
#### Abstract

Iy. The only diduinetion which they can daw, consistently with their imposible to obtain the least retardation of the boiling point-  believe that a dead man has come to life, not hecanse they assert it to he impossible, but becanse it is so rare as not to live come under their own olvervation. But the stecess of Ionis X event in history, is 80 rare as to be unique. Why not refuse equally to believe in it T This is illustrated by an assertion quoted from the Eidin. burgh $R$-view, that if any one shonat say that he hud seen a hundred lice, thown at random, all fall upon one fare, he ougut not to he believed. Putting aside, for armoment, the question as to the fainiess of this argumont, we incline to think that the EAliuburgh Reviower was right. If a man of average wracity were to make sufh a statement, wo should certainly suspect him of a temporary lapse from the paths of Such things may happen. It is concrivable that a gentleman may, as we have heard, find thy storks statuling in at row, each upon one leg. such a feat woult v late no primeiple of matural philosophy with whin we are aequainted. ut the ancelotes of this mature commonily tola are much ofener faisec tham true. It is less likely that the dive shoult all have fallen on one fice, ot the storks' legs beell all eat off ly one bullet, than that our imformant thonld he venturing upon a pardonable exagreration. It is not the to se rarity of tha event which makes us  to its having loen mon ted by subjective rather than objective intluenIy anfair. It is little liet 'r than a play upon word to suy tut th ly unfar. hife of a doal to than a play upon word- to say that the of Rastialiy a French Enperor is also rave. To rise to the ancumest any pertineice, it should be shown that N , poleon's feats imply powess as any pertinence, it shoak be shown that N.polnon's feats imply powers as need not say that this would be asserted by no one. Philozophers may perience traches us that they always have made four when we have trict the experiment; but no such philosopher would deny that experienee may establish truths of entirely different orders of certainty and univer salfy. On whatever gromed we rest, our dishelief in the capacity of chairs and tables for talking differs essentially from our disbelief in the existence of a man of hitherto unequalled powers. It matters not if our sceptieism it both cases arises from the rarity of the phenomenou- But to discuss this at length wonld lead us too far into metaphysical questions. The great objeetion to the IVistoric Doubss is the objection to all weak induce a helief in certain events, by arguing that we onzht to lue credulous. The result, of course, is to make persons who are imposed won fancy that erefutity is necessary to such belief: Whateley himodff cat The currents of oxygen and hydrogen starting from the two eleefroles, acted as provocatives to challition, the moment the change of pressure renderd that phenomenon poxvible. When ebnlition x. ied by the elentric production of these , and was sudecmy instantaneous commotion occurred as if gunpowder had been gnited-Intellectual Obsercer

\section*{LOULS NAPOLEON'S LIFE OF JULILS CESAR.}

The Emperor assumes that Napoleon was as necessary to Earopeas true an expression of its latent wants-at Cesar was of those of the Whent wordd. Hee enturser the vait speech of Napeoteot at St. Hetenn. " What struggles, What blombstied, what years will he required that the meater blander. That Cowar was wanted, that the world, civilized limt in danger of anarchy, really thristed for an ahsolute law under which mankint could sit secure, and that, the Churchoothaving arisen to give the mishty idea of representative government to the world, this want rould bo obtuined only through a personal rule, may be admitted. It is proved by the long peare which tic world enjoyed inder his successor, by the fact that for five humblel yeare no powerful nation or proup of men, with one excention, endeavoured to catalish any other principle men, with one exegtion, endeavoured to establish any other priticiple   the uecle do  An empirs has resived in France, and its chief is a Bonaparte. Thut it is not Napoleon's empire-not that terrible sway in which hingedoms were reduced to commies and nations to provincials, in which kinge wer licutenans of the Casar and rivilized Eumpe eleyed a conscription fof the benefit of one man. Xapoleon is great in the world besanse he has not restored the empire whels his uncle friiled to found-becanse Eng. tand feels her individuality unmenaced, and Germany can advance on her freely-chosen path-because the national life of Italy has been set free, not cuslaved-hecanse alf over the world the nations are helped to acquire the individual life which Napolcoll would hase extimguished under the gorgeonsly scalptured tomb. It was not the Fronel, but the European empire, which Furope ortra ized; it is the Frenel, and not the Earopan empire, which has heen revived.


