Abstract: The renewal age process increases linearly with slope one and is reset to zero at points governed by a Poisson process. We present various results for the random variable $H_x$ that represents the first time the process hits the level $x$. These results include three characterizations of the distribution function and asymptotic expressions for the tail distribution. The latter involve complex-valued solutions of the Lambert W function. We further establish several connections to other probabilistic models. Using the theory of uniform spacings, we show that $H_x$ has the same distribution as the sojourn time of the first customer in an M/D/1 processor sharing queue.