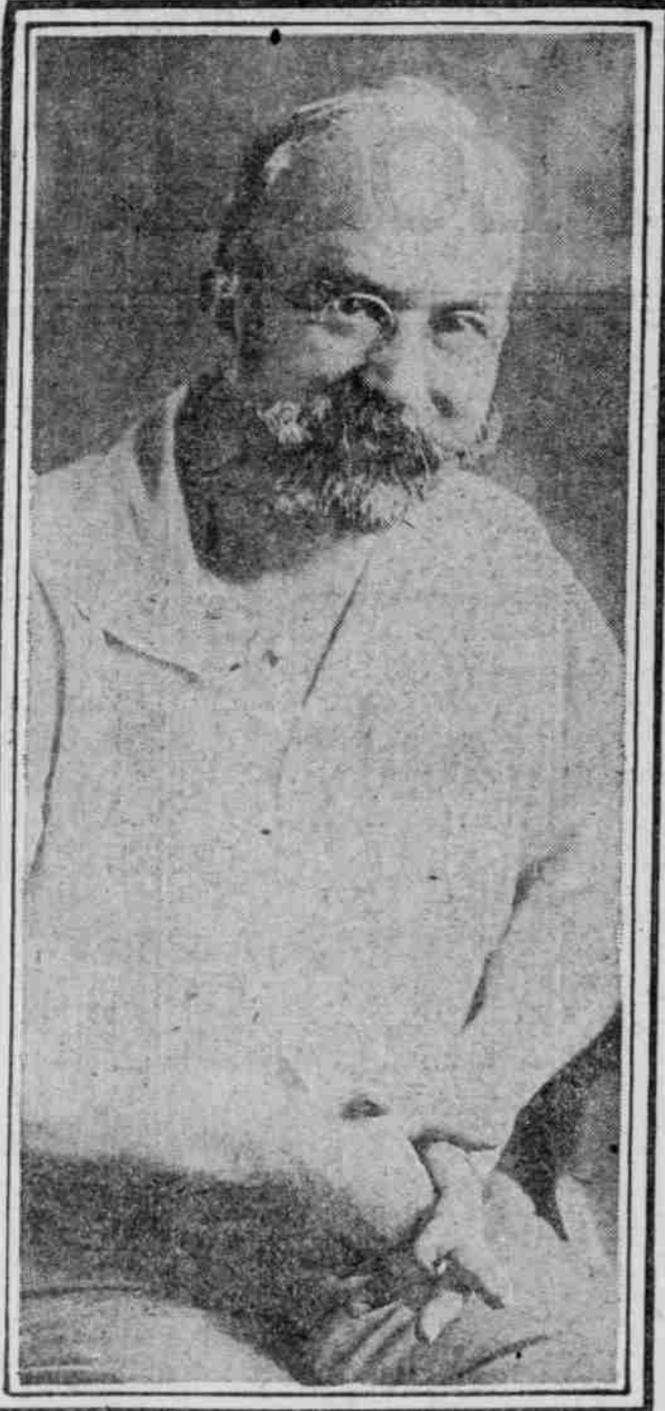