 ricd out this principle by giving some credit to the stoties of spirit-rap ping impostures, If his arguments were to he loge ally carried oth, footing; and this, in our opmion, would be in itself a sufficient proof of their weakness.-Loudon Sut. Reriew.RETARDED EBULLITION-BOILER EXPLOSIONS
In former experiments Prof. Dufour showed that globules of water heated beyond $100^{\circ}$ C. when sur roundert by other fluids of the sam density, boiled furiously if touched with pieces of wool, paper stances lose their power by freguent or continuous use. Partial menewals of the water oxeaconed diminntion in the retantation ehullition Professor J afour remarks that feconding to expelicuants hitherto made on the retardation of the boiling point oi ments hitherto made on the retardation of the boiling point of water, if has been supposed that this efleet is ony w Mas in vessels of giass or prorcetam. Hee adds in a note tast M. Magnt on to say that when ebullition is excited by diminisha, and goes water in contact with divers metals retardsits hoiling, and thus the mere contact of a metallic surface is not sufficient to counteract its tendency to maintain the liquid state. " When water is in a state of retarded ebulition it presents, in appearance at least, no spreial activity, although a very abundant and exceptional sutface eva;oration is really going on. It looks motionless and caim, ne bubbles of gas or vapour disengage themselves from the mass or from the walls of the vesse. This liquid condition is amalocous Thestable equibormation of a portion of the liquid into vapour ometimes occurs without any apprectable external catuse ; but w are nearly sure of provoking it, by giving a shock to the vessel and sometiues we can do so by admitting a small quantity of air It is not rare to see cbullitions follow a tolerably loud noise, such as a blow struck in an adjacent room, or the shaking occasioned hy walking over the floor" Profissor Dufour compares this action to the effect of agitation in exciting erystalization in sumer-saturated solutions of sulphate of soda. After reference to experiment of MI Mrect and others, the Profesoor observes that if the presence of a layer of gascons matter on the surface of a liguid ex nee of a latlitions it must be interesting to know what eflect cites is cbow from in be interesting to know what eflect ping a pascons layer constanly renewed on the surface of a body plunged into water. 'To ascertain this he immersed two platina wires in water, and rendered them inactive by repeatedly boiling the liguid. It was then possible to obtain retardation of the boiling point to the extent of $10^{\circ}$ or $15^{\circ} \mathrm{C}$. A
galvanic current was then transmitted through the wires, and galvanic current was then transmitted through the wires, and
gases were continually evolved from tacir suriaces, and it became

## TWO LIVES IN ONE

I am old now. My life has heen as placial and unerentfal ns 1 couid which tey family wish me to put hofure the world. In wey to few learn to submit to younger juigments, even as in my youth I submitted oomy elders. In some cases extren s meet. I ask attention to my
tory ouly hecause it is true. Whether it is strange or not, I hardly know : it is strange enough to me.
More than fify y cars azo my troftier Stephien and 1 livel together in sillage about ten miles south of London, where he was in practiec as surgeon. Steptien was thirty-two, 1 eighteen. We had no relations ut a si-ter, five or six years blder than myseif, and well married in London. Siephen was it volitary and studions man, living somewhat part from lis netghours, and stand ng ahmost in a fatherly position towards me. Through the years we had lived rogether no one had chought of his marrying. Thus it was when the events 1 have to tell looking man, rather past middle age, with one daughter, Marion, by louking man, rather past middte age, with one daughter, Marion, by
name. How shall I deseribe her, the most beautiful ereature I ever aw t She was perhaps twenty years old; I never knew preereely. A expresoion more like that of an angel than a human being. Though I
 if and we might have remained unarquainted with them for ever, but dint hee was required to hepp Mr. Cameron over an uwkwasd stile opnoate our homse. Acquamtance once made, they soon grew famiar; orgianism Vamy a summer esening did they pass, smoking the one and talking the othier. Marion sometite es joining in, for she generally walked with them, white iny chob, which wis weak at that time, kept me at home. One day they quitted Stephen at the gate, and as he caacred the noor 1 said

How lovely Marion is! I am never tired of looking at he
"".
It was only too true. She had some dreadful complaint-aneurism, I think it was-whirh must carry her off in the flower of her days.stephen tod me that he lad consulted the most eminent doctors wh displayed, tolf me he losed Marion. I said no word to him about it, I snew better; lat I saw with what dreadful doubts he was perplexed.Exectement mifht shorten Marion: lie--uch an excitement as a dedaration of love from him might he of material injury ; and even if it did not prove so, how could he condernn himself to the prolonged torure of seeing the life of a beloved wife ebb away day by day? Besides, he ded not think she cared for him. I, who had watched her reaselessly, knew that she lovel him with her whole heart. He strug. led with himself fiercely; but he won the fight. He left home for some weeks and returned, looking older and paler; but he had learned o mention her name withont his voice quivering, and to tonch her hand fluence of his changed manaer, and I dared not holp my two dirlings

