

*The*

# **ADT TRANSMITTER**

vol. XX, no. 9 — OCTOBER — 1948



**300<sup>TH</sup> ANNIVERSARY VOLUNTEER FIREMEN**

**1648-1948**

(See Page 2)



## • LETTERS •

### Efficient Service

AMERICAN DISTRICT TELEGRAPH Co.:

I want to take this opportunity to express our appreciation for the prompt service you gave us in controlling the fire which occurred at our plant on May 17.

The ADT Aero Fire Alarm System operated as expected and signaled the fire department which dispatched its men and equipment posthaste.

The efficient operations of the fire department and ADT equipment held our fire loss to a minimum.

R. M. SMITH

Koppers Company, Inc.  
Westfield, New Jersey

### Completely Sold

AMERICAN DISTRICT TELEGRAPH Co.:

We are very much satisfied with your method of handling the alarm from our premises on July 24 and we feel that without your service the damage as a result of the fire would have been much greater.

The fire progressed with such great rapidity that the matter of minutes became an important factor. It is obvious that, from the timely alarm given by you to the Jersey City Fire Department, great loss was averted.

We have no hesitancy in stating that we are "completely sold" on your system.

SIDNEY H. KANTROWITZ  
Mechanics Finance Corporation  
Jersey City, N. J.

### Grain Elevator Saved

AMERICAN DISTRICT TELEGRAPH Co.:

One cannot overestimate the benefit we derived from your electric protection service on August 22.

Only the prompt action of your system and your men prevented our grain elevator from being a total loss.

We feel that we have gained many times what we shall expend in the lifetime of the service.

GEORGE KEITH

Dixie Elevator Company, Inc.  
Nashville, Tennessee

## A NATION-WIDE ORGANIZATION

The American District Telegraph Company (A.D.T.), founded in 1873, is the only nation-wide organization specializing exclusively in the manufacture, installation, maintenance and operation of electrical supervisory and alarm systems for protection against fire, burglary and intrusion, watchman supervision, etc.

A.D.T. Central Station Protection Services are available in more than 350 cities and towns in the United States. In this type of service the protection system in the subscriber's premises is connected to an outside A.D.T. Central Station which provides continuous electrical supervision, transmits alarms to the fire and police departments and investigates trouble and other emergency signals.

Outside of Central Station areas, A.D.T. installs protection equipment for owner operation, with visual or audible signals within the protected premises and, when desired, direct-wire connections to police or fire departments. In exceptionally large establishments, systems may be installed to operate through owner-operated proprietary central stations on the premises.

Whether the system operates through an A.D.T. Central Station or is of the local or proprietary type, A.D.T. provides periodic inspections, systematic tests and complete maintenance by an organization trained and experienced in this type of work. *Without this specialized attention there is little assurance that any protective signaling system will operate when an emergency arises.*

A.D.T. Protection Services include the following systems:

**SPRINKLER SUPERVISORY AND WATERFLOW ALARM:** Summons fire fighting forces when sprinkler operates. Maintains a continuous automatic check on shut-off valves and other points controlling water supply.

**AERO AUTOMATIC FIRE DETECTING AND ALARM SYSTEM:** Detects fire and summons fire department automatically.

**WATCHMAN SUPERVISORY AND MANUAL FIRE ALARM:** Investigates any failure to signal Central Station. Includes Manual Fire Alarm Boxes to summon the fire department quickly and accurately.

**BURGLAR ALARM:** Automatically detects unlawful entry or intrusion and initiates immediate investigation.

**HOLDUP ALARM:** Summons police in case of attack by bandits and in other emergencies.

Also: Automatic Fire Control for Air Duct Systems; Heating System and Industrial Process Supervision and other miscellaneous supervisory services.

## • EDITORIAL •

### Dust Explosions

The recent explosion and fire in a Chicago candy factory in which eleven persons lost their lives provides a tragic example of the fact that "Dust Can Be Deadly," as told so convincingly in Paul W. Kearney's article on page 7.

