

NEW MAGNETIC MOTOR RUNS ON PRINCIPLE OF COMPASS

Pittsburgh, Pa., Feb. 27.—(AP)—Lester J. Hendershot, 29-year-old West Elizabeth, Pa., inventor, whose fuelless motor has gained the interest of Col. Charles A. Lindbergh and others prominent in the aviation world, wants the "humbug" eliminated from reports on his invention, which he developed while experimenting on an effort to produce an improved compass.

"The force that turns my motor is the same force that pulls the needle of a compass around—and there is nothing mysterious about that," he said.

Hendershot said that when he took up aviation three years ago he discovered that the "ultimate development of aviation depended largely upon the discovery or invention of an absolutely true and reliable compass" and that his first experiments were an effort to develop such an instrument.

"The ordinary magnetic compass does not point to the true north—it points to the magnetic north, and varies from the true north to a different extent at almost every point on the earth's surface.

"I found that with a pre-magnetized core I could set up a magnetized field that would indicate the true north, but as I didn't know just how to utilize that in a compass I set out to find.

"In continuing my experiments, I learned that by cutting the same line of magnetic force north and south I had an indicator of the true north, and that by cutting the magnetic field east and west I could develop a rotary motion.

"I now have a motor built on that principle that will rotate at a constant speed, a speed pre-determined when the motor is built. It can be built for any desired speed, and a reliable constant speed motor is one of the greatest needs of aviation.

"The motor I demonstrated at Detroit has a speed of 1,800 revolutions per minute and develops 45 horse power on a block. The motor is now in New York."

Asked what he intended doing with his motor, Hendershot said he had decided to do nothing without first consulting the Guggenheim Foundation, and his attorney, Col. Henry Breckenridge, who also is Col. Lindbergh's attorney.

He said he had only one offer in which money was tendered, and that from a news reel concern which mentioned \$50,000 for exclusive photographic rights for one year. He said he "didn't deal with them."

Hendershot is a licensed pilot and has done much of his experimenting at Bettis field here.