

Why the devil do you wear such long things?





I WANT to marry Candide!



You'll do no such thing! My daughter will never marry a simple commoner



But Candide isn't a commoner, he is the son of one of your relations!



of them at least

But father, the 80 hunters were all high-born

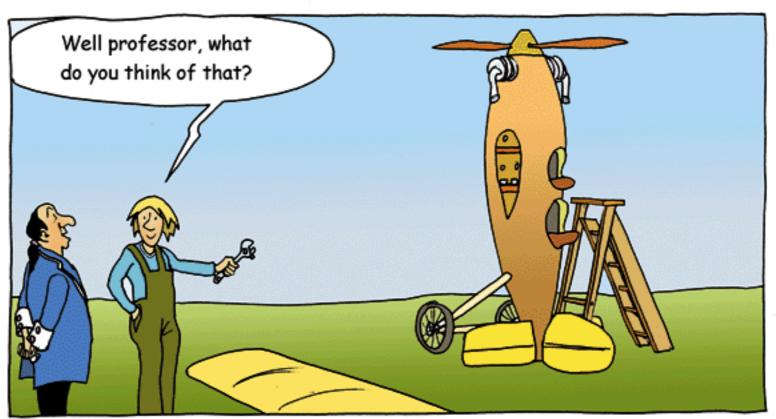






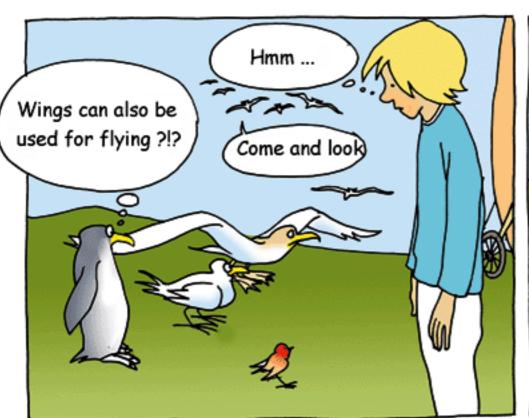
In fact the aeroplane pilot wasn't wrong to want to nose up his machine. The best thing would be to change his tractive propellor into a system of lift. Then, while we're at it, we might as well remove the wings completely.