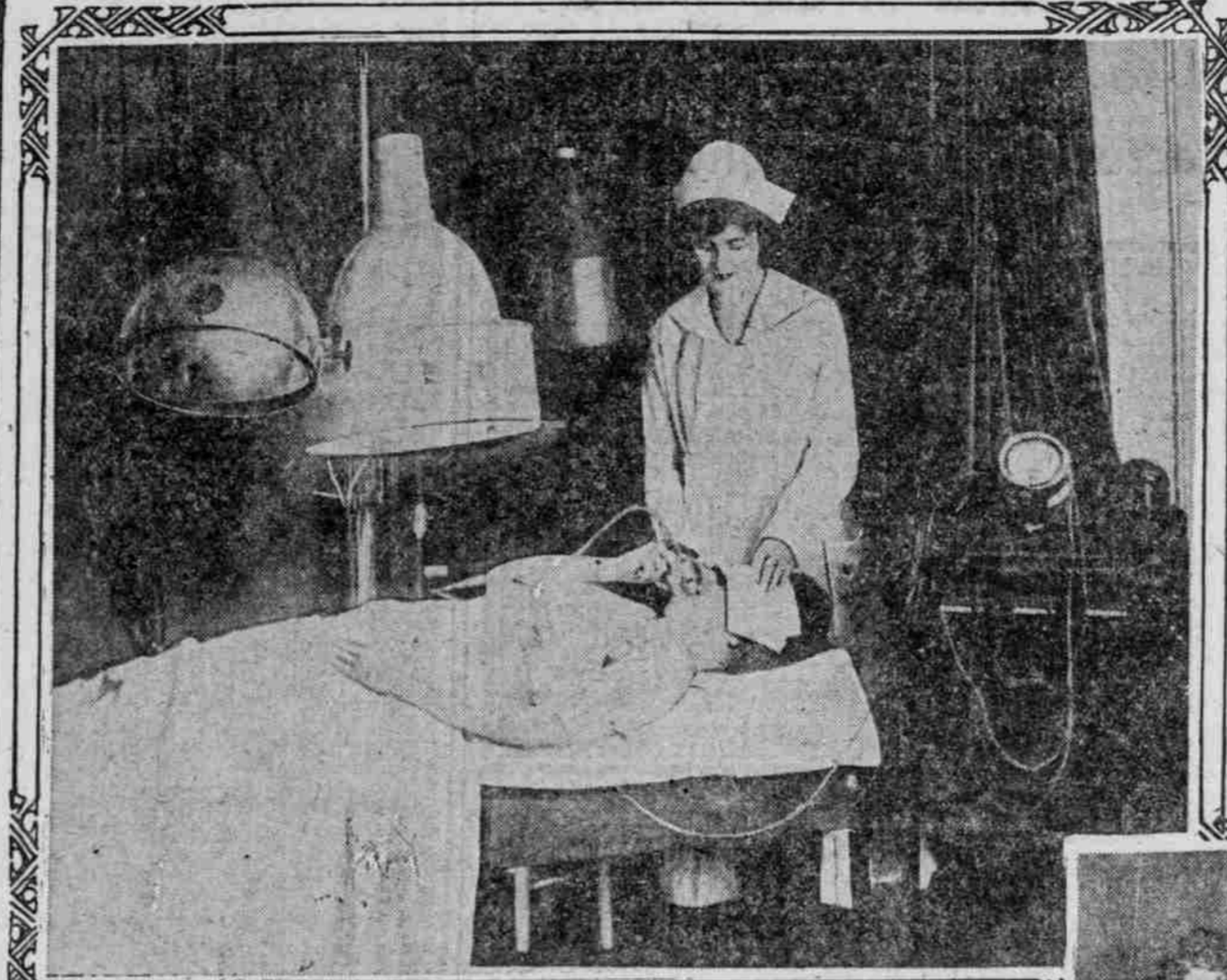


