



Ericsson News

DECEMBER 1928

English edition

Managing Editor:

Woldemar Brummer

No. 12

The Recently Installed Automatic Telephone System in Naples.

The 28th of October is one of the great days of Modern Italy. On this day six years ago, Mussolini entered Rome after his celebrated march, which gave the Fascisti party the power in the government of Italy.

The work of reorganisation accomplished since that day for promoting the welfare and progress of the country is admitted on all sides to be of an imposing character, even by these who oppose the system as being a form of dictatorship.

The young Fascisti movement has imbued the whole people with its own enthusiasm and energy, and has instilled a spirit of confidence in the future of the Italian nation into the hearts of the people. Order and discipline have been introduced in the all the branches of the administration. The currency has been placed on a stable footing, and great public undertakings have been started and brought to a successful conclusion under enthusiastic co-operation between all classes of the population. Honesty, order, progress in the interest of the common weal, are the watch-

words under which the whole nation has become united.

The 28th October is now a festival day dedicated to Italian work. On that day the public enterprises which have been carried out during the year are officially inaugurated. The 28th October this year is of interest to Swedes as well, inasmuch as an undertaking in which Swedes are greatly interested, and to which they have contributed valuable work, was opened for public service in connection with imposing ceremonies. On this day the new automatic telephone service of Naples was inaugurated in the presence of representatives of the Italian Government and the city administration of Naples,



R 1080

Il Duce Benito Mussolini.

as well as invited delegates from foreign telephone administrations, amongst them those of France, Turkey, Greece, etc. The contractors, L. M. Ericsson Telephone Co., were represented by the Chairman and Vice-Chairman of the Board of Directors, the Managing Director of the company, and a number of officials.

Naples is a city with 950 000 inhabitants,

and is built in the form of a crescent along the shore of the famous Bay of Naples. The situation of the world-famous city on the blue waters of the Mediterranean, with the constantly smoking Vesuvius in the background, is too well known to require a description here, except to say that for telephone purposes it is rather long in proportion to its width. It has now received a telephone system that will no doubt be a lever in the continued strong growth of the city to a dominating position. The telephone network is constructed on the Ericsson system under the supervision of Swedish engineers. The lines are for the most part *subterranean cables which extend all the way to the subscribers' instruments.*

The service organs consist of three automatic exchanges of which two are housed in new buildings (Ill. 3 and 5). The third exchange is installed in a building (Fig. 4) which the new concessionaire company has taken over from the Italian Government, and where an automatic exchange of American rotary type was installed in 1924. As this exchange occupied too much space and besides was expensive to maintain, it has been replaced by an Ericsson automatic exchange of the same capacity, which occupies only a fraction of the space (see illustrations 6 and 7).

The telephone system in Naples was built during the time when the Italian Government operated the service. Comparative tests between the old and the new systems show an immense improvement as regards distinct reproduction of the speaking; there is now a total absence of disturbances on the lines, and the service is rapid and accurate. Interconnection between the new and old networks was tried during a whole week before the formal opening, and gave excellent results. Enthu-

siastic articles in the Italian press testify to the general satisfaction with the new service. The number of subscribers in Naples is 8 500. A rapid development is expected, however, and the exchanges are equipped for 80 000 lines.

* *
 *

At the board meeting held in the offices of the Società Esercizi Telefonici (Set) in connection with the opening of the new telephone service, the chairman of the company, Signor Soldi, made the following statement to the minutes.