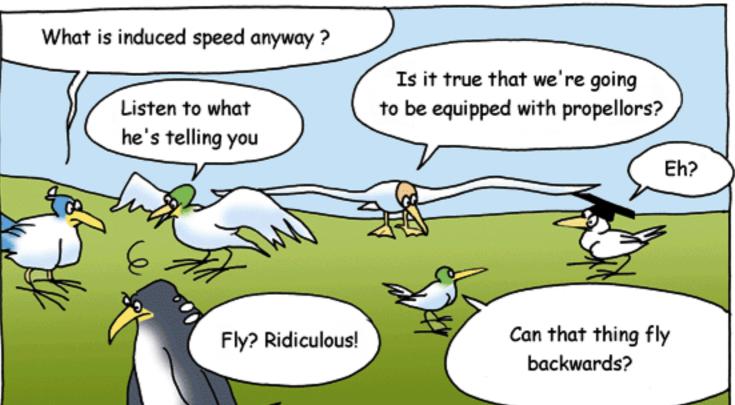








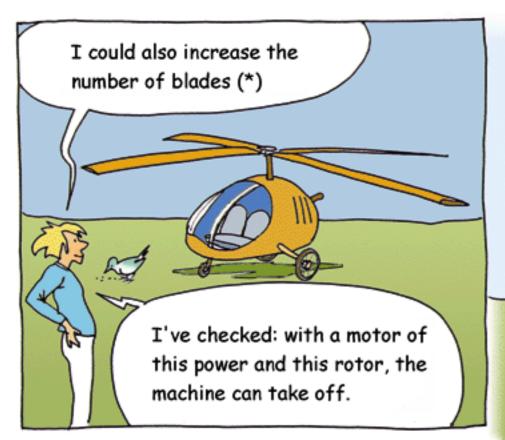


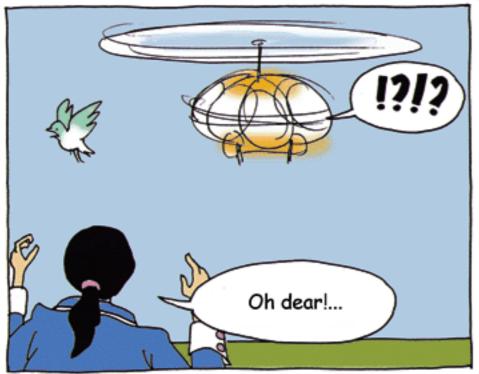




Maybe my "penguin" has "wings" that are too short. I can't continue to increase the power of the motor indefinitely so as to increase propellor speed yet lift increases as a square of speed. The solution is to increase the lift surface while keeping the length. An albatross flies better than a pigeon. So I'm going to lengthen the propellor blades. I'll call it a ROTOR

