tank, and incurred a ground-rent, and now, shey were required at a great expense to dig up all this and alter it. Ae this wan so, he required a succinct bistory of the case-the failure of the pipes, and the reason of the failure.- It was accordingly ordered that this should be prepared.

We have had a shower of letters on the nub. jecs, jacluding atatement respecting Croydon and Rugbr, and must find an opportunity to look at the whole together.

## AERIAL NAVIGATION.

## flying machisery aso alr

## pegesererisg.

The girst partially successful attempts have now been made to obtain suct do:nmon orer the air as man has long exercised in whipping orer the ocean; and althouph sull in a very rudimental scate, there is every proapect of a
complete accomplishment of this grand desine. complete accomplishment of this grand desile.
ralum, of which we bave always been sanguine; more especially so smon as the steam or other engine could be made practically avail. able.

At she Pariviac Ilippodiome, according to Gafignani, an esperiment in aerial navigation recently touk place. The aerostasic machine, which was to ascend on thim occasion, is the invention of M. Giffurd : it is an ublong cylinder, nomewhat in the form of a fish, of about 120 feet in length, and about 20 feet in diameter at its thickest part, and gradually :apering of at both eads. The directing 3 pparatus is a very small and, is is said, beautifully finished steam-engine, setting in motion 3 propeller, resembling in form the screw used in steameressels: this to suspended at about So feet beneath the balloon, from a long boom. whicb is attached to it, and which supports, at the extremity, a triangular wail. 'lhe preliminary preparations having been completed, the machine rose and went rapidly liefore the wind. Suddenly, by the action of the apparatu, ith course appeared to receive a check, and it slowly veered round, thus proving some command of the aeronaut over bir aerial vessel. It then, however, seadily and gradually proceeded in the direction of the wiad, until lost in the distance.

A first step in the science of practical aeromotion, however, has thus been made: and had the propeller, which seems to bave been s very inetficiens instrument, been betser adapted to its new uses, duuhtles: omething more than mere turning might have lueen in this case effected. But, in truth, this propeller seems to bave beeñ nothing more than a mere steering appa. ratus, and the engine may be said to have had no proper apparatus at ald through which to exert its force in such an eleinent as the air.

A somewhat better and more hopelul idea, so far as regards screw propelling, appeary to have been entertained is the design of a flying ship now on the stocks at lioboken, near New York. In this case the floats or oblong egliaders containing the gas appear to be conrerted into a sort of serew propellera themselves, and are intended to revolve by meann of atraps, communicating to them the power of a stearnengine suspended from them below, along wlith the ear which is 64 feet in length, very aharp at either end; width; of feet; height, 6 feet 1 inches ; the whole composed of a strong light wooden frame, corered with cansas, with
doors and alass windows. "The boilers are of copper, on the tubular plan, and occupy a space equad to 4 cubic feef. The engines are said to be very perfect, being composed of gun metal and enst steel : they are of twelre-horses power, and are 10 work 20 inches ntroke sinty times per minute, and will give ano revolutions of the floate, which are placed on a substantial framework on the top of the cap. There is sufficient room for twenty-five passengers, with fuel for four hours. The Hoas is 200 feet in length, of a cugar-like abapp, If feet diameter
in the centre, and bas a gas capacity equal to $95, n 00$ cubic, freet, which gives a liftinu power equal to 6,500 lbs. The entire weighs of the cyp, finats, and fixture, is about 4,000 lbo. leaving 2.500 Itw, surplus. It is denigned to
ran about 200 feet abore the surface of the
earth, at a rate of apeed varying from 25 to 50 miles per hour. The engines are a curiosity, their weight being 181 lbs . They are to be worked with coke and spirits of wine. The inventor of this machine is a Mr. Rohjohn. Ht bas expended 5,000 dollarn alreads on his project, and has thus entirely exhausted his means, and awaits the help of some sanguine capitalist to enable birn to wing his way to Californis or elsewhere.
A still farther and more decided siep in ad. vance than that already made at the Hippodrome, Patis, has quite recently, it seema, been mate on the French frontier, at Luchon. by an aeronaut named Moléw who is said to bave actually travelled five to six miles in a delinite direction and back within half an hour to the spot whence he ect out, beeides whecling in the air, and making a tour round the basin of Luchon and adjuining villages. In this case no enyine was used, but if the report of $M$. Dolis's succesn be true, his apparatus ought to be reparded as, in some sense, a model, by means of which to remedy the defecte of $M$. Giffurd's ıpachine.

