street shall be as shown in the following measurements for distance in this table at the return or junction of Middaugh manner that the plains at the top and road-table of grades, and the grade of the said shall be made from the easterly line of avenue to the north at Chicago avenue, elected by said radius. At the time charged or empty.

TABLE OF GRADES. 43.10 100 feet east ,...........43.00 200 feet east39.20 37.40 36.50 37.00 37.70 41.00 42.20 41.20 40.10 40.10 41.30 42.40 43.50 44.60 45.00 1,600 feet cast 44.90 44.00 43.30 44.80 45.20 46.20 46.20 2.100 feet east 45.90 44.70 43.10 41.70

PRINCE AVENUE GRADES. the concrete gutter flag next to the brick to-wit

payement, and the elevation above the es Beginning at the northerly line of Frank- Lablished village datum of the finished lin street and thence measuring portherly grade of the top surface of the brick pave in Prince avenue along the curb lines, also ment at the center line of the said Prince along the edge of the concrete gutter flags avenue shall be as shown in the following next to the edge of the brick pavement, and table of grades, and the grade of the said also along the center line of the brick pave- curb and gutter flag and brick pavement at ment as herein provided for, the elevation intermediate points of those given shall be above the established village datum of the proportional to those given and all measunished grade of the top surface of the said | urements for distance in this table shall be concrete curb, and the elevation above es I made from the northerly line of Franklin tablished village datum of the finished street, unless otherwise noted, and said grade of the top surface of that part of grades are hereby established as follows,

TABLE OF GRADES

from the north Franklin street.	of finished grade curts	of flubbed grade gatter flag.	of flabshed grade f of pavement.	of finished grade guilter flag.	of finished grade curb.		
Helatter Her of	Elevation of rated	Elevation of cast	Elevation of of ornier of	Elevation of of west gr	Elevation of of west co		
On the north line	40 10	39.70 39.30	39.90 39.40	39.40 38.90	39,80 39,30		
150 feet north		TN 1903	39 20	38.60	39.00		
200 feet north	39 60	30 20	339 700	30.20	39, 10		
230 feet north	40 70	40.30	40.80	40.40	40.80		
3m feet morth	42 50	42.10	42.60	42.50	42.90		
350 feet north	. 43 90	43.50	44.00	44 190	44.40		
400 feet north	45 . 10	44.70	45.20	45.20	45.60		
450 feet north	46 . 10	45.70	46.20	46.20	46.60		
500 feet north	46 . 90	46.50	47.00	47.00	47.40		
533 feet north			47.80				
tim feet north	49 . 30	48,90	49.40	49.40	49.80		
Gen feet north	30 . 70	50.30	50.80	50.80	51.20		
71mt feet north		52,50	53.00	53.00	53.40		
750 feet north	55 . 40	55.00	55.30	35.50	55.80		
800 feet north	37 .90	37.30	59.00	58.20	58.70		
850 feet north	60 .30	50.99	60.40	60.60	60.90		
900 feet north	(61 . 56)	61.40	61.90	62.20	62.50		
950 feet north	62 . 60	61.60	62, 10	62.40	62.80		
LORD feet north	(11 . 80)	61 40	61.90	62.20	62.60		
1.030 feet north	61 . 30	6349 , 5344 6443 , 544	61.40	61.40	61.80		
1.100 feet north	60 . 90	60.50	61.00	60.70	61.10		
1.163 feet north	60 . 50	60.10	60.60	60 10	60.50		

wand avenue, and thence measuring easterly of the top surface of the brick pavement of in Prairie avenue along the curb lines, also the center line of the said Prairie avenue, along the edge of the concrete gutter flags | shall be as shown in the following table of next to the edge of the brick payement, and grades, and the grades of the said curb and also along the center line of the brick pave. I gotter flag, and brick pavement at interment as herein provided for, the elevation mediate points of those given, shall be proabove the established village datum of the portional to those given, and all measurefinished grade of the top surface of the ments for distance in this table shall be said concrete curb, and the elevation above I made from the easterly line of Oakwood established village, datum of the finished arenne, unless otherwise noted, and said grade of the top surface of that part of the grades are hereby established as follows, confrete gutter flag next to the brick pare. to wit

PRAIRIE AVENUE GRADES. ment, and the elevation above the establishming at the easterly line of Oak- lished village datum of the finished grade

TABLE OF GRADES.

