

01

PLUME

Household fire extinguisher

This design is "featherweight" household fire extinguisher, the fire extinguisher "home electricity". In the form of wall hanging, the original bulky appearance of the fire extinguisher is decorated to make it light and small, convenient to hold and more labor-saving. At the same time, smoke alarm induction system is added at the bottom of the shell, and mask storage device is added at the top of the shell, which can resist the smoke and create a good survival environment before the rescue team arrives. It can amplify the function of protection and alarm on the foundation of fire fighting to protect and remind family members to the greatest extent.

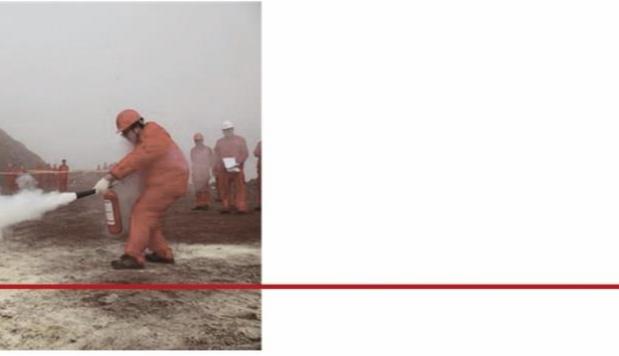


Subject Analysis |

课题分析

● Background Analysis |

背景分析



Details of life for people with the development of the society, more and more attention, but again pay attention to also can lead to accidents, especially in the holidays will be fireworks firecracker, can also cause the occurrence of fire, so people know what is in front of the fire is not important, the safety of life is the most important thing, people often to fluky mentality to ignore the importance of fire extinguishers. There are many things in life have its necessity, fire extinguisher is one of them so as a product designer, you should pay attention to this issue.

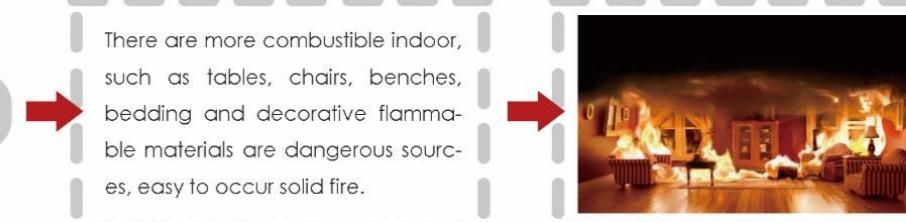
Background Analysis |

背景分析

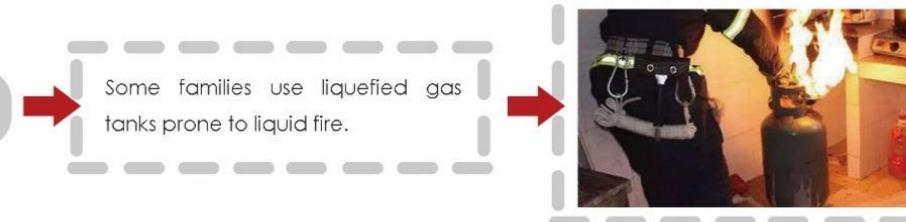
Increasing in recent years due to China's household electrical appliances, indoor flammable liquids increased, people viewpoint of fire control is weak, the ratio of home fires rising year by year, especially family fire death toll accounts for the total number of deaths by more than 60%, the proportion, investigate its reason, in which it is important that our country family indoor fire extinguisher Peizhilv is extremely low, the serious lack of fire control knowledge, this is with fire safety knowledge popularization in our country have a certain relationship, but more importantly, also did not appear on the market at present indoor fire extinguisher products for individual consumer demand. Commonly used fire extinguishers also need annual inspection, maintenance and other provisions must be carried out to professional institutions, for the family use is extremely inconvenient. Therefore, this design focuses on the needs of ordinary family members for indoor fire extinguishers, and carries out detailed research and design from the aspects of users, products and use environment. On this basis, the design elements of indoor fire extinguishers that meet the needs of ordinary household users are constructed by integrating their requirements, the actual positioning of indoor fire extinguishers is clarified, and relevant conclusions are discussed through specific practical cases. In the shape of indoor fire extinguishers and fire fighting methods carried out a strong feasibility of innovative design.