Dust explosions cause an appreciable percentage of the total fire losses and account for heavy loss of life. According to the National Fire Protection Association, 28,000 industrial plants in the United States are subject to the hazard. These plants normally employ about 1,325,000 persons and represent billions in values.

Codes, approved by the American Standards Association, for the prevention of dust explosions in various types of industries have been developed by the National Fire Protection Association. Copies may be obtained from N.F.P.A. headquarters, 60 Batterymarch Street, Boston 10, Mass.

### On the Cover

A special three-cent "Volunteer Firemen" stamp, bearing the likeness of Peter Stuyvesant, will be placed on sale on October 4.

Our cover illustration shows the last Dutch governor of New Netherlands ap-



Wide World

pointing four fire wardens to inspect wooden chimneys of the thatch-roofed wooden houses of that village. The proceeds of penalties for insufficiently swept chimneys were placed in a fund for the importation of leathern buckets and of hooks and ladders.

By this act Stuyvesant is said to have laid the foundations of the volunteer fire department of the City of New York and the first volunteer fire department in this country. Illustration from Schoenfeld Collection, Three Lions, N. Y.

**THE A. D. T. TRANSMITTER:** A monthly news-magazine of outstanding events and features concerning fire, burglary and holdup. Published monthly by the American District Telegraph Company, 155 Sixth Avenue, New York 13, N. Y.—R. K. HYDE, Editor . . . Edited and distributed for the information of employees, subscribers and other interested persons. All articles printed are the individual opinions of the authors. To insure delivery of your copy of THE A. D. T. TRANSMITTER each month, kindly notify the editor of any change in address

The A.D.T. Transmitter

# The ADT TRANSMITTER

VOL. XX

OCTOBER, 1948

No. 9

## ALARM FOILS 'FAGIN' GANG

*Three Youths Allegedly Directed by Middle-Aged Vagrant Trapped While Attempting to Ransack Doctor's Residence*

San Francisco police, investigating an ADT burglar alarm on the morning of August 11 from the residence of Dr. Frank Girard, seized three youths found on the premises, who it is believed were operating under the direction of an older man.

As the officers approached the house, they apprehended John F. Spence, age 53, who has a police record of six previous arrests for burglary. He said he was just taking a walk. Inside, on the third floor, was a Mexican youth who promptly named Spence as his accomplice and lookout. The youth had set aside numerous articles of apparel and jewelry to be picked up when he left the premises.

Included among the personal effects which he was about to remove from the residence were a sable coat and an expensive fur wrap.

Further investigation uncovered the presence of two more boys hiding under a bed in the third-floor servants' quarters. They readily admitted that they had intended to loot the residence, which was closed for the summer, but denied that they were implicated with Spence. One of the pair was a brother of the first youngster picked up, however, and police deduced that the four were working as a team.

The boys set off the Burglar Alarm at 9:51 a.m. when they forced a protected door leading to a reception room after entering the house through an unprotected window on the first floor.

A niece of the owner was summoned to make formal identification of the recovered articles as belonging to her aunt and uncle. The three youths were held for the Juvenile Court on burglary charges. Spence was booked on a technical charge of vagrancy.



*San Francisco Examiner*

**OFF TO BAD START** — Boy burglars, 13, 14 and 15 years old, taken into custody in San Francisco. Old-timer, John Spence, is shown in inset

## DOUBLE-HEADER

Manufacturers of the nationally known "Louisville Slugger" baseball bats, the Hillerich & Bradsby Company, Louisville, Ky., gave the fire department a chance to play a twin bill on the afternoon of August 19—all on one admission.

When a quantity of waste material in a second-floor cyclone duct ignited at 1:16 p.m. the fire department was immediately summoned through the operation of an ADT Manual Fire Alarm Box as well as by an automatic signal from the ADT-Supervised Sprinkler System.

Upon arrival, the firemen had no trouble in scoring a fast win, but as they were about to leave, a second fire broke out in another section of the building, where sparks from a rip saw had ignited some pyroxylin. The fire fighters hopped over to new positions and retired the trouble with a fast double play.