Street, St.				the transfer of the second			-
	li fe		age confi-	grade :	grade ent.	grude f.	grade
			is Se	£	sished gra pavement	S	E
	the east				-	- 28	
	2.5		ün ished ar b.		finished paven	.01	ž
	4.5		-2.4	f finish gutter	T T	f dalsi	4 /
			fund	45	-	- E	day
	from			7 7	~ °	5 5 5	. 5
	2.8						3 △
	nce from		12.8	tion (tion o	flon	thon a
	50		- 1	= 3	₹ 8	4 8	2 2
	18 0		2 3	2 2	2 20	2 4	2.4
	Distance of Oak		Elevation to send	Elevation of south	Elevation of cent	Elevation of nort	Elevation of daished of north curb,
n t	he ens	t Ilne		52.40	32.90	52.50	32.96
50	feet	east		50.90	51.40	51.10	51.50
100		enst	49.30	48.90 47.20	49.40	49.30	49.70
200	feet	east		47.20	47.70 46.40	46.20	48.10
250	feet	east		44.90	45.40	45.10	46.60 45.50
300	feet	east			43.60	40.10	40.00
350	feet	east	44.50	44.10	44.60	44.30	44.70
-pnn	feet	cast	44.90	44.50	45.00	45.00	45.40
450	feet	east	45 . 60	45.20	45.70	45.80	46.20
5490	feet	enst		46.40 48.10	46.90	47.10	47.76
600	feet	cast		49.88	48.60 50.30	48.80 50.50	49.20
628	feet	east		40.00	51.50	50.50	50.90
650	feet	cast		51.50	52.00	52.20	52.60
700	feet	enst		52.60	53, 40	53.60	54.00
750	feet	enst	54.70	54.30	54.80	54.80	55.20
800	feet	en:		55.70	56.20	55.80	56.20
850	feet	east	57.50	57.10	57.60	57.10	57.50
900	feet	cast		58.20	58.60	58.10	58,50
966	feet	east		57.60	58.70 58.10	57.60	58.00
050	feet	east	56.80	56.40	56.90	56.40	56.80
100	feet	east	54.90 .	54.50	55.00	54.50	54.90
150	feet	east	52.80	52.40	52.90	52.49	52.80
200	feet	cast		50.20	50.70	50.20	50.60
250	feet	cast	48 . 80	48.40	48.90	48.40	48.80
300	feet	enst	*** ***	46.50	47.80	10 00	
350 400	feet	cast	46.90	46.00	47.00 46.50	46.80	47.20
150	feet	east	46.49	45.70	46.20	46.00	46.40
500	foot	enst	46,30	43.90	46.40	46.30	46.70
550	feet	enst	46.50	46.10	46.60	46.50	46.90
600	feet	cast	46.90	46.50	47.00	46.70	47.10
820	foot	east		(2.10	47.20		
650	feet	east	47 . 50	47.10 48.20	47.60	47.10	47.50
700 750	feet	cast	48.60	49.20	48.70	48.20 49.60	48.60
800	feet	east		50.00	59.50	50.00	49.60 50.40
850	feet	east	50.90	50.50	51.00	50.50	50.90
000	feet	east	51.30	50.90	51.40	50.90	51.30
970	feet	east		COSTONAL OF	51.60	10-50100/1951//	
000	feet	east		51.10	51.60	51.10	51.50
250	feet	east		51.30	51.70	51.30	51.60
100	feet	east	51.60	51.20 51.10	51.70 51.80	51.20 51.10	51.60
150 200	feet feet	east		51.20	\$1.80	51.20	51.70
250	The second second		51.80	51.30	51.90	51.30	51.70 51.80
288		east		51.40	51.90	51.40	51.80

GRADES FOR RETURNS OR JUNCTIONS grade of east gutter 35.40. elevation AT INTERSECTING STREETS ARE inished grade of east curb 35.70. HEREBY ESTABLISHED AS FOL-

LOWS, TO-WIT: The elevation above established village face of the said concrete curb, and the ele- of finished grade of west curb 36.00, elevavation above the established village datum | tion of finished grade of west gutter flag of the finished grade of the top surface of | 35.60, elevation of finished grade of center that part of the concrete gutter flag next to of brick pavement 36.00, elevation of finthe brick payement, and the elevation above | lahed grade of east gutter flag 35.60, elevaestablished village datum of the finished grade of the top surface of the brick pavement of intersecting streets are hereby es-

tablished as follows, to-wit: At the return or junction of Franklin street to the south at Linscott avenue, ele-vation given for the south line of Franklin | ished grade of east curb 54.50, elevation street shall be as follows: Elevation of fin-