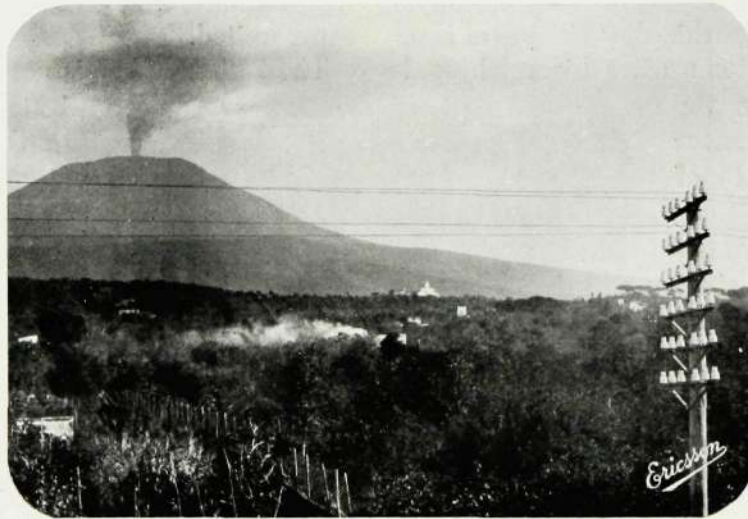
»The directors have met to-day chiefly in order to receive the pleasing intelligence that the three exchanges which are to handle the telephone service in Naples are already ready to assume this function.

This means that the most important part of our company's construction programme has been completed. We are heartily pleased over the fact that our wonderful city of Naples is

from this day the possessor of the most perfect telephone system that telephone engineering at the present state of development can devise.

It gives great satisfaction to know that this is the case, and knowing the unanimity of the directors on this point, I herewith take upon me to convey our heartiest congratulations to our esteemed colleague, Director Wincrantz, whom we have the pleasure of having among us to-day, on the technical achievement of his company.

I know, too, that I am voicing the feelings of the directors when I say that we wish these expressions of indebtedness and congratulation to be made known to all friends and patrons of the L. M. Ericsson Company.



R 1078

Fig. 2. Vesuvius, seen from Naples.



Fig. 3. Exterior of the new Administration Building, which also houses the Porta Nolana Exchange.

I also take this opportunity of conveying to Mr. Piltz of the Ericsson Co. the directors' sincere acknowledgements for the manner in which he has superintended the erection and equipment of the new exchanges, to which work he has devoted his great experience and capacity as leader, as well as to Signor Pellegrini, for the zeal and intelligence he has displayed in carrying this interesting portion of our telephone construction programme to a successful issue.

Finally, it gives me great pleasure to call the attention of the directors to the work performed by Cirt (C:ia Installazioni Reti Telefoniche), and especially the technical contribution to same by Mr. Lindén, to whom we are greatly indebted for having obtained a network which is generally acknowledged by telephone experts to be the best to be found anywhere.»

* * *

Signor Perrone, a member of the Board of Directors, afterwards made a short speech on behalf of the city of Naples, to the following effect:

»Mr. Chairman,

A native of Naples myself, I speak on behalf of my Neapolitan and South-Italian confrères on the Board, Signor Maglione and Marquis Granaféis. We have listened with rapt attention to your remarks, from which we have gained the assurance that our Naples is about to receive a telephone service, which in technical respects will place the city in a leading position not only in Italy, but in all Europe, and perhaps overseas as well. Allow me then on behalf of the people of Naples to express a sincere thanks to all who have contributed to this achievement. Thus, not only to the technical leaders, messieurs Pellegrini and Piltz, who have conducted the great work with skill and perseverance, and to the foremen and workers under their direction, but also to all whose financial and technical collaboration has made it possible to complete the undertaking with such precision and in so short a time. We therefore wish to express our gratitude to our Northern friends, for their fraternal willingness to devote the inestimable benefit of their capital, their wise counsel, and experience, to the furthering of the interests of our



R 1071
Fig. 4. Exterior of the «Amedeo» Telephone Exchange.

