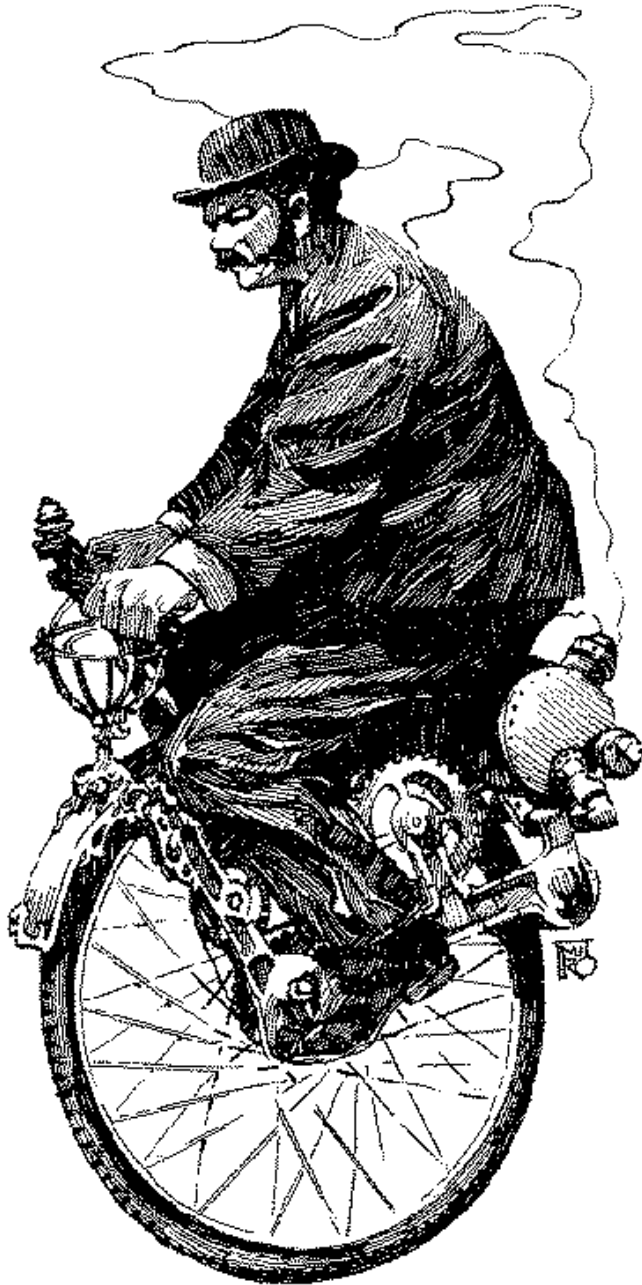


Steam Uniped



A miracle of the Modern Age! A personal conveyance that can carry a man easily, yet does not cost your life's savings. A wondrous device indeed, the Steam Uniped is capable of speeds in excess of 5 miles per hour! Its comfortable seat, spacious cargo area, and handily placed control stick make this the best choice for the modest businessman's personal transport. Its utilitarian design makes it perfect for use by couriers, as well as the younger members of the family.

The frame is constructed of durable iron, covered with fine brass and a quality enamel finish. The engine can run for over an hour without refuelling, and the boiler can operate from nearly anything combustible. The seat of the Uniped is fine tooled leather, with appropriate brass edgings and fittings. The wheel is constructed from a cast iron frame, making it durable on even the worst roads, and has a 1" thick India Rubber tyre.

What makes the Uniped unique is its ability to operate with just one wheel. The Uniped utilizes a high quality, hand crafted gyroscope. This gyroscope helps keep the Uniped level on the flattest roads and the steepest hills.

We at *Popular Invention* expect to see the streets literally clogged with these Unipeds within just a few short years. Their utility, size, and quite reasonable price lead us to believe that the Steam Uniped shall be in mass production before the end of the year.