At the return or junction of Franklin street to the south, at east Parkway, elevations given for the south line of Frankdatum of the finished grades of the top sur- lin street shall be as follows: Elevation

tion of finished grade of east curb 36.00. At the return or junction of Oakwood avenue to the north at Chicago avenue, elevation given for a line 20 feet north of and parallel with the south line of Chicago aveaue shall be as follows: Elevations of finof finished grade of east guttter flag 54.10, ished grade of west curb 35.70, elevation of finished grade of west gutter flag 35.40, elevation of finished grade of center flag 35.40, pavement 54.60, elevation of finished grade of center of pavement 54.60, elevation of finished grade of west gutter flag 54.10, elevation of finished grade of west gutter flag 54.10, elevation of finished grade of west carb 54.50.

at intermediate points of those given shall and said grades are hereby established as parallel with the south line of Chicago avethe proportional to those given and all follows, to wit:

| The bricks composing a charge shall be shall be back filled with earth as herein thoroughly dried before making a test.
| Ished grade of east curb 59.50, elevation of described for the filling and grading of the loss shall be calculated in percentfinished grade of east gutter flag 59.10. Parkways. elevation of finished grade of center of The ceme brick pavement 59.60, elevation of finished

of finished grade of west curb 59.50. At the return or junction of Linscott FINENESS: avenue to the north at Chicago avenue, eleished grade of east curb 58.00, elevation of Stubbs gauge. finished grade of east gutter flag 57.60, ele- | SOUNDNESS: vation of finished grade of center of brick pavement 58.00, elevation of finished grade of west gutter flag 57.50, elevation of finish- ment, three and one-half inches in diameter, completely immersed in water for fortyed grade of west curb 57.90.

nue to the north at Chicago avenue, eleva- made on glass, and which has remained in the surface. the samples must then be tions given for a line 20 feet north of and | air twenty-four hours protected by a damp | weighed at once, and the scales be sensiparallel with the south line of Chicago ave- cloth, together with broken brickets of neat | tive to one gram, and the increase in weight nue shall be as follows: Elevation of fin- cement, which have remained in air one due to absorption shall be calculated in per ished grade of east curb 56.30, elevation of day, and immersed in water six days, shall, cents of the dry weight of the original finished grade of east gutter flag 56.10, ele- after being subjected to the action of steam | brick. vation of finished grade of center of brick four hours and then immersed in boiling HOW LAID payement 56,40, elevation of finished grade water four hours, showing no checking, of west gutter flag 56.10, elevation of fin-

ished grade of west curb 56.30. . At the return or junction of Prince avenue to the north at Chicago avenue, elevavations given for a line 20 feet north of, and parallel with the south line of Chicago nvenue, shall be as follows: Elevation of termined by this hed grade of east curb 60.30, elevation STRENGTH: of finished grade of east gutter flag 59.90, elevation of finished grade of center of

nue, shall be as follows: Elevation of fin-ished grade of east curb 56.60, elevation of ished grade of east curb 56.60, elevation of paved as provided for in this ordinance the surface of the pavement shall be swept vation of finished grade of center of brick shall be first graded, and thoroughly rolled clean, and after rolling, all broken brick pavement 56.70, elevation of fluished grade with a steam roller, weighing not less than must at once be removed and replaced by of west gutter flag 56.20, elevation of fin- ten tons, in such manner that the sub-grade sound and perfect brick. The surface of ished grade of west curb 56.60.

grade of east curb 58.40, elevation of fin- finished grade of the gutter flag on corre- of not less than 280 degrees of Fabrenheit, ished grade of east gutter flag 58.00, eleva- sponding sides of the roadway, so that when and after the spaces between the brick have tion of finished grade of center of brick pavement 58.50, elevation of finished grade of west gutter flag 58.00, elevation of finished grade of west curb 58.40.

At the return or junction of Frankiin street to the south at the alley between street to the south at the south at the street the readway, so that when the south the south the south street in provided for is placed thereon, and thoroughly rolled as here in provided for is placed thereon, and thoroughly rolled as here in provided for is placed thereon, and thoroughly rolled as here in street in provided the south the surface of the surface Foote avenue and Main street elevations given for the south line of Franklin street, be one inch above the finished grade of the shall be as follows: Elevation of finished gutter flag, as given on corresponding sides ment. grade of east curb 41.40, elevation of finish- of the roadway at corresponding distances, ed grade of center of brick pavement 41.70, and the finished grade of the brick paveelevation of finished grade of west curb men at the center of the roadway shall be next to the face of the curb on the east side | grades at corresponding distances.

