SCIENTIFIC KITE FLYING.

EXPERIMENTS IN A 45-MILE GALE ON SOUTH BROTHER.

Dr. Davis and His Pupils Can Steer Their Big Kites Left and Right, Up and Down, and Write Letters in the Air—Proposed Use of Kites to Get a Line Ashore.

On Saturday morning there was a queer litter of ropes and lines and reels and bits of cloth strewn about the floor and furniture of the boat house at the foot of East 137th street. Something less than a dozen men were busying themselves over this litter, laying out a wooden frame upon the floor and spreading upon it a big piece of oiled silk. After a lot of fastening and worrying the frame and the oiled silk were put in an upright position. Then everybody saw that it was a kite, not an ordinary schoolboy's kite, but such a kite for size and strength as no man hereabouts had seen before. The fact was that this was a kite flying expedition, led by Dr. J. Woodbridge Davis of the Woodbridge School, 645 Madison avenue. When everything was ready, the expedition got itself into two rowboats and set out over the whitecaps for desolate little South Brother Island.

The kites that Dr. J. Woodbridge Davis had made had six corners. The sticks were as heavy as the heaviest lath, and were made of stout wood and with no attention to weight at all. He had three of these heavy sticks in each kite, fastened together in the centre by a screw, so that they could be opened out to the regulation shape of the kite frame or closed up; and instead of using tissue paper as a cover he used oiled silk for some kites and duck for others. The bridles were arranged much as the bridle of a small boy's kite, and there was a loop for the tail, which was of knotted clothes line. The beauty of these kites was that when they were rigged they could be folded together and wrapped up, so that, with a moment or two of work, they would be ready for use again. When unfolded each kite stood six feet when resting on the ends of two of its sticks.

As South Brother Island is small, low, and flat, and has no screen of trees, the wind gets free sweep over its desolate acre or so of land, and on such a day as yesterday threatens to lift the short brown grass by the roots and blow it out over the water. When Dr. Davis and his party landed the wind was blowing fully forty-five miles an hour—a cold, steady western wind, in which no kite of the schoolboy pattern could have lived a minute.

Dr. Davis and the young men of the Woodbridge school set to work to putting down the reels, which were more like windlasses. There were two of these reels, and upon each was wound several thousand feet of red line, tested to stand a pull of seventy pounds. In order that the line might be paid out without becoming entangled in the frame of the reel, two pulleys were fastened to stakes a short distance in front of the reels, and a line was passed through each. When the reels and pulleys were all ready, a kite covered with duck was got out and arranged for flight. When the cod lines were fast to it, six young men held it aloft and at a signal let go of it. But the tail had got caught in some weeds and the kite dived, struck the ground and lay there with a broken stick. Dr. Davis had had this kite rigged in a peculiar way to make some experiments. These experiments had to be abandoned and an oiled silk kite was made ready.

Instead of bringing all six strings from the upper and lower parts of the kite to a common centre and tying the string to that as the schoolboys do, Dr. Davis had brought the three strings on each side together, and had the cod line from one reel tied at one junction and the cod line from the other tied at the other junction. In addition to these two lines he had a lighter cord fastened to the top of the kite. This cord was to be paid out from a ball in his hands.

The six young men held up the big oiled silk kite and, at a signal, let it go. The reels spun around and the ball unrolled and the great kite rose straight in the air, its long tail of 200 feet of looped clothes line hanging far below it. It went up and up and out and out until it was standing as though nailed up in the sky far out over the water.

"Now, see the advantage of this line to the top of the kite," said Dr. Davis.

As he spoke he pulled the line in. The kite rose still higher until the red lines were almost perpendicular. Then Dr. Davis began paying out from the tail, and the kite began to drop and drop until the end of the tail was touching the water. The kite had moved neither to the right nor to the left. It had simply fallen straight and gently through the air. As soon as the doctor stopped paying out the line the kite stopped falling and remained stationary. Dr. Davis had its perpendicular motion under perfect control.

"Now, here is the advantage of having two reels," said he.

And he clamped the left-hand reel and began paying out line from the right-hand reel. As the right-hand line grew slack the kite swept slowly around to the left, until it had described an angle of 55 degrees. Then Dr. Davis pulled in the right-hand line and paid out the left-hand line. The kite, obeying the new impulse, swept steadily back into the centre and then on to the right, until it had described an angle of 55 degrees in that direction. By slacking or tightening the top line Dr. Davis could make the lateral motion in an upward or downward curve.

