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## Summary of Statistics of Pollution of Schuylkill River.

Investigations made from December 19th, 1883, to Jansary 14th, 1884,

			Η <b>Q</b>	STRIOTS	, o	<b>Q</b>	
TTENKS.	FIRST. (Whole Valley above Rending.)	SECOND. (From Upper Boundary of Resul- ing to Mouth of Manatawny Creek.)	THIRD. (From above Marking Creek to intake of Phonix ville W	FOURTH.  Water Works to  Worristown Water  Works.	FIFTH. (From Norristown Water Works to Conshohocken Water Works)	SIXTH. (From Conshobocken Water Works to Roxfore Pumping Station.)	SEVENTH. (From Roxborough Pumping Station to Fairmount Water Works.)
Drainage Area,	656.9 mp. m/s.	398.0 sq. mls. (1,054.9 "	149.4 %!? 1,204.3	ं सर्वेड	29.5 mg. m.k.	( 38.5 Hy. m/s 1,789.9 "	74.0 sq. mis. 1,863.9 · "
Population,	91,000	( 86,000 177,000	25,500	64,560	( 19,500 286,500	( 16,200	48,800
DomESTIC SEWAGE. Daily Water Supply, Representing Domestic Waste Water,	2,600,000 gals.	(4,500,000 gals. (7,100,000 "	( 200,000 gals. 7,300,000 "	b ( 475,000 gals. (7,775,000 "	950,000 gals. 8,725.000	75,000 gala.   8,800,000	
having Direct Wat	4,300	600 (4,900	500	(1,9 <b>50</b> (7,350	(1,300	675	1,760
Population having indirect or Filtered Water- closet Drainage Privies on Backs of Streams, Cesspools with Overflews to Sew- ers or Streams, etc., <sup>4</sup>	2,500	2,700	3000	3,200	1,750	, 150 ( 5,100	002'9
Population having complete Brainage by Water Carriage to the River,	2,500	( 150 2,650	250	(1,000 (3,900	150 4,050	4,150	( 100 ( 4,250
Population having Direct Dasinage for Wash Water only,	1,500	250	( 200 ( 1,950	400 (2,350	700 (*3,050	( 100 (3,150	400
Population having Eutter Drainage for Wash Water,	15,000	(15,000	32,000	95,500	5,000	(2,000	2,500 45,000

EFF Figures in Rev Ing indicate totals down to the lower and of the district represented by the column in which they occur.

a From public supply only.

b Perkionen Water-shot above Schwenksville not included in the remainder of this column.

e Including population in mills having privies over streams, or water-closets discharging directly into them.

d Estimated from data obtained from manufacturers, boreagh surveyors and other local authorities, and from observation.

o Including Insane Asylum at Norristown,

<sup>&#</sup>x27;Estimated from data obtained from botough surveyors and other local authorities, and from observation.

USED IN	FIRST	SECOND	THIRD	FOURTH	FIFTH	SIXTH	SKVENTH
	DISTRICT,	DISTRICE.	DISTRICT.	DISTRICT,	DISTRICE.	DISTRICE.	DISTRICT.
Woolen Mille.		#	74 B	84 × 0	. B .	5 <b>5</b>	(16 (35
Quantity of Wool scoured per day		(284 Ibs.	372 ::	306 507	12,815 lbs.	6,800 lbs.	92,821 " 507 "
Quantity of Soda Ash used per day		<b>1</b> 2	ab 'ad  ≥ ≥	a =	366	. 99E)	340 706 14 5
Quantity of Tallow used per day		. <b>₹</b>	# * #   00 m }	<b>ω</b> ∤ανώ  ε : :	136 136 88	216 216 58 58 58 58 58	360 ± 776 ± 418 : 588
Quantity of Caustic Soda used per day		<b>ය</b>	2.5 2.5	•1 m	<b>X</b> • 1 % • 1	38 13 13 13 13 13 13 13 13 13 13 13 13 13	38 197
Number	ò	•	es	9 🚆	N #	2 3.5 1,700 lbs.	( 5   21 1,700 lbs.
. 8. :		8,500 II <sub>36</sub> .	8,500 lbs. 2,500 " 4.500 "	( 822 lbs. 4.500	9,322 8/s. 4,500 "	( <b>6,850 "</b> ( 16,172 " 4,500 "	{ 34,172 " 4,500 " 4,500 " 15,180 "
Quantity of Wood (mostly Poplar) used per day			<b>B</b> cords.	S conde.	S corrise.	G cordin.	94 cords.
Quantity of Jute Butts used per dayQuantity of Jute Sucks used per day		} 5,000 lbs.	5,000 Ilia.	5,000 lbs.	11,000 lbs.	( 1,700 lbs. ( 12,700 ° 5,000 ° 6,430 °	5,000 %
	pest Figures in B 機能で記された Unc	Red Indicate totals Norms order delete o	dimates tracked on a	end of Use district repre-	spiresonied by the ordunar	na in which they seem	llr.