sald pavement shall be 41.20. unished brick pavement next to the face of | thoroughly rolled. the south curb 30.00, elevation of finished brick pavement next to the face of the

mont street, elevation given for the east "street" shall mean street, avenue, road. line of Saratoga street shall be as follows: place, or other public driveway. The word | said improvement, he paid by special amesa-Elevation of finished grade of south curb "sub-grade" shall mean the surface of the 20.00, elevation of finished grade of center roadled as it shall be prepared to receive General Assembly of the State of Illinois, of brick payement 29.20, elevation of fin the foundation course of the payement. ished grade of brick payement next to the When filling is required in the road'sed, it face of the south curb 28.80, elevation of shall be made in layers not exceeding one the finished grade of brick pavement next to foot in depth, and each layer thoroughly the face of the north curb 28.80.

tion of the finished grade of the curb and pact, and leaves no depressions. All filling the elevation of the finished grade of the required for the roadbed and parkway shall gutter flag, and the elevation of the finished | be taken from the surplus material excagrade of the center of the said brick pave- vated from other portions of the street or ment are intended to show the elevation in parkways to be improved, and all surplus feet and decimals of the surface of said materials in the grading of the roadised Village of Downers Grove, Du Page County, curb, gutter flag, and finished brick pave and parkways shall be removed from the lillinois, provided for said improvement, to ment above datum, and the word "datum," site of the work. The parkways shall be wherever used in this ordinance, refers to smoothly and eventy graded, and by "parkthe datum plane, as heretofore established way" shall be meant the space between the both hereto attached, be and the same are by the ordinance as follows: That a base or curb and the edge of sidewalk next to the datum for the level of the village be establicenter of the street. Slopes of banks of lished as follows, viz : Forty and seventy- | filling, or of excavations in the parkways, three hundredths (40.73) feet below the top shall be made between the top of the curb dividual assessment, and also the assessof the water table at the northeast corner and the sidewalk with a sope not exceeding of the C., B. & Q. Railroad station on Main one foot vertical to three fest horizontal. street, which is also fifty three and fiftynine one hundredths (53,59) feet below the sewer manhole covers in the storm and sanitop of the stone foundation at the north- | tary sewers shall be brought to the finished west corner of the school building on the grade of the street, where manhole is losoutheast corner of Washington street and cated by means of lowering or raising the

Said ordinance for the establishing of a village datum or plane of reference for levels in the Village of Downers Grove, Da Page County, Illinois, was passed and approved April 17, A. D. 1902. That the word "elevation" wherever used in this ordinance refers to heights in said datum plane, and where any part of the finished brick pavement berein provided for, shall join or intersect any present payement, curb or gutter flag, the grade of said finished brick parement, and the present parement, curb or gutter flag, shall coincide at such points shall be spread a layer of clean bank gravel, of function or intersection.

curb and gutter shall be constructed on and it shall be graded from that size down each side of the roadways to be paved tex- to sand, in such proportions that a minicept across the roadways of all intersect | mum of voids shall be left, after having ing streets and alleys; between the said been spread, the above gravel shall be thorpoint, and on each side of the return or oughly sprinkled with water and rolled with unctions of the roadways of said streets, a steam roller weighing not less than ten avenues and allers, except that the gutter | tons, until the said layer of gravel is firm | annum after date thereof, payable annushall be omitted in roadways in the alley, and compact. Any depressions that may apreturns or junctions. The curb and gutter pear after rolling, shall be filled with the flag at intersecting roadways of streets, gravel of the kind herein described, and tersecting curb line proper, and shall the surface of the finished pavement. Upon coincide at such points of junction this layer of gravel shall be apread a layer or intersection. The radius of the curve of clean, fine sand, in such quantities as to to which the face of the carb that part of the curb next to the edge of the pave of one inch over the entire surface of the ment) shall conform shall be 10 feet for | roadbed, and true to the form of the finintersecting streets and avenues, and the ished pavement. Upon this layer of and, tadius of the curve to which the face of the | as above specified, shall be placed a course carb shall conform shall be 4 feet for inter- of vitrified paving brick, four inches in secting alleys, except as above specified. | thickness, and the brick to be of the size The curb shall be constructed parallel with and quality herein specified. The brick to the center line of the respective roadways he used shall be vitrified paving brick, the to be payed. Said combined concrete curb dimensions of which shall be the same and gutter shall be in dimensions and forms | throughout the entire works, and shall be as follows: The curbs to be il inches in leight and one-fourth inches in length, and thickness and 15 inches in depth, measured four inches in depth, and three and onefrom top to bottom of curb, the gutter flag | bat' inches in thickness, with the edges shall be 6 inches in thickness, and shall rounded to the radius of one fourth of an project 18 inches from the inner face of | inch. Said brick shall be free from lime, the curb toward the center of the road- and other impurities. Shall be as nearly way, and the finished grade of the top sur- uniform in every respect as possible. Shail face of the gutter flag where it connects be burned so as to secure the maximum with the face of the curb shall be one and | hardness and vitrified so as to make a lioone half inches below the finished grade as mogeneous mass. And when subjected to given for that part of the gutter flag where it joins or connects with the edge of the finished brick pavement.