The kite had been built for a forty-mile wind, and the lines were tested to bear that pressure. "The pull of this kite in a forty-mile wind," said Dr. Davis, "is more than a horse exerts when he draws a load weighing a ton over a level road. A horse pulling such a load is supposed to be pulling at the rate of about 100 pounds. The strain of this kite is over 140 pounds. I am afraid that the wind is too high and that the lines will break."

He had hardly done speaking before one of the lines did break, and the kite tumbled about and finally fell into the water. But it was uninjured, and as soon as the lines were retied it was let go again and rose high above the island, where several gulls were circling about trying to get at the meaning of the apparition that had come among them. Dr. Davis began to write letters in the air. He had just finished an "O," which the kite had cut distinctly, when the line broke again, and the trials had to be abandoned.

Next Saturday Dr. Davis proposes to tie two of his kites to a small boat with a centreboard and make a trip on the Hudson River. With the aid of the centreboard he expects to go against the wind. If the wind is as high as thirty miles an hour he will get a speed of about fifteen miles an hour with the wind and two or three miles an hour against it.

Aside from the additional sport which having perfect control over one's kite gives, there is a practical side to these experiments. Many years ago it occurred to Dr. Davis that if a kite could be controlled it might be very valuable as an adjunct to life saving apparatus. When a vessel goes on a reef or is helpless near the shore, the wind is nearly always dead on shore and blowing a stiff gale. Thus the life saving stations have to shoot their lines out toward the helpless vessel with the disadvantage of a stiff breeze retarding the line and with the further difficulty of the long and uncertain distance. Dr. Davis says that he has heard of several cases of shipwreck where the shipwrecked sailors had built kites and had tried to send a line on shore. But in none of these cases was there any success. But Dr. Davis thought the idea was a good one if a kite could be controlled. And it was this problem he set himself to solve.

He experimented with various kinds of kites and with different ways of rigging their bridles. He also felt that if a vessel was to carry several of these kites their size would make them unwieldy. So he built a kite that could be folded up until it was almost small as an umbrella. He now has the rigging arranged so that in any wind the kite is under control. In one of his experiments he sent a boat out into the river and then sent out his kite and lowered it so accurately that one of the men in the boat cut off a piece of the tail. Dr. Davis thinks that with the aid of a wind gauge and an accurately determined reel a kite could be held steady in even a gusty gale. A vessel could carry several kites of different build, to be used according to the violence of the wind. For very high winds a frame of light steel might be used.

A further advantage of the kite as a means of sending a line from a shipwrecked vessel to the shore or to a rescuing vessel as against the sending of the line in the other direction, as the practice now is, would be the fact that the distance to which a kite can be flown is greater than the distance to which a line may be shot.

Dr. Davis hopes that, as he gets further into the means of controlling kites, he may develop some way of long-distance signaling both for sea and land. He can make the kites write out letters in the air, and with a lantern tied to the kite at night the darkness need not interfere. The trouble is that to support a kite of any size a wind of at least twelve miles an hour is necessary, and such a wind would not always be available. But in cases of shipwreck the wind is almost always high.

The Morgue to be Moved to the River's Edge

The Morgue is to be removed to the river front about 200 feet from where it now stands. Since the Dock Department filled in 100 feet of the river at Bellevue Hospital, great inconvenience has been experienced in conveying bodies from boats to the Morgue. The new building will be so situated that boats can land at the rear door. The plans will be finished this week. Bids for furnishing materials and doing the work will be received by the Commissioners of Charities and Correction until 10 A. M. March 22.

Travellers to Chicago

Prefer the Columbian Express of the Pennsylvania Railroad on account of its speed, fine equipment, and the assurance of safety afforded by this route.—*Adv.*

THE BLAND BILL LIKELY TO PASS.

An Apparent Majority in the Senate for the Free Coinage of Silver.

WASHINGTON, March 12.—It begins to look very much as if the President would have to decide before long whether he will veto a free silver bill or not. If the Senate Committee on Finance could speak the final word, there is no doubt that the Bland bill, after its receipt from the House, would sleep the sleep that knows no waking on the committee files. There seems to be no possibility of this, however, much to the regret of several Presidential aspirants who would be glad if they could avoid the necessity of meeting the question face to face. The President is said to be most desirous that the bill shall reach him before the Minneapolis Convention meets.

The legislative condition of the silver question in the Senate is such as to render it an easy matter to secure consideration for the Bland bill. It is true that the Finance Committee reported adversely all the bills referred to it relating to an increase of the currency and to free coinage. But these bills, after they had been thus reported, were not indefinitely postponed, but were placed on the calendar, where they can be reached at any time. As Senator Teller said a few days ago: "It does not make any difference to us what kind of a report is submitted if the bills are on the calendar." Consequently, when the proper time comes, and it does not seem that it is to be very long delayed, these adversely reported measures can be taken up for consideration, and if none of them is satisfactory to the silver men, as is likely to be the case, the Bland bill, from the House, will be substituted.