MATERIALS USED IN	FIRST	SECOND	THIRD	FOURTH	FIFTH	SIXTH	SEVENTH
- A- 37	DISTRICT,	DISTRICT.	DISTRICE.	DISTRICT.	DISTRICT,	DISTRICT.	DISTRICE.
PAPER MELLA—Continued, Quantity of Line used per day		(2,500 lbs.	5,000 list.	533 Ila.	( 1,400 lbs.	( 2,700 lbs.	3,000 lbs.
		* 556	97.500 ::	8,033	9,433	12,133	43,133
Quantity of Soda Ash used per day		 <b>90</b>	120 "	) 411 °	355	, 2,466 ·	3,400 "
		}	2,000 %	2,411 "	2,466 "	320 "	5,866 ''
Quantity of Chloride of Line used ner day.		, 400 "	2,000 " 120 "	, 271	4,330 ::	6 515 %	7,540 "
		700	3,400 "	3,523 "	7.853 %	8,368 - 220 -	15,908
Quantity of Copperas used per day				9	. 09	,, o∌ j	. 69
				100	, cor)	. 001)	100 "
Quantity of Alum used per day			100 lbs.	* * * * * * * * * * * * * * * * * * *	125 "	130 "	255
Quantity of Rosin used per day				· cgT		(256 356 31 31	: **
Quantity of Clay used per day				200 11/2	300 S	: 036	- + C
Quantity of Yelkow Other used per day				29	58	* 60 00	÷ 68
Quantity of "Orange Mineral" used per day			60	;;	- - -	; <del>(9</del>	; e
Quantity of "Ultra Marine" or Antime Blue used				Ŧ	. (		
Quantity of Water used per day		a 755,000 gal≽.	755,000 gals.	C461	د م د م 1.331.000 ومالخ	500,000 gals.	2 ( 2,070,000 gals.
Dre Housse, Generally in connection with Worlen or Cotton Mills,			;	(1,331,000		(1,831,000 "	(3,901,000 "
Number	٥	*	<b>C4</b> :	۲,	₽- 	<u>-</u>	<b>5</b> 95
Quantity of Acetic Acid used per day			\$	٥	(14	(21	13 11.47
Quantity of Muriatic Acid used per day							
Quantity of Oxalic Acid used per day					4	् च	, 86
Quantity of Tartaric Acid used per day						•	
•	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	olys, indicate telefores		<del>-</del>	sentesi by the colosus	sis which they seem	رز.
	1 . A	A A A A A A A A A A A A A A A A A A A	Piss 4h) espécies dell'altria		H.C. Words.		

I liestites two from which statistics were not obtained.

e By six mills only,

d By four mills only,

e By three mills only.

b By one mill only.

4 By two milks only.

MANUFACTORIES USED IN WASTES INTO STREAMS.	FIRST DISTRICT.	SECOND- DISTRICT.	THIRD DISTRICT:	FOURTH DISTRICE.	FIFTH DISTRICT.	ELXTH DISTRICT.	SEVENTH DISTRICT.
Dyn Ho	7				14 HH,	14 Hr.	
Quantity of Afiline Dyes used per day			<u>#</u>	<u></u>	<u>~</u> 4	a(64 ⊕	( 130 ° ( 118 ° ( 124 ·
							, <b>10</b>
Quantity of Butter of Antimony used per univ							27 10s.
Quantity of Aqua Ammonia used per day	-				· · · · · · · · · · · · · · · · · · ·	15   s.	243
Quantity of Aqua Fortis used per day							<b>2</b>
Quantity of Archil Liquor used per day							674 "
Quantity of Oak Bark used per day		11		7 <u>1</u>	H 11.	±	1 256
Quantity of Barwood used per day							\$2
Quantity of Bichronnte of Potssh used per day		(3 lbs.	<u></u>	0.5 lbs.	20 .	20 lbs.	, 101 /
Quantity of Black Dye used per day				_		ı	: ; □ <b>\$</b>
Onantity of Rine Stone (Rine Vite'l) used per day		, 4 llm,	.3	: e	(45 lbs.	25 lbc.	227 "
		: <u>-</u> -	; ,	: . <del></del>	4.8 ::		3000
Quantity of Borax used per day							 
Quantity of Barlapping used per day							e es
Quantity of Camwood used per day							. 41
Quantity of Catechu (Cutch) used per day					51 135	£	, 939
Quantity of Caustic Sode used per day							. 356 )
	May Trace in the	se §vs indicate asa.	s down to the lower of	and of the effective requirement	presented by the relating in large each	us ic which they co	
For three or four months in the west only							Andreas Company of the Company of th

