of watohmakor's approntices, and by porsonal contributions of monoy and bpoke, ns woll as oucrgetic work in its belhalf, the school flonrished and led to tho cotablisiment of soveral in othor parts of Europo; among which may bo named those at Goneva, Chaux de Fonds, St. Imior, Bienno, Neufchiatol, Flourior, Soleure and Glasghutte. The sohool at Genova was founded in 1826. In 1842 it was takon possession of by the oity, and has a yearly budgot of 48,000 francs, from which 4,000 franos aro deduoted. Each pupil from the oity pays five france, and outsidors pay twonty francs por month as sohool money. Foroiguers have to pay the samo amount ns the othors with the additional fee of 100 francs entrance money. Papils are received into theso schools after their fourteenth year, and must remain four and one-half years. They first onter for one year for raty work, when they learn the manufacturing of the single chief component parts. They then pass nine months in the class for mounting the wheol works, and an equal period in the class for the winäing up and for the repeaters; the next year is devoted to the study on escapement, nnd the last year for final revision. Beside the practical hand. work, the study of matiematios, machinery, drawing and physics constituto the chioe branclees of instruction, in which the pupils are aided by the professors in their best methods. There is also a special technical school at Chaux de Fonds in which from 150 to 200 pup ils espucially dovoted to the art of decorating are provided, and this is a very important branch in the watoh industry.
No other indastry in the world Las such a fixed system for regulating its work as the $S$ wies watsh manufacturers. Sixty distinct masters are occupied with the manufacturing of the different parts of each single watol, and this is so divided that each worbman manufactures throughout the year the same piece-for oxample, the hands or certain wheels-and by this means the porkmen altain peculiar ability in their special work. Their former simple and primitive tools have been metamorphosed into the most complicated machinery, and their ability to perform work is enormous both as to quantity and quality. They generally work at home with the help of the mem. bers of their family, and then sell these finished component parts to the big manufacturers, under whose superintendence the watch is completed. Although these different parts are procured from different shops, they fit oxactly together because thoy are made after one and the same number, measure, rule and system. Seventy thousand persons are now employed, buit the production cannot bo estimated exactly. A half million watch cases are made, and the whole production, inclading those sent abroad, smounts to at least a million piecga, representing $100,000,000$ francs."
The question is if these schools have
done so much for Europenu countrios, what would thoy do for Caunda? Is the idon practical, aud if it is who will put It into slanpo?

## OOMMUNIOATION.

Tho Filltor iloon not hold Illusolt ronjonsibla in any way for tho onfinfons exprossod by corraspomlozita.

Ottama, Juno 17th, 1882.
The Trader Publishin! Co., Toronto.
Gbntlearsn.-I notice in your Juno issuo a paragraph dovoted to the case of Ellis ws. Freudenberg. I trust that you will allow mo spaoo in your journal for a few words in reply, as no doubt somothing in solf dofence will be oxpected from me by your readors, cspecinlly by thoso who do not kuow Ellis \& Co . as well as I, or the facts of the caso. I positively deny taking all available funds with me on my leaving for Germany-on tho contrary, I deliberately left sufficiont funds at the disposal of my wife, who had all along assisted mo in the management of my basiness, to meet the only acconnts that would mature before my return, and the charge that I took with me some of my stook is also a false charge. I took no stook, and the judgment of the Court does not sastain such charges, and I here state publicly that at the time the attachmont was issued I was not in. debted one cont to Ellis \& Co., or to any of my creditors, as is slown by the schedule of my liabilities now in Court, and had I been fortunate enough to have had my application mado at an carlier stage, it mnst have resulted differently. I need make no comment upon the part of the paragraph that states I shonld have notified my creditors before leaving, \&o., as it is simply consistent in the absurdity with the rest of the paragraph. I have saffered great damago at the hands of Messrs. Ellis \& Co. and their two willing iustraments in this city, bnt I hope by close attontion to busiuess a business will soon bo built up that will be lasting monument to the shame nad disgrace of him who one day ontered and left my store as a friend and well-wisher and the next morning put in the Sheriff and gutted my store, leaving my wife and family in my absence helpless, with. out means of support.

Yours respectfally,
E. FREUDENBERG.

Mn. Deonruis, in a lato session of tho Academio des Sciences, Paris, proposes to subgtitato pirots made of fridized platiaum, in placo of

## Filctetu fututter.

WORES OF ART REPAIRED.
ancient and modelan damaged mate-a-biao tuaned out as cood ab new.
Tho sigu over the doorwny prosented the ocoupant of the building to the world as a " Ropairer of Art I'ronsares," nad tho samples of large damagod vases, brokon bronzes, and dilnpidatod armour displayed in the ample windows gavo promise of interesting mattor within. And, in fact, tho establishmont appoared to bo $a$ vast and mystorious ropository of drmaged art, such as g\%en Titth Nell and ber grandfathor would have wondered over.
"You see," the proprietor said, "we get a great variety of goods for ropair aftor the May movings. Many people are careless in handling works ot art, and some of the finest of thom aro the most fragile. Here is a noble piece, or pieces rather, of Dresdon ware, which will be repaired into a large and elegant taza when we get its bundred or more frag. gments together. How people can possibly mako so thorough a smash of a thing, I canuot undorstand. It is true they might throw it agninst a wall, or drop it out of a third-storey-window to the sidewalk. We get many things as bad as this, and somo that are worso. This other group is also badly broken up. In statnettes like this, the necik is almost invariably suapped. Heads, hands, arms, and fingors oflencst need our services; legs are next in the order of accidents.
"Can we repsir noses? Well, I will show yon an oxample in point: toll me Where this one is joined to the sace. You cannot porceive it? You pay us then is high compliment. If you could detect a blemish we would not be good repairors. You may see a trace of our handling with this magnifyng glass, but not otherwise. It is one thing to stick on a nose and quite another to repair it artistically. The tro historical noses that stand fixing ap the best and oftenest are Washington's and Wellington's. Owing to their prominonce, you understand, they are easiest broken, but thanks to their size and substance thay are the most satisfactury to repair. It is luoky for the Asiatio and Egyptian idols which are now so plenty here, they haps mostly flat noses; it preserves their integrity, and baves us much work with the file.
"In large breakages we ofton have to