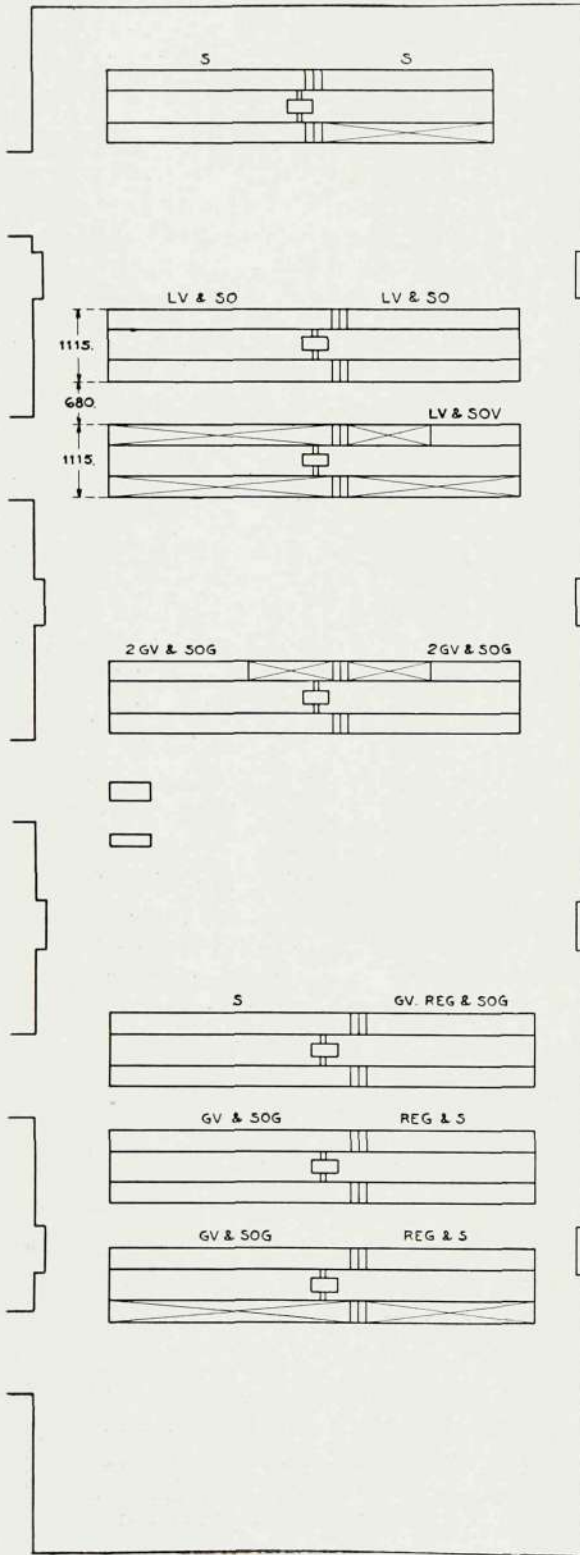


R 1070
Fig. 5. The «Borsa» Telephone Exchange (to the left in the background).