The concrete required in the construction of said curb and gutter shall be composed by rolume of one part Portland cement, two parts clean, sharp torpedo sand and four parts of broken limestone, with enough water added to form the proper consistency. No particle of the limestone shall exceed one inch in its largest dimensions and of which the smallest particle shall be retained upon a steve of one-quarter inch mesh, and said broken limestone shall be and 24 inches, but if this is done, a record so proportioned as to size that the particles passing a sieve of three fourths inch mesh will fill the voids of the particles retained on such sieve without more than 10 fron disphragm. per cent excess of the small particles. One | CONSTRUCTION OF THE MACHINE part by volume of Portland cement mixed with two parts of clean, sharp torpedo sand at one or both ends, or by rollers under with enough water added to form the proper consistency, shall be used for surfacing the top and exposed face of the curb and gutter. The surfacing coat shall not be less than three-fourths of an inch in thickness, and shall be evenly troweled and broomed the trenches shall be excavated to sufficient width to receive the curb and gutter and necessary molding frames as herebefore specified, and the curb and gutter trenches shall be excavated to a depth of 6 inches below the underside of the curb and gutter flag, and shall be filled with cinders 6 inches in depth after having been well flooded with water, and rammed with a rammer. Said molding frames shall be securely fastened in place, and shall be carefully brought to of the bricks to be tested, and iron abraline and grade before they are filled with sive material. The brick shall consist of the concrete. Said curb and gutter flag that number of whole brick or blocks whose

torpedo sand shall be thoroughly mixed on a suitable platform, after which sufficient water shall be added to make a stiff mortat. The concrete for the hase of the gutter flag and back of the gutter mortar the aforesaid broken limestone, which shall have been thoroughly moistened, but shall contain no surplus water. After thoroughly mixing said mortar and broken limestone, the concrete above specified shall in the best workmaniske manner be deposited in the aforesald frames in layers not to exceed 6 inches in depth, and tamped until water flushes to the top of the concrete.

The top and exposed face of the curb

The cement required in the construction of the above concrete curb and gutter shall grade of west gutter flag 59.10, elevation be of Portland cement, and shall be sublected to the following tests: vation given for a line 20 feet north of and | will pass through the standard number 100 | previously exposed to the rattler test as

parallel with the south line of Chicago ave. sieve, having 10,000 meshes per square herein noted for abrasion and impact test. nue, shall be as follows, elevation of tin- luch, made of wire cloth, No. 40 wire, and the brick shall be dried for forty-eight It shall meet the requirements of the tion test begins. The brick shall then be

warping or swelling.

SETTING: cent of water, by weight, shall take initial gutters, and at right angles to the curb, set in not less than forty-five minutes and and perpendicular to the grade of the termined by the Gilmore needle.

Briquettes shall develop the following center line of the street. The joints shall ultimate tensile strength per square inch of be broken by a lap of three inches, and brick pavement 60.40, elevation of finished section: Neat, one day in air and six days when the brick are set they shall be rolled in water, 500 pounds. One part cement to with a toller, weighing not less than two of finished grade of west curb 60.30.

At the return or junction of Main street cle, and shall be, when thoroughly rolled and and form.
to the north at Chicago avenue, elevation compacted, eleven inches below the finished. The space paved, or edge next to the gutter flag shall

of said brick pavement 41.20, elevation of | Said brick pavement, including the gravel finished grade of brick pavement next to foundation, and cushion course of sand, the face of the curb on the west side of | shall be eleven inches in depth, all hollows or depressions that may appear after rolling At the return or junction of Main street the sub-grade as aforesaid shall be filled to the west at the alley north of Warren with a filling of the earth, and again rolled, avenue, elevation given for the west line all portions that cannot be reached by a of Main street shall be as follows: Eleva | roller shall be thoroughly tamped by hand, tion of finished grade of south curb 30.80, soft and spongy places, and newly made exelevation of finished grade of center of cavations for trenches, or other purposes, brick payement 30.90, elevation of finished not affording a firm foundation, shall be grade of north curb 30,90, elevation of dug out and refilled with boiler cinders, and The words "roadbed" and "roadway"

wherever used herein shall mean all of that part of the street between the gutter flags. At the return or junction of Saratoga and is that part of the street to be paved street to the east at the alley north of Bel. with the brick pavement. And the word rolled with a steam roller, weighing not less Para, 5. The figures showing the eleva- than ten tons, until the roadbed is com-Sixty-six existing storm and sanitary brick work or manhole.