## MEN'S SUITS SAVED

Three burglars who almost succeeded in removing 100 men's suits from the Popular Style Shop in Chicago early on the morning of August 31 have been placed in an environment where black and white striped suits are the prevailing style.

When ADT guards responded to a burglar alarm at 12:17 a.m., the premises appeared undisturbed, but the owner was promptly summoned. Entering the store, the searchers heard footsteps on the second floor and called for additional assistance.

Police officers searched the building and came upon 25-year-old Lee Grant hiding behind a clothes rack on the second floor. The intruder promptly implicated two accomplices who allegedly were with him when he entered the shop through a protected door leading to the roof.

In addition to the suits, which were found bundled up and ready to be taken out, police found a crowbar which had been used to force the door to the premises.

## 'EYE' SEES SMOKE

When police and ADT Guard Robert M. Lay arrived at the Peaslee-Gaultbert Corporation in Oklahoma City to investigate a burglar alarm received at 6:57 a.m. on September 6, they discovered that the alarm had been caused when smoke from a trash fire in the rear of the warehouse section passed through the beam of an Invisible Ray Device.

As considerable combustible material was stored near by, the guard summoned the fire department and used a hand extinguisher on the blaze until the firemen arrived. The outbreak was extinguished before there was sufficient heat to cause operation of the automatic sprinkler system.



## BURGLARY

### BACK TO THE 'BIG HOUSE'

#### *Paroled Convict Trapped After Eluding Initial Police Search*

A paroled convict who had managed to keep clear of the police for more than a year is scheduled to return to his former "residence" as the result of an unsuccessful attempt on the night of August 16 to defeat the combination of an ADT Burglar Alarm and the Chicago police.

When police officers and Guard Plummer responded to a burglar alarm from the premises of N. Turek & Sons Hardware Company at 11:21 p.m., they observed a figure moving about inside the store. A thorough search of the premises failed to uncover the intruder, although bloodstains were found on the roof and a moneybag on the balcony had been rifled.

At 3:32 a.m. another burglar alarm signal was received at the Central Station and Guard Carrell was dispatched to notify police officers and the owner, who had stationed themselves outside the store. They promptly trained a spotlight on the roof where they saw the culprit attempting to flee. A few warning shots from a police revolver brought about a hasty surrender.

The prisoner revealed that he had been hiding in a small cabinet during the search which followed the first alarm. Cash amounting to \$68.33, and three knives, each valued at \$10, were taken from the man who was identified as William Harrison, released in 1947 on a five-year parole from an Eastern prison.

### PUT HALT TO HAUL

The ingenuity of three Boston teenagers was not enough to elude capture by police on July 10 after they had actuated the ADT Burglar Alarm System protecting the plant of the Hermal Shoe Company.

Guard W. F. Outerbridge sped to the premises after an alarm had been received at 10:14 p.m. Police arrived at the plant at 10:16 and, entering the building through an open front door,

apprehended two youngsters inside and another on the roof.

That the boys were in the midst of a large-scale burglary when surprised by police was evident by the number of fixtures already removed from the premises. A one-half horsepower motor had been hoisted to the roof and then lowered to the ground, a portable electric furnace had been placed on the roof, two file drawers had been ransacked and a pair of scales was found in the yard. The alarm was received when the youths opened the front door from the inside to carry the scales into the yard.

When questioned by police, the boys related how they had climbed a fence to the roof, removed an unprotected ventilator and descended into the plant.

### LOST WEEK END

A young married couple of Columbus, Ohio, really made a night of it on Saturday, August 14. They had consumed more than a few drinks, and several hours in the doing. As a matter of fact it was 5:11 a.m. Sunday, as they ambled dazedly down the street with no place left to go but home.

Suddenly something attracted the attention of the husband. 'Twas not the first glimmer of the dawn's early light, but the bright gleam of the contents of a jewelry store show window.

Displaying the keen logic and ability for swift and bold action which so many inebriates believe they possess (at the moment), he smashed the show window. Unsteadily, but selectively, he removed a diamond ring and three watches which he generously presented to his ever-loving spouse.