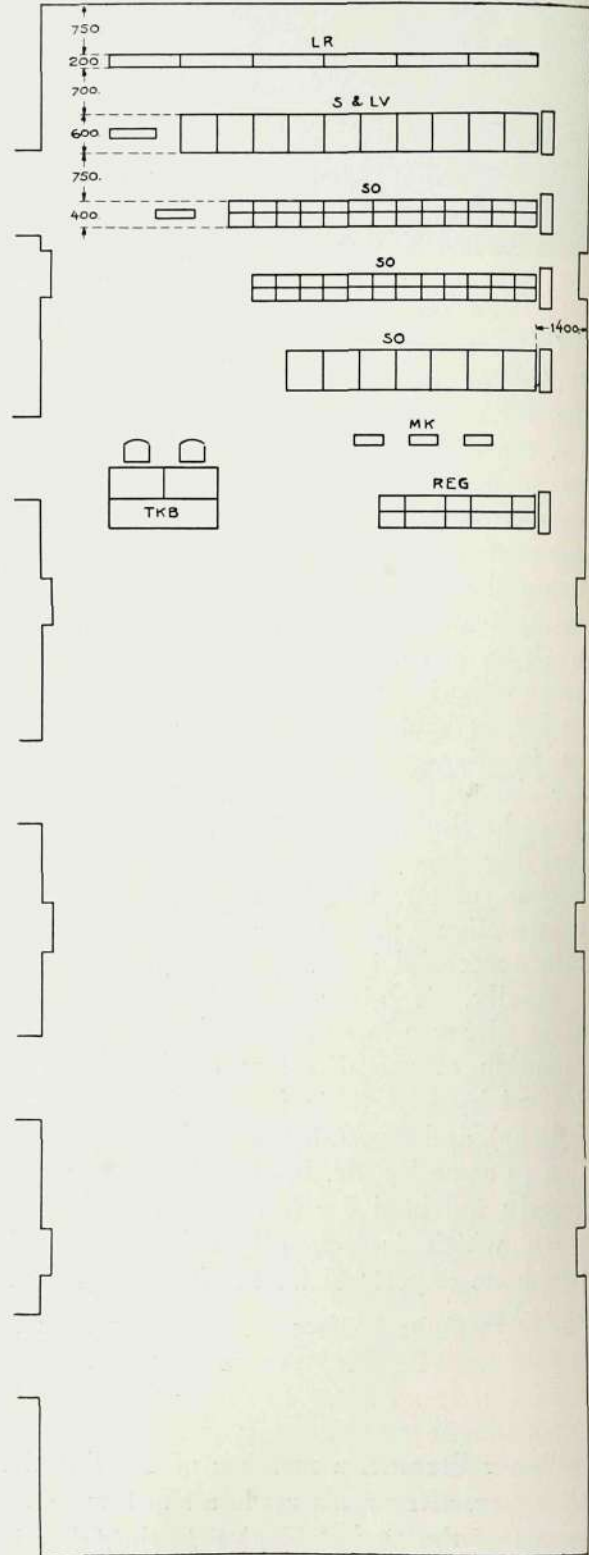
Plan of the »Amedeo» Telephone Exchange.

Switch-room for 2 500 lines.

Western Electric System.



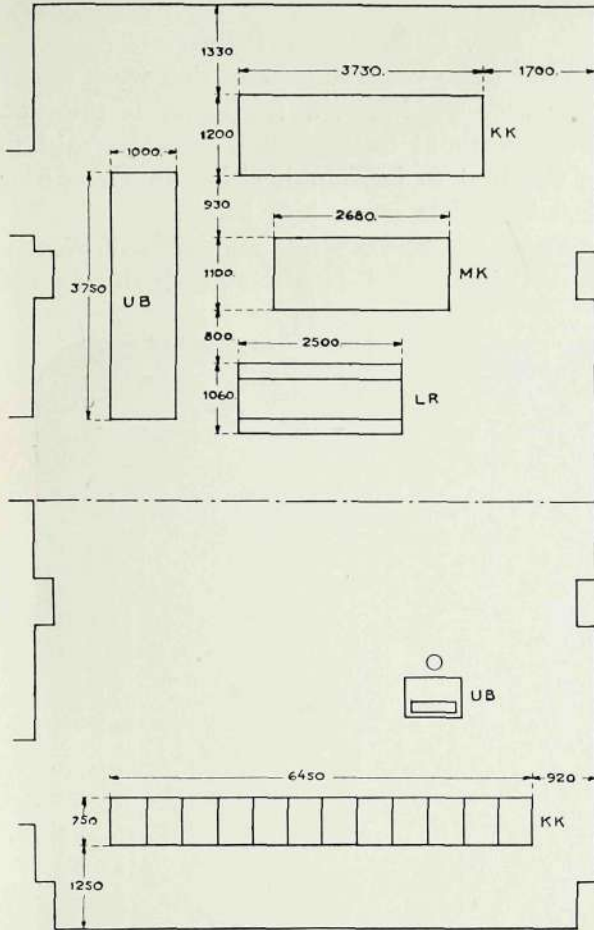
Ericsson System.



R 1069

Fig. 6.

Plan of the
 »Amedeo» Telephone Exchange: Distribution.
 Above: Western Electric System. Below: Ericsson System.