Type | 家庭火灾的各种类型

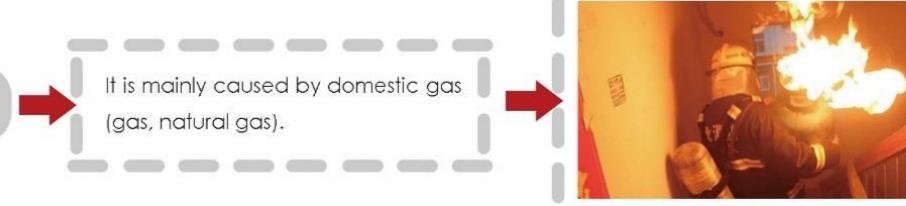
A: Solid fire



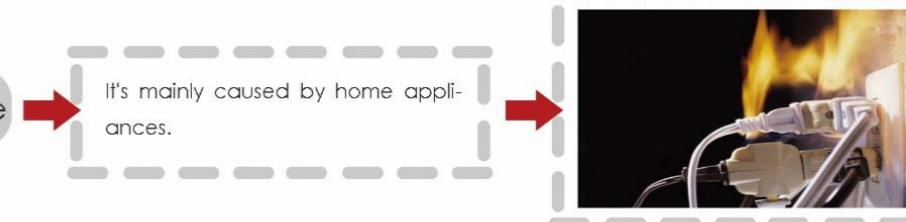
B: Liquid fire



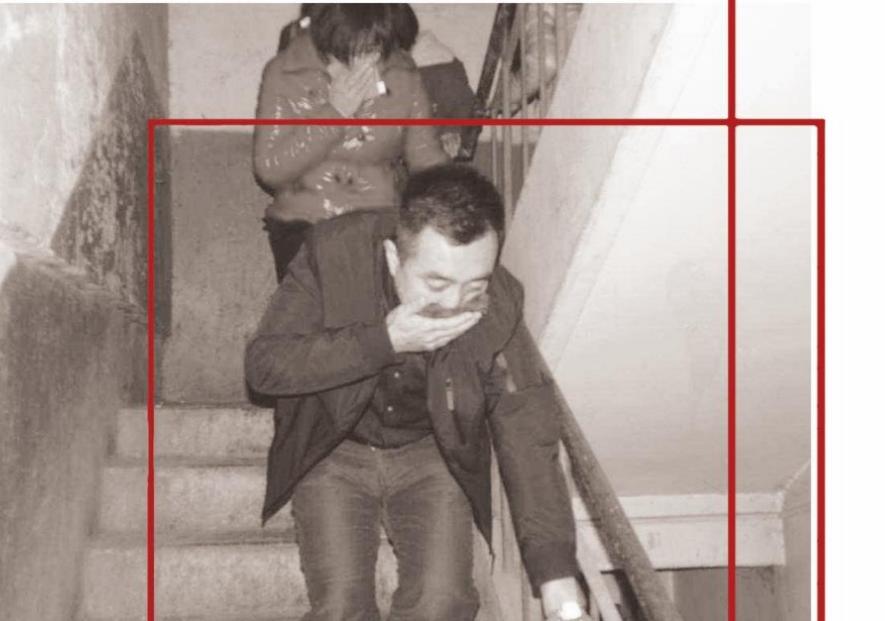
C: Gas fire



D: Electrical fire



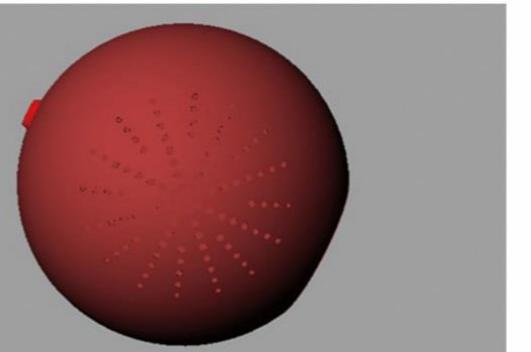
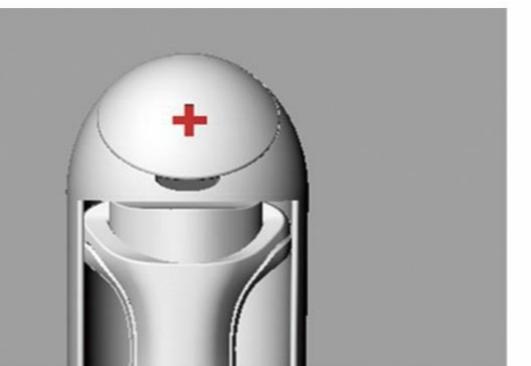
Problem analysis | 问题分析