Steam Unicycle

Cost: 10 days at 1,000c

Size: Small [30 wounds]

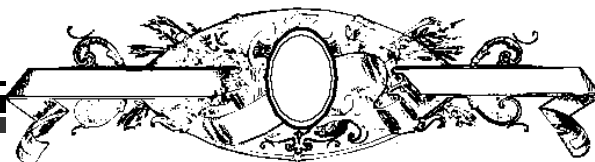
Description: The Wheel is cast iron. The Seat and Engine Frame is constructed from light wood. The finish is done over in a high quality gloss enamel. The control stick is Cherry Wood, with a Brass knob.

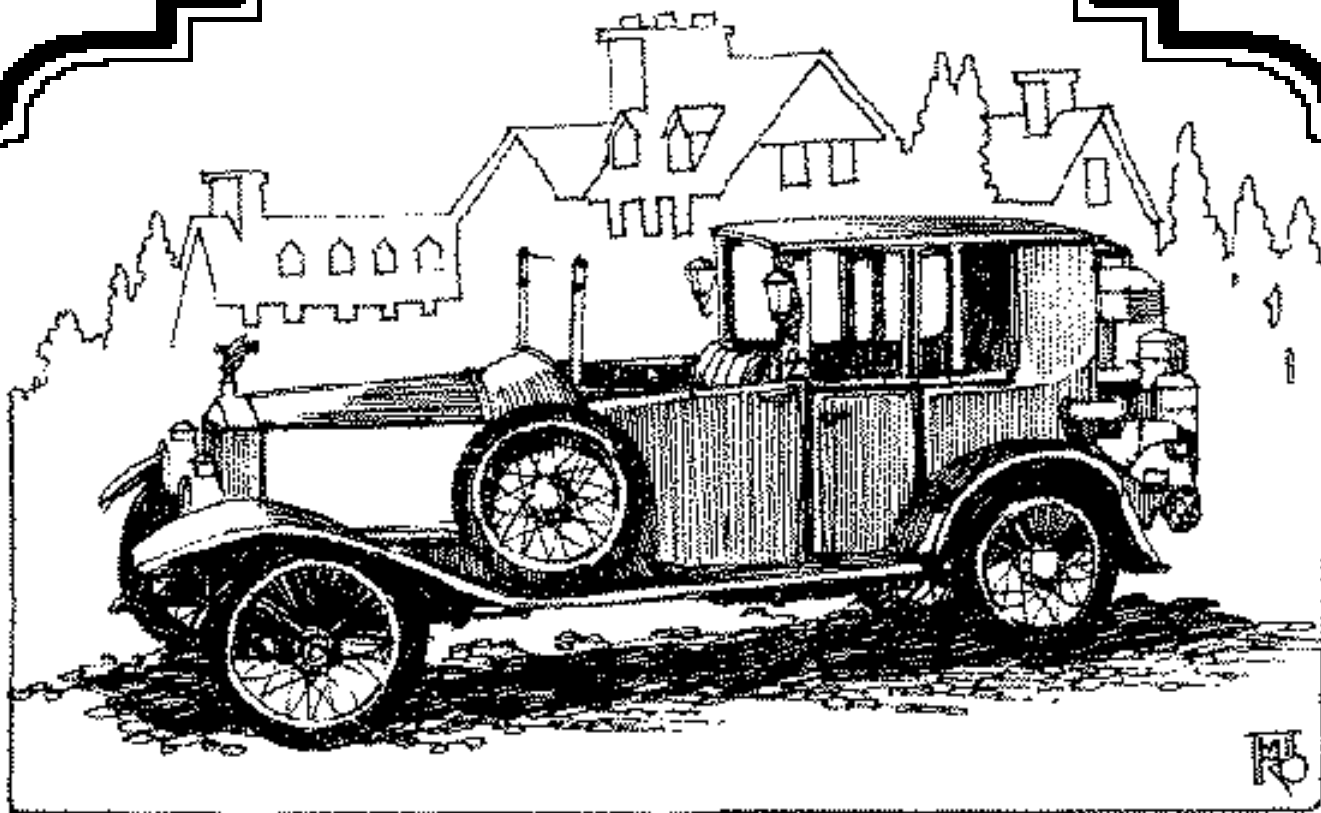
Powered by: A spherical brass boiler covered with hundreds of tiny rivets, hissing quietly