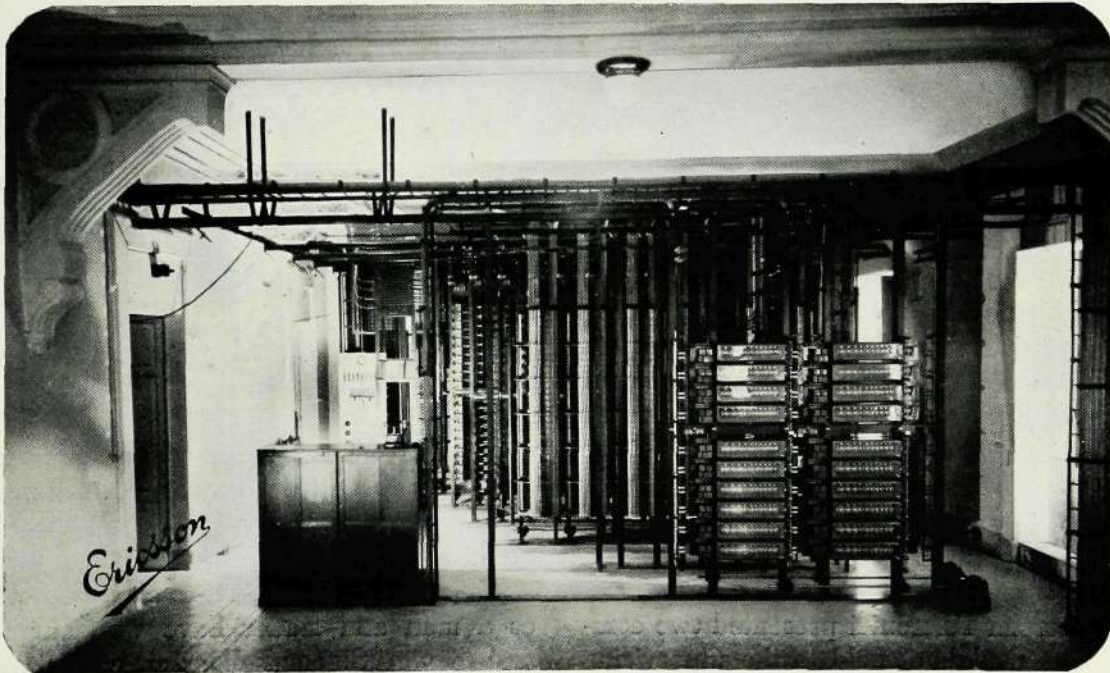


Designations:

- GV = Group Selector.
- 2GV = Second group Selector.
- KK = Cross Connecting frame.
- LR = Line relay.
- LV = Connector.
- MK = Distributing frame.
- REG = Register.
- S = Line finder.
- SO = Sequence Switch.
- SOG = Sequence Switch for Group Selector
- SOV = Sequence Switch for Line finder.
- TKB = Traffic Control Desk.
- UB = Test desk.

R 1068

Fig. 7.



R 1074

Fig. 8. Interior of the »Amedeo» Telephone Exchange.