Can the bill pass the Senate? This question can best be answered by a careful review of the personnel of the Senate.

In January, 1891, after Senate had discussed for some days the financial bill framed at a caucus of Republican Senators, Senator Vest of Missouri suddenly moved as a substitute a free coinage bill, pure and simple. Confronted with the issue in this unexpected way, the Senators did not shirk it but proceeded at once to a vote. The bill was passed by a vote of 39 to 27, with 22 Senators not voting. The vote in detail was:

YEAS—Allen, Barbour, Bate, Berry, Blackburn, Butler, Cameron, Cockrell, Coke, Daniel, Davis, Faulkner, Gorman, Gorman, Hampton, Ingalls, Jones, Kyle, Jones (Nevada), Kenna, Lindsay, Manderson, Mitchell, Morgan, Pasco, Pettigrew, Pettigrew, Plumb, Reagan, Sanders, Shoup, Stanford, Stewart, Teller, Turpie, Vance, Vest, Voorhees, Walthall, Wilson.

NAYS—Aldrich, Allison, Carey, Casey, Colquitt, Davis, Dixon, Dolph, Edmunds, Evarts, Frye, Hale, Hawley, Higgins, Hiscock, Hoar, McMillan, Platt, Quay, Sawyer, Sherman, Spooner, Stockbridge, Warren, Washburn, Wolcott, Chandler, Dawes, Farwell, Hansbrough, Jones (Minn.), Mitchell (Or.), Moody, Morrill, Payne, Pettigrew, Piatt, Ransom, Sanders.

Since that vote was taken there have been a number of changes in the Senate. Of those who voted in the affirmative, Messrs. Hampton, Ingalls, McConnell, and Reagan are no longer Senators. They have been succeeded by Messrs. Irby, Peffer, Dubois, and Chilton, respectively. As these new Senators will all vote for free coinage there is no loss to the affirmative vote by the change. With the negative vote it is different. Messrs. Edmunds, Evarts, Spooner, and Wilson of Maryland, who voted no, are not now in the Senate. The successors to Edmunds and Spooner, Messrs. Proctor and Vilas, will vote against free coinage. Mr. Gibson of Maryland differs with his predecessor and will vote affirmatively. This is a gain of one. Mr. Evarts's successor is David B. Hill. It is confidently predicted by the Southern Senators that Mr Hill will vote with them for free coinage. Mr. Hill himself says that he will not cross the bridge until he comes to it.

An analysis of the "not voting" column and of the pairs as announced during the roll call shows that eleven would have voted for and eleven against free coinage. Of the former, Brown, Moody, Pierce, and Plumb are not in the Senate. They have been succeeded by men who will vote for free coinage, excepting possibly Mr. Perkins of Kansas, whose views are not definitely known. On the other side were Messrs. Black, Farwell, Hearst, and Payne. Their successors are Messrs. Gallinger, Palmer, Felton, and Brice. Mr. Gallinger is, of course, an anti-free coinage man, and Senator Felton said to a SUN reporter yesterday that he was opposed to free coinage, too. The position of Messrs. Palmer and Brice has not yet been made known.

In brief, on a direct vote in the Senate, with everybody voting, and with the position of the Senators who voted last year unchanged, there would be fifty votes cast for free coinage to thirty-four votes against it, not including Senators Hill, Palmer, Perkins, and Brice, who are placed in the doubtful column. If these four should all vote in the negative, free silver would still have a majority of twelve. Of the affirmative vote, Messrs. Allen, Cameron, Jones of Nevada, Manderson, Mitchell, Paddock, Power, Sanders, Shoup, Dubois, Stanford, Stewart, Teller, Wolcott, Squire, and Pettigrew would be Republicans, a total of fifteen. The Democrats who would be recorded in the negative are Blodgett, Gray, Carlisle, McPherson, and Miles, with the possibility of some out of the doubtful column.

It is not probable that any of the Republicans who voted for free coinage last year will change their votes this session, except possibly Cameron, who last year fought the Force bill; Manderson, who is credited with Prosser blood in his veins, and Paddock, who is seeking a redelection to the Senate. Even if these votes are reversed free coinage will have a majority, although reduced.

HAVE JOINED TAMMANY.

Abram Bernard and Fifteen Members of His Association Go Over.

Fifteen members of the Abram Bernard Association of the Eleventh district joined the Tammany organization of the district on Thursday night. Mr. Bernard himself headed the recruits, among whom were Isaac P. Hubbard, Phillip Schartes, John J. Pendergast, C. F. Bode, D. J. Ferris, and John S. Iaire.

