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UNUSUAL TECHNIQUE
 INSTALLATION OF MICROPHONE SURVEILLANCE
 KANSAS CITY DIVISION

JUNE

The Bureau will be interested in the ingenious techniques and procedures utilized by SA GEORGE D. ADAMS to install a misur at the Original Toy and Jobbing Company, 305 West 9th Street, Kansas City, Missouri. This installation was authorized by Bureau letter, dated 11/2/61, captioned NICHOLAS CIVELLA, aka, Anti-Racketeering.

Transmitted herewith are three photostatic copies of diagrams showing method by which installation was accomplished and one 1200 foot reel of magnetic recording tape, recorded at 3 3/4 inches per second, an example of the quality of intelligibility obtained through this installation.

It was determined that installation would be made to cover office area of Store "X" (Diagram one). Through development of confidential source, Store "Y" was rented under cover of business firm, to be utilized as storage space for merchandise.

The area in which these stores are located is an older business section and the two are divided by a common wall of solid brick and plaster, 27 inches thick. Through legal access to Store "Y", the plan was to bore through this wall at caseboard level to cover the area of the office space in Store "X".

On closer scrutiny, after project was begun, it was determined that there were two chimney flues within the separating brick wall, one at the rear and one at the front of the building (Diagram one). These were no longer in use, inasmuch as the heating plant had been converted from a coal furnace to a gas furnace. It was found that chimney flue "B" (Diagrams two and three) was in an ideal location with respect to the office area of Store "X", where coverage was desired.

2-Bureau (Enc. 4) (RM)

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94-150A-223

DATE: 11-14-2017

KC 94-150A

As a result, to accomplish the desired penetration of the common wall, it was only necessary to remove one thickness of bricks from the wall identified as X₁ and Y₁ (Diagram three).

This allowed access directly to the baseboard of the office space in Store "X" and two mites, connected to separate leased lines were concealed in area X₁; an air passage was made through the plaster to the back of the baseboard, and vertically to the top of the baseboard in area X₁.

The lines from the mites were run to the basement area of Store "Y" through chimney flue "B" and from there to the plant.

Insulation was placed in the flue above areas X₁ to Y₁ to avoid possible air flow noise; the bricks were replaced and mortared.

The mites were connected binaurally at the plant. This was done to allow the gain control on the individual amplifiers at the plant to be set at a minimum, thereby decreasing line noise without curtailing intelligibility. Further, it was felt that this type of installation would prolong the life of the equipment, and each could be operated monaurally in the event there was failure of one of the instruments.

It is felt that the method used in making this installation and the means of egress might be of interest of the Electronics Section and other field divisions, where similar problems of penetration are encountered. This is true particularly in older type business buildings separated by a common wall, where in many instances, the heating plant has been converted from coal to gas. The abandoned chimney flues thereby offer an excellent means to an end.

It is further pointed out in connection with this installation, at Kansas City that because of legal access to Store "Y", where work was being done, it was possible to test different types of equipment in various combinations to determine which offered the best results, prior to sealing the opening permanently.

The tape recording transmitted herewith is no longer needed at Kansas City and may be disposed of by the Electronics Section when it has served its purpose.