Spitting Rainbow Colors to Cure Disease

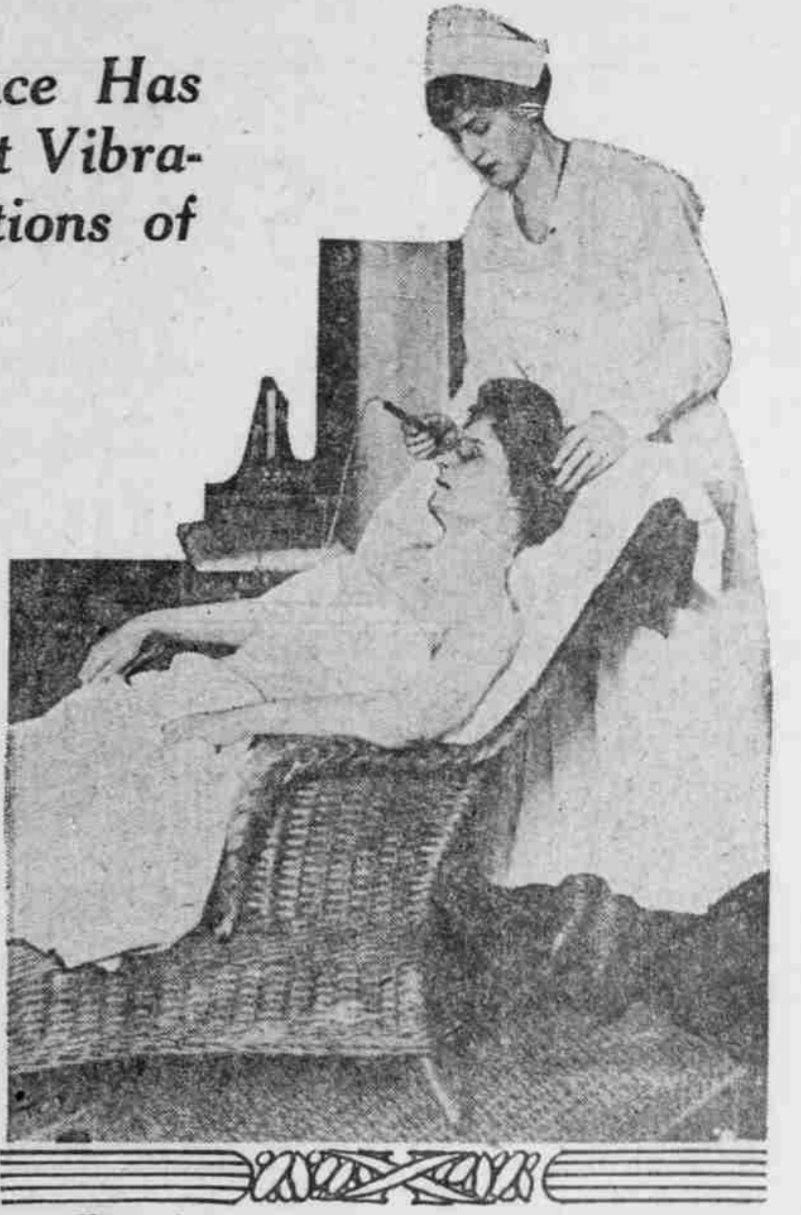


Dr. George Starr White, whose discoveries with vari-colored lights have revealed a new cure for tuberculosis.

Very Curious Experiments by Which Science Has Proved That Our Ailments Are Nothing But Vibrations After All and That Corresponding Vibrations of Light Will Overcome Them



"Boiling out" a tuberculosis patient under a sunlight condenser.



Giving a patient a color "bath" by the application of electro-magnetic waves.

BY JOSEPH H. APPELGATE.

IT MAY be somewhat of a shock to most of us to learn that the aches and pains, the maladies and even the most contagious diseases we are apt to encounter from time to time are nothing more than mere vibrations. Medical scientists, following a line of investigation based on that very theory, have discovered that by "matching" the vibrations of any certain disease with a corresponding vibration of light a cure may be effected.

Curing disease by the application of the vibrations of light may sound incredible. So did Marconi's first statement that he could send a wireless message by means of oscillating the ether waves, not to speak of Edison's announcement of the talking machine and even Sir Isaac Newton's expounding of the laws of gravitation. Yet that is just what science now claims it is doing as the result of years of experimental study by the famous California medical scientist, Dr. George Starr White. As a result of this research work he is now curing chronic diseases that might have resulted fatally to the patient by what seems to be the simplest method yet devised to conquer destructive germ life.

How Diagnosis is Made.

Sunlight, as scientists point out, is simply a form of vibration. Energy is vibration. These two well-known facts have been employed in a new bio-dynamo-chromatic system to destroy disease germs after Dr. White proved to his own satisfaction that disease is nothing more than vibration also. He combats the vibration of disease with the vibration of light and the effect produced is that which occurs when two waves on a lake of equal dimensions, traveling toward each other, meet. The waves are dissipated and calm comes.

But how, the incredulous will ask, can colored lights destroy disease? The answer is simple, just as simple as the method itself. No disease germ can live in a sunbeam. Any medical man or scientist will agree to that. It was Dr. White who set about to discover if the germs killed by sunlight died because of the combination of the colors in the ray or some particular color. Of course, one must be reminded at this point that the rays of the sun are composed of every color. The spectroscopic shows that Dr. White experimented for years and found that certain germs were killed by certain colors. In other words, that the rate of vibration which we humans call "color," for the difference between red and green is nothing more than the differentiation in the vibration, has different effects on different microscopic organisms. The germs of tuberculosis are quickly destroyed by red light. Orange light just as quickly kills cancer germs.

But, if the newly discovered system could not cure a single ill; if it were as impotent as some unbelievers would make it appear; if it were as useless and as transient as a thing could be; if, in short, it were a plain humbug, it has given to the medical world, according to Dr. Orin William Joslin, the greatest aid that has been discovered since anaesthesia—what Dr. Joslin terms a "100 per cent diagnosis" machine. There is no ill of mankind of toxic nature that cannot be discovered by the new method of diagnosis, Dr. Joslin says. In a test Dr. White proved that a person inoculated with tubercula responded to the T. B. colored slide in the machine 20 minutes after the injection of the germs.