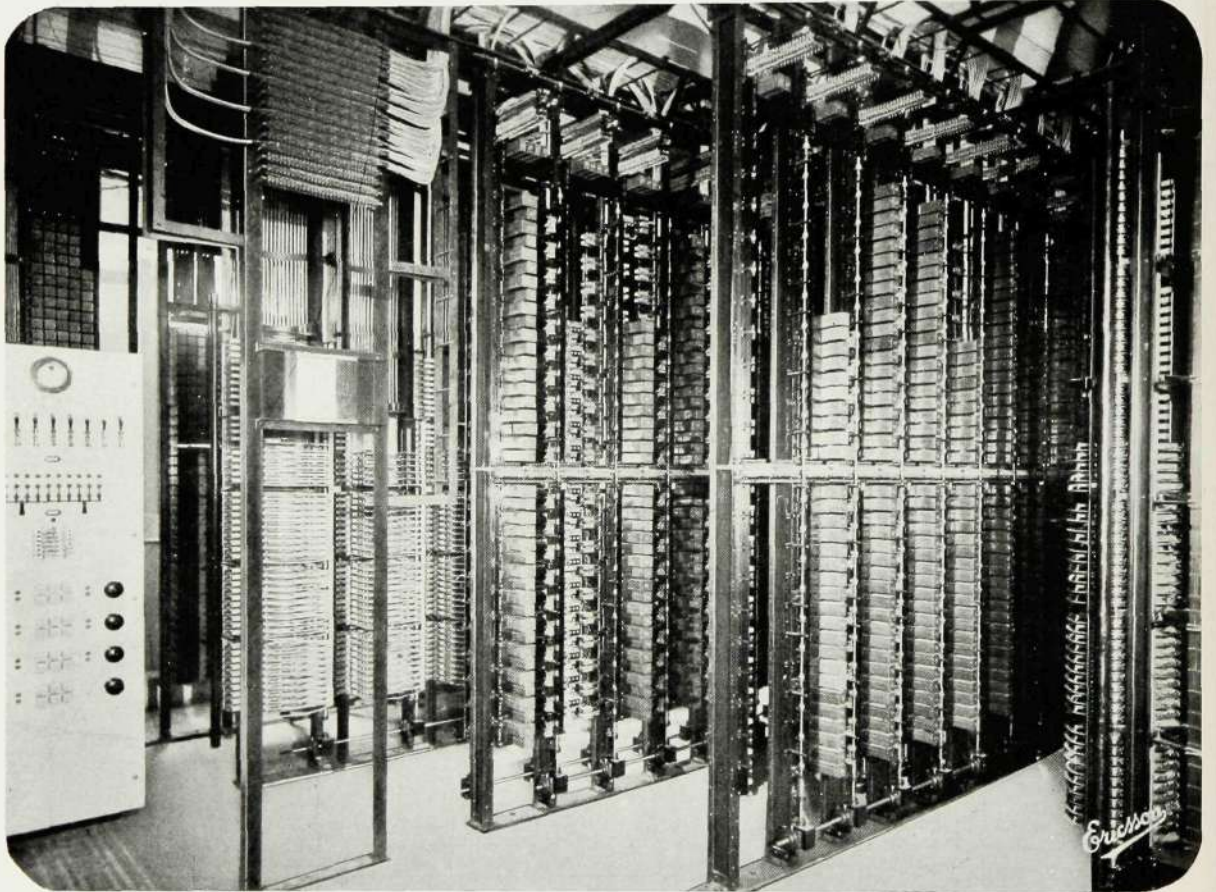
beautiful country and her hard-working people. To them, to these Swedish concerns and prominent industrial leaders, of whom Mr. Wincrantz to-day has honoured our meeting with his presence, I address these words of appreciation for having come to us from the very end of our old Europe to use their powerful organisations and admirable products for furthering the interests of Naples and South Italy.

Piltz. Signor Pistolese on behalf of the staff handed over the medals with the following words:

»Mr. Piltz, Signor Pellegrini,

After three years of unremitting work under your able guidance, a telephone installation which without exaggeration may be said to be the best to be found, either in Europe or elsewhere, has come into being.

We who have faithfully and enthusiastically worked in the company's interests during the



R 1076

Fig. 9. Interior of the »Amedeo» Telephone Exchange.

I request that these remarks be recorded in the minutes of the meeting to remind us for all time of our feelings on this occasion.»

* * *

In connection with the opening of the new telephone service in Naples, the employees of Società Esercizi Telefonici presented two commemoration medals of gold to the supervising engineers of the work, messieurs Pellegrini and

construction work, and who are dependent on its future growth and development, feel it incumbent upon us to express our admiration and strong affection for the leaders of these extensive operations: to you, Mr. Piltz, who in your every-day duties sets us an example of indefatigable energy joined to sound and keen intelligence; to you whose admirable qualities as a man and leader have won our hearts; and to you, Signor Pellegrini, who stands before us as an example of faithful and self-

sacrificing performance of your work, who through your personal and gifted leadership inspires not only with respect, but also with satisfaction, and who under the strictness of your character hides a fatherly disposition, which we, your staff and other employees, are able fully to appreciate.