The association was organized in 1888 and entered politics as a Cleveland campaign club. After the defeat of Cleveland the club disbanded, but a short time ago twenty-six of the original members started it again and had it incorporated. Its headquarters are in a finely appointed building in Fourth avenue, near Twenty-ninth street. It was classed as a County Democratic organization because of its old affiliations. J. Henry Ford, the old leader of the County Democracy of the district, received some credit for its existence.

About ten days ago Richard Croker invited Mr. Bernard to enter Tammany Hall, and this invitation was repeated later by John J. Scannell, the Tammany leader of the district. The invitation included as many members of the association as cared to consider it. Mr. Bernard was put at once on Tammany's Committee on Organization. There are about 145 members of the club, and there is a probability that a majority of them will follow in the footsteps of the fifteen who have entered the wigwam. Mr. Bernard is a clerk in the Civil Court in which Justice Lachman presides. Since the death of the County Democracy Justice Lachman has been an independent in politics. In answer to a question as to whether the Justice contemplates joining Tammany, Mr. Bernard said:

"The Justice hasn't expressed any opinion concerning the matter, but I should not be surprised if he finally joined the Tammany forces."

Whiskey Trust Officials Arraigned.

BOSTON, March 12.—President Joseph B. Greenhut, Vice-President Herbert J. Tirrell, Secretaries George J. Gibson and Peter J. Hennessy, and Directors William N. Hobart, Nelson Morris, Warren H. Corning, Lewis H. Green, and Julius F. French of the Whiskey Trust were arraigned this noon in the United States District Court before Judge Nelson and admitted to bail in the sum of $10,000 each. John Joyce of Lawrence and Daniel Shea of Cambridge are the bondsmen. Richard Olney of Boston and Lillian Hood of New York have been retained for the defendants.

Mr. Purroy May Now Run for Judge.

ALBANY, March 12.—Gov. Flower signed the bill today to permit Fire Commissioner Purroy to run for office without resigning his place. Commissioner Purroy is a candidate for Judge next fall. As originally introduced the bill gave Police Commissioners similar power to run for office without resigning, but the bill was amended.

Gov. Flower thought that the temptation to a Police Commissioner to use the powers of his office to help his election would be too great, but the Fire Commissioner would not apply to Fire Commissioners.

Miss Schenck's Will.

WHITE PLAINS, March 12.—The will of Miss Anna Elizabeth Schenck of Irvington, who died on March 1, was filed for probate in the Surrogate's Court today. It disposes of $100,000. It was made July 2, 1889. It bequeaths to the Church of the Holy Communion, $1,000; to the Sisters of St. Mary, $1,000; to the House of Mercy of the Sisterhood of St. Mary, $1,000, and $2,000 is left to the Right Rev. Henry C. Potter to be applied to foreign missions.

A Dinner of Herbs.

The Vegetarian Society, recently organized in this city, is to have a banquet next Tuesday evening, March 15, in the Columbia restaurant on Fourteenth street. The cooking will be under the personal supervision of the ladies of the society.

MARINE INTELLIGENCE.

MEDICATION ALMANAC—THIS DAY.
Sun rises.... 6 15 | Sun sets.... 6 05 | Moon rises .....
HIGH WATER—THIS DAY.
Sandy Hook. 7 36 | Gov. Island. 7 55 | Hell Gate.. 9 44

Arrived—SATURDAY, March 12.

Ss Greece, Jeffrey, Liverpool.
Ss City of Berlin, Land, Liverpool.
Ss Bremerhaven, Butz, Nieuwe Waterweg.
Ss Gellert, from Hamburg.
Ss California, Garvie, Gibraltar.
Ss Amalfi, Kraft, Hamburg.
Ss El Sol, Hawthorne, New Orleans.
Ss Panama, Chabot, Bordeaux.

(For later arrivals see First Page.)

ARRIVED OUT.

Ss Trave, from New York, at Bremerhaven.
Ss Westernland, from New York, off the Lizard.

SAILED FROM FOREIGN PORTS.

Ss La Bretagne, from Havre for New York.
Ss The Queen, from Liverpool for New York.
Ss Valentine, from Cardenas for New York.

OUTGOING STEAMSHIPS.

Sail Tomorrow.

		Vessels Sail.
Cherokee.....	Charleston.....	8.00 P. M.
City of Birmingham.....	Savannah.....	8.00 P. M.

Sail Tuesday, March 15.

Saale.....	Bremen.....	8.00 A. M.

INCOMING STEAMSHIPS.

Due To-day.

