DANGER FOUND IN GASES AND DUST OF AUTOS.

cal recording.

these products are carbonyls of the

EXHAUST GASES CARRY POISONS.

The direct killing by automobile, carrier is responsible for much injury extraordinarily prevalent as it is, rep- to the public health, but the increased resents only a small part of the dam- city dust caused to automobile traffic age done by motor cars. The statistics is promoting new health dangers record only those deaths directly due worthy of serious study and statistito automobile accidents.

There are many other deaths caused The dust formed by automobiles difin an indirect manner. Two problems fers from other dust because of the of public health caused by the increas- large number of metallic particles it ing use of automobiles are beginning contains and the oil and other waste to attract attention among public products it carries. The automobile health associations. One relates to the wheels grind up iron and brass bolts damage caused to public health, par- and other metallic articles into fine theularly that of women and children, powder which mixes with the street by the city dust; and the other to the dust. These metals and the oil carry destructiveness of the exhaust gases many by-products of the exhaust emitted from automobile cylinders. gases from the cylinders. Included in

AUTOS INCREASE DUST.

Increased automobile traffic means hydro-carbon poisons. These, besides metals, sulphides, sulphates and many increased dust, and this in turn re- irritating the mucous membranes, apsults in much injury to public health. pear directly to poison the human sys-Dust is a germ carrier. Look in the tem and bring on many psychic sunlight at the light, dancing particles trauma or strains. of fine dust which are called "sunbeam It has been demonstrated that fa- lies hidden in you? Why does your

particles of air-borne dust. But there charged by them into the streets may for him. are heavier and more destructive carry some or all of these fatigueforms of dust carried in the air and causing substances and many others. foreigners who have lived in Russia by the wind along the city's streets. These constitute a new danger to city rope, twine, hair, lime, plaster, ashes, stone, micro-organisms and germs.

MENACE FROM DISEASE.

mon causes of death. Many people hydrocarbon acids and salts carried but beauty is not absent, though it is suffer from it. They expectorate free out by them which have not been often obscure, and for that reason it ly and the germs of the disease settle studied. These poisonous gases do not is the more striking. The realization on dust and are carried about in the often get into the system in sufficient came home to me strongly in the sumair by the wind. Living, virulent quantities to cause death or direct mer of 1913. I was staying in a small tubercle bacilli have been time and sickness, but the cumulative effects of wooden house in central Russia not again found in the dust lodged high inhaling even minute quantities result far from a railway, but isolated from again the phrase began, and the chorup in the rooms of hotels, restaurants, in a serious undermining of the public other houses and a fair distance from hospital wards, in street cars, rail- health. Many of the headaches and any village. The harvest was nearly

Here is a new problem for health mobile exhaust gases. uthorities to study: "What percent- The effects of exhaust gases inhaled Just at the cool of the evening there denly and age of modern cases of tuberculosis is in buildings such as garages may be traceable directly and indirectly to the serious. The oxygen of the air is abdust caused in city streets by increas- sorbed and carbon monoxide takes its ed automobile traffic?" It is known place. This may cause instant docth

THE CAT CAME BACK-AND GOT THE COLD SHOULDER The return of the "Clown Prince" to Germany has failed to make any one of them to lead an honest life! impression on the political life of Germany.

The Fascination of Russia.

motes," and notice that every particle tigue may be caused by substances aching, melancholy song echo forever is heavily discharged with a multitude carrying hydrogen ions such as carbon in my ears? Russia, what do you want a soloist chanting a phrase and then a short period of training, become a soloist chanting a phrase and then a short period of training, become Blind and don't froze solid! a host, and an idea may be formed of phates, by phenol and similar chemi- and me?" The passage is from one of another menace caused by the auto- cals, carbonic and sulphuric acids and Gogol's books, written while he was salts. Automobile exhausts, and the in exile, pondering the secret of the and stronger and more long beaten by turns until it is able to lie A Colony of Counterfelters.

The coarser dust consists of particles life and are a prolific source of sick-Puppet Show of Memory, found myself asking that question.

The exhaust gases from automobiles The country has little obvious glamcarry many poisons. Carbon monoxide or and attraction, and the picturesqueand carbon dioxide are the commonest, ness peculiar to countries rich in his-Consumption is one of the most com- There are, however, many poisonous torical traditions is absent in Russia; road cars, automobiles and similar neuralgic pains people who use the done. The heat was sweltering; the long-drawn-out note that seemed places. Drying dose not kill their city streets much suffer from are some country was parched and dry; and the of the effects of the inhaling of auto- walls and ceilings were black with

chorus taking it up. Finally solo and their intention is to make the child ter a short period of training, become Blind and dazed, the unfortunate air The dust motes represent the finest oils, greases and other matter disparticles of air borne dust But there oils, greases and other matter disfor him.