According to the investigation and analysis on the incidence of household fire in recent years, the main causes of death in household fire are:

- (1) the family environment is complex and the fire cannot be judged immediately, and the rescue time is delayed due to the lack of formal fire-fighting equipment.
- (2) lack of fire-fighting and protective equipment. When a fire breaks out, smoke is the main factor leading to the death of residents.
- (3) the lack of alarm system, when the fire occurs, the smoke is diffuse, timely alarm can maximize the survival rate.

Solve a problem

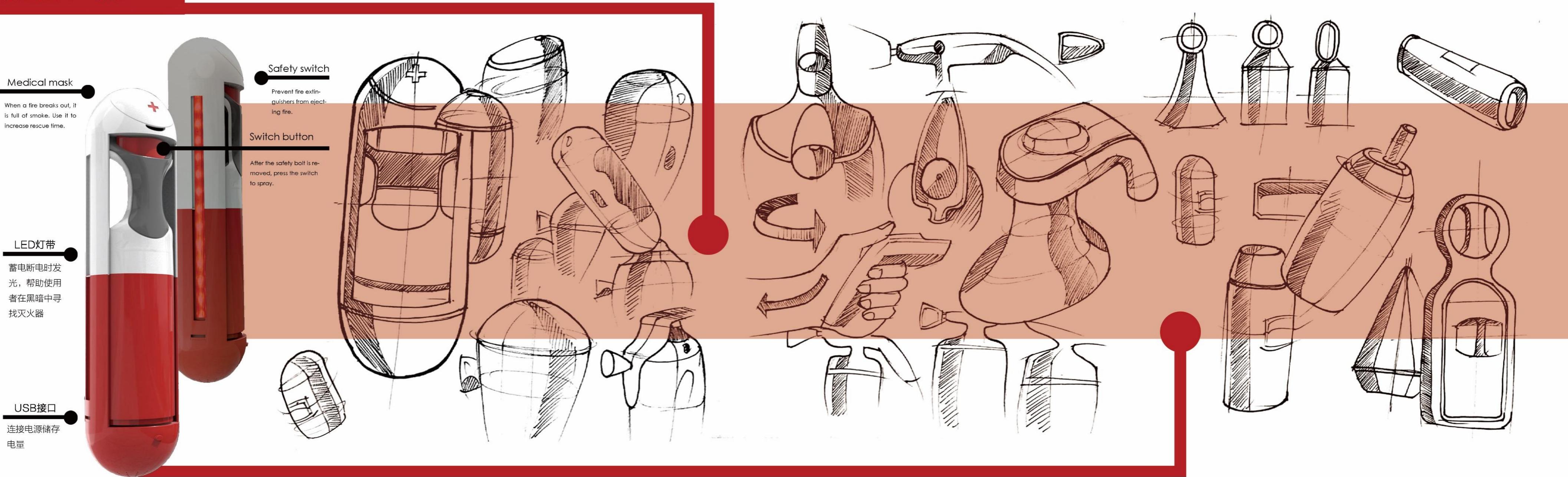


According to the preliminary investigation and analysis of existing problems, the design of a household fire extinguisher is designed to solve the above three problems:

On the basis of the original household fire extinguisher, the original clumsy appearance is changed, mask protection, smoke alarm and LED light belt are added, and the protection and alarm functions are enlarged, so as to protect and remind family members to the greatest extent, which can better reflect the use value of the product.

