friday night about one o'clock dence of our love and appreciation of the camp was very generally aroused him, the school resolved to appropriateby the painful intelligence that Lieut. ly hang in crape the last work he did J. O. W. Bailey, Co. H. Ridgway rifles, in his official capacity, to be kept as a had been found dying in his tent. The memento of our love for him. facts are reliably as follows : Lieuten-Resolved, That as a Sunday-school ant Balley had spent the evening with

we unanimously extend to his wife anumber of fellow officers in a most and children our most sincere and agreeable manner, but had complained heartfelt thanks for his work in the of a peculiar pain in the back of his neck school, and deplore his untimely during the day. Retiring about eleven death, and offer to his family our cono'clock, apparently in good health, he dolence in their present trouble. was noticed shortly afterwards by

Resolved," That these resolutions published in our county papers, and mate, to be breathing strangely, but Gray, on a charge of rape on the per- that a copy be printed on white satin no attention being paid he was allowed to be given to Mrs. Bailey, as a token of our regard and love for him.

C. E. HOLADAY, J. B. JOHNSON, S. A. ROTE, JAS. D. FULLERTON, Committee.

medical gentleman pronounced the At a meeting of the officers and cause of death to have been apoplexy, members of Company H, Seventeenth known of it until the prisoner told a Regiment N. G. P., the following resoby which disease he had been twice previously prostrated. The body was lutions were offered and adopted:

immediately washed and attired in WHEREAS, J. O. W. Bailey, Esq., full dress uniform, and placed in a First Lieutenant of this organization, case. The company had fixed upon while encamped with us at Camp teen years of age, of slight build and Pitton, Chautauqua Lake, N. Y., was Saturday as the day for moving, and hence as Licutenant Bailey had teleon Saturday, Aug. 31, 1878, removed graphed his wife they would be in from our midst by sudden death; Ridgway Saturday evening, were therefore

all ready to move. At sunrise the flags Resolved, That it is with the most were all placed at half-mast, and Capt. sincere feeling of sorrow that we re-I. B. Brown, Company A, Corry, esalize the death of our late comrade and corted Captain Fred, Schoening and his officer, who merited the highest measmournful train to the depot, where an ure of respect for his devotion to this organization, and the faithful discharge of his duties as an officer.

Resolved, That in his death this organization has lost a faithful and energetic officer, and his family a kind and devoted husband and parent.

W. S. HORTON,

M. S. KLINE,

LUCORE & HAMBLEN.

LAW OFFICE OF

HENRY A. PARSONS, JR.

Resolved, That in the hour of deep and sudden affliction and grief we tender to his family our sympathy and lence as a man, efficiency as a soldier, ondolence.

Resolved. That our armory and colors be draped with mourning for panion, were read by Chaplain Austin, mine waste, pillars and slate, 179,559,mourning. Lieutenant Bailey was a man of

searcely thirty-five, leaves a wife and follows ; three children. He was one of the most able lawyers at the Ridgway bar; was a member of the Republican State

willage papers; and, with the per-

After appropriate remarks by Mr.

Letter From Camp Pitton.

Secretary.

From Cor, Erie Dispatch.

JOHN G. HALL,

September 1st, 1878.

Chairman.

Committee in '76; at the time of his '44" " death chairman of the Republican County Committee of Elk.

He was a large, finely-formed man, strictly temperate in his habits, a thorough gentleman and a soldier, whose

presence and assistance will be long missed in the Ridgway Rifles by Captain Schoening. Colonel Magce and his entire com-

mand, including the Titusville Citizens' Corps, accepted the invitation of the citizens of Jamestown on Satur-

Pennsylvania & Erie Railway.

[CONTINUED.]

lows

Bitu

Can

A

Clay Commencing at the line between New York and Pennsylvania, the warrants Brig in McKean county, through which this road runs, are numbered as follows: 3427, 3499, 3498, Tarport, 3906. Bradford, 3316, 3313, 3310, DeGolier, lows 3905, 2285, 2278, 2275, 2266, Big Shanty, Bitu 2264, 2257, 2254, 2258, 2247, Buttsville, Can 2248, 2241, 2469, 2609, 2605, 2703, How- Clay ard Hill, 2690, 2691, 2692, 2688, 2685, Bitu 2684, 2676, 2675, county line.