One hundred and sixteen existing storm water inlets adjacent to the curb along the lines of the improvement, shall be adjusted to the grade and line of the curb, and placed on a concrete foundation, the size of the foundation to be the same size as buttom of inlet, and six inches in thickness, the concrete of said foundation shall be of the same material and proportions as that used in the curb and gutter.

PAVEMENT.

On the roadhed, as heretofore described, six Inches in thickness; none of the gravel Para, 6. A limestone concrete combined shall exceed five inches in any dimension, again rolled until the surface is even and smooth, and in form as herein provided for insure when compact a uniform thickness the fellowing test shall show a loss of not more than 24 per cent after the abrasion and impact test, nor show a water absorp tion exceeding 4 per cent of their weight when dry. The brick shall be subject to the cattler test, and made in such manner and with such machine as berein described. DIMENSIONS OF THE MACHINE: The machine shall be 28 inches in diam-

eter, and 20 inches in length, measured inside the rattling chamber. Other machines may be used varying in diameter between 28 and 30 inches, and in length between 18 of it must be attached to the official report. is ng rattlers must be cut up into sections of suitable length by the insertion of an

The barrel may be driven by trunnions neath, but in no case shall a shaft pass through the rattler chamber. The cross section of the harrel shall be a regular polygot having fourteen sides. The head shall be composed of gray east iron, not chilled or case hardened. The staves shall be composed of steel plates as cast fron peans, nitimately break under the wearing action on the inside. There shall be a space of one-fourth of an inch between the staves for the escape of the dust, and small pieces

of waste COMPOSITION OF THE CHARGE. All tests must be executed on charges containing but one make of naving material at a time. The charge shall be composed shall be constructed in sections not less combined volume most nearly amounts to than four feet, nor more than six feet in one thousand cubic Inches, or 8 per cent of ength, the aforesaid cement and sharp the cubic contents of the rattling chamber. The abrasive charge shall consist of three hundrel pounds of shot, made of ordinary machinery cast iron. This shot shall be of three sizes as described below, and the shot charge shall be composed of one-fourth (75 pounds) of the larger size, and threefourths (225 pounds) of the smaller size.

SIZE OF THE SHOT : The larger size shall weigh about seven and one-half pounds, and be about two and one-half inches square, and four and onehalf inches long, having edges rounded to a radius of about des-fourth inch. The small size shall be one and one-half inch The top and exposed face of the curb cubes, weighing about seven-eights of a and gutter flag shall then receive a coat pound each, with square corners and edges of mortar as above specified three-fourths REVOLUTIONS OF THE CHARGE: of an inch in thickness, and the front up-per edge of the curb (that edge next to the center of the street) shall be rounded to a radius of one and one-half inch is such twenty-eight nor exceed thirty per minute.

ages of the weight of the dry brick com-posing the charge, and no results will be considered unless it is an average of two

distinct and complete tests made on separate charges of brick. It shall be so ground that 92 per cent shall be selected from those having been hours continuously, at a temperature of 230 degrees Fahrenheit before the absorpfollowing boiling test: A pat of neat ce- weighed before wetting, and shall then be one-half inch in thickness at the center, eight hours. After soaking and before re-At the return or junction of Saratoga ave- and tapering to a feather edge, having been | weighing the brick shall be wiped dry on

Broken brick can only be used for breaking joints, and making cosures. The brick shall b. laid on edge close together in The cement when mixed with 28 per straight lines across the roadway between must have its final set in ten hours, as de- street, except at intersection and junction of lateral streets, where the brick shall be laid at an angle of 45 degrees with the At the return or junction of Foote ave-nue to the north of Chicago avenue, eleva-tion given for line of 20 feet north of and parallel with the south line of Chicago ave-(28) days. weighing not less than thirty pounds. Be shall conform to that of the arc of a cir. | the pavement then must be true to grade

to the north at Chicago avenue, elevation compacted, eleven inches below the finished. The spaces between the brick shall then given for a line 20 feet north of and paral- grade at the cepter of the roadway, and at be filled with paving pitch, the paving lel with the south line of Chicago avenue, the edge of the gutter on each side of the pitch to be poured into the spaces between shall be as follows: Elevation of finished | pavement. It shall be ten inches below the the brick, and to be used at a temperature extending from curb to curb, and so dressed as to conform to the crown of the pave