Operation Time: 1 Hour

Controlled by: The Control Stick, attached to the Wheel, and the Gyroscope

Moves with: Cast Iron Wheel, with a 1" India Rubber Tyre





Rolls-Royce Automotive

The finest in British luxury — a Rolls-Royce Steam Auto! In the grand tradition of British engineering, the craftsmen at Rolls-Royce have truly outdone themselves in the creation of this beautiful vehicle. From its fine leather interior to its easy access boiler, no detail has been left to chance.

Starting from scratch, the engineers at Rolls-Royce developed the Steam Auto in a mere eighteen months. Every attention was paid to detail, from the door knobs to the number of rivets in the main boiler. From the seats to the doors, the interior has been upholstered in the finest, softest calf leather. The knobs and controls are fashioned from brass, and then plated in 24-karat gold.

The suspension of the Rolls is one of the more interesting features of this Auto. Rather than start with the spring steel suspension common in the other Steam-Mobiles, Rolls chose instead to hang the passenger compartment from a series of Heavy springs. Instead of the passengers taking the brunt of a particularly

poorly maintained roadway, the lower carriage absorbs it, leaving the compartment stable and smooth.

Currently, there are few of these Autos available. Since each one is handcrafted (as opposed to the sweatshop conditions of many of the other mass-production “auto” makers), the number the company can produce each year is limited. Add to this the cost of the high level of craftsmanship in each car, and you soon discover that this car is built primarily for the upper classes. Queen Victoria owns one of these cars, as do many of the aristocrats in London.

Rolls Royce Automotive

Cost: 23 days at 2300c

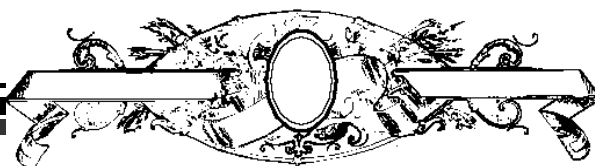
Size: Medium [60 wounds]