This tender scene was abruptly interrupted by the sudden arrival of police and ADT guards who whisked the whiskyfied couple off to headquarters.

The man, who had no previous record, was unable to account for his actions, but he was heard to mutter the eternal motto of the morrow, "never again, no, never again!"

### TRAP TENACIOUS THIEVES

#### *Chicago Trio Captured on Second Attempt to Invade Radio Factory*

An audacious trio of Chicago criminals who on August 1 pitted their patience and persistence against the dependability of an ADT Burglar Alarm System and an alert police force carved a neat little niche for themselves—in the city jail.

At 1:11 o'clock on Sunday morning, the men broke through an ADT-protected door of the Sonora Radio & Television Corporation in Chicago. A few minutes later, responding police and ADT guards caught a glimpse of three men dashing out of the building. They were quickly lost from sight, however, and seemed to have miraculously vanished. Six radios had been removed from the building, but were abandoned by the fugitives.

The premises were locked up, the Burglar Alarm was reset, and the guards returned to the ADT Central Station. However, a few minutes later the intrepid thieves had the effrontery to try it again! This time they tried a slightly different approach, crawling through a long chute which led from the loading platform up to a second-floor stockroom. At the end of the passage they found a screen barring their entrance—an ADT Burglar Alarm Screen—but they pushed it out of their way.

Chicago police were very happy to make a return trip, and even cut down their previous running time by one minute. They captured the brazen trio on the spot. But one of the burglars made a desperate break for freedom by sliding down the chute. Two bullets from a police officer's pistol, however, persuaded him to stop.

### SPEED RECORD BROKEN

One of the quickest arrests on record occurred on July 31 in Toledo where police apprehended a burglar only a few seconds after he had smashed a show window of the Kay Jewelry Company.

The alarm, received at the Central Station at 11:55 p.m., was instantly broadcast by the police radio. A patrol car passing the building at the time picked up the call and the officers had their man before the attacker could make his getaway.



## PENTHOUSE TO PEN

Two young Mexicans wanted by the police were taken into custody in San Antonio on July 30 after they had actuated an ADT Burglar Alarm while attempting to burglarize the Wolff & Marx Department Store.

Guards T. M. Daniels and R. R. Bell, Jr., reached the store at 7:17 p.m. and observed the pair trying to gain entrance through a seventh-floor fire escape window. The youths realized that they had been detected and fled up a fire escape to the roof of the building where they were apprehended by the police who found them hiding on rafters in a penthouse.

## FIRE

### ARSON PLOT THWARTED

#### *Investigation of Burglar Alarm Reveals Fires in Grain Elevator*

What appeared to be an attempt by arsonists to destroy a Nashville grain elevator was thwarted on August 22 when the heat of the flames caused operation of the ADT Burglar Alarm System.

ADT Guard R. G. Siebert and police rushed to the premises of the Dixie Elevator Company and discovered blazes in two separate locations. They quickly notified the fire department.

Responding firemen used one hose line to extinguish both outbreaks after twelve sprinkler heads had fused to hold the flames in check. Damage to a shuck bin and grain stores was placed between \$1000 and \$2000.

Investigation revealed that an unknown person or persons had thrown blazing oil-soaked rags through open windows, starting what might have been a serious fire had it not been for the timely discovery.

### BASEBOARD BLAZE

Fire originating in an electrical outlet in a baseboard on the seventh floor of a building at 415 Fifth Avenue, New York, resulted in a loss of \$1,000 on August 14.

The blaze extended from the wall to a desk and fused one sprinkler head. An

ADT waterflow alarm at 9:25 a.m. summoned the fire department and fire patrol. The fire fighters put a speedy end to all danger by fire and took proper salvage measures.

### QUICK AS A FLASH!

An injudicious porter at the Mechanics Finance Corporation in Jersey City, who was resourceful but obviously uninformed on safety measures, caused a terrific explosion on July 24, in which he was seriously injured.