Salts. Automobile exhausts, and the in exhe, pondering the secret of the drawn out without any seeming effort to that lesson has been mastered the colory my attention was attracted.

While visiting the counterfeiters as he drifted into uncolory my attention was attracted.

Down and down place in the colory my attention was attracted. until it died away. The tone of the ter that lesson has been mastered, the colory my attention was attracted flown plunged to Not only Russians in exile but also voices was so high, so pure and at the child is taken to villages and made to a little booth containing an image claus machine. One petrol tank slopes rare that at first it was hard to tell still later is taught the rudiments of roses, jasmine, and marigolds. The of- the pressure of the air range and in quality they were unlike Girls are trained to act as guides feiters, and they always worshipped

usually hear in Russian villages. the air with majestic calm. Presently ing vegetables, fruit, and gewgaws, the instinct to worship it, but in the distance beyond a dip between they manage to secure access to pensity to commit crime the trees and in the middle of the na- houses. So retentive does their mem- cated out of the people. tural stage that the garden made I saw against the sky figures of women walk- thought and to call up pictures of ing slowly in the sunset, carrying rites, ritual and custom, of rustic wortheir scythes and their wooden rakes ship and rural festival, of pagan cereand singing as they walked. Once monies older then the gods. us repeated it; and once again chorus and solo melted together in a high and

WHERE HONESTY IS A CRIME

The World's Most Remarkable Rogues—By St. Nihal Singh United States air service belongs to

held by a British official, Mr. H. W. house, showing how best to secure the run at high altitudes, and with an elec-Starte, who has been appointed the of- valuables and get away. ficial father-confessor to a number of On being asked to take on the job oxygen for himself, he started out one

Children as Scouts.

-From the News of the World. The training of children of the of them all. criminal tribes begins almost as soon On visiting the settlement at Bija- horror found that he could not, came out of the distance a rhythmical as they start to take note of their sur- pur I found that each principal tribe What had happened was this; the song that ended on a note that seemed roundings; I was told by a high police lived by itself. Thieves, robbers, burgto last forever; it was piercingly clear officer who had been intimately asand clean. The music came a little sociated with these tribes that the had each their own little colony. They as Schroeder lifted his goggles his nearer, and you could distinguish first parents show a coin, secrete it, and quickly learn to be skilled workers, eyes, suddenly coming into contact chorus became one and reached a say it has no knowledge of the where- good blacksmiths, carpenters, masons man could no longer control the plane. same time so peculiar, strong and act as a scout for older criminals, and in gaudy clothes and garlanded with lapsed, owing to the sudd

the voices of the woman whom you and helpers only, the actual commis- and promised it a share of the sion of crime being left to the men, ceeds of their crime before act The music drew nearer and filled aided by boys. On the pretext of sell- committing it. The god remain

The oddest job, possibly, assigned to ory become that they are able to go fell six miles." Equipped with a superany official in India or elsewhere is back and give an exact plan of the charger for his engine, so that it would

tribes which take to crime as a duck- of looking after these criminal tribes, day from McCook Field, Ohio, to climb which wander from place to place, to a height of forty thousand feet, or Among these "criminal" tribes in In- making it difficult for the police to almost eight miles. His plane, says dia, crime descends from father to track them and bring home to them Mr. David Masters in the Wide World son and is literally a hereditary pro- the crimes they had committed, Mr. Magazine, climbed beautifully, but fession. Crime among them is regu- Starte spent some time in studying when he reached thirty-five thousand lated according to caste. One group their language, ways, and psychology. feet he began to feel queer; the oxyspecializes in cattlelifting, another in With great difficulty he succeeded in gen had ceased to flow,

cline to engage in it would be regarded To time these tribes and to teach ing, he lifted his goggles to see what as an act of backsliding on his part for them civilized habits and trades a was wrong with the tank. Instantly a which he would be outcast. In short, number of settlements have been es- most appalling explosion seemed to it would constitute a social crime for tablished in various towns of the Bom- take place inside his head, and every-

was the particular god of the counter-18

gaining the confidence of some of He fumbled for the stopcock to That sort of thing has happened for them, and by degrees showed them make sure that it was wide open; he so many centuries that the moral in how much happier they would be if could not see well because there was a stinct has been practically killed in they would settle down and pursue an sheet of ice over his goggles both inthese people. For a member of a caste honest calling instead of living in fear side and out. Then he began to strug-

bay Presidency. Mr. Starte, who thing went black. For the life of him initiated the experiment, is in charge he could not think what had happened

The Man Who Feb. Miles.

Probably the most astourding ex-

perience in the whole history of the

that dust as an irritant and as a germ as statistics show. Aitchener's Romance.

cary to speak of Lord the house of

ONTARIO ARCHIVES TORONTO