The different veins of coal occurring in the basins through which this road runs, have been designated by the letters of the alphabet-the lowest vein being called "A," the next higher one "B," the one next above that 'C," and so on up. In the sixth basin the "A" vein extends far enough north to cross the New York State line, but is so thinned out as to be worthless; none of the coal in the Second Lieut. C. H. Rhines, his tent other basins reaches the State line, Going south along the line of this rail-

way the thickness of this vein into remain so until one o'clock, when creases, and other veins successively it was discovered that Lieutenant appear above it, so that before reach-Bailey was unconscious and nearing ing Kenzua Creek, near the south line his last moments. His body was taken of warrant 2241, twelve distinct veins on a couch to the Kent House, where are said to be encountered, which have he breathed his last at five minutes been designated by the letters from "A" to "M," inclusive. According past two o'clock Saturday morning, A

to the report of a Geological examination made prior to the construction of the railway, the average thickness of these veins is as follows: "A" vein 41 feet. "Splint Vein." "B" " 11 "

"C"		1	34	
"D"		2	- 11	
4 E "		51	$\chi \epsilon$	"Bond Vein.
* F ''	88	2	58	
"G"	44	5	44	
"H"		11	.15	
"I"	- 11			
·K "	144	-	.44	
" L "	14	51	44	
" M "	- 14	21	-3"	

affecting prayer was made by Chap- The A, D, E, G, and L Veins lain R. H. Austin. This was a most were considered workable, and the touching scene as the men and officers total extent of coal lands in Bradstood with bowed head, the tears fell ford and Lafayette townships from like rain from their eyes. The mel- which the coal would find transportaancholy affair cast a gloom over the tion over this railway was estimated entire camp-every soldier felt it. At at about 42,000 acres. About one third dress parade in the evening resolu- of this land was reported as containtions of respect testifying to his excel- ing no good workable coal. The re-

maining 27,545 acres was estimated to for that purpose to Erie or Cleveland. and the regimental colors draped in 500 tons of saleable coal. The area underlaid by each vein, and the num- freight that vessels are compelled to ber of tons estimated in each, being as

> " A " vein, 27,545 acres, 114,421,500 tons "D" " 18,644 " 27,288,000 ** · E !! . . 5,415 " 27,075,000 ** 1,980 ** 9,900,000 ** · L · · · 178 " 875,000 "

Of this coal 40,824,000 tons were classified as Cannel, and the remain- Buffalo, and by the steam vessels runder as Bituminous coal.

This Geologist says he went over the estimates several times correcting errors, and that they may be relied rant 2241, the line of the railway, conupon; nevertheless, in footing up the tinuing southerly, enters warrant total amount of coal he made an error 2469. This is in the northeast corner

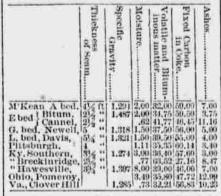
of several millions of tons, which leads of a body of land which has been desone to suppose he may not have been ignated as the "Howard Hill Region,"

t another location in was as foi- s:	north of the l
minous coal, 1 ft. 4 in	average five
nel coal, 1 " 9 "	underlie 700
y parting,	600,000 cubic
th Bituminous coal, . 3 " 0 "	western part made up as fo
Total thickness, 6 " 3 "	
t another location it was as fol- s:	6 ft 6, in B
minous coal, 2 ft. 0 in	CB
nel coal, 2 " 0 "	(B
e narting	About one-
iminous coal, 1 " 4 "	from that pe
The G coal lies about 35 feet above	measures:
	7.10

the E bed; it is about five feet in thickness, and well adapted for making gas. The L coal lies about 155 feet above

the G ped: it is about 5 feet thick, and underlies only a small area."

"Taking the total area of workable coals, there will be 27,300 acres, which ures four feet, composed of Bituminwill yield, at a low estimate, 141,215,000 tons of coal from all the various beds." "The following is a table of analyses of coal from this and other localities :



"25,00 acres of these lands will yield are vast forests of hemlock, which are destined, in a few years, to be almost as valuable as the pine timber is at the present time."