The man had been working tediously all Saturday morning rubbing varnish from desk tops with the aid of paint remover. Shortly after 2:00 p.m. the thought struck him that he could do a faster job with a blowtorch. Without a thought for the heavy concentration of explosive fumes from the paint remover, he lighted the torch.

Immediately, there was a rocking explosion which blew out the windows, tore the plaster from walls and ceiling and hurled the imprudent workman to the floor.

The blast was, of course, followed by fire, but fortunately the building was equipped with an ADT Aero Automatic Fire Alarm System which operated instantly and enabled firemen to arrive in time to prevent the flames from spreading to other parts of the building.

The loss amounted to \$15,000.

### MATCHES MAKE TROUBLE

A large carton of paper matches stored in a Dallas warehouse suddenly burst into flame on the afternoon of July 30, threatening to cause severe damage if the fire was permitted to spread.

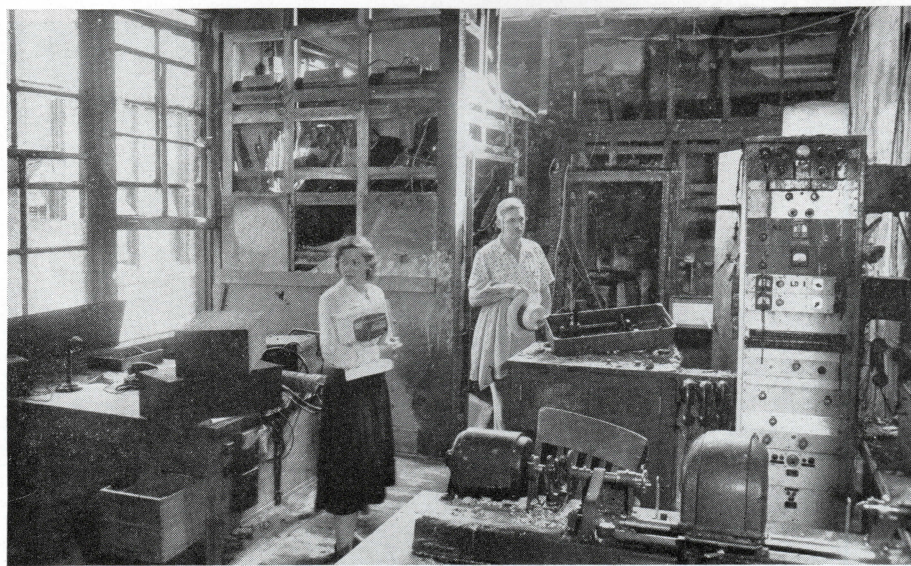
Fortunately, the building was protected by an automatic sprinkler system which operated to extinguish the blaze through the action of a single sprinkler head. Firemen summoned by an ADT waterflow alarm assisted in preventing water damage.

The cause of the outbreak is unknown.

### CONVEYOR FIRE CONTROLLED

Delay in discovery of a fire in the conveyor system at the plant of the Alamo Cotton Oil Company, San Antonio, Texas, on August 24, nearly caused a serious disaster which was averted only by the splendid performance of members of the fire department who fought with exceptional skill to get the flames under control.

The plant was in operation at 4:00 a.m. when Assistant Superintendent H. C. McDaniel observed the fire and operated an ADT Manual Fire Alarm Box. The blaze was at the top of the conveyor and considerable damage was done to the machinery and to some of the cottonseed meal stored in the building. There was no automatic protection.



*Atlanta Journal*

**WIREFOTO PLANT DAMAGED**—An overworked cooling system started a fire on July 23 which was confined to the Wirephoto Section of the Associated Press Bureau on the fifth floor of the Atlanta (Ga.) Journal Building. Prompt operation of an ADT Manual Fire Alarm Box by an office boy who discovered the blaze at 5:14 a.m. summoned firemen who extinguished the flames. The loss was \$50,000



## SMOKERS WARNED

Violation of the "No Smoking" rule was thought to be the cause of a blaze which recently swept the crating room of the John Widdicomb Furniture Company, Grand Rapids, Mich.