The Italian papers have devoted much space in their columns to reporting the ceremonies and description of the installation. This applies not only to the Naples newspapers, but to the journals in practically all large cities. Several Rome journals comment on the event, »Roma» writes that Naples has now received a tele-



R 1075 Fig. 10. Interior of the »Borsa» Telephone Exchange.

The employees of all the company's branches join with me in this expression of regard for your services and personal attributes.

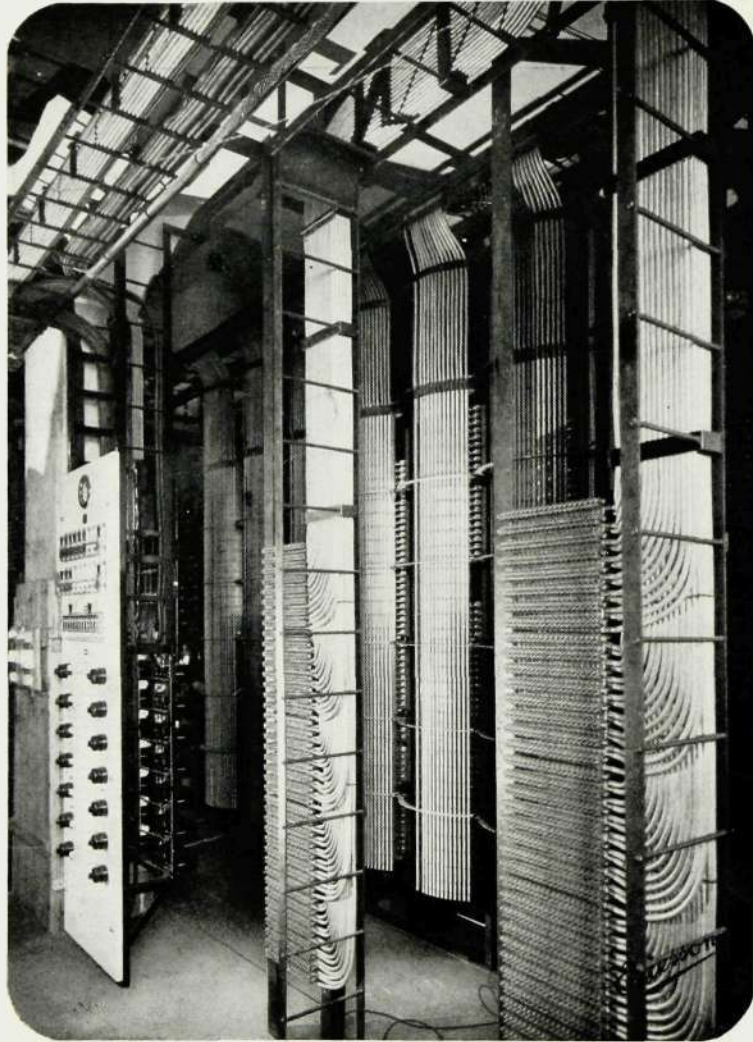
As a testimony to our respect and affection, I am empowered to hand over this simple gift, which we hope you will kindly accept.»

* *
*

phone system worthy of a great city, which solves one of its most important communication problems. »Il Mezzogiorno» alludes to the enormous advance of engineering technics which has now been in a glorious manner exemplified in the new automatic telephone exchanges, and »Il giorno d'Italia» points out that Naples has now one of the most per-

fect telephone systems that exists in Europe. The Naples papers write with, if possible, even greater enthusiasm, »La voce di Napoli» devoting a long article to a description of the system. Of other papers having special articles about the event are »L'Oro» in Palermo;

»Il popolo d'Italia», in Milan, Mussolini's own organ, which writes fully about L. M. Ericsson's large automatic exchanges lately opened. The weekly journals and publications also publish whole series of illustrations from the inauguration ceremonies and the exchanges.



R 1077 Fig. 11. Traffic distributing frame in the »Borsa» Exchange.