In conclusion, he says: "Buffalo

tribution of coal and manufactures unsurpassed by any other city in the for the distribution of the Tunungwant coal. The debarkation of the cargoes of all the steamboats and propellers at Buffalo, renders it desirable at this place, rather than turn aside purchase sand for ballast on their outward trips. It is evident that if coal could be obtained at Buffalo as cheaply as at Cleveland or Erie, these vessels which is now being constructed." would purchase coal for supplying all the lake ports having commercial intercourse with Buffalo. The amount

of Bituminous coal now consumed in ning from thence, is reported to be not

less than 250,000 tons annually." On reaching the south line of war-

1	tate it an the moments of Mr Bond	Rat
	into it on the property of Mr. Bond, north of the Kenzua. It is assumed to average five feet in the thickness, to underlie 700 acres, and to contain 5,- 600,000 cubic yards. In the north western part of warrant 2603, it is made up as follows:	One column, 14 a Transient eight lines, c \$1.30, three is Business c \$5. Advertiser
	6 ft 6, in Coal state 3 inches Bright Bitm's coal 4 " Bituminous coal 11 " Slate and clay, . 17 "	Bu
	Coal and slate, . 32 " Bright Bitm's coal 5 "	GE
	About one-half mile northeasterly	Main Stree
	from that point, in warrant 2665, it measures:	HA
	9 ft, 5 in. Bituminous coal, $\begin{array}{c} 311 \\ \text{Slate}, \\ \text{Bituminous coal}, \\ 20 \\ \text{Slate}, \\ 234 \end{array}$	All Office in N Ridgway, El
1	[Bituminous coal, 16] "	
	No. 12 coal is about 40 feet above No. 10, and where opened in the northern part of warrant 2005 meas-	Didowny

ous coal, with a parting near the centre of four inches in thickness of slate. It underlies 210 acres of land, and contains 1,350,000 cubic yards of coal.

Nos. 10 and 12 exist only in warrants 2703, 2663, 2605 and 2665. It so happens that the elevated ground in the centre of the "Howard Hill Section' is formed by an anticlinal axis, which raises the lower coal meas' measures up to the very summit of the ridge. Both northward and southward from this ridge the strata fall off' or dip so as soon to admit the upper measures even into hills of lower level than the Howard Hill summit. This accounts for the presence of coal Nos. 10 and 12 towards the northeastern

corner of this land, and the presence of one additional bed at Lafayette, an average of 40 cords of hard wood which overlies No. 12. The level of per acre, which is equal to 3.000 bush- the country at the head of Johnson's els of charcoal to the acre, and there run was carefully ascertained to be about 300 feet lower than the summit of Howard Hill ; yet about the springs of Johnson's run several coal beds have

been discovered which, apparently, belong to the uppermost measures of possesses facilities for the sale and dis- the whole region. Even the stratum of upper limestone for which all parts of Howard Hill are (geologically) story of the new offex bular Hall, west of the Hyde House, country, and must be the great point too low, is found here. The inference seems justified that in all the high grounds in the southern and southwestern parts of the estate the coalbeds are most likely to be found suthat they supply themselves with fuel perior to those of Howard Hill in regard both to number and thickness, courteousness as a friend and com- be capable of yielding, exclusive of The upward freight of vessels from few miles north of the Kenzua, which for this coal basin vanishes entirely a Buffalo to the western ports bears so is tantamount to an increase of meassmall a proportion to the downward ures southward. The total amount of coal in this section is estimated at 92,925,000 cubic yards, or tons, all of which can find an outlet to Buffalo by means of the Tunanguant railroad,

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ECLECTIC PHYSICIAN AND SURGEON. Has removed his office from Centre Street, to Main Street, Ridgwa y Pa., in the second story of the new brick building of John G. Office hours :- 1 to 2 P. M. 7 to 9 P. M.

MRS. N. T. CUMMINGS.