<sup>·</sup> For three or four months in the year only,

The second secon

MATERIALS USED IN MANUFACTORIES DISCHARG WASTES INTO STREAMS.	FIRST DISTRICT,	SECOND DISTRICE.	THIRD DISTRICT.	FOURTH DISTRICE.	FIFTH DISTRICT.	SIXTH DISTRICT.	SEVENTH DISTRICT.
Dyn Houses.—Continued. Quantity of Nitrate of Iron used per day					70 IIs.	70 ile.	70 53s.
Quantity of Litharge used per day							3 9 6 19 6 19 6
Quantity of Logwood, Extract, used per day		(40 lbs.	(40 )] (13 "	133 +	349 ° 13 ° 13 ° 13 ° 13 ° 13 ° 13 ° 13 ° 1	(270 lbs. 619 :	2,196 "
Quantity of Logwood, Extract, (liq'd) used per day. Quantity of Logwood, Chipped, used per day		16 li≱ . s	13 11%	(29 ))e.	25 158 1.58 1.58	950 lbs.	2,750 " 20 " 3,729 "
Quantity of Madder used per day			¥				2 2 3   <b>2</b> 10 80
Quantity of Red Liquor used per dayQuantity of Red Sanders-wood used per day							60 60 FEE
Quantity of Sal Sods used per day			H H	# # #   # # #	143 liss.	146 lks.   _1 °   40 °	380 " 526 " 1 "
Quantity of Soda Ash used per dayQuantity of Stannate of Soda used per day					27 "	69	
Quantity of Sumac, Powdered, used per day					40 lbs.	£4. €4. 	(156 ° (193 ° (348 °
Quantity of Muriate of Tin used per day	7 (3 Suring 19.1%)	Dore Lynn by E. Den 1984.				ries system in which sher param	(388 ° 40 ° 30 °
	: ''	· # II	Galates based on date	in and some of the state of the	:		

MANUFACTORIES DISCHARGING WASTES INTO STREAMS.	FIRST DISTRICT.	SECOND DISTRICT.	THIRD DISTRICT.	FOURTH DISTRICT.	FIFTH DISTRICT.	SIXTH DISTRICE.	SEVENTH DISTRICT.
Dye Houses.—Continued.							the same of the sa
Quantity of Turnstric used per day				•	(14 lbs.		€ lbs. ∫ 578"
Whatting to the total partial			<u> </u>	zš *1	. 15	· ·	. 593
Quantity of Whiting used per day							, ot
_						e e	, pg (120 m
PRINT WORKS.				***************************************			(240°"
Number						H	ч
Product per day				***		40,000 yds.	40,000 mis.
Quantity of Muriatic Acid used per day	***************************************					200 lbs.	200    4.
Quantity of Oxalic Acid used per day		:				240 "	240 "
Quantity of Tartaric Acid used per day						» <b>T</b>	× нч
Quantity of Alum used per day						а <b>Б</b>	: \$4
Quantity of Amiline Dyes used per day						3	r en
Quantity of Aniline Oil used per day						, <b>4</b> 1	: %
Quantity of Antimony used per day						* M	: m
Quantity of Aqua Fortis used per day						₹ \$68	: :08
Quantity of Burwood used per day						390	390
Quantity of Ei-chromate of Potash used per day						, ser	195 "
Quantity of Blue Vitriol used per day						, 9T	16 "
Quantity of Catechu (Catch) used per day						5 10	, G
Quantity of Chlorate of Fotash used per day						s 19	'n
Quantity of Chloride of Lime used per day						72 "	73 ::
Quantity of Citron Bark (Extract) used per day	7777						33
Quantity of Copperas used per day						, EI	13 "
Quantity of Gambier used per day						281 "	233
Quantity of Indigo used per day						128 "	128 "
	kar-Figures in R	Rentsk inhale tek	odals down to the lewer	and of the district re	represented by the educina	yash dasaw gi	
				*			