Because it is so simple the method by which disease is traced by the colored slide machine seems supernatural. The patient is faced east or west and is connected by means of a steel contact with a grounded electric wire. Facing east or west the patient is transverse to the magnetic meridian. Then, tapping his rigid left

fingers with his right forefinger, over which a thimble is tightly fitted, the diagnostician, beginning at a point opposite the lowest part of the abdomen, sounds on the "air column" until a dull and flat noise is heard. This varies, but generally is six inches or so above the point opposite the starting place.

The patient is then faced toward the magnetic meridian, north or south, and the same air column percussion repeated. If there is the slightest trace of toxemia in the system of the patient the dull spot will not drop. If the person is free of the germs of the disease being sought the location of the dull sound will fall below. The various diseases are tested while the patient, in a soundless and lightless room, has directed on him or her the colored light which has been discovered to be the means of destroying the germ of the disease suspected or searched for.

After the patient's trouble has been discovered the treatment is begun by "boiling" under a 10,000-candle-power electric light and "bathing" for a half-hour a day in the particular color incidentally came across Dr. Joslin. Her mother had died of consumption and the daughter contracted tuberculosis while attending her mother. The pictures show her remarkable physical beauty. Today she is stronger and healthier than she ever was.

Discussing the treatment, Dr. Jos-

lin, at his New York laboratory, had this to say:

"The hardest thing about benefiting the human race by a great discovery is convincing those benefited that such is the fact. Every inventor and discoverer and thinker from the dawn of civilization has suffered from this. We have been years trying to convince the world at large of the wonderful system Dr. White perfected. It is only recently that peoples are beginning to wake up to the fact that a great forward step in medical science has been made.

"The most startling thing about the new system is its simplicity. But all great discoveries and inventions have been simple. The greatest victory, perhaps won for the human race is the 100 per cent diagnosis of toxemias rendered possible by it. Lack of a system properly to diagnose disease has been the cause of the death of untold millions who otherwise might have lived to old age. This machine with the colored slides does its work unerringly, because, after all, it is doing nothing but indicating the laws of physics which are immutable.

"Light is a combination of various degrees of vibrations. We call these vibrations colors. The only difference between red and blue is the varying vibration with which the rays strike the eye. With diseases it is the same thing. They only differ in vibration. Health and energy are vibration. So is disease. When we play upon a person ill with a disease the colored light which has the same vibration as the disease the result is the extinction of the germ just as surely and as simply as a sun ray dries up and destroys any disease germs it reaches.

"Each color slide used has been tested out on thousands of clinical



Dr. Orin William Joslin, who, it is claimed, has succeeded in curing cancer and other ailments with the vibrations emanating from artificial light rays.

cases the diagnoses of which were known. We have developed 200 color combinations. In other words, we can exactly match the number of vibrations of disease with the vibration of the lights.

"The spectroscopic shows us that



Diagnosing a case while the patient is electrically grounded.

the light of the sun consists of seven, distinct colors, ranging from red to violet. The sun contains all the elements of life. With the sun life is possible; without it every living creature would die. In health our bodies are able to absorb light

china we use. Tuberculosis sufferers lack red, cancer victims, orange; malaria persons, blue and green, and so on. It is a system that eventually, Dr. White and I feel, will be recognized as the means of diagnosis for all diseases of toxic nature and the cure of such."

"The perfection of the system claimed by Dr. White was attained through observation of pigeons. Newton discovered gravitation through watching an apple fall. Most great discoveries have been similarly made. It is said that Marconi got his wireless idea from watching the ripples of water spread away from the spot in a pond into which he had cast a stone.

"In making careful observations of birds," said Dr. Joslin, "it was noticed that occasionally there would be a pigeon that could not find her way home. Careful analysis was made of the bird and in each case it was found that the bird was diseased, usually with avian tuberculosis. Then this principle was applied to determining why humans and animals that suffered from disease could not find their way back to health. The answer was the same in both cases. It was because of their inability to respond to the magnetism that flows along the earth's magnetic meridians. And this inability to respond to the magnetic attraction of the meridians is because some, disease in the system prevents the response to this magnetic flow.

"The carrier pigeon couldn't find her way home because she had lost the power of orientation—a peculiar gift. It enables migratory birds to steer a north or south course almost as though they had a compass in their brains. To a lesser degree, it affords a sense of direction to dogs, cats, many wild animals and savages, and some blind people.