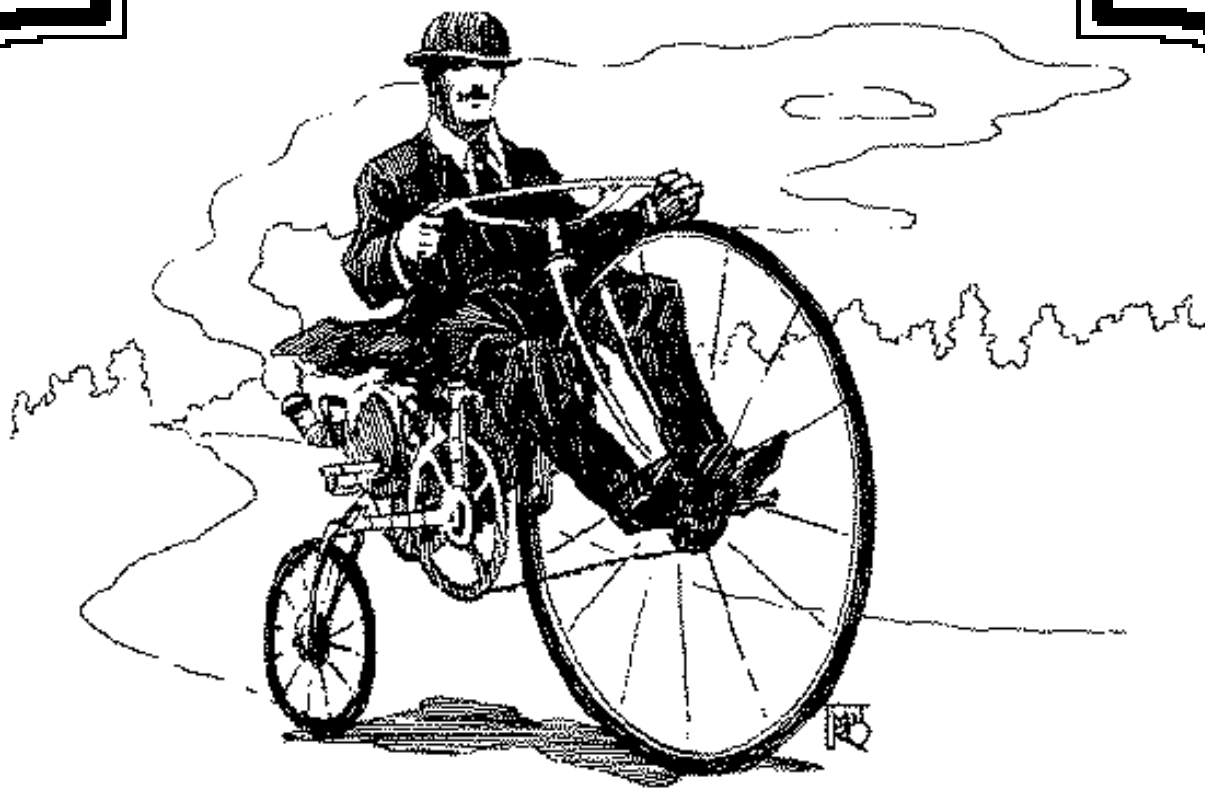
Power ed by: Steam Engine

Operation T ime: 6 Hours

Contr olled by: A Captain’s Wheel in conjunction with a series of Foot Pedals

Moves with: Wood and Steel Wheels shod with several inches of India Rubber





Steam Velocipede

Just when you thought the truly original ideas had been tapped out in this Age of Invention, a clever inventor comes back with something that truly amazes and astounds. The Steam Velocipede is just such a vehicle.

Combining elements of both the Steam Automotive and the many new-fangled riding devices now appearing on the streets of our cities, the Steam Velocipede allows almost anyone of modest means access to swift and reliable Modern conveyance.

Like the common velocipede (also known as a bicycle in the Americas), the frame of the Steam Velocipede is constructed of sturdy wood, with thick India rubber tyres for maximum traction. Beneath the large leather saddle is mounted a small boiler, which drives a chain that propels the large front wheel. The driver rests his feet upon two pedals afixed to this wheel's hub, which act both as foot rest and as friction brake.

Unfortunately, the low cost and relatively easy availability of these machines has made them quite popular among lower class youths who fancy themselves to have a mechanical bent, but who cannot afford a true automotive. Bands of these velocipedal hooligans have taken to travelling in massed groups, sporting luridly painted vehicles and subjecting innocent travellers to taunts, blasts of steam exhaust, or worse, only to escape in a cloud of steam when the Constabulary arrives to arrest them, a deplorable commentary on the Youth of Today.

Steam Velocipede

Cost: 20 days, at 2000c

Size: Small [40 wounds]

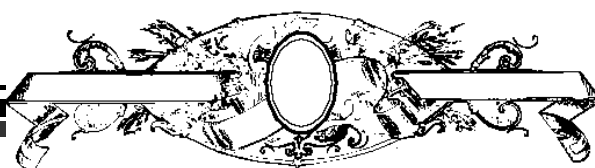
Description: Wooden frame with a leather saddle

Powered by: A spherical brass boiler

Operation Time: 1 Hour

Controlled by: A Control rod

Moves with: A 1" thick India Rubber Tyre



Steam Helicopter

Originally developed in 1867, the Incredible Steam Helicopter was an instant sensation in New European Scientific circles. Finally, a craft had been designed that utilized Leonardo da Vinci's work on rotating wing craft. Several years later, it is still exciting people.