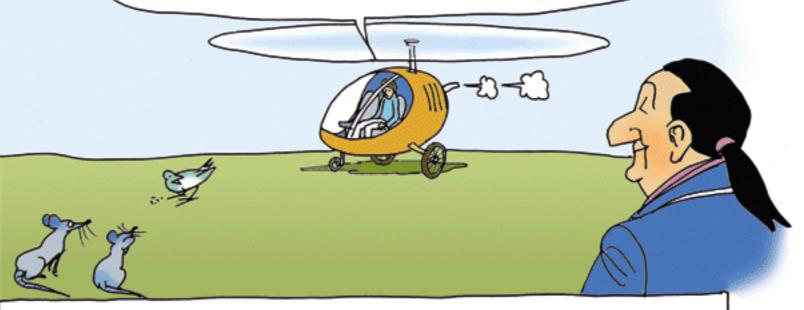






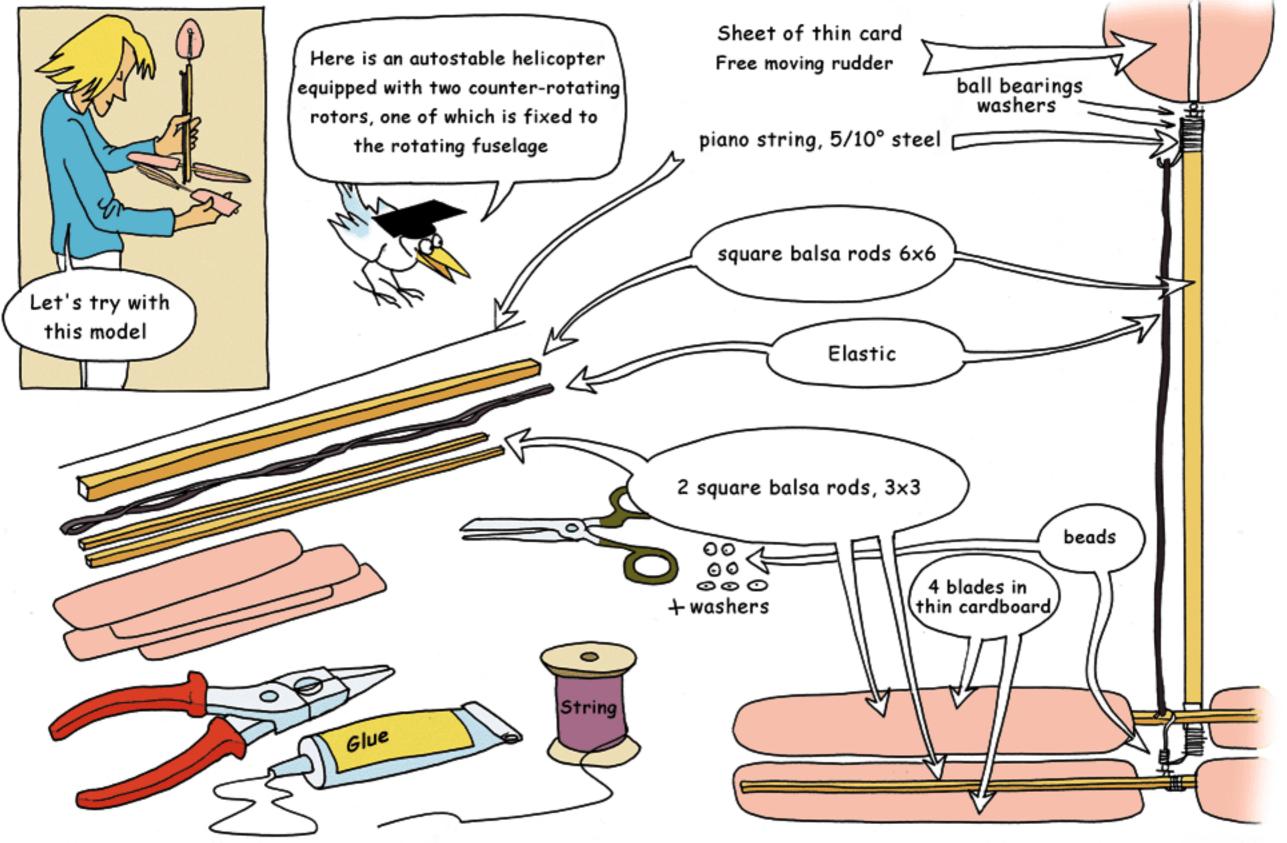