The blaze broke out at 12:58 p.m. on August 12. Twelve sprinkler heads immediately operated, causing an ADT waterflow alarm which notified the fire department. The fire fighters quickly extinguished the flames.

As a result of the fire, Widdicomb Company officials gave notice to all employees that anyone found smoking in prohibited areas will be subject to immediate discharge. As an additional warning, 100 large "No Smoking" posters have been placed in appropriate sections throughout the plant.

## WATCHMEN

### BEGINNER'S LUCK

The trials and tribulations of an amateur watchman in a Denver store recently caused him headaches aplenty. The inexperienced man pitched in as a relief watchman without having received complete instructions. Fortunately, however, his difficulties had no serious results and one of them actually

helped to pull him out of another.

His first mistake occurred at 11:27 a.m. when he inadvertently operated an Emergency Police Call Device. Unaware that police were on the way, he dutifully entered an elevator to patrol another floor. Almost immediately he found himself helplessly stalled between levels.

The anxious watchman was trying desperately to start the elevator when police officers and ADT guards arrived. They released the imprisoned man, who after explaining the happenstance, expressed great admiration for the super-efficiency of ADT Service.

### DISTRESS CALL

Just nine minutes before the watchman at the Hygrade Food Products Corporation in Hoboken, N. J., was due to send his next signal to the ADT Central Station, he felt that he no longer could continue his rounds.

At 1:21 a.m. he telephoned the ADT Central Station, saying he was ill and could hardly breathe. An ADT guard and a police officer sped to the plant where they found Watchman Herman suffering from an attack of asthma.

The officers promptly summoned an ambulance, and after the watchman's condition had been diagnosed and treated by the responding physician, he was taken home.

## ORGANIZATION

### ROBERT E. MAGINNIS

Robert E. Maginnis, assistant secretary of the American District Telegraph Company, died of a heart attack on Sep-



R. E. Maginnis

tember 9 while attending the fifteenth annual short course for volunteer firemen at the University of Maryland where he was a visiting instructor.

Born in Chicago in 1891, Mr. Maginnis joined the ADT Organization in that city in 1930. In December 1936, he was made assistant operating superintendent at Chicago and a year and a half later was transferred to New York as assistant to Vice President J. L. Husman. He was made assistant secretary in 1942.

Mr. Maginnis is mourned not only by his associates in ADT but also by a host of friends throughout the country with whom he was associated in his work with insurance and fire protection organizations. He is survived by his wife, Helen, a daughter, Mrs. Walter Hobert, Jr., of Glendale, Calif., and two grandchildren.

### CHARLES BROWNELL RETIRES

Charles Brownell, repairman at New Haven, Conn., has been retired on pension as of September 7, 1948, according to an announcement by the Benefit Fund Committee.

Mr. Brownell had been a member of the ADT organization since 1905.



Wide World

*BRIDGES BURN*—above Milwaukee's Menomonee River after freight train fire had spread to oil slick on water. Three bridges were involved and three alarms were registered before the unusual blaze was finally brought under complete control



## THE ROSTRUM

Devoted to Open Discussion of Protection Problems

### DUST CAN BE DEADLY!

#### *The Chief Effectively Proves It With an On-the-Spot Demonstration Which Literally 'Brings Down the House'*

By PAUL W. KEARNEY

"Fellows," said the Chief to the assembled Rotarians at their regular luncheon meeting, "I want to start off this talk with a little demonstration to show you how dangerous a simple thing like dust can be under the proper conditions.

"I have here an ordinary box of flour. First, I'm going to put some in this cloth and just sift it into the flames of this candle: I want you to notice how violently it flashes as it ignites."

Each time the Chief shook the cloth over the candle an angry burst of flame would leap upward for some two feet.

"Now," he resumed, "that dust is not confined and there isn't much of it, but you see how it acts when it meets open flame while suspended in air. Now I'm going to put the candle inside this model house and I'm going to blow some flour in there with this bellows can. It won't be much—maybe a tablespoonful—but you'll get the idea."

