# Timeline for Saltaire Mill Salt Family & Charles Stead Years 1877 to 1892

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5 January 1877<sup>13</sup> – The mill was closed all day for the funeral of its founder, Sir Titus Salt. 19 February 1877<sup>5</sup>

# ALARMING EXPLOSION AT SALTAIRE MILLS.

About half-past ten yesterday morning an explosion occurred at Saltaire Mills, which, fortunately, resulted in no more serious manner than the destruction of pro-In no more serious manner than the destruction of property. Underneath the yard of the works, and near the side of the Midland Railway, is an economiser used for heating water before it passes into the boilers. This consists of a series of 360 pipes, each 10ft, high, is about 20ft, long, and the height of the fine is about 16ft, its width from 12ft, to 14ft. The cold water is admitted at the end furthest from the boiler fires, and at the other and where it comes out, there was a safety valve. The end, where it comes out, there was a safety valve. The economiser has been out of use for some short time for repairs, and in the meantime another flue, which would answer the purpose, was in use. On Saturday the economiser was filled with water, and the flue in which it was fixed again used, the object being to find out a leakage which was supposed to exist, and no feed water was consequently being drawn from the economiser. The safety valve was not weighted, and it was observed some time before the explosion occurred that steam was escaping freely. Suddenly, however, and without any warning that anything was wrong, the main portion of the economiser exploded, and threw the brickwork and large stone slabs which covered the flue into the air, some atones weighing several cwts, being precipitated through the windows into the mill, and this, together with the dense clouds of ashes, smoke, and steam, which rose to a great height, filled the occupants of the rooms near with awe; and in the basement, which is occupied by twisters, the workpeople rushed to the cloor and made their escape. No one was hurt by the flying wreck, although there were some narrow escapes. One little girl was descending some steps into the boiler-house with her father's dinner when a huge coping-stone fell across the steps only a few feet above her, where it fortunately lodge. Stones weighing from one to two tons each were smashed or removed from their places, while the economiser itself, weighing many tons, was broken to pieces, and large pipes tron into fragments. By the explosion about 2,500 hands had to cease work for the day, but steps were at once taken to repair the damage, and last night a number of workmen were busily employed in the work of restoration, and it was hoped that by this (Tuesday) morning things might be so arranged that the engines could resume work.

Stealing Cigars, &c., at Shipley.—Thomas Ambler was brought up at the West Riding Court, on Monday, charged with stealing a box of cigars, the property of Miles Halliwell, on the 6th inst. Prosecutor, a beerhouse-keeper of Shipley, missed the box of cigars from a cupboard in his house, and taxed prisoner with stealing it. Prisoner then admitted the offence, and showed prosecutor where he had put it.—There was a second charge against the prisoner of stealing three pieces of cloth from the mill of Sir Titus Salt, at Saltaire, which had been given him to clean the machinery. Prisoner said he picked it up in the yard.—The Bench, taking into consideration Ambler's good character, sentenced him to one month's hard labour.

### 11 Sep 1877<sup>5</sup>

#### EXPERIMENTS WITH THE TELEPHONE

AT SALTAIRE.

A series of highly interesting experiments with the telephone have just been made at Saltaire. Mr. Titus Salt, having telegraphic communication between the mills and his residence at Milner Field, invited Professor W. F. Barrett, who brought with him the instruments used by Mr. Freece at the recent meeting of the British Association at Plymouth; and, assisted by Mr. Gilpin, superintendent of telegraphs at Bradford, and Mr. Davis, electrician, connected this marvellous little instrument with a wire, which was extended through several rooms at the offices of the works, and the questions and replies put and answered were so distinctly heard as to prompt the party to further trials. Accordingly, Lord Houghton (who was also present), Professor Barrett, Mr. Salt, and Mr. Edward Crossley then adjourned to Milner Field, a mile and three-quartera distant, leaving Mr. Gilpin and others at the works, and the telephone was attached to Mr. Salt's private wire, both the ordinary telegraphing instruments being placed in circuit, so that the current of electricity had to pass through their coils, which offered a resistance squal to that of 45 miles of the ordinary wire. Lord Houghton, Professor Barrett, and others conversed with Mr. Gilpin with the greatest success. Asked to read something from a newspaper, Mr. Gilpin read several paragraphs, which were clearly heard by the receiver, who repeated the sentences to those present, and on being compared with another copy of the same journal from which they were taken, it was stated, on inquiry through the telephone, that every word had been heard quite well. Instrumental music was then tried. Master Harold Salt played the National Anthem on the violin, and every note was distincely heard at the works, "The Last Rose of Summer" was then asked for, but instead of giving this the National Anthem on the violin, and every note was distincely heard at the works, and added another instrument with a resistance equivalent to twenty miles of ordinary wire, thus inareasing the