Parex Worksa—Confined.	ING W	FIRST DISTRICE.	RECOND DISTRICE.	THIRD DISTRICT.	FOURTH DISTRICT.	. FIFTH DISTRICT.	SIXTH DISTRICT.	ŠEVENTH DISTRICT.
95 bk. 95	PRINT WORKS,—Continued.				The state of the s			
A   Dec day   2 gals   2 gal	3			-,	0.411		95 lbs.	95 Ib.
4   4   4   4   4   4   4   4   4   4							2 gala.	Z gals.
1900   1900	Quantity of Lime used per day,						260 lbs.	260 the
190	Quantity of Litharge used per day						3	
1869   1869								
10   10   10   10   10   10   10   10	_						300	
1985   1982   1983   1983   1983   1983   1983   1984   1983   1984   1985	Quantity of Sal Sada used per day						8	: 29
1982   1982   1983   1984   1985	Quantity of Soap used per day						4	÷ ©
1985   1985	Quantity of Sada Ash used per day						* 584	483
105   105	aad pasa l						3 64	÷ 24
185							105 "	. 90I
186	ž						* 46	2. 49
Seed per day   Seed per day	Quantity of Sulphur used per day						1.85	185
3   2   2   2   2   2   2   2   2   2	Quantity of Tin (bar) used per day						‡ *#	- ₩
3   2   2   2   12   12   12   12   12	Quantity of Tin Crystals used per day						0.75 "	0.75
3   2   2   12   12   12   12   12   1	aaki paso						<b>4</b>	y rđ
3	GAS WORER			•••				
130,000 cu. ft.   130,000 cu. ft.   27,000 cu. ft.   9,000 cu. ft.   60,000 cu. ft.   25,000 cu. ft.   185,000 cu. ft.   212,000 cu. ft.   221,000 cu. ft.			6	<b>29</b>		C	<u>, , , , , , , , , , , , , , , , , , , </u>	<b>61</b>
130,000 cu. ft.   185,000   1212,000   1221,000   1281,000   1306,000 cu. ft.   185,000 cu. ft.   185,000 cu. ft.   185,000   1212,000   1221		,	, s	<u>,</u>	, <b>2</b> 3	_ <b>6</b> 5.	100	[12
Figures in Research 1880 with 1880 with relicition of the discrete represented by the column in which liety occur.		æ	( 130,000 cm, ft.		ď,	된	( 25,000 cu. ft.	g ( 45,000 cu, ft.
Per day		25,000 cu. ft.	185,000	1212.000	, 231,000 ·	281.000		
per day         917 gals         150 "         150 "         150 "         150 "         150 "         2567 "           discharged         180 "         180 "         180 "         180 "         180 "         180 "           Red* Figures in Ren Isk indecate totals down by the standard of the district represented by the column in which they are not at a date obtained from similar words.         180 "         180 "         180 "	8		725 gals,	725 843.	725 gala.	725 gals.	725 gala.	725 gals.
per day         917 galk         150 "         150 "         150 "         350 "           discharged         180 "         180 "         180 "         180 "         180 "         180 "           per day         180 "         180 "         180 "         180 "         180 "         180 "				, 90E		7,000 "		, 200 °
nete dischanged  180   1.167   (2.167   2.567   1.2567		917 gals.	= 0	, ,	: : : : :	3 C S		
180 180 180 180 180 180 180 180 180 180			30	(1017)	1.167	(2,167	2,567	2,567
Red Figures in them by to indicate totals down to the total of the district represented by the soluturan	9 E		380 "	180	: 681	180	881	
<b>1979</b> Figures of hearsty degree for the few desired from single works.				· :	· : · · · ·			
		<del></del>	AND DOCUMENTS OF	rational care in the control of the	er of the Alexa obtained Irons	7		

m By four only.