"How they do this has, for many centuries, been a disputed question. But science is now accepting the explanation advanced by Dr. White more than 25 years ago. He insisted that the magnetically charged bodies respond, like the needle of a compass, to the influence of the magnetic poles of the earth. The flow of magnetism running from south to north, over and through the earth, affects the magnetically charged organisms and tells them the direction as plainly as the current of a stream would tell us the direction of the river flow, also our way home, if we knew the river and the topography of the country.

Effect of Magnetic Waves.

"So birds migrating, in many instances, thousands of miles every spring and fall, find their way, guided by the definite energy of the magnetic meridian streaming through their bodies. They require not even the sense of sight. Indeed many species fly exclusively by night, resting and feeding in the daytime.

"And now let us take a 'close up' of the sick carrier pigeon that could not find her way home, and try to see why she couldn't. She was carrying with her an abnormal rate and mode of vibration, that of avian tuberculosis. This abnormal rate and mode of vibration was sufficient to prevent her detection of the rate and mode of vibration of the earth's magnetic meridian.

"During the course of the experimental stage, patients seemingly normal and otherwise were placed in standing position, facing in the magnetic meridian (north or south), 'grounded,' and with the room darkened to shut out light, as light is but a form of energy, and at this stage it was desired to shut out every form of energy possible, that the subject might not be influenced by any foreign energy while in the static equilibrium.

"While standing facing north or south, certain observations were made, such as, pertained for example to his tension. The tension and frequency of the pulse, and the blood pressure were taken. Then the person was turned east or west and the same observations were taken for comparison, and in some cases it was found that there was a change of tension when the patient was changed from one direction to the other as mentioned."

SOMEBODY IS ALWAYS AWAKE AND TOILING IN BIG METROPOLIS SUCH AS NEW YORK

Army of 200,000 in Gotham Labors Exclusively at Night in Many Different Duties That Must Be Kept Up Even While Most of City Sleeps.

NEW YORK.—A great city never sleeps; somebody is always awake and toiling. In New York there is an army of 200,000 who are exclusively night workers, engaged in preparing something, the streets or the buildings, the food, the transportation or the mail, for the next day's outpouring of the "six million." Many of these owls never see the sun, and they come to prefer the shadows and silence of the night-time to the glare and roar of day, writes Raymond S. Carroll to the Philadelphia Public Ledger.

Unlike London and Paris, the character of neighborhoods is constantly changing in New York, a prismatic city in its variations. Very early this morning we started from Broadway and Forty-second street, going westward to the docks of the North river, alongside which were arriving floats from the New Jersey shore laden with vegetables, milk and other food supplies and coal. Like grim ghosts the floats came in, dozens of them.

A few blocks further north, in Eleventh avenue, freight trains were arriving. More foodstuffs. Market Commissioner O'Malley tells me that 20,000 workers are employed before each daybreak in arranging for the city's mighty stomach. This estimate includes the Long Island farmers, who supply the Wallabout market in Brooklyn, and the New Jersey farmers, who come to the Gansevoort market, named for General Peter Gansevoort, an officer in Washington's army, located below Christopher street.

We next visited the new postoffice, in the rear of the Pennsylvania station, built of marble in severely classic style with a pillared facade.

Across the front runs the inscription from Herodotus: "Neither snow, nor rain, nor heat, nor night stays these couriers from the swift completion of their appointed rounds."

Altogether 4000 postal employees work in the night. Here on the cases sorting the outgoing mail into boxes we found college students who by this means earned their keep and tuition at the institutions of learning they attended in the daytime. The cases are made up by states and a competition was in progress between the workers. Louis A. Helflich was the speed champion of the building. There are 1232 office buildings in the greater city, 850 of them being located on the island of Manhattan. Their cleaning is done by a host of more than 12,000 scrubwomen. This does not include the scouring out and polishing up of the 400 hotels and 323 theaters nor the renovating work done between sundown and sunup in the 9863 warehouses and loft buildings of the city.

852,000 Apartments and Houses.

Gotham has 1,650,000 families, who live in 852,000 apartments and homes, or, putting it another way, the city possesses 145,330 one-family dwellings, 84,359 two-family houses, 106,394 "walk-up" apartment buildings and 2972 elevator apartments and hotels. There are required 110,000 janitors (who are not included in the night workers) and 6890 elevator boys to operate the flats and apartments. Nearly 3000 of the elevator boys are on duty at night in these multifamily structures.