A LARGE ASSORTMENT OF NEW STYLES SPRING HATS JUST RECEIVED at Mrs. N. T. Cummings, also ties, collars cuffs, hoiser, gloves, and a general assortment of Ladies' fancy goods. Remember the pince in H. S. Thaver's Building, Main street. Call and examine before purchasing elso where.

HYDE HOUSE.

W. H. SCHRAM, Proprietor, Ridgway, Elk Co., Pa.

Thankful for the patronage heretofore so iberally bestowed upon him, the new proprietor, hopes, by paying strict attention to the comfort and convenience of guests, to merit a continuance of the same, oct30'69

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MRS. J. R. KELTZ, Kersey, Elk Co., Pa., takes this method of announcing to the citizens of Elk county, that she has on hand an assortment of fashionable millinery goods which will be sold cheap. Also dressmaking in all its branches. Agent for Dr. J. Bail & Co's Patent Ivory

and Lignum Vitao Eye Cups. Send for descriptive circular. n17y1.

NEW

BOOT & SHOE

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thirty days, and that each officer and -John Eyster was in town first of member of this company, when in mourning for the same period of time. Resolved, That a copy of these resolutions be given to the family of the deceased, and a copy printed in each of the Elk and Tioga county papers. Resolved. That as a further token of

this week. He weighs 192 town pounds and is nearly as large as his father.

Wensel and Mead witnesses

The Home Entertainment.

The performance at Hyde's Opera one; that news of the sudden death the Ridgway School Dramatic Association, merits more than the mere members of a profession, to which he mention of a local item. Since the belonged, to pay a tribute of homage erection of the hall the writer has conminor dramas that has yet been given tary. On taking the chair Mr. Hall in the hall. This prediction was fully misses of the village.

With no coaching or training, ex- W.S. Hamblen and H. M. Powers a had been suspected, and had eluded decept at a couple of rehearsais by the committee to draft resolutions expressthan well-they did excellently-and I only utter the universal verdict when I say, that the audience was agreeably surprised and highly pleased.

Criticism has its one office as well as will be kindly received. I hardly need home. remind the young actors that however The report of the committee on res well their lines may be committed, olution being called for, the following unless distinctly delivered, and accomwas made and adopted : panied with appropriate action, they do not create the illusion that the spectator is looking upon a real scene, or midst our brother J. O. W. Bailey, reach the aim of the actor's art.

The great fault was indistinct utterance caused by low tones and rapid therefore and eareless pronunciation. This can be easily remedied with most, though be easily remedied with most, though one or two will never succeed, even passably; all the rest will, with care-the find that in the uncertainty of human life exemplified, and realize the find that is courteousness in civil as human life is courteousness in civil as find the uncertainty of human life exemplified, and realize the find that is courteousness in civil as passably; all the rest will, with care- the fact that in the midst of life we are ful training, do well. in death.

Mark Ashton's action was good, but his lines were spoken altogether too ties of our deceased friend were worfast.

Pretzel was good all through, even kindness of heart that led him to to the drop into the water in Pruspeak no evil. dence's washtub. Ginger did well ex-Resolved, That we can have only the cept in tones. Little Ruth, the Qua kindliest regard for the memory of our Co. B. Erie Guard, Co. I. North East keress, was a model of demureness and deceased brother, because to us, his Guards, and Co. H, Ridgway Rifles, purity, but her voice was pitched too fellow members of the bar, he was low. Patty and the old Quakeress always courteous, obliging and hon- of next weekwere quite excellent, the words well orable.

spoken, with good volume. Prudence Resolved, That the pre-eminent sowas a success, and Bustle's buttered side cial qualities of our friend were such was not always down; in fact, under as to endear him to all with whom he the circumstances, a word could be associated, and his loss will be deeply thanks to the officers and members of said favorable to all.

One feature, and a pleasant one, was the actors themselves.

Should the Association conclude to hour of sorrow. give another entertainment may I be there to hear, and find the hall filled lutions be engrossed and handed to the grately remembrance.

RIDGWAY, PA., Aug. 31, 1878. A meeting of the Elk County Bar day morning for a grand parade, and was held in the office of Lucore & the general privileges of the town. Hamblen, Ridgway, Pa., Aug. 31st, The troops were transported by

Committee.