Merchant Prince.....	Gibraltar.....	Feb. 23
Condemara.....	Gibraltar.....	Feb. 24
Othello.....	Antwerp.....	Feb. 24
Bolsatia.....	Havre.....	Feb. 24
Jersey City.....	Swansea.....	Feb. 24
France.....	London.....	Feb. 26
Indiana Hill.....	Toronto.....	Feb. 27
[illegible].....	Liverpool.....	March 5
[illegible].....	Liverpool.....	March 5
Illinois.....	Antwerp.....	Feb. 27
Ottinoe.....	Bermuda.....	March 10

Due to-day, March 14.

Darmstadt.....	Bremen.....	March 5
Ethiopia.....	Glasgow.....	March 1
La Normandie.....	Havre.....	March 5
Virginia.....	Havre.....	March 3
Yucatan.....	Havana.....	March 10
Alva.....	Port Limon.....	March 5
Mariscallo.....	Colombia.....	March 4

Due Tuesday, March 15.

Rugia.....	Hamburg.....	March 2
Nevada.....	Liverpool.....	March 5
Furnessia.....	Glasgow.....	Feb. 28
St. Paneras.....	Liverpool.....	March 2

Due Wednesday, March 16.

City of New York.....	Liverpool.....	March 9
Rhein.....	Bremen.....	March 8
Persian.....	Glasgow.....	March 4
Westphalia.....	Antwerp.....	March 5
Lahn.....	Bremen.....	March 8
Russia.....	Hamburg.....	March 5
Niagara.....	Havana.....	March 12

Due Thursday, March 17.

Valencia.....	Tampico.....	March 10
Initiatica.....	Gibraltar.....	March 3

Due Friday, March 18.

Britannic.....	Liverpool.....	March 9
Belgenland.....	Antwerp.....	March 8
Saxonia.....	Hamburg.....	March 14

Business Notices.

Boker's Bitters since 1828 acknowledged to be by far the best and finest stomach bitters made, whether taken pure or with wine or liquor.

Those complaining of Sore Throat, Hoarseness or "Talking cold," should use "Brown's Bronchial Troches," sold only in boxes.

Ladies take Dr. Siegert's Angostura Bitters cordially when they feel low spirited. It brightens them up immediately.

Keep's Dress Shirts, to measure, 6 for $9.00. None better at any price. 509 and 511 Broadway.

The Leading Spring Styles
In Gentlemen's Hats just issued by ESPENSCHEID, 118 Nassau st. 118.

Phillips' Digestible Cocoa.
An effervescing drink for the nervous and dyspeptic.

MARRIED.

BROWN–LAWRENCE.—On March 10, 1892, at Cleveland, O., Miss Cora Bell Lawrence and Mr. F. W. Brown of Stamford.

DIBBLE–BRICE.—On March 18, 1892, at Birmingham, Conn., Miss Maggie Brice and Mr. Minor O. Dibble, both of Stamford, Conn. Mr. and Mrs. Dibble will spend a week in Pottsville, Pa., with Mrs. Dibble's parents.

HALL–HEINE.—In South Norwalk, on March 9, Miss Mary Heine, daughter of Prof. Albert Heine, and Walter Hall. The ceremony was performed at the bride's home, 54 Bayview av., at 7:30 o'clock, by the Rev. Olin Hallock, rector of Trinity Church.

HALSTED–ODELL.—On March 8, at Portchester, N. Y., Mr. James D. Halsted and Miss Kate Odell, by the Rev. J. E. Bushnell.

DIED.

ACKLEY.—On the 10th inst., at Stamford, Conn., Thomas G. Ackley, aged 42 years and 3 months.
Friends are invited to attend the funeral at Long Ridge, Conn., on Sunday, from Congregational Church, at 2 o'clock. Interment at the convenience of the family.

ANDREWS.—On Friday, March 11, at Bridgeport, Conn., Minot Yale, son of John and Jennie Andrews, aged 8 months.
Friends are invited to attend the funeral from the residence of the parents, 112 Grand st., on Sunday afternoon, at 2:30 o'clock.

BALLARD.—On March 11, at New Canaan, Conn., Elijah Ballard, aged 80 years.
Friends are invited to attend the funeral on Sunday afternoon at 2 o'clock from the New Canaan Baptist Church. Interment at Riverside avenue.

BARTRAM.—On March 11, at Westport, Conn., Jennie A. Bartram, wife of O. L. Bartram, aged 36 years 7 months and 4 days.
Friends are invited to attend the funeral from her late residence on Monday afternoon at 2:30 o'clock. Interment at the convenience of the family.