MATERIALS USED IN MANUFACTORIES DISCHARGING WASTES INTO STREAMS.	FIRST DISTRICT.	SECOND DISTRICE.	THIRD DISTRICT.		FIFTH DISTRICT.	SIXTH DISTRICT.	SEVENTH DISTRICT,
Gas Works—Continued. Quantity of thick but less pulpy matter, (chieffy Tar,) discharged into the river per day				<b>♣</b>	17 gala.	0 gals.	0 gala.
Quantity of thin, turry, and oily liquid, (mostly water,) discharged into the river per day	5,000 guls.	160 gals.	550 gals.	710 "	7.10 "	, 000's	, od " 5,000 "
Yander.	ĸ	{ 7 (12	* (1 <u>1</u>	* 8t)	18	18	1.8
Average number of Cattle Hides used per day	\$1 \$1	36 52 4	22 4	4.4. 8.5.6 8.5.6	6.55	6.5	6.5
Average number of Caff-skins used per day	<b>₽</b> Ì	72 252 266 669	, 71 , 66	73 9 10 10	73	( 73 ( 75	72 25
Average number of Sheep-skins used per day	160 lbs.	170 160 * 43 *	170 ( 43 lbs. ( 320 "	170 27 % 27 %	170 ( 65 li≋, ( 347 °	170 ( 65 lbs. ( 347 "	170 ( 65 lm. ( 347 "
Averege quantity of Hen Manure used per day	1.5 buşh.	(2 bush.	<b>3.5</b> insh.	0.20 bush. 0.25 a. 3.75 a.	0.20 kush.	(0.20 hush.	( 3.75 "
Average quantity of Bark used per day	13,000 lbs.	5,500 lbs, 5,500 s 5,500 s	( 5,500 ll≈. ( 24,000 °	5.500 "	5,500 lbs.	( 5.500 ll%,	( 5,500 lbs. ( 28,100 "
Number		<i>A</i>	7	п	<b>+</b>	- ;	
Average quantity of Gresse used per day		240 lbs.	240 Us.	240 lbs.	240 ibs.	240   %     75 "	240 ibs. 75 "
Average quantity of Sal Seda used per day		3 25	: 55	- -	# <b>5</b>	, <b>5</b> 5	250
	Learnes in Rr.	n INK indicate lets seconda infacto	down to the lawn Burtey based on	r end of the district rep	the district represented by the column in whinstand from similar works.	; <u>5</u>	they exerts.

<sup>2</sup> By one only; others very small, D By one only; other uses conl. 2 Probably very little, if any politition. 3 One claims no pollution; the other very little. 9 Not in operation.

MATERIALS USED IN MANUFACTORIES DISCHARGING	FIRST	SECOND	THIRD	FOURTH	FIFTH	RIXIB	SEVENTH
WASTES INTO STREAMS.	DESTIGET,	DISTRICE,	DISTRICE.	DISTRICE.	DISTRICE.	DISTRICT.	DISTRICE.
SOAP WORKS,Continued,							
Average product (Hard Soap) per day		410 lbs.	\$10 Bw.	430 De.	410 Us.	430 Hs.	410 lbs.
Average quantity of Spent Lye discharged into		19 gals.	1.9 gale.	19 ga/a.	19 :54:8.	39 gals.	IB gala.
GLUE WORKS.	н	₫,	Ç4	cv	24	C4	<b>.</b> 74
Quantity of "Hide Stock" (Scraps from Cattle Bides and Feet) used per day		1 2 2,500 lbs.	2,500 )!».	2,500 5%.	# 2,500 Pe.	2,500 Fe.	2,500 bs.
Quantity of Beef Legs used per day	700 l)#.	<b>2,500 "</b> 2,500 " 700 "	, 2,500 °	1 2.503 -:	, 2,500° ° , 300° °	2 500 "	(2,500 " ( 700 "
Quantity of Lime used per day		123	: : : : : : : : : : : : : : : : : : :	122 7	122 "	122 " " " " " " " " " " " " " " " " " "	732 % % SEL
NEATS-FOOT OIL WORLS.		} ,	) } 	}		)   	}
Quantity of Beef Legs, Bones, and other Butchers' Offal used per day. Quantity of Oil produced per day.		500 lhs.	500 i) s.	300 Ds.	500 IIs.	\$000 S	\$60 lhs.
Breweries.	*	• •	, , , , , , , , , , , , , , , , , , ,	) Q	<b></b>	73	
Product per day		( 247 bhls. ( 247 -	14 bbis.	261.034	10 bbls 271°.	271 1884	95 lbls.
Quantity of Water used perday		, 16,000 "	*		a	199	(5)
Quantity of Grain per day		( 100 bush.	(100 bush,	(300 bush.	(100 knsh.	( 200 bush.	(100 bush.
Quantity of Whiskey produced per day		500 gala.	530 gale.	530 gals	500 gala.	500 jake.	500 gals.
	Per Mignes in Rep Ing Lay Mignes Unousana		is the		discolistrict regatescuerd by the column is which they occur. and cross stadisc works.	ace its which they occur.	::ur.
f the year only.	b Including one not in operation.	3	o Not including three in the First District,		d Not including three in the First District and one in the Seventh.	First District and o	