TORQUE

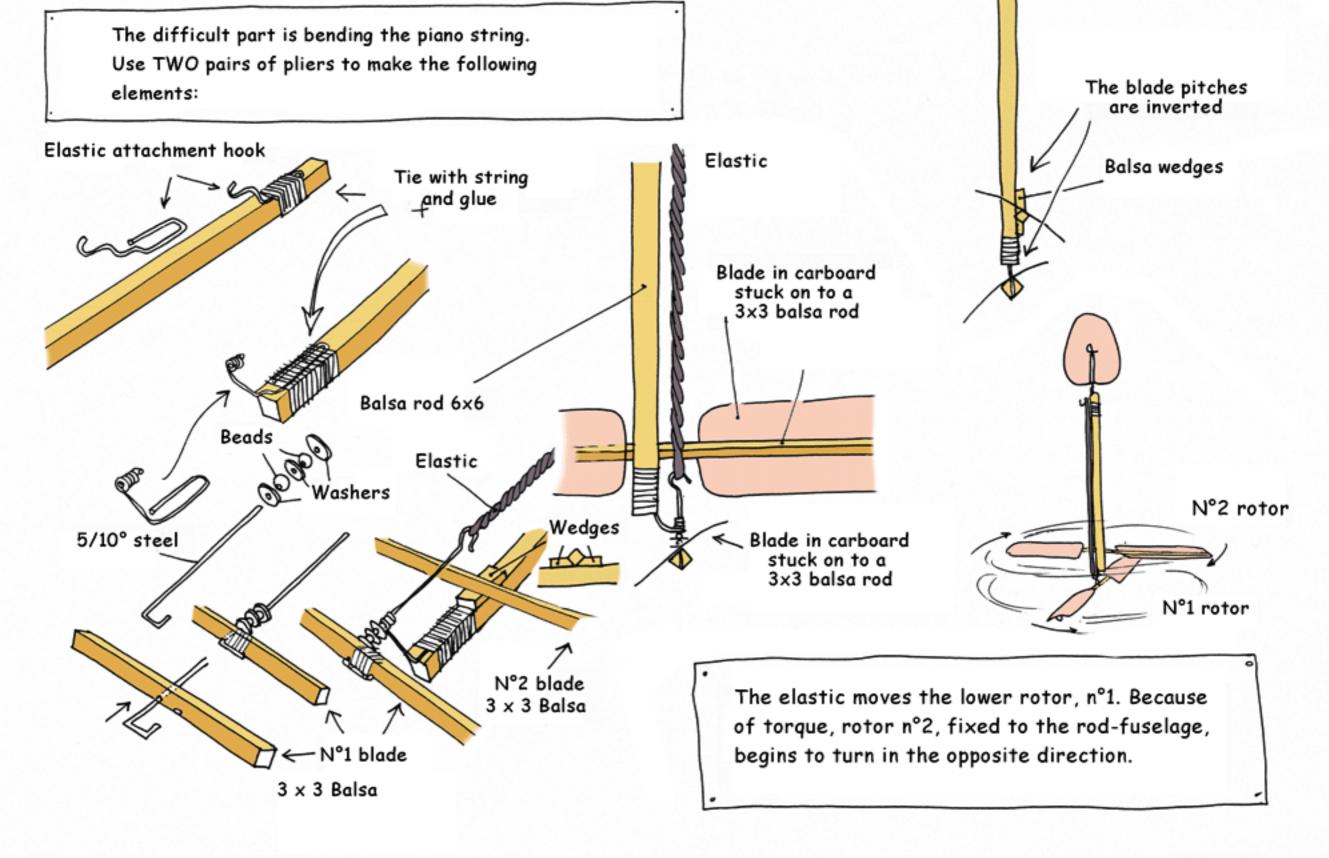
This time it should work. Contact!

