Write on paper with Collodon. Electrify the Mss by rubbing with dry substance – dust aniline dust over a flat surface with a sieve – put Collodion sheet Mss in frame & lower it while electrified with 1/2 inch of the aniline it will attract the particles & these adhering to the Collodion Mss. wican be transferred to a wet sheet. The Collodion Mss is drying while you print from the transfer sheet & when dry re-electrify & go over same process –

James Adams

X, NjWOE, Lab., NS-77-002 (TAEM 7:443).

1. This drawing appears to be related to the device shown in Doc. 812 n. 2.
2. Collodion was commonly used as a carrier for photosensitive materials in photography. Friedel 1983, 5, 91.
3. Edison described another duplication process two days later. NS-77-002, Lab. (TAEM 7:444).

Technical Note: Telegraph Recorder/Repeater

Translating Embosser

on the continuous roll embosser I propose for obtaining acurate registration to previously perforate holes either on both edges or on both edges & the centre or on the centre only and provide the rotating cylinder with pins to pass through the perforations & ensure the feed & registration

[Menlo Park,] June 27, 1877

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It may be possible that oiled indenting paper is preferable or that the paper should be parafined—shellacked or dipped in plaster paris water.\(^2\)

I propose in next translator to have the repeating points one line inside the embossing points, although it could be one line outside.\(^3\)

T. A. Edison

Chas Batchelor

James Adams

April–June 1877

1. Figure label is “separate double thread.” Edison filed a provisional specification in the British Patent Office on 31 July 1877 for translating embossers recording either in “a volute line upon a correspondingly grooved disc” or “upon a sheet of paper in a zig-zag line, over a cylinder that is correspondingly grooved” and that included “register marks” to hold the paper or disc in place. Provisional Specification 2,927 (1877), Cat. 1321, Batchelor (TAEM 92:76).

2. Figure label is “Roll paper travels with plate.”

3. On 26 June 1877 Batchelor recorded that Edison noticed a serious error in Embosser at Murrays today & that is that the repeating point following close behind the embossing pont and being in the same straight line from centre of swing lever will not follow in the exactly the marks made by embossing point. This we remedied by making the two points only \( \frac{1}{16} \) of an inch apart thus decreasing the error so as to make it hardly perceptible. [Vol. 11:194, Lab. (TAEM 3:1004)]


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Technical Note:
Telephony

[Menlo Park,] June 27/1877

Speaking Telegraph

I find that weighting the centre of the diaphram gives better articulation therefore Batch is making 4 diaphrams of the same brass & weighting the centre by soldering different thicknesses of brass.