BEDELL.—On March 11, departed to be with Christ, Gregory Thurston Bedell, third Bishop of Ohio, aged 74 years, from the Dakota, New York.

BEERS.—On Saturday, March 12, at New Haven, Conn., Eliza M., widow of Isaac Beers of 12 High st., aged 84 years.
Funeral from her late residence on Monday afternoon.

BLAKEMAN.—On Saturday, March 12, at Bridgeport, Conn., Minerva Blakeman, aged 82 years.
Notice of funeral hereafter.

BOGIE.—On Thursday, March 10, James Bogie, at 110 West 55th st.
Friends are invited to attend the funeral on Sunday afternoon at 2 o'clock, from Fourth Presbyterian Church, 34th st., west of Broadway.

CLOSE.—On Friday, March 11, in the 34th year of her age, Florence M., daughter of J. J. and the late Martha J. Armour and wife of Z. A. Close.
Funeral private.

COLTON.—On March 11, at Weston, Ira Colton, son of J. F. Colton of Hartford, Conn., aged 19 years and 8 months.
Funeral private.

CRAWFORD.—On Saturday, March 12, at New Haven, Conn., Sarah C., daughter of James and Catharine Crawford, aged 11 year and 2 months.
Funeral private.

CURRIVAN.—On March 11, 1892, at Riverside, Conn., Edward Currivan, aged 65 years.
Friends are invited to attend the funeral from his late residence on Sunday afternoon at 2 o'clock, and from St. Mary's R. C. Church at 2:30 o'clock.

ETHERIDGE.—At the residence of her parents, 239 7th st., Brooklyn, on March 10, Myra Frances, beloved daughter of William and Gabrella Etheridge, aged 17 years and 11 months.
Belleville, Ont., papers please copy.

FAIRCHILD.—On Thursday, March 10, at Bridgeport, Conn., Jeannette H. Fairchild, aged 66 years 7 months and 15 days.
Friends are invited to attend the funeral on Monday afternoon at 2 o'clock from South Congregational Church. Interment at Nichols, Conn.

FERRIS.—Suddenly, on March 12, Elsie M., beloved wife of Robert Ferris, aged 35 years.
Notice of funeral hereafter.

FICKEN.—At Jericho, L. I., on Friday, March 11, Mary Ann Ficken, wife of Lewis Ficken, aged 80 years.
Funeral services at Jericho on Sunday, March 13, at 1 o'clock P. M. Carriages will meet 9 o'clock train from Long Island City.

GOFF.—On Friday, March 11, at Hartford, Conn., William E. Goff, aged 53 years.
Friends are invited to attend the funeral from his late residence, 16 Elmworth st., on Monday afternoon at 2 o'clock.

HANNING.—On March 11, 1892, Henry J. Hanning, aged 10 years.
Relatives and friends are invited to attend the funeral from the residence of his parents, 446 East 80th st., on Sunday, March 13, 1892, at 2:30 o'clock P. M.

HEALEY.—On Thursday, March 10, at Hartford, Conn., Margaret, wife of Patrick Healey of 75 Avon st., aged 34 years.

HECKSCHER.—On Friday, after a short illness, Fannie, beloved wife of Solomon Heckscher.
Relatives and friends of the family, also Mendelssohn Benevolent Society, Ceres Union, Dorcey Lodge No. 185, F. and A. M., Zenith Lodge No. 1, I. O. B. B., Solomon Fraton Verein, are respectfully invited to attend the funeral on Sunday, March 13, at 1 o'clock, from her late residence, 812 East 51st st. Please omit flowers.

HIRSH.—On Friday, March 11, at the residence of his son-in-law, Mr. Otto J. Lang, 56 West 71st st., New York city, Mason Hirsh of Philadelphia.
Interment in Philadelphia.

HOLLISTER.—On Friday, March 11, at Agawam, Mass., Mary Ann Hollister, aged 69 years and 6 months.
Funeral from her late residence on Monday afternoon.

JACKSON.—On Friday, March 11, at Springfield, Mass., Abby E., widow of the Rev. E. E. Jackson, aged 72 years.
Friends are invited to attend the funeral from her late residence, 40 Charles st., on Sunday afternoon at 2 o'clock, and from M. E. Church at Gorham, Me., on Monday P. M.

JACKMAN.—At Nyack, March 11, Esther J., wife of the late Peter Jackman.
Funeral Monday, March 14.

JENNINGS.—On Thursday, March 10, at Fairfield, Conn., Mary E., widow of Isaac Jennings, aged 59 years and 8 months.
Funeral from her late residence on Monday afternoon at 2:30 o'clock.