Sketch 1

草图方案

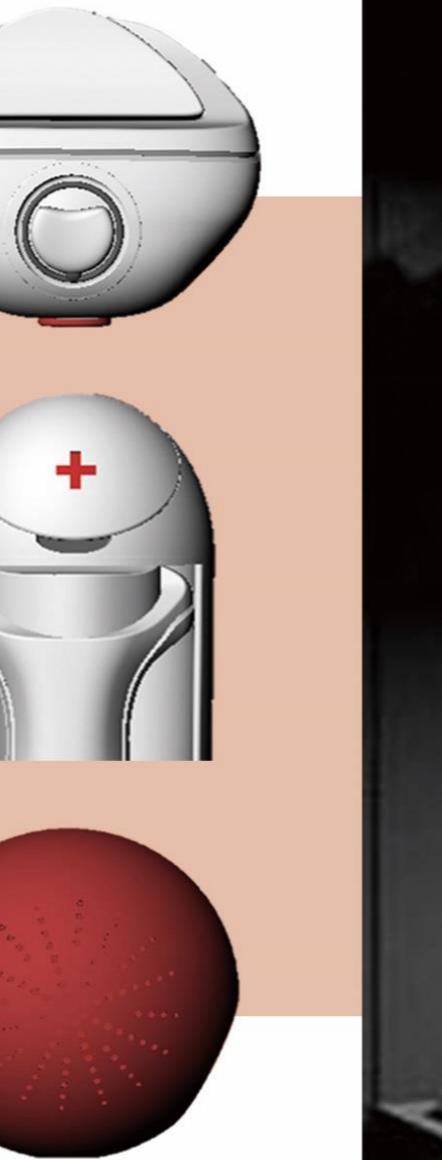


Usage scenarios I

使用场景



This design is for "bantamweight" household fire extinguisher, this design will be a fire extinguisher, electrochemical, takes the form of wall hanging, the fire extinguisher blundering and appearance of the original, decorative effect, make it light and small volume, convenient carrying, is more efficient, in the bottom of the shell to smoke alarm at the same time, the top join masks a storage device, can resist the smoke, before the arrival of rescue teams to create a good living environment. On the basis of fire fighting, it can enlarge the protection and alarm function, protect and remind family members to the greatest extent, and better reflect the use value of the product.





02

KNIGHT

Children's toothbrush

"KNIGHT" children's toothbrush through vivid and lovely bionic modeling, so that children from the psychological resistance to brush their teeth, and through the breathing lamp flashing time to gently remind children to brush their teeth on time, develop a good habit of tooth protection. The brush head is made of soft material and should simulate the radian and size of the curved finger surface. The handle is designed to approximate the shape of an ellipsoid to enhance the grasp of children's hands. Comprehensive analysis of children's psychological and physiological needs, the realization of real design for children.