The apparatuo of M. Molia is thus deseribed in the Paris Constitutionnel:- "It consisted of a balloon of an oscuid mape, inflated with hydrogen gas, of merely sufficient size to sup. port bis weight, and that of the atticles he land with him, and at the same time to bare an ascensional power. To the net-work of the balloon was surpended a small table, on which Moléslay on his belly, his back being also secured to the net-wiork. T'o each of his legs between the knee sud the instep was attached a kind of umbrelia, acting freely on its stick, and the opening of the silk of which was turned outwards. In each hand was a sort of hand-screen of wilk, opeaing with binges, and expanding or contracting at will I rope from the vaive of the balloon was placed round him neck, and round his body was a belt containing sand, and about sir or scren pounds of shot as ballast. When the signal for letting go wras made, the balloon rase gently to a height of about 200 yards. The acronaut then began to make use of his means of impulsion. llis legs were alternately crossed, and then put out at full length, the firsi motion clusing, the second opening the umbrella, diving a pint diappui upon a large surface of compressed air, and causing the ballown to adrance, whilst the arms were
moving in the sarne direction. T'be atmo. sphere being at this time calon, the acronaut found no difficulsy in directing himself in a straipht lige on the axis of the valley towarda the north. and the speed appeared to incresse progresisively as the apparatus worked better. Returning to his starting-puint, be came to the ground slowly in the same meadow frotn whence he had risen. It is more eary to conceive than express the enthusianm and ex. citement of the crowd of piersons who had assembled. The aeronaut was conducted in triumph to his residence, and he has añounced a second ascent for Sunday next. It is so be hoped that there will be then a little wind, in order to ascertain whecher that will not prove an insurmountable obstacle. Antonio Molew bas assured us that he has the means of over. coming any difinculty of that sort, as readily as the best rensel on the ocean."

We hope we shall hear no more of such absurd exhibitions as thone of late imported from IParis. "lhe only good they have latterly done, perhaps, is to fambliarise the mind with the idea of a guarter to a half hundred people being tranaported through the air in one machine. The American one, which is to carry twenty-fice passengers, is thus far no novelly is for the mancuuvres of acrobats and such like exhibitions, they are still worse than the suspension of mere cows and horses, and in the same rank mast be placed a recent project for ascent while merely holding on by the keeper of a magnei hung below the car.

Mr. Jag. Fithans. Scllutor.-We are
sorty to have tos announce the death of this able sculptor. We have a strong recollection of a noble head of Professor Wilson executed by bim.

IMPROVED DWELLING-HOUSES FOR THE WORKING CLASSES AT XOT tINGHAM.
A boer swo acres of building ground hape been purchased at Notlingham by an assara tion formed some time since for the improrement of dwelling for the working classen, and building operations are to be immediatels commenced. Tenants are already apprafing before a single stone has been lud. Thie duellings at present inliabited by the worhing classer in Nottingham are mueh overctuwed? and exceedingly defective in crepy remper: while the rent are high, and the poor peonic are often even obliged to pay bonutes for th: privilegt of entry. The Noffingham Gusrdize thus speaks uf the plans on which the nez dwellings are so be erected:-"Ilie firbt \&te? takeñ was tó advertise for plane fup tro de. scriptimss of houses-one kind to cout 13.4 .17 the erection, and the other 1001 . I'wo prizes -one of 201 . and the otber of 10 i-mere of plans were sent in. At length is waste solved to award the first prize to Meostr. (") (C) and $A$. Dennet, and the wecoad to Mr. J. s Norpik. The first met of cotimes denimnts en the Mesars. Dennet-those couting $13 \mathrm{Min}-\mathrm{ar}$ two stories in height. Each containg foys bed-romme, one parlour, a kitchen and pantm, a scullery, and a place for fuel, while betue: there in a separate yard, with privy and o:ber conveniences. The exterior is proposed to bexecuted in stucco ith cement dressing.
rooms are large and airy: provision ans mit for a regular and copious supply of has and soft water: the rentilating arpangemems are excellent, as are also those for wasling at
other domestic operations. The ground of the 100!. housen is precisely the same as that of the others, the only difference beina that the rooms will be a litue smaller : other reaperts the plans are infenticals down: the minutest detail. "pon the ground thme ef signs, shere are an entrance lubby, a partout. hitchen, a pantry and place for fuel, with : enclosid yard at the back. The chast story consints of four bederoms.
houses are proposed to be set back from :he street, there is thus allowed a small dasjuz an each, of about 10 feet in width, enciused ins iron pallisade. Pach kiteben is providel w!h a copper and sink stone. with water "pere and also with a moderate-sized range. Vurk care has been bestowed with respect io vens!2. sion. The plan of the 1006 . housed titetes from the above only in the diminithend sate of the kitchens, and in each dwelling having
only thrce inotead of four hed-rouns.: only three instead of four bed-roums.

## OL'R ESTATE AGENTS OF

MAsy of your readers imapine the dass of the George Robins afyle of advertising housc property are gone for ever, but an occassurat perusal proves that there yet peman a fuss $w 2 y$ their great departed leader. The Times a days siace contained some choice tit bris tha: ought to be remembered and, cherished bo yozr readers as quetations that cannot fall to aco useful w them when obliged to refors :o " nuff." The following are all frman a " "rsi* end agency office, whose aim is by adroce 3r. coptern, and confuz of intelligence. to acrox pliwh the utmont wiahes of his aypucans announcements subjoined: "First," i somi suburban semi-prorincial reaidence,
that five-arched stone bsidge epanning yonds? wide, refreshing river, neandering with m yjestoc course through a fertife happy colley bill lie in woodland rural scenery.
enjoyable home contains
anc a calegory of erections
garden almos overpowering with brilliancy and fragrance lawn of beauteous herbuge
kitelien garden burdened with fruitaze, and cumbrous in vegetative productions!" siecond "A rencleman"s cottoge $\quad$. withacow in full milk." "lhird, "A small country erat bill. .ituate on the rise of a picturesqut