-Jas. Hagerty, Henry Wensel, and 1878. The members present were Geo. steamer Jamestown, and were received Plymp, Mead are attending court at A. Rathbun, John G. Hail, Rufus at the borough by the Jamestown Swedish militia, borough trustees and Clarion this week on account of a Lucore, W. S. Hamblen, H. M. Powsuit in which Hagerty is a party and ers, C.H.McCauley and Geo. R. Dixon. citizens, escorted through the principal Geo. A. Rathbun called the meeting streets of the borough, and reviewed in the public square,

to order, and stated that the occasion

of the assembling was indeed a sad The troops did some splendid manoeuvering, and were much admired by House, Tuesday evening, Sept. 3d, by of our brother, J. O. W. Bailey, had the spectators, who had come from all been received, and we are now met as quarters to see the parade. The Venango Greys, Captain Wiley, wore white duck pants, thereby showing and respect to his memory. An or- their fine marching to good advantage. tended that there was sufficient talent ganization was then effected by elect- The privilege of two or three hours' in the village, if even half trained, to ing the Hon. John G. Hall permanent marching through the streets comgive a better rendering of many of the Chairman, and Geo. R. Dixon, Secre- prised the hospitalities of the occasion. Charles Jackson, colored, was arpronounced a brief culogy upon the rested last evening for stealing blankverified in the acting of the lads and good qualities of our late brother, and, ets, shirts, money and other articles from Colonel Magee's apartments. He on motion, appointed Geo. A. Rathbun,

tection until the proof positive turned late J. O. W. Bailey, they did more ive of the sense of the bar in respect to up in the finding of two camp chairs, the memory of the deceased. presents to Mrs. Col. Magee, in the depot, directed to himself at Franklin. On motion, it was decided that all present put on badges of mourning, Corp. Ollie Riblet, of the Erie Guard march in procession to the railroad with a detail of men, delivered him to the sheriff of Chautauqua county station, and escort, on their arrival, commendation, and, I have no doubt, the remains of our brother to his late late in the evening.

A number of the companies are living on the regulation hard-tack and beans.

This morning the Erie Guard and WHEREAS, Almighty God, in His North East Guard broke camp and Providence, has removed from our were carried to Mayville on the Mary Martin, where they took the cross-cut road for Brocton, thence the Lake Shore to Erie. The Erie Guard was Esq., a member of the bar of Elk county, in the prime of his manhood ; escorted to the steamboat landing by the Conneautville Rifles, Captain J. Resolved, That in the suddenness of E. Rupert, who by the way is prover-

screnaded the steamer as she carried Adjutant Leech, Major Craine, Cap-Kurtis and company, and North East Resolved, That many of the quali-Guards, Captain Orton, out.

ties of our deceased friend were wor-thy of emulation, and especially that kindness of heart that led him to and Hilton attended divine services in in Brocton, Rev. Ryswick officiating. Camp Pitton, with the exception of

which commands have gone home, will remain intact until Wednesday

A Card. The undersigned takes this method of returning her sincere and heartfelt

felt in our community. Co. H, 17th Reg't N. G. Pa., to the Resolved, That we heartily sympa-Miss Jennie Jackson's music, which thize with the afflicted wife and family, of Ridgway generally, for their genmembers of the bar, and the citizens won hearty applause, as, in fact, did and tender them assurances of our erous aid and their free and kindly kindest consideration in this their sympathy upon the occasion of the sudden death of her husband, J. O. W.

Resolved, That a copy of these reso- Bailey, and assures all of a place in her family, and also published in the

CLABA M. BAILEY.

very particular in the other details; at comprising warrants 2469, 2609, 2605 all events, when mining operations 2665, 2663, 2703, 2690, 2671, 2689, 2691, were subsequently commenced, the 2607, 2638, 2600, 2606, 2692 and 2688, miners failed to find many of these containing 16,800 acres of land. The veins; the Cannel coal proved to be following is compiled from a report, "allunde," and a large part of the dated Dec. 6, 1856, to the McKean and Bituminous coal turned out to be Elk Land and Improvement Co., of 'bone." examinations made by August F. Dal-

