



FIG. 3.—SAUCER OF HONEY, PINCHERS, SCISSORS, DISPATCHES, GLUE POT, AND BEE WITH DISPATCH AFFIXED.

is applied exactly against the entrance to the hive, so that, in order to enter or make their exit, all the bees are obliged to pass through these apertures. The little messenger, hampered by the protuberance that the dispatch forms upon its back, exhausts itself in vain efforts to pass through in its turn, and is obliged to wait for some one to free it from the burden that prevents it from entering the hive.

Here, then, is the system of correspondence devised by Mr. Teynac. It will be seen that the use of it is as yet not very practical. The difficulty resides in the small extent of the field of operations of the same swarm, and this would, for transmission to a long distance, necessitate a multitude of intermediate stations two or three miles apart. It is true that the establishment of such stations is neither difficult nor costly, since there is no need, as with the other messengers, to trouble one's self with the question of feeding, but, on the contrary, each station would be a source of revenue to its guardian. But, in most cases, for a besieged city, the establishment of a station at a distance of two miles is so evident an impossibility that it is not necessary to dwell upon this point. Moreover, relays so close together would occasion great loss of time. It remains to be seen whether in the immense family of hymenoptera there may not be found a messenger which, through patient training and proper selection, might be able to travel greater distances. It is toward this point that the researches of Mr. Teynac are being directed, and he is now experimenting with the *Bombus hortorum*, domesticated by him.—*Les Inventions Nouvelles*.

YOU MAY SEE A MILLION.

A concession has been granted to M. Stepanni to erect a Moorish palace at the World's Fair. One of the many attractions which he proposes to exhibit in this palace is \$1,000,000 in gold coin in one pile. He believes that this will be a great drawing card and that nearly every visitor will want to see it. Of course great precautions will be taken for the safety of such great treasure. It will be in a strong cage and, Mr. Stepanni says: "Just under the gold will be constructed a fire and burglar proof vault. To the doors of this vault will be connected electric wires. In the event of an attempt to rob the palace my guards will press an electric button, the entire pile will fall into the vaults, and the doors will spring shut." A space 200 by 250 feet was granted for the Moorish palace, upon which Mr. Stepanni says he will expend \$400,000.

CANADIAN DEMANDS ON BRITISH INDUSTRIES.

A good deal of interest is being evoked just at present on behalf of Canada and the Canadians. It appears to be assumed that they are discontented with their present circumstances, and that they are resolved to throw in their lot with the United States, or to set up as an independent kingdom or republic, as the tastes of the majority may dictate. The question, in