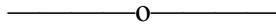


Introspective Diary
of
Elmer Gates
April 21 through April 25, 1911

April 21, 1911

I can manage until Monday without money. The only prospect I have is the very uncertain Canadian affair, if that fails, Tuesday will be the beginning of great suffering for me,—& yet I feel I will in some way, perhaps after a serious struggle, again get on my feet financially.



Rain, rain, rain. . . . an incessant patter—just as constant as that patter is worry about affairs tomorrow, or Monday or next week!

Will I get a ck from Canada before Monday? If not I will be up against a stone wall.

My idea for artificial wrapping for sausages and bologna has leaked out—

I saw these goods for sale in arcade market recently!

How about my Up Lite & Lid combination, to make a rest for Up while reading & a portmanteau when folded?

I must get over the slump of my spirits due to Chevy Chase trouble.

Nevertheless I keep right on thinking out psychurgic problems.

If—I had heurgically mentated the Chevy Chase situation ten years ago as I now could heurgically I would not have gotten into debt.

I am greatly drawn hour by hour even during the personal urgent necessity of making money, to writing and completing my message.

Am disposed to devote all day to thinking about my affairs [financially?].

A button with half dozen pins {drawing} [?] down into a vest {drawing} on other side of cloth so that by pressure the points of the pins will bend & clamp; a half dozen pins will hold better than a single stem through the cloth.

What shall I do if Van Mater & Canada fail?

Shall I write to the Feller people? Yes.

10:10 A.M. have just learned that the Canadian money promised positively for today or Monday is not coming, that the Pitt-Mordeu deal there, from which I was to have \$1100 has again been delayed & I believe will not be carried. I have to get \$700 Monday as planned an amt. which will upset my matters, & besides I have nothing to live on. I know not where to turn—there is no way known to me whereby I can get me \$700 by Monday or Tuesday, but much can happen to me in two days!

—The vacuum clock can easily be hermetically sealed & unsealed by the metallic device

—When a conductor carrying an electric current is broken in a magnetic field it makes a violent report. Would not a high potential current rapidly broken in a magnetic field quiver fast enough to make light? This question re electrically charged globe containing a concentric space of phosphorescent substance might become luminous.

—I have long had a more & more definite feeling that the Canadian Pitt-Mordeu connection is not good — not safe — not desirable

—I have confidence in the War [invention]; am not certain about the moving pictures invention; feel all right about Roller Shade; — but

Is there any other way? Is it the guidance of events — this difficulty about inventions? Should I take up the inventions only as they grow out of the con amore laboratory?

It seems that a most unpleasant situation is unavoidable Monday for want of \$700 — There is no way known to me out of this in time.

April 22d, 8:30 A.M.

Last night: shorthand—a [pen?] or [pen?] set [?] will make, in addition to a thin & thick shade, a window shade

8:25 *A.M.* Salt in capsules, to keep dry, salt-cellar punctures capsules as needed. Or [?] in space surrounding salt-cellar. Or pump for expanding air & thus taking up moisture. Or keep the salt-cellars in a drying box.

Make flat-bottomed castor.

Why have not removable heels succeeded?

Build-up shelves

{drawing}

A [?] sound-proof head-piece for phones,
not sanitary

A false-floor warm air distributing device

Shall I coerce my mind to inventing? So I may be more ready to make money in that way if opportunity arrives?

My teeth need attending to—am attending to my slight catarrh.

Must do something at once to make money: that overrides everything else just now, because it is unavoidable. If a fellow falls into a dangerous stream of water, just then he must swim out, no matter what great purposes he has after he gets out.

Wonder why I don't hear from van Mater!

G.W.U. can't pay what they owe me.

—In all fine chronometers, in addition to dust & moisture, in addition to rust and insects, there is one defect that, so far as I know, has never been remedied, namely, the varying resistance of the air to the hair-spring & escapement (or pendulum) due to variations of barometric pressure. This may be overcome by a barometric pressure compensator or by a vacuum-enclosed clock. Resistances do not leave the swing completely isochronous.

11:55 *A.M.* Mr. Karr.

8:00 *P.M.* — I am in a quandary — What shall I do — Up to today I depended on money from Canada — I cannot possibly take up & complete a new matter by Monday. I am very sad, & disappointed. Write van Mater & [Luser?].

April 23d — Skiddoo troubles!

When a pendulum is subjected to increased air density the augmented resistance shortens the arc which requires less time — but the time lost by the resistance does not just exactly offset that which is gained by shortening of the arc. Moreover, the resistance on moving parts that are not isochronous like the hair-spring e.g., directly disturbs isochronousness.

9:00 A.M. — A hair spring is not available for watches because of magnetization: use brass or non-magnetic alloy for hair spring or [?] {2 drawings}

10,000,000 dollars can be made on a non-magnetizable watch.

9:15 A.M. — I want to keep right on {2 symbols} Note {1 symbol} Went to moving pictures — walked home with {1 symbol}

My mind has taken up kinematics & dynamics: force & motion do not psychotantiate properly.

Invented a better non-magnetizable watch hair-spring. {drawing} that kind of escapement & shaped {drawing} or {drawing} spring.

A [?] & small heavy [?] balance wheel.

2000 ft. picture film $12 \times 2000 = 24000$ inches, 200 to inch
(24000 plates/100)=240
 $240/12 = 20$ ft.
5x4x1 ft
{drawing}

Hurrah for Pollak using this photoelectric auto-telegraphy! Very clever!! Wonder why I didn't think of it. I would have done so if I had carried out by systematic seriated [?] mentation. Make a complete list of unachieved devices. {squiggle}

Just now chronometers are uppermost in my mind and have been so all day.

A clock winder to be attached to any clock to do the winding automatically when it runs down — power to be replaced yearly — compressed air. Set at noon each day [?-lessly].

April 24, 1911

O to write from now on — O that I may. O that I may! O that I may meet my obligations tomorrow (or today).

Any yet, notwithstanding my deep desire to write I must make money now, —. How?

It is necessary for me to go over my inventions & select more carefully those on which I dare risk my reputation, and those which will take the least of my time.

Let's see:

Non-magnetic watch
Roller Shade
War

On the others I should experiment further
{drawing}

Tuesday, April 25th

Still no money.

Beautiful day.

Van Mater's letter came — it had been opened — he wants to himself the [specialties?] — but he's so slow & I fear he has no money to take trips, etc.

Grocer has stopped delivery
Tomorrow & tomorrow & tomorrow —
[?] [?] on our [?] [?] [?] [?] [?] [?] [?]

3 P.M. [?] [?]

We got a stay of several days on Dickenson's bill

The flat footed castors appeal to me.

Hat inner band. Removable, absorbent, impervious on hat side —
[?] [?] against heat but full of fine holes

— Sealing wax of [?] — lay [?] on [?] [?] [?]-[?] [?] at [?] off on
[papers?]

Sleepy