Setting up his props, the Chief filled the can with flour and inserted the nozzle in an opening in the side wall of the toy house. One squeeze of the bellows blew a white cloud across the candle flame. There was a startling report—the model house skyrocketed off the speakers' table straight up, crashing against the ceiling and showering the surprised group with broken parts of the toy house.

"That," said the Chief, combing bits of debris out of his hair with his fingers until the gale of laughter subsided, "was just a *little* more graphic than I intended. But I think it will convince you that ordinary dust can really be a high explosive. Some expert has estimated that one cubic foot of grain dust, properly mixed with air, has the explosive power of eighty-six pounds of dynamite.

"I know of two engineers who can vouch for that: they tried running an

automobile engine in the laboratory with grain dust instead of gasoline. It worked swell until they did what I did just then—they got too heavy a charge and blew a cylinder head right through the roof of the building!"

The Chief paused to let that sink in, then resumed. "Now this flour looks harmless, but you saw it work on a small scale. We saw it work on a larger scale a few years ago when a young girl came home from high school one day and decided to bake a cake. She dumped some flour out of a box into a bowl but discovered that it was full of weevils.

"So she took the bowl over to the incinerator, opened the door and dumped the flour down the flue. The resulting explosion wrecked three apartments in the house, knocked eight people unconscious and put three in the hospital. The girl herself spent eight weeks there!"

A murmur of surprise went through the audience. "However, this is still small-scale stuff, as many people who live near grain elevators can testify. In 463 grain dust explosions of recent years the total losses were \$47,000,000

plus 440 deaths. I happened to be in South Chicago when a big elevator there went off. The blast broke windows five miles away and was clearly felt in Benton Harbor, Mich., some fifty miles away.

"Now the point to bear in mind is that this hazard isn't confined to grain dust by any means—any dust that burns will explode if it comes in contact with flame while suspended in air. Woodworking plants, textile mills, paper mills, phonograph record factories, malt houses, plants handling cork—any very dusty occupancy is susceptible.

"How do these explosions occur? Well, a lightning bolt caused one bad one; another one which killed forty-two men was caused by a hot bearing in a machine. Still another was caused by a man sweeping a very dusty floor near a blowtorch. And in a woodworking plant a watchman noticed that a pile of sawdust near an overheated machine was smoldering, so he grabbed a pail of water and threw it on the sawdust. The impact scattered the dust which ignited and caused a blast that wrecked the shop.

"That, incidentally, is something we firemen are always afraid of in a very dusty occupancy: a hose stream can knock dust into a going blaze and bring the place down around your ears. That's why fog and 'wet water' seem so promising for such risks.

"Well, that's about all I have time to tell you about dust—just beware of it because it is far more deadly than most people realize."



*Wide World*  
**FIFTEEN PERSONS DIED** on September 7 following an explosion of cornstarch used in candy making at the huge Brach Candy Company's plant on Chicago's West Side



# SOLVES THE PROBLEM OF FIRE SAFETY IN FUR STORAGE VAULTS...

**ADT** *Automatic Smoke Detection  
and Alarm Service*

No longer need there be danger of heavy damage from smoke or fire in fur storage vaults and similar high value enclosures.

ADT Automatic Smoke Detection and Alarm Service now provides a high degree of fire safety for such establishments by means of devices which detect the presence of smoke, automatically give an alarm and automatically close dampers and shut down fans.

Especially engineered and designed for protective purposes, these devices operate instantly whenever smoke intercepts a beam of light. Incipient fires are thus detected and reported, *often before there is any sign of heat or fire.*

Air ducts of air conditioning or other air circulating systems may be similarly protected through application of the same type of devices to provide ADT Automatic Fire and Smoke Control Service.

Continually dependable operation is assured by constant supervision, regular inspections and complete maintenance, provided through ADT Central Stations in principal cities of the United States.

Write for further information on this and other ADT Protection Services.

**ADT**

*Controlled Companies of*

**AMERICAN DISTRICT TELEGRAPH CO.**

155 SIXTH AVENUE

NEW YORK 13, N. Y.

Central Station Offices in all Principal Cities of the United States