perfect success. Your correspondent fook the instrument by request, and not only heard quite distinctly what was said at Milner Field, but could easily distinguish the voice of Mr. Titus Salt, who repeated the first and third lines of a well-known thyme, the second and last lines being returned to him, and asked various questions, the answers to which were heard by him so well as to elicit the ejaculation, "Bravo! bravo!" Miss Hanson, a young lady present at the works, being asked to sing a song, gave a verse of "Kathleen Mavourneen," every word and note being heard quite distinctly at Milner Field; and when the character of the song is considered, this is truly amazing. The telephone, however, seems to be particularly partial to a lady's voice. "The Canadian Boat Song," sung by three voices at Mr. Salt's, was also heard with admirable advantage. Various other trials were made of the most convincing nature. The telephone used was one of Bell's instruments, is marvellously simple, and nots for transmitting as well as receiving—a decided advantage over the telegraph. It is about six inches long, is cased with mahogany, one end extending something like the outer end of an organ stop, but is 2½ inches in diameter, bevelled in towards the centre; and a small circle of the thin sheet of iron which is fitted into the end of the instrument, about the size of a sixpence, is expessed and acts similar to the tympanum of the ear. The top of the telephone is screwed on so as to allow room for vibration, and the action of the waves of sound striking this thin plate upon a magnet communicating with the wire, conveys to the receiver at the otherend the impression so produced or taken. The result of the experiments on Saturday seemed to show that although it is necessary to speak very clearly and emphatically what is intended to be transmitted, it is preferable to hold the instrument a short distance from the mouth—say ten inches or a foot—rather than place it close to the lips. In the latter case the tendency seemed to be to r

#### 4 June 1878<sup>5</sup> –

Messrs. Titus Salt, Sons, and Co. have informed the operatives at Saltaire that, owing to the condition of trade, some deduction of wages will be made after the close of the present week. From what our correspondent can ascertain, he states that it seems highly probable that the workpeople will quietly accept the change.

# 6 February 1879<sup>5</sup> –

The reduction in operatives' wages which has just taken place at Saltaire has varied in the different departments of the works; but upon the whole may be said to have amounted to about 8 per cent. The Messrs. Salt, however, have resolved to reduce the house rents in Saltaire 10 per cent., the reduction to take effect this week.

# 24 January 1890<sup>10</sup> –

ADVANCE OF WAGES AT SALTAIRE.—In response to an application from the operatives in certain departments of employ at the Saltaire Mills an advance upon the wages previously paid has been given. Spinners are to receive an increase of 4d., and half-timers in the same department 2d: twisters, 3d; and drawers, 6d. The hands express themselves disappointed in the amount, having expected an increase more nearly approximating in inverse ratio to the reduction made twelve months ago. Another advance is likely to be demanded at no distant time.

18 May 1880<sup>5</sup> – Serious Accident at Saltaire Mills (See overleaf)

Serious Accident at Saltaine Mills.—
Yestevlay morning, about ten o'clock, an accident of a very serious nature, though happily unaccompanied with loss of life, occurred at the works of Mossrs, Salt, at the property of the control of the works of Mossrs, Salt, at the property of the supply the hands were at work, when, about the time named, a loud noise was heard in the vicinity of the engine which drives the whole weaving-shed, and almost immediately two large pulleys, or drume, fixed on the shaft in kilivest communication with the spur hydrogenism of the shaft in kilivest communication with the spur hydrogenism of the salt in the shaft in kilivest communication with the spur hydrogenism of the shaft in kilivest communication with the spur hydrogenism of the shaft in kilivest communication with the spur hydrogenism of the shaft in diameter, and weighing 6 tons 16 ext.

—were broken up and hurled about, breaking the wooden of the floor in the twisting-room, and doing damage to several machines nearest to the partition. The greatest consternation seized the leaving-shed, hearing the loud report, ran to see what was the matter. Almost as soon as the splintered wood, &c., had fallen into the hole below, find the shaft when the smoke cleared away it was found that the shaft upon the smoke cleared away it was found that the shaft upon the smoke cleared away it was found that the shaft upon the smoke cleared away it was found that the shaft upon the smoke cleared away it was found that the shaft upon the smoke cleared away it was found that the shaft upon the smoke cleared away it was found that the shaft upon the smoke cleared away it was found that the shaft upon the smoke cleared away it was found that the shaft upon the smoke cleared away it was found that the shaft upon the smoke cleared away it was found that the shaft upon the smoke cleared away it was found that the shaft upon the shaft of the CATIC

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