Standing 12' tall, with rotating "wings" that are each 20' long, the Incredible Steam Helicopter is an impressive sight. The vehicle is constructed primarily of wood, with sparse steel reinforcement only where necessary. The Steam Engine is highly efficient, and can operate for extended periods between fuellings. The helicopter also features a large open coach compartment, designed to give the passengers and pilot the best possible view.

The Helicopter can carry four passengers in addition to the pilot. Two of these passengers travel in a separate compartment between the pilot and the engine.

The Helicopter is operated using three controls — an altitude knob, a direction control, and a control stick. The altitude knob is turned right to increase the speed of the engine, and thus increase the rate of altitude gain. The direction control is used to change the direction the helicopter is facing. The control stick is pushed in the direction that one wishes to go.

The most recently available model has made a few refinements in the original design. The controls have been simplified, placing the direction control on the control stick, making it much simpler and easier to operate the vehicle. The accommodations for the passengers have improved as well. Increased insulation in the walls of the coach has greatly reduced the amount of noise, making in much easier to shout instructions to the pilot.

The original purchasers of the Helicopters were the military forces, using

them to survey potential battlefields, and other activities that required extended hovering. The helicopter provided them the opportunity to make observations, and escape in short order should there be a threat. However, these units were both cumbersome and unreliable, with only a few minutes of flight time and a distressing tendency to fall prey to sniper fire.

Now, of course, another common buyer of the Incredible Steam Helicopter appears to be the up and coming young aristocrat. It is quite the status symbol, in fact, to own your own Helicopter.

Helicopters are currently being assembled by quality craftsmen working for the Hughes Aeronautical Vehicle Company of Trenton, New Jersey. In the last eleven years, four other manufacturers have also attempted to build these intriguing vehicles, but were thwarted by a series of legal entanglements regarding the patent rights to this invention. (It seems another individual, whom we will not do the courtesy of naming, is claiming to have designed the helicopter some time before, and that the design was stolen. Several legal actions are in the offing, and it is not altogether certain if they will be completed before these problems add another casualty to the list of failed manufacturers of these clever and useful craft.)

Steam Helicopter

Cost: 22 days at 2,200c

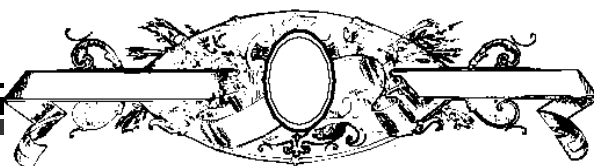
Size: Medium [60 wounds]