Subject Analysis | 调研分析



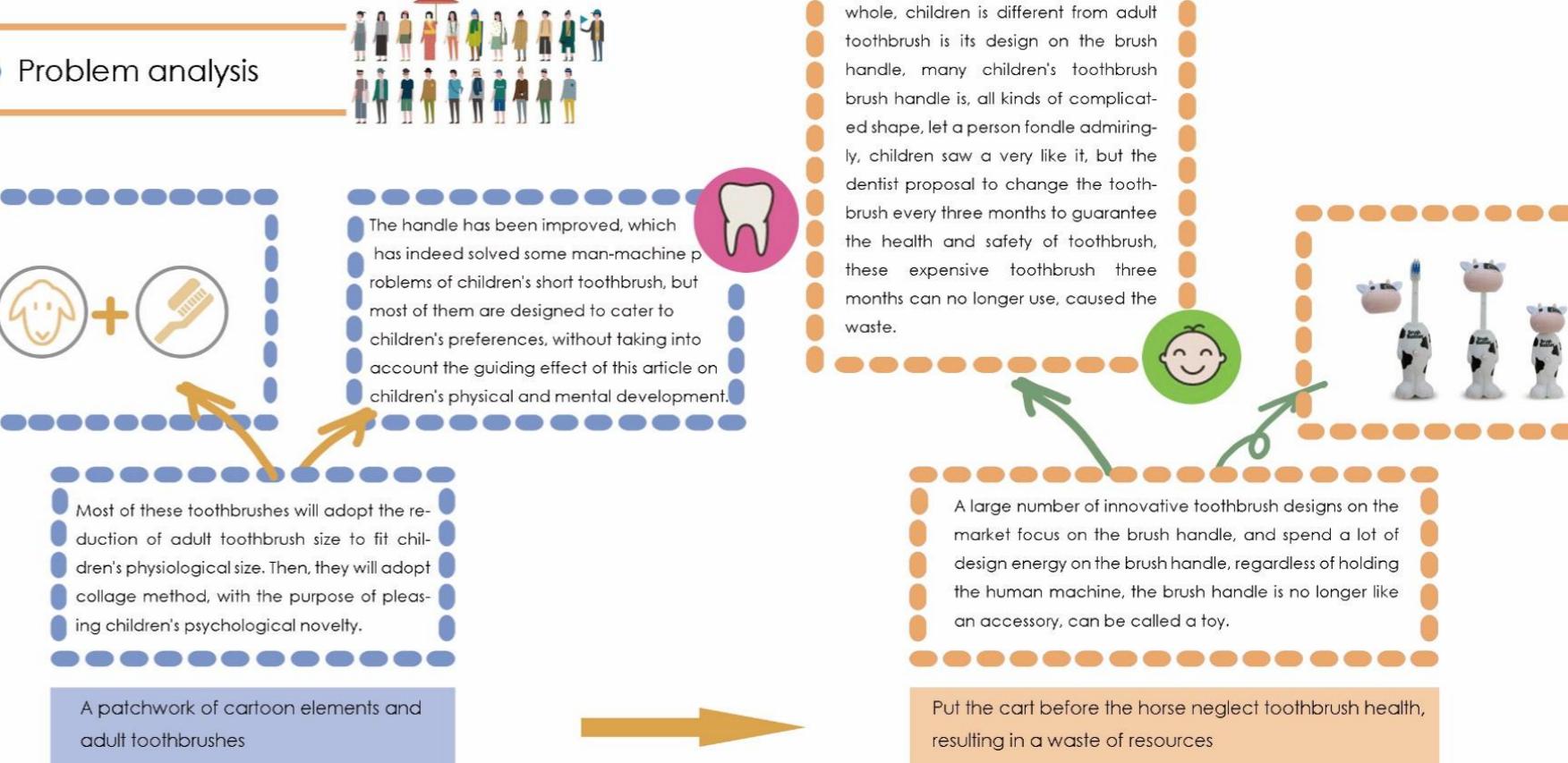
Market Analysis | 市场分析

According to the investigation results of relevant units:
About 50% of infants under 2 years old in China have dental disease.
About 80% of children under the age of 6 have cavities;
A higher percentage of school-age children have cavities.
There are many causes of toothache.
The most common cause in childhood is tooth decay.
After the age of 40, most people suffer from periodontal disease.
In fact, if good oral hygiene habits can be developed,
And dental care,
Dental disease can be prevented and avoided.
The easiest way to do this is to develop proper brushing habits from an early age.

Market Analysis | 市场分析

Children's toothbrush is closely related to children's life, but for a long time has been a pure functional wrong design. A large number of irresponsible children's toothbrush design has been put on the market, laying a lot of safety risks, seriously affecting the physical and mental health of children. At the same time, due to the concern of the social environment on the growth of children, the so-called children's health products are shipped in large quantities, resulting in a huge waste of resources and additional burden on the ecological environment. The design of children's toothbrush should be multi-dimensional innovation based on their personal needs. Through investigation and analysis of toothbrushes used by children aged 3-6 years, some innovative strategies were put forward.

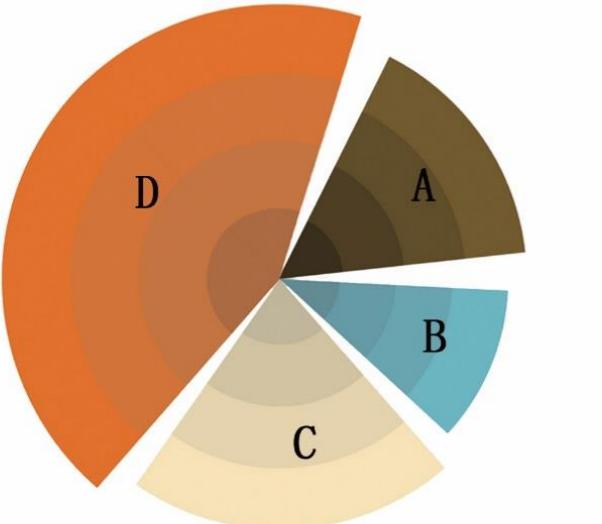
● Problem analysis



Market Analysis | 市场分析



What is the reason that children do not love to brush their teeth?



A ■ C ■
B ■ D ■

A. the baby can't brush his teeth

Some babies do not like to brush their teeth, but will not brush their teeth, for younger babies, learning ability and self-control is relatively weak, will not brush their teeth is normal.