The following remarks (condensed) son : and analyses are from a report of Dr. "The lands of the Company, an D. D. Owen, after an examination of area of upwards of 130,000 acres in all, the same lands, made about the same are situated within the northernmost date as the report before referred to : | coal fields of Pennsylvania, and con-"The lands which forms the subject sist of a plateau 2,000 feet above tideof this report comprise about 42,000 water, furrowed by many streams, acres, largely occupying an extensive which form deep valleys and ravines, plateau, whence arise the branches of thereby sensibly modifying the charthe Tunungwant, Tunactte and acter of a plateau ; the most important Kenzua. The base line of the railroad streams being the Kenzua, Tionesta survey is 844 feet above Lake Erie, and and Marvin creek. With the excepthe elevation of this plateau is from tion of some settlements on Marvin 650 to 700 feet above the valley of the creek and along the road between Tunnungwant, near the State line; Smethport and Ridgway, the whole hence the average elevation of these country is one continuous forest, bear table lands is about 1500 fect above ing an inexhaustible supply of valua-Lake Erie, and 2100 feet above tide- ble timber-hemlock is abundant along water. From 250 to 450 feet of the all the water courses. Warrants 2591. most elevated portion consists of the 2323 and 2487 may be degisnated as a coal-measures, including mill-stone pine country; and three cherry groves, grit and conglomerate. The main bed each covering upwards of 100 acres, of coal of Bradford, Lafayette and have been pointed out-one of these in Corydon townships lies from 50 to 100 warrants 8121, 3127, and on east, confeet below the general level of the taining excellent timber. The Geologitable lands, and underlies a conglom- cal survey was confined to the 16 warerate, or pebbly, sandstone, being rants, above named, designated as the

from 30 to 50 feet below it. The gen- "Howard Hill Region," upwards of eral dip of the coal-measures is a little 60 shafts were dug, varying from 6 to west of south, and they contain at 20 feet in depth, and 8 distinct least four good workable beds, lettered veins of coal were found, of which A, E, G and L. The lowest of these, however, 4 appear too thin for mining. A, known as the "Splint Vein," av- The veins of iron ore and coal are des erages four feet in thickness, covered ignated by the numbers 1, 2, 3, &c., generally by eleven feet of bituminous beginning with No. 1, at the bottom of shales, upon which reposes 30 to 60 the section, it being a vein of iron ore feet of sandstone, the lower 12 to 20 five feet in thickness. About 70 feet feet of which contains pebbles. The above the iron ore bed, called No. 1, is E coal is about 104 feet above the A, a bed of splint coal 41 feet in thickness, and has, a short distance below it, which is designated, on the section, as about 25 feet in thickness of sandstone, No. 3. This is the lowest vein of coal, with small pebbles. The E bed con- and correspondents in position and tains both Bituminous and Cannel thickness with the "A" vein found coal; the Bituminous part is a bright, north of the Kinzua. It consists of a

hard coal. On a trial made by the splint coal of superior quality re-Manhattan Gas Company, of New posing on compact sandstone. The York, one ton of 2000 lbs, of the Can- vein was opened near the center of School Lantern, nel part of this bed yielded 9691 feet of warrant 2689, and found to measure as

Splint coal,

Splint coal,

coal in this area, this vein is assumed to

average 4 feet in thickness, to underlie

11,890 acres, and to contain 76,000,000

No. 10 is the next important coal

vein. In the section it is placed 132

feet above the splint vein No. 3. It is

named the Bond Vein, owing to a drift

cubic yards of coal, each cubic yard tures,

Coal.

weighing about one ton.

Clay.

. 9 in

cents.

. 20

• • 184

gas, and 44 bushels of coke, weighing follows: 1523 lbs. This coal seems to be variable, in the proportion and quality of 3 ft. 8 in. the two varieties, and has sometimes clay or slaty partings. At one locali-

FEET. IN. Bituminous coal, Clay parting, Cannel coal, Black shale, or slaty Cannel, Bright Bituminous coal, · 1 Clay parting, . Bright Bituminous coal

ty the bed was as follows : In computing the total amount of

Total thickness.

£ 0.		the second se
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