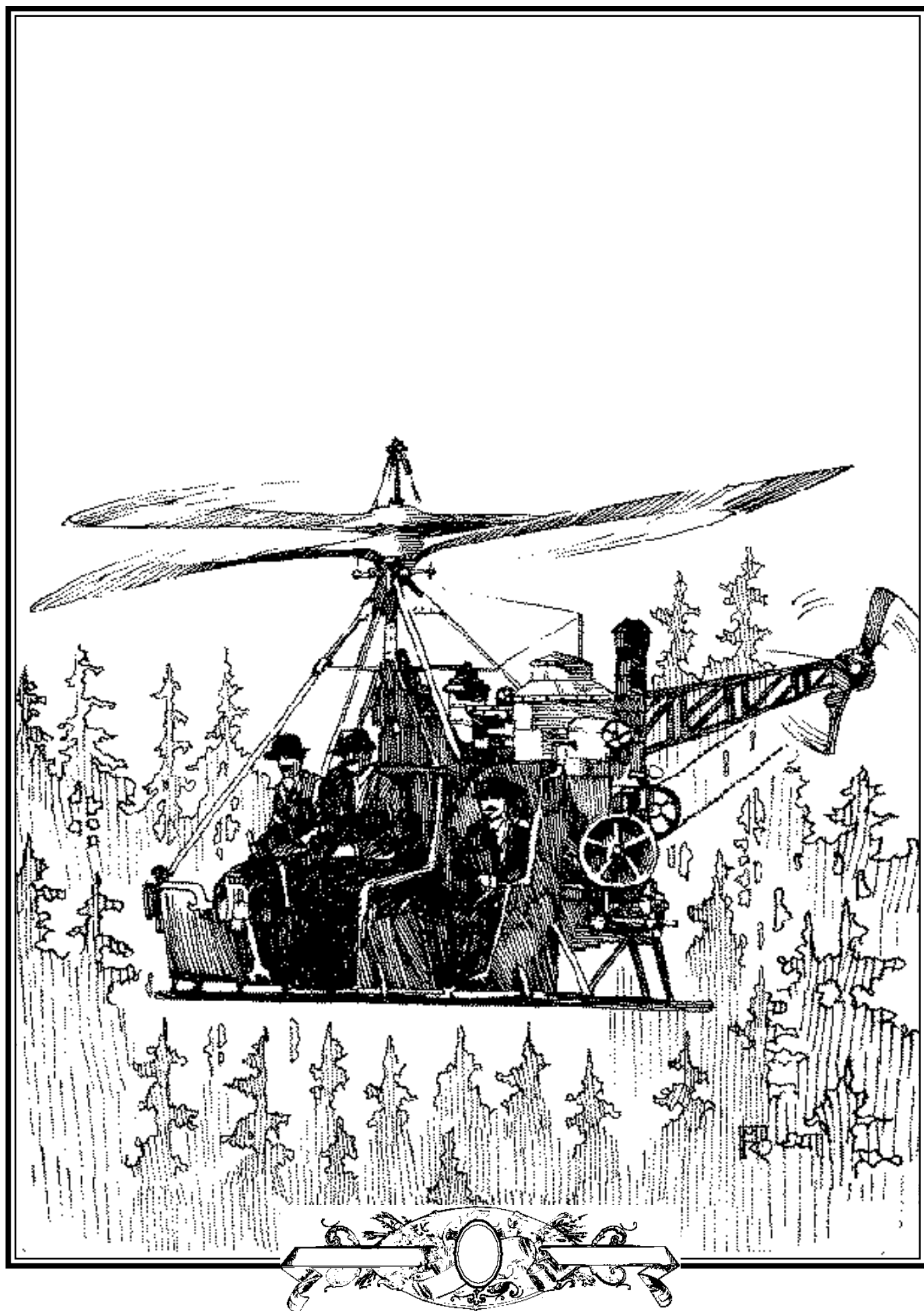
Powered by: Steam Engine and large alcohol-fuelled Boiler covered in rivets and brass tubing

Operation Time: 6 Hours

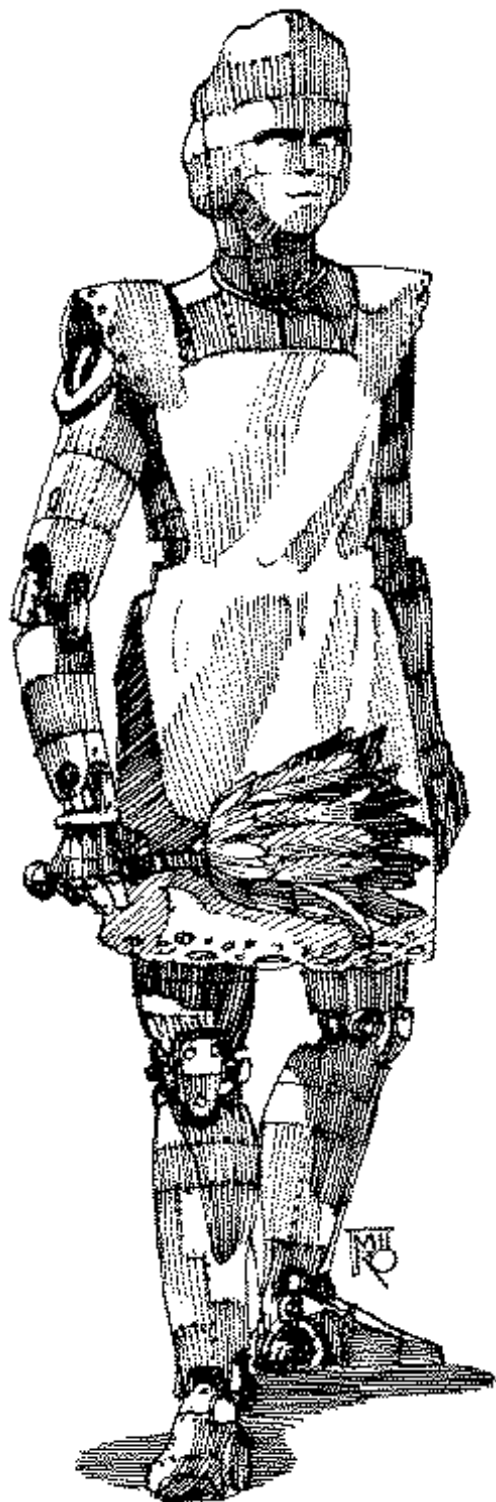
Controlled by: A Complex Arrangement of Levers