In a leading bakery on the lower West Side we were told that more than 6000 bakers are required to prepare the bread and rolls for the city's

population. They do their baking at night and more than 1000 wagons distribute their product, and at the same time 4000 milk wagons are in the streets. To guard the homes of the sleepers there are 3000 city policemen on duty and an additional body of 8000 night watchmen is employed punching time clocks and guarding the office and loft buildings and 6532 factories.

Garage Workers Busy at Night.

Getting the automobiles and other vehicles ready for the next day is an established craft of the night. There are exactly 23,411 garages and stables in New York. When one contemplates that most of the washing and repair work has to be done at night, one can see the amount of toil going on in this field of labor, work only possible in an era of electricity.

Then among the other workers of the night are the newspaper employees, the waiters in the all-night restaurants, the truck drivers, the employees of the telegraph and cable companies, the electric sign workers, the street cleaners and the garbage collectors, the men at the power houses and gas works, the subway, L and surface car employees, the clerks in the never-close delicatessen stores and the night forces in the financial district.

Few people realize that Wall street never sleeps. All the big banks and trust companies have men on their books throughout the night; clerks who come to work in sweaters and smoking pipes. Their efforts under the gleam of hundreds of electric desk lamps is the only chance that the financial institutions have to get caught up with each day's business.

Many a balance is not struck until long after midnight.

We ended our trip into the domain of the bat just as the gray dawn was breaking over the eastern skyline. "How many of you chaps are out at night?" was asked of our taxi driver. "There are about a thousand of us who specialize for the night trade," was his reply. He continued: "There are 5000 licensed taxis in the city, but we who run in the night get the real money." He added that of the 400 horse cabs, half of them were on the night shift.

Indeed, this night business is a whale of a proposition in a city like New York. It fairly staggers the imagination when one gets out into the midst of it.

All in Shipshape in the Morning.

And this morning in the full daylight what did we find? A wholesome cleanliness on all sides. Hot water for the bath and heat for the body have been prepared for us. The streets have been well washed with water, for from our breakfast table through the window we see how they glisten in the first rays of the sun. Our milk, grapefruit and hot rolls are invitingly placed before us on the table. Next we are handed our favorite newspaper and the morning mail. Our friend's motor car comes to the door spotless with engine working to perfection. We find the floors of all buildings we enter devoid of waste, dirt and cigar ashes. Everything everywhere has been put into shipshape and is in order.

And it all has been done in the seeming brief interval of night by those heavy-lidded folk who have just slipped under the bed covers for their well-earned rest.

Origin of Epsom Salts.

London Telegraph.

It was owing to cattle refusing to drink from an impregnated spring on Epsom common in 1618 that Epsom salt was discovered. Doctors examined the spring, and in consequence of their verdict the aristocracy of England were hurrying to Epsom a few years later to "take" the waters.

Aviators' Mascot Mournful Relic of War.

French Keepers Refuse to Slay Pet of Lafayette Squadron.

PARIS, Jan. 22.—The lion cub which was adopted as a mascot by the Lafayette squadron of aviators, the first of the Americans to come to fight and die for France in the war, now is a melancholy spectacle in the Paris zoological gardens, but the keepers refuse to kill him because of the sentiment resulting from his connection with the American fighters. One eye is missing, much of his hair is gone, he seems decrepit with age and, if met in the desert, his appearance would inspire nothing but pity. The indignation of some members of a society for prevention of cruelty to animals has been aroused by his mournful appearance.

"Why don't you chloroform the poor old fellow?" a visitor asked of the headkeeper, the other day.

"What do you mean by 'old fellow,'" retorted the keeper. "That lion is only four years old. He is a victim of the war. If that lion is lame it is because he got rheumatism in the first line trenches. One of his legs was broken when he fell out of an airplane 40 feet from the ground. He lost his eye from a well-directed right hand swing of one of the mechanics whose fur coat he had stolen and played with a bit behind the sheds.

"Kill that lion!" he exclaimed. "Why he is the symbol of those tall happy lads in khaki whose bodies now lie along the Vesle and Meuse. I will take him home as a pet first."

But With a Difference.

"Did you buy that \$90 hat you were raving over?"

"Yes."

"What did your husband think of it?"

"Why—er—he raved over it, too."