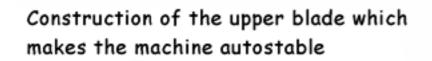


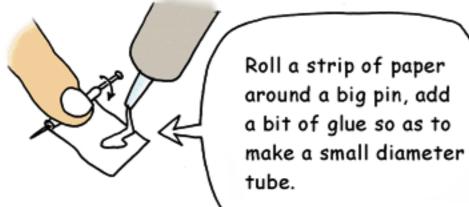
I took off Pangloss, I took off but my machine with its rotating sails started to turn itself in the opposite direction to the rotor.



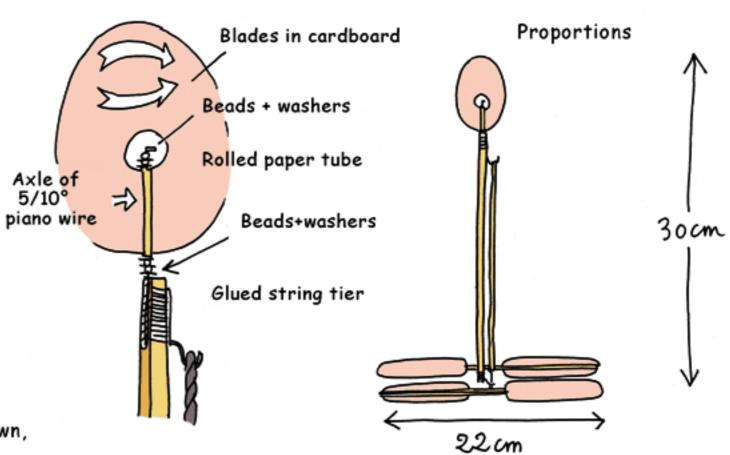


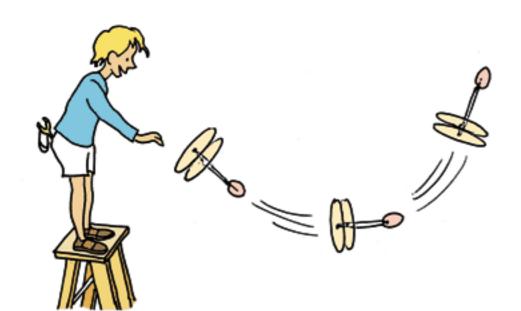


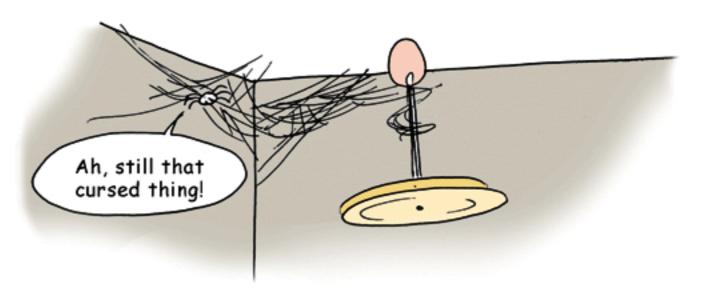




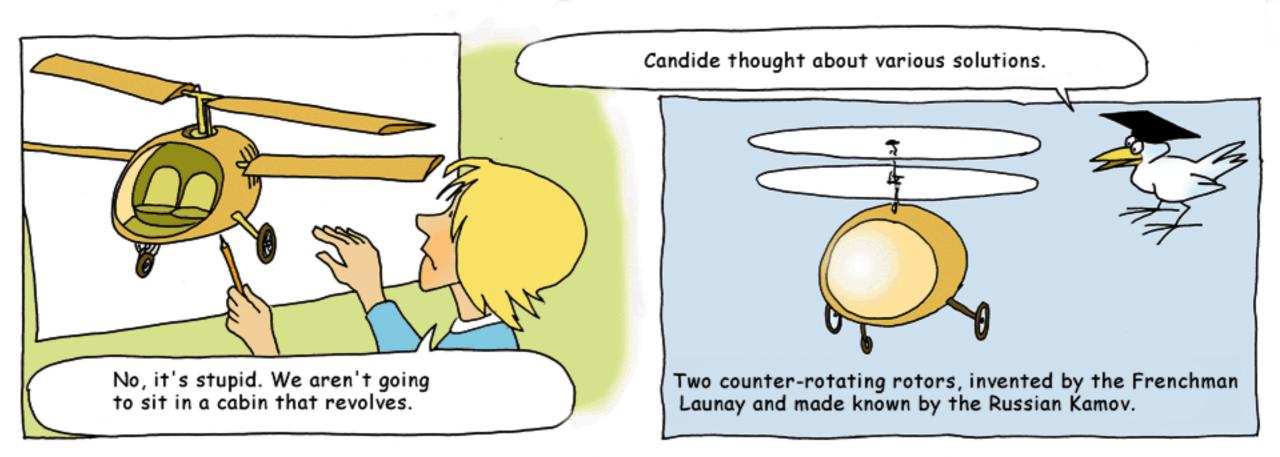
When the helicopter tilts it goes off to the side. The effort of the upper blade straightens it immediately. Left on its own, it goes up swaying from side to side (*)

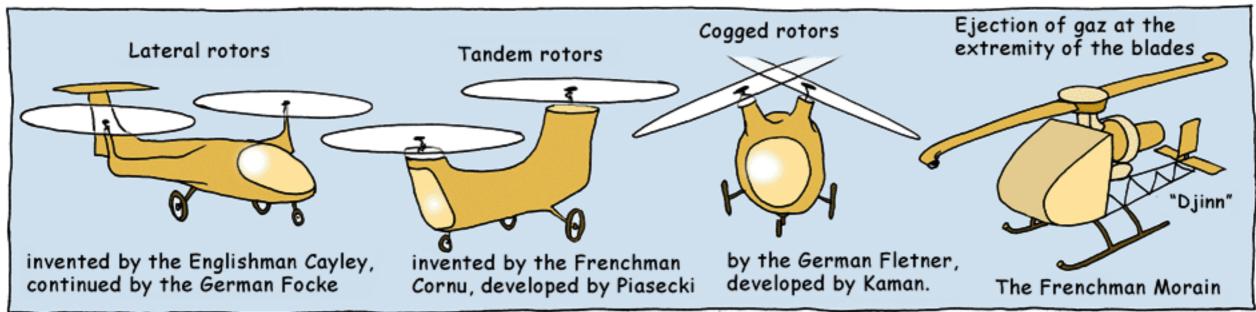






(*) When I was a child I used this to get rid of the spiders' webs on the ceiling of the Château de Thiors, in the Deux-Sevres (France).



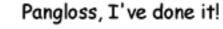


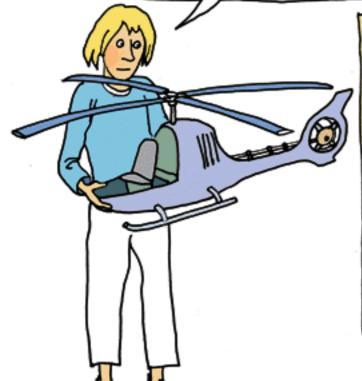
Yves le Bec has written a book illustrated with fine drawings entitled « la véritable histoire de l'hélicoptère, de 1486 à 2005", published by Les Editions Jean Ducret S.A. CH-1022 Chavannes-près-Renens. ISBN 2-8399-0100-5. In it you'll find all the types of helicopter imagined by man.

I'm going to put an anti-torque rotor and the end of a tail. By coupling it mechanically to the main rotor it should work. When I increase motor speed, the tail rotor will follow it and torque compensation will be automatic.

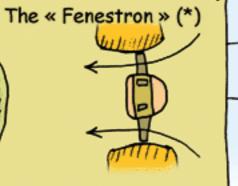


Come back immediately, if not you'll be cut up in a million pieces.









By putting a multiblade propellor inside a carenage, it's efficiency is increased and NOISE is reduced.



The antitorque tail rotor was invented by the Russian Yuriev and developed by Sikorsky.

(*) The "fenestron" was introduced by the Frenchman Mouille.



This shows that all is for the best in the best of all aeronautics.