Moves with: Long Thin Rotating Wings run by a Powerful Steam Engine





Clockwork Servant



Finally a device created to help with those age-old problems of maintaining a home and raising the children—a Clockwork Servant. Originally developed by Elrich ClockworkMaker (see his profile on page 84 of this issue), the Clockwork Servant has been a boon to mankind. The ease at which they can be set upon their tasks and the precision with which they do their jobs make this one of the best items yet developed.

The Clockwork Servant is shaped very much like a man, with a sturdy torso, two arms, and two legs. Fine Dwarfish craftsmanship goes into each one, making it a work of art. The torso and legs are covered in fine brass sheeting, riveted with care, and coated with a sturdy enamel. The head is a metal sphere painted with an almost human face, usually smiling.

The propulsion of the Servant is accomplished through the winding of an immense spring mounted inside. Ten minutes of winding yields more than two hours of uninterrupted work.

A Clockwork Servant weighs in at almost 500 pounds, making it a substantial device. The quality India rubber soles on the Servant's feet prevent it from marring your floors.

The tasks this modern golem can perform are simple, but helpful. Washing of the windows, beating of rugs, washing of dishes, answering the door, and sweeping are but a few of the tasks they can be made to accomplish. More advanced models are apparently in the design stages now. Tasks these automatons may be "programmed" for could include changing a baby's diapers, polishing the silver, playing the piano, and maintaining the plants on your property.

Clockwork Servant

Cost: 18 days at 1,800c

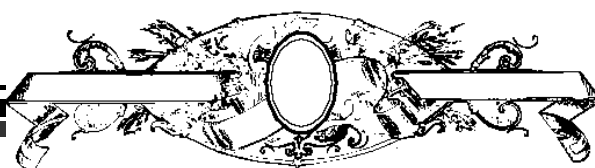
Size: Small [40 wounds]