JOHNSON.—On Saturday, March 12, at Bridgeport, Conn., Frances A. Jounson, aged 62 years and 1 month.
Funeral from chapel at Riverside Cemetery, Waterbury, Conn., on Tuesday afternoon. Interment at Waterbury, Conn.

JONES.—At Jersey City, March 10, Henry Benton Jones, aged 41 years.
Ballinasloe (county Galway, Ireland) papers please copy.

KING.—On Friday, March 11, at her late residence, 466 Mott av., Mary Manuela, wife of Joseph O. King and daughter of the late Joseph L. Henning.

KOECHLING.—Bernard H., aged 30 years, a native of Prussia, Germany.
Funeral from his late residence, 1,155 3d av., Sunday, at 2 P. M. Interment in Calvary.

KOLLMYER.—On March 11, Alfred B. Kollmyer, aged 64 years.
Funeral from his late residence, 884 East 8th st., Monday, 14th, at 2 o'clock.

LASSEN.—On March 11, at Belden Hill, Wilton, Conn., Edith Lassen, daughter of Joseph Lassen, aged 1 year and 6 months.
Funeral private.

LAWRENCE.—On Thursday, March 10, at Hartford, Conn., Richard S. Lawrence, aged 74 years.
Friends are invited to attend the funeral from his late residence, 257 Capitol avenue, on Sunday afternoon at 2 o'clock.

LIVINGSTON.—On Friday, March 11, at Hartford, Conn., Georgie, son of Thomas Livingston, aged 5 years and 8 months.
Friends are invited to attend the funeral from the residence of the parents, 189 Lawrence st., on Sunday afternoon at 2 o'clock.

MILLER.—On March 12, Mary Miller, aged 87 years.
Funeral service from St. Luke's Hospital, 54th st. and 9th av., on Monday, March 14, at 11 o'clock A. M.

MOORE.—On Thursday, March 10, at Westville, Conn., Nathaniel W. Moore, aged 80 years and 7 months.
Funeral from his late residence on Sunday afternoon at 2:30 o'clock.

McAULIFFE.—On Thursday, March 10, a. Ferdinand, N. Y., Con W. McAuliffe, late of 17 Centre st., city.
Funeral to take place from his late residence, 183d st. and River av., on Sunday, March 13, at 11 A. M. Relatives and friends are respectfully invited to attend. Interment in Calvary.

McCORMICK.—On Thursday, March 10, at Bridgeport, Conn., James McCormick, aged 41 years.
Friends are invited to attend the funeral from his late residence, 10 Fairmont st., on Sunday afternoon, at 2:30 o'clock.

McFARLAN.—On March 7, 1892, Joseph McFarlan.
Relatives and friends are respectfully invited to attend the funeral from his late residence, 651 Greenwich st.; also brother members Empire Conclave, K. S. T., members Court Robin Hood, A. O. F., at 1 o'clock, Sunday, March 13.

McKENNEY.—On Friday, March 11, at Hartford, Conn., Arthur McKenney, aged 40 years.
Friends are invited to attend the funeral from his late residence, 51 Front st., on Sunday afternoon at 2:30 o'clock, and from St. Peter's Church at 3 o'clock.

McLONEY.—On Friday, March 11, at Hartford, Conn., Joseph, son of Mr and Mrs. McLoney, aged 4 years and 10 months.
Friends are invited to attend the funeral from the residence of the parents, 112 Hamilton st., on Sunday afternoon at 2:30 o'clock.

McKEOWN.—On Saturday, March 12, 1892, Mary, beloved daughter of Maria and John McKeown.
Funeral Monday, March 14, at 2 P. M. from her late residence, 67 Nassau st., Brooklyn, N. Y.

NILTZ.—On Friday, March 11, at Meriden, Conn., Nicholas Niltz, aged 62 years.
Friends are invited to attend the funeral from his late residence, 143 Cook av., on Sunday afternoon at 2 o'clock.

NYE.—On Thursday, March 10, at New Haven, Conn., Frances, wife of Thomas Nye, aged 29 years and 5 months.
Friends are invited to attend the funeral from her late residence, 370 Orchard st., on Sunday afternoon at 2:30 o'clock.

OVERBECK.—On Friday, March 11, after a lingering illness, Anna H., the beloved wife of John Overbeck.
Funeral on Sunday, 13th inst., from her late residence, 309 East Broadway, at 1:30 P. M.

O'REGAN.—On March 11, 1892, Mrs. Ellen O'Regan, aged 82.
Funeral from her daughter's residence, Mrs. Ellen Ready, 54 Cheever place, Brooklyn, Sunday, March 13, at 2:30 P. M. Interment Holy Cross Cemetery, Flatbush. Tralee Chronicle please copy.