The header shall be constructed of threeinch by twelve-inch oak plank, properly him supported by cedar posts six inches in 41.40, elevation of finished brick pavement at the elevation as given in the table of diameter and three feet in length, firmly set in the ground, and spaced not more than five feet apart. Section 2. That the mangement of sale

improvement shall be under the general superintendence of the Board of Local Improvements of the Village of Downers Grove, Du Page County, Illinois, in accordance with the statute in such cases made

and provided. Section 3. That the said improvement shall be made, and the whole cost and expense of said improvement, including the sum of five thousand four hundred and seventy-eight dollars and ten cents (\$5,478.10), being the amount included in the estimate of the President of the Board of Local Improvements of said village, hereto attached, as the cost of making and collecting the assessment, which said amount does not exceed 6 per cent of the estimated cost of ment in accordance with the act of the entitled, "An Act Concerning Local Improvements, approved June 14, A. D. 1897, and all amendments thereto," and that the entire cost of said improvement shall be paid by special assessment as herein provided, levied upon the property benefited thereby, and that the said som of \$5,478.10 shall be applied toward the payment of the expenses of making and collecting said assessment. Section 4. That the recommendation of

the Board of Local Improvements of the gether with the estimate of the cost there of, as made by the President of said Hoard. hereby approved.

Section 5. That the aggregate amount herein ordered to be assessed, and each to ment against the municipality, if any,, or account of the property owned by said municipality, or for public benefit, shall be divided into ten installments, in the man ner provided by statute, and all of said in stallments shall be equal in amount, except that all fractional amounts shall be added to the first installment, so as to leave the remaining installments in the aggregate equal in amount, and each a multiple of one hundred dollars. The first installment shall be due and payable on the second day of January next after the date of first voncher issued on account of work done, and the second installment one year thereafter, and so on annually until all installments are paid. All installments shall bear interest at the rate of 5 per cent per an num until paid. Interest on such assessments shall begin to run from the date of the first voucher issued on account of world done as aforesaid, in accordance with the statute in such cases made and provided. Section 6. For the purpose of antici-

pating the collections of the second and succeeding installments of said assessment payable out of said installments, and bearing interest at the rate of 5 per cent per ally, and said bonds shall be signed by the President of said Village of Downers Grove, and be attested by the Clerk of said village, under the corporate seal of said village, said bonds shall be issued in accordance with, and shall in all respects conform to the provisions of an act of the General Assembly of the State of Illinois, entitled, "An Act Concerning Local Improvements, approved June 14, A. D. 1897, and in force July 1, A. D. 1897, and all acts amendatory thereof."

Section 7. The Attorney of said Village of Downers Grove is hereby instructed and directed and authorized to file a petition in | them, some mild, others severe. The some court of record, and of competent inrisdiction, in the County of Du Page and State of Illinois, in the name of said VIIlage of Downers Grove, praying that steps be taken to levy a special assessment for said improvement in accordance with the provisions of this ordinance, and in the manner provided by law.

Section 8. That all ordinances and parts of ordinances, in conflict with the provisions of this ordinance, are hereby express-

force and take effect from and after its

passage, approval and publication. Passed April 7, A. D. 1908. Approved April 7, 1908. Published June 19, A. D. 1908 J. W. HUGHES. President of the Village of Downers Grove.

Clerk of said Village. Ills of the Actor.

BERT C. WHITE,

What is the case of the actor against the manager? I should like to tell about the sufferings inflicted upon play- not bring relief, more powerful ones ers seeking engagements the rudeness or even a surgical operation, may be and brutality, the actual insults that are far too common, particularly to women; but these are personal matters for which there is no attempt at justifi-

dramatic agent a commission amounting usually to half a week's salary, under ordinary conditions. But he does object when a manager who has the player's address sends for him through an agent—and this is a common pracmanager to conduct all the negotiations a little Dutch Jew, who, according to himself, settle upon all the arrange- the men in his own troop, was "the

The actor doesn't object to paying a

necessary business details.

ments and then direct all the members agent and sign the contracts. Actors believe that this is simply a scheme to share the commissions with the agent and the external evidence supports ancomfortably close to him, their conclusion.

sier it is to exchange your money to



Murder, intrigue, vice and insanity have marked the reigning house Servia. The history of the little kingdom and its court is written in blood All the kings of Servia in the last century have been compelled to all dicate or have been assassinated. On June 11, 1903, King Alexander and Queen Draga were murdered and Prince Peter Karageorgevitch became monard He has three children, Crown Prince George, Prince Alexander and Princess Helene. For a while after the two rulers were murdered King Peter was a popular idol. But as time went on he, too, got into the bad books of his subjects. He has frequently been called on to abdicate. Every year, on the anniversary of the rulers' assassination, there are threats of murder against

Alexander, when 13, took the throne after King Milan had been forced to abdicate because of his vices and dissipation. He was made bankrupt and frresponsible by his orgies. Alexander got the title, but Draga ruled. Her desire to reign in society was insatiable. But even the Czar of Russia, het close friend, had to withdraw his attentions because of her disgracuful conduct, and Queen Victoria, when alive, contemplated breaking off diplomatic relations because of the vulgarity of the Servian court.