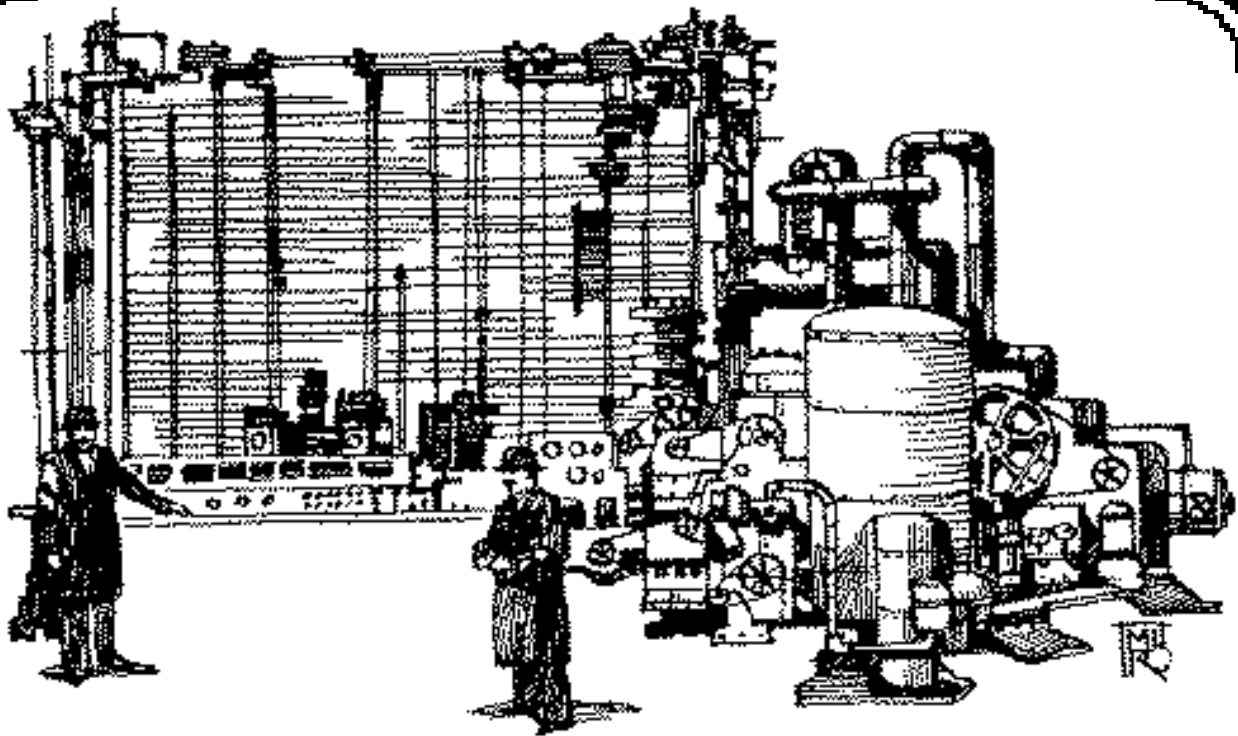
Powered by : Complex and intricate Clockworks, run by a steel spring

Operation Time : 6 Hours

Controlled by: Babbage Engine Punch Cards

Moves with: Articulated Metal Legs





Babbage Analytical Engine

Charles Babbage, a mathematics professor at Cambridge, began work on his first Analytical Engine quite a few years ago, after successfully constructing his Difference Engine. After several failures to fabricate the workings using “conventional” means, Babbage contracted a Dwarf craftsman for assistance.

Jericho Watchmaker was well suited to building a device that required more precision than was possible by human hands. He studied the plans carefully, and soon noticed several minor flaws in the design. Not realizing that the design was theoretical, and that it had never been built, Jericho decided to “improve” the design and went ahead and made changes.

The Babbage Analytical Engine Mark I is a true wonder to behold. It stands over 15' high, and 20' in length. The construction was done in a combination of wood and brass. Power for the Engine's operations is provided by a steam engine—one of the changes made by Jericho. Originally, power was to have

been provided by a huge coil spring. That was deemed impractical to the Dwarf due to the short duration of the winding, and the safety issues raised by a spring that might break loose and wreck the Engine.

The Mark I Engine is capable of many complex analyticals, and can be operated continuously for quite a time. According to Babbage, feats the Engine is capable of include: “Sixty additions or subtractions per minute. One multiplication of two numbers, each 50 figures, in one minute. One division of a number having 100 places of figures by another of 50 in one minute.” The parts of the machine most prone to wear have been constructed from metal (both iron and steel), making them more durable.

Babbage's Analytical Engine

Cost: 19 days at 1,900c

Size: Medium [80 wounds]

Powered by: Steam Engine

Controlled by: Punch Cards