PRATT.—Of pneumonia, on Friday, March 11, William T. Pratt.
Funeral services for relatives and immediate family friends at his late residence, 287 Quincy st., Brooklyn, Monday, March 14, at 4 P. M. Public Masonic services at the Aurora Grata Cathedral, Bedford av. and Madison st., at 8 P. M.

POST.—In Washington, D. C., on Saturday, March 12, 1892, Mary A., eldest and last surviving child of the late Chancellor James King of "Arbour Hill," Albany, N. Y., and widow of Dr. Minturn Post of "Baywood," Clifton, Staten Island, and New York.
Notice of funeral hereafter.

RABE.—On Thursday, March 10, Elizabeth, beloved wife of Henry Rabe, aged 57 years and 3 months.
Relatives and friends, also Herman Lodge, No. 268, F. A. M., are respectfully invited to attend her funeral from her late residence, 119 West 10th st., on Sunday, March 13, at 2 P. M.

RAYMOND.—On March 9, at South Norwalk, Marza Raymond, aged 81 years.
Friends are invited to attend the funeral from his late residence, 9 Henry st., on Sunday afternoon at 2 o'clock. Interment at the convenience of the family.

RYAN.—On March 12, 1862, Mathew Ryan, native of Nenagh, county Tipperary, Ireland, in the 47th year of his age.
Funeral from his late residence, 20 Clarkson st., on Monday, March 14, at 2 P. M. Interment in Calvary.

SCHNEIDER.—On Jan. 9, 1892, at Meran, Austria, James S. Schneider, aged 47 years 7 months and 23 days.
Relatives and friends, also Arion Singing Society of Brooklyn and directors of Broadway Bank, are respectfully invited to attend funeral services at the Presbyterian Church, corner Throop and Willoughby avs., Brooklyn, on Tuesday evening, March 15, at 8 o'clock. Interment at convenience of the family.

SECOR.—At St. Augustine, Fla., March 9, Katharine G., wife of the late John D. Secor, and daughter of Edmund Waring.

SHEAHAN.—At her residence, 432 West 58th st., Ann Sheahan, wife of Patrick Sheahan, at 1 A. M., Saturday, aged 58 years.
Funeral from the Church of St. Paul the Apostle, corner 59th st. and 9th av., at 11 A. M. Monday.

SIMROCK.—On Thursday, March 10, at 4 A. M., Nicholas Henry Simrock, aged 53 years.
Funeral from his late residence, 235 West 126th st., on Sunday, March 13, at 2 P. M.

SPENCER.—Peerless Lodge, No. 270, K. of P. Members are requested to attend the funeral of our late Brother Alex. G. Spencer, on Sunday, March 13, at 1:30 P. M., from 321 East 123d st. By order of
JOS. RINDSKOPF, C. C.

STRATHMAN.—Suddenly, on March 10, Albert H. Strathman, aged 50 years.
Relatives and friends, also members of Herder Lodge, No. 698, F. and M.; Eckford Lodge, No. 84, and Oriole Glee Club, are respectfully invited to attend his funeral, Sunday, March 13, at 2 o'clock P. M., from Masonic Temple, corner Manhattan and Meserole avs., Brooklyn, E. D.

SULLIVAN.—On Friday, March 11, 1892, John Sullivan.
Funeral from St. Elizabeth's Church, Fort Washington, on Sunday, March 13, at 2 o'clock P. M. Interment at St. Raymond's.

TYLER.—At New York City, on Friday, March 11, Gardiner, aged 14 years and 2 months, only son of Sarah Gardiner and the late J. Alexander Tyler.
Richmond and Boston papers please copy.

WHITE.—At 996 Forest av., Morrisania, Thursday, March 10, Joseph L. White, aged 67.
Relatives and friends are invited to attend the funeral services at his late residence, Sunday, March 13, at 2 P. M.

WIDMER.—Suddenly, March 9, 1892, at her residence, 1,718 24 av., Rosina, wife of John Widmer, in the 58th year of her age.
Funeral Sunday, March 13, at 1 P. M.

Mount Hope Cemetery.
Office, 580 6th av., corner 23d st., New York.

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TAKE NOTICE.

WE HAVE RECENTLY ADDED A NEW DEPARTMENT TO OUR ESTABLISHMENT, OUR OBJECT BEING TO SELL CLOTH BY THE YARD ON THE SMALLEST MARGIN POSSIBLE. WITH THAT END IN VIEW, WE ARE RECEIVING CLOTH FROM THE LARGEST MILLS IN THE WORLD. ALL OUR GOODS ARE SHRUNK AND READY FOR USE.