## IDENTIFICATION.

TO THE EDITOR OF THE TIMES.

Sir,—In consequence of a resolution passed by the general meeting of the British Association at Edinburgh, its council has urged the Government to institute inquiries into the efficiency cost, and general utility of the system of anthropometric identification in use in France and elsewhere. I was absent and had no share in framing the original resolution, but the subject has long interested me, and I was appointed a member of the committee to whom the council referred that resolution for report. Much corroborative evidence is in my possession that was not and could not have been brought forward at Edinburgh, but which confirms the propriety of the resolution. Perhaps you will permit me to refer to it here, as I believe the subject to be one of considerable importance. The precise terms of the resolution as it now stands are as follows (copies of it have been sent to the Secretaries of State for the Home Department, Army, Navy, India, and the Calonies): cost, and general utility of the system of

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Considering the recognized need of a better system of identification than is now in use in the United Kingdom and its dependencies, whether for detecting deserters who apply for re-enlistment, or old offenders among those who are accused of crime, or for the prevention of personation, more especially among the Illiterate, the Council of the British Association express their opinion that the anthropometric methods in use in France and elsewhere deserve serious inquiry, as to their efficiency, the cost of their maintenance, their general utility, and the propriety of introducing them, or any modification of them, into the Criminal Department of the Home Office, into the Recruiting Departments of the Army and Navy, or into Indian and colonial administration.

I am told that the chief information submitted to the Edinburgh meeting was through a very interesting memoir by Professor Manouvrier on the Paris system, which is there popularly known as bertillonage, from the name of its inventor and director, Alphonse Bertillon, and a no less interesting description by Professor Benedict of the modified system used in Vienna. It might have been added that some of our leading statisticians had availed themselves of a congress held in Paris to see the working of the

It might have been added that some of our leading statisticians had availed themselves of a congross held in Paris to see the working of the Bureau d'Identification at the Préfecture de Police, and were greatly impressed by the celerity and apparent sureness of the work. I myself carried away the same impression after two visits, the one a few years and the other not many weeks since. An account of the Paris system has been published quite recently in a somewhat more complete form than hitherto, under the title of "Identification Anthropométrique" (Imprimerie Administrative de Mélun, 1893); but for a description of its adsomewhat more complete form than hitherto, under the title of "Identification Anthropometrique" (Imprimerie Administrative de Mélun, 1893); but for a description of its administration and cost reference should be made to an anonymous pamphlet, "L'Anthropométrie Judiciaire à Paris en 1889" (published by Steinheil, Paris). Since the Edinburgh meeting the results of my own inquiries into finger prints have been published in a book bearing that title, as well as a supplementary chapter to it, on the decipherment of blurred finger prints, which is just out. Again, the memoir on identifying desertors in the United States by Colonel Greenleaf and Major Smart, of the United States Army Medical Department, is only lately published in full. It was communicated to the International Congress of Hygiene and Demography in 1891, and now appears in their transactions, vol. 10, p. 294. The memoir by Jacques Bertillon a few pages further on ought to be read in connexion with it, lest an erroneous impression should be drawn from the purely American experiences as to the working of the Paris system. memor of Steques Bernino a tew pages further on ought to be read in connexion with it, lest an erroneous impression should be drawn from the purely American experiences as to the working of the Paris system. Many other sources of information exist, the number and variety of which may be gathered from the following passage by Alphonse Bertillon in the book mentioned above, p. 81:—"The countries which at the present hour have officially adopted Anthropometric Indentification are—the United States, Belgium, Switzerland, Russia, the greater number of the States of South America, Tunis, British India, Roumania, &c." This is certainly an overstatement of the fact, if taken in its literal sense; nevertheless it indicates directions for inquiry, and shows that there must be a great deal of scattered information now procurable, though very difficult for private persons to get at.

The results of my own inquiries are that we may consider it to be almost proved, that Anthropometric Records, including measures of the head and limbs, bodily marks, and finger prints, admit of being so classified that a register, or rather a collection of assorted cards, consisting of considerably more than 100,000 different records, may be searched with surprisingly little trouble, somewhat on the principle of a dictionary, in order to learn whether a record of any suspected person is contained in the collection or not. Another safe conclusion is that, leaving finger-prints for the moment out of consideration, there can be little doubt whether or not wo different records refer to the same person, it being supposed that both were taken when the person was adult and by

operators who had been instructed in their clusies. H, however, fairly clear impressions of the control of the process, and that of the probability has bounded in their cortia, the strong probability has bounded in their cortia, the strong probability has been a bown to the probability has been at the probability and that of the probability has been at the probability and their control in the probability and the process of these conclusions may safely be excepted proteionally, so far a to justify two being and the provide private persons. They have merely deliberably make, but which do commented could also powers of private persons. They have merely deliberably make, but which do commented the powers of the private persons. They have merely deliberably make, but which the process to supply. This question is touched tupon in Bertillon's books, p. 75. Under our present the property of the provide protein property of the provide protein property. The supplementary of the provide protein property of the provide protein a distance as winesses to previous consistions, partly through prologing the required deficient of private persons of the provide protein and the provide protein protein and the provide protein and the provide protein and the provide protein protein protein and the provide protein protein and the protein and the provide protein prote