The viciousness of the king and queen finally crystallized the hatred of the people. One night they returned to the palace from a fete. Their own soldiery turned against them, assassins stole their way into the royal restdence, and the king and queen were murdered in their private apartments after a struggle.



~~~~~~ Gall-Stones.

An attack of gall-stone colle in its severest form is one of the most painful affections which humanity is ever called upon to endure. Fortunately it is hoped to tuen the co not a very common affection, and it is Teller, of Colorado. In this he not always so painful, but one never knows when it may become so; hence the occurrence of one attack, however Democratic National Committee mild, is a danger signal which the sufferer will do well to heed.

The pain is due to the passage of a Taggart succeeded him. gall-stone through the bile duct toward the intestine, and varies from mere dis- but removed to Arkansas as a round comfort to intense agony, according to man. He was a member of the Unit the size of the stone. The pain usually States Senate from 1885 to 1908 and begins suddenly, when the stone enters served on the sub-committee of the duct leading from the gall bladder | Committee on Finance which drafts to the intestine, and ceases with equal the Wilson tariff bill. He was active suddenness when the offending body in connection with legislation in drops out of the bile duct into the in- Benate, and although he never be testine. The pain is sharp, usually continuous, but occasionally intermittent and may last from a few hours to sev-

If the attack continues a long time, it is accompanied by comiting and signs of collapse-pinched features, cold. clammy sweat, extreme restlessness, palfor or bineness of the skin, biccough, rapid and feeble pulse and chills. Jaundice is not uncommon, but is not always present. There may be only one attack, but as a rule there is a succession of treatment is therefore twofold-relief of the immediate pain and prevention

of future attacks. The sufferer should keep as quiet as possible, lying on the back with hips elevated. Sometimes a firm bandage encircling the abdomen affords great relief. The patient should take no food, not even milk, as long as the attack lasts. Fasting even for two or three days will do no harm. The popular fear of loss of strength from starvation in such cases is groundless.

Water, preferably hot, may be taken unless, as sometimes happens, it in creases the pain. Olive oil in generors amount often seems to give relief and shorten the attack, although the belief that it dissolves the gall-stones is prob ably erroneous. If simple remedies do

After the stone has passed, treatment should be instituted to prevent a return if possible. The patient should live cation, says Hartley Davis in Every- hiefly on fruits, fresh vegetables, and body's. Rather is my object to set a moderate amount of farinaceous forth abuses that have the sanction of foods, avoiding meat, especially fat custom, and that managers regard as meat, and highly seasoned foods of all

> A course of treatment by such min eral waters as Vichy ~ Carlabed is highly beneficial, and abundant exercise in the open air will assist greatly

Battlefield Louis.

of a company to call at the office of an | bravado in a fight." He was a constatent fatalist.

One day he observed a comrade dodeing a spent bullet that had whistled mag out the little Jew. "Dey'll hit you shost as vell yere you are as vere you

EX-SENATOR JONES

Prominent Democratic Londer Who Died in Washington, The death of ex-Senator James Jones, of Arkansas, which occurred in Washington recently, removes a widely

known political figure and a man once prominent in Democratic councils. was best known to the country at large through his management of the Bryan campaigns of 1806 and 1900, when he was a prominent figure as chairman of the National Democratic Committee He conducted hose campaigns with vigor and originality, if not with cess. He was opposed never the nomination of Bryan

posed by Senator Tillman as he his candidacy for chairman of he won the latter position and et ued to hold it until 1904, when Thomas

Mr. Jones was a native of Mississi



spectacular leader was a fluence and power in his own His erect, soldlerly bearing gave dence of his military service in the war, to which he used to refer late unpleasantness," and in wh fought upon the "losing side."

ed to his plantation in Arkaneas maining there until 1873, when tered the practice of law. He was ored with membership in the Senate, of which he was preside a delegate to the National D very active part in the frami party policy, serving in both as chairman of the Committee

He was twice married and h sons and a daughter by the He was a man of retiring natu ous habits and domestic tastes been described as an une dial, easy-going Southerner, blunt in speech and open and convictions, without a

That's right.