MANUFACTORIES USED IN MANUFACTORIES DISCHARGING WASTES INTO STREAMS.	FIRST DISTRICT.	SECOND DISTRICE.	THIRD DISTRICT.	ii	ii !!	. H	SEVENTH DISTRICT.
WOOL HAT FACTORIES.							
Number		11	ę,	33	ťľ	1.7	1.7
The dust was done		(13,140	(33,340	**************************************	041,11	11,140	(11,140
Froduct per day		4,270	4,270	4,270	4,730	4.270	( 4,270
		( 40 88.	; 40 !!.»;	- × 0.4	£0 lbs.	*i 0 <b>*</b>	40   18.
Quantily of Fulfing Soup used per day		426 "	2 5 2 3	- 95 <del>4</del>	: 936 ;	A	426 %
		8	: 88: -	, se	. 33	: 33	÷ \$€ )
Quantity of Coppers used per day		360 "	360	360 %	. C9E		(360 "
		33	: 15 15	.= 00 (%	: : : :	. 88	33 4
Quantity of Logwood used per day		, 3 <del>6</del> 0 "	: 09E)	- 1999 	. (386)	. 360 	(360 "
Contaction of Disco Without and man days		, 17	: 4T	137 "	· 27 }	: 47	f 37 "
Quantity of Dive vittion used per day		, 081 (318)	180	. 380	, 081	1.80 %	, 380 "
Quantity of Water used per day, nuestly in washing and fulling hats.		400,000 gals.	400,000 gals.	400,003 cuis.	400.000 cils	400,000 4455	400.000 cals.
FUR HAT FACTORY.							
Product per day				13	2.7	17	3.7
Quantity of Chipped Logward used per day				50 lbs.	50 list	50 live.	50 lis,
Quantity of Chipped Fustic used per day				; (9)	i es	÷ ry	en en
Quantity of Cudhear used per day				* <b>5</b>	1.5 "	: भी:	1.5 **
Quantity of Hypernic used per day				લ જ જ	ং পুজ	: ሾል የዓ	વૃક્ષ
Quantity of Oil of Vitriol used per day				3		÷ (%)	: 84
SLAUGHTER HOUSES.					2		
Number	<b>ت</b>	و ^ و	و د	و <sup>د</sup> ه	es <sup>∞</sup> [	٠ <u>^</u>	್ಕೆ
Number of Cattle slaughtered per day	υ		ంద	Ĉ.	<u>م</u> ه	్ర	<i>≏</i> .
Number of Hogs slaughtered per day	- G	a c s	50	å Ç	<b>96</b> 5 6	કુ ઇક	59 59
		Sto Eve in Popo 5 1st move outpoint Best of	s down to the lower o	end of the detries veges tax elektron from simi		Specific the religions to which they occurs, or works,	#
A CONTRACTOR OF THE PROPERTY O	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	W. J. W.				

							XII.
MATERIALS USED IN MANUFACTORIES DISCHARGING WASTES INTO STREAMS.	FIRST DISTRICT.	SECOND DISTRICT.	THIRD DISTRICT.	FOURTH DISTRECT.	FIFTH DISTRICT.	SIXTH DISTRICT.	SÉVENTH DISTRICE.
Колли Миля,						V	
Number	н	• <u>*</u>	<b>•</b> 3	N eq	15	, 16 16	\$ []
Quantity of Oil used on rolls per day	20 gals.	# € Sals.	ها (1934) د د	्र <u>हैं।</u> ७ <b>क</b>	(10 gala.	% \$7 \$7 \$7 \$7 \$7 \$7 \$7 \$7 \$7 \$7 \$7 \$7 \$7	ம் மி. மி. மி. மி.
K Wor			,		, <b>*</b>	,	,
Quantity of Oil of Vitriol wasted per day					lgal.	(1) (1) (1)	
							,
	Sim Physics is	Mos tyre indicate neads	down to the hower	onskof the district ra	rapresentative Use velu	odpop in which day ox	<80.0%
			•				

d By five only.

e By three only.

h By two only.

4 By one only.