B. fear

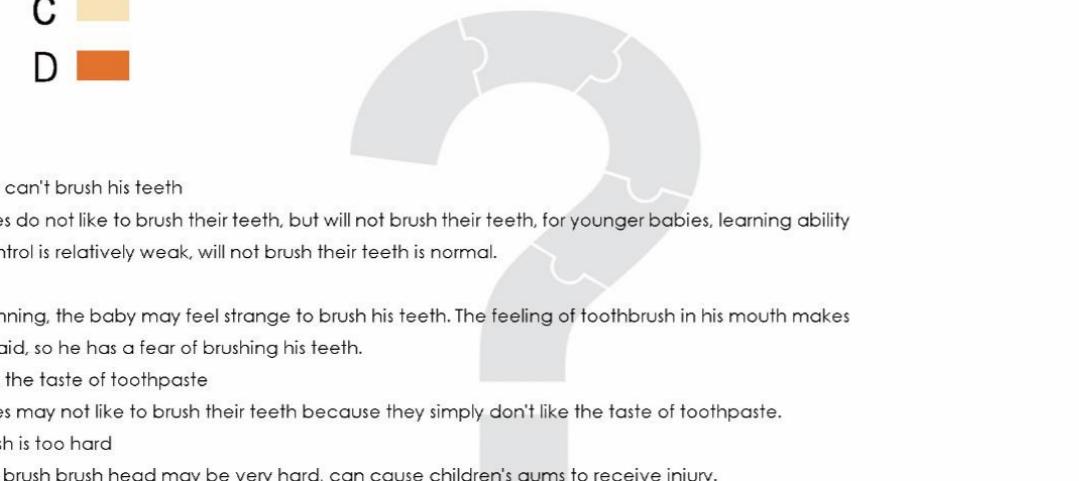
At the beginning, the baby may feel strange to brush his teeth. The feeling of toothbrush in his mouth makes him feel afraid, so he has a fear of brushing his teeth.

C. don't like the taste of toothpaste

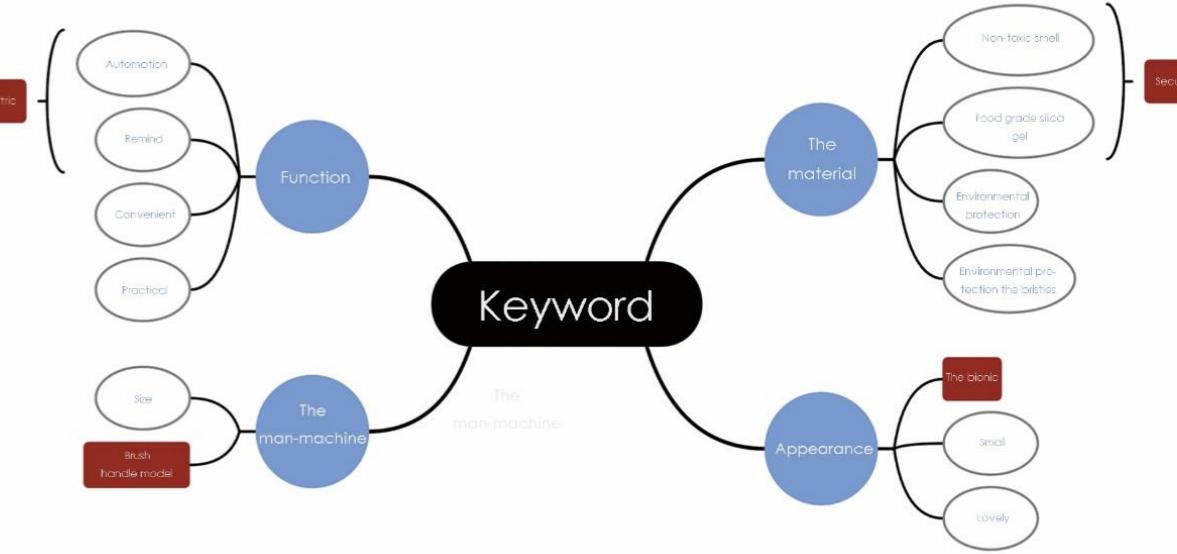
Some babies may not like to brush their teeth because they simply don't like the taste of toothpaste.

D. toothbrush is too hard

Some tooth brush brush head may be very hard, can cause children's gums to receive injury.



Solve The Problem 解决问题



According to the research and the existing problem analysis, the design starting point to design a household fire extinguisher equipment, mainly to solve the problem of the above ABCD four, given keywords, extract useful information from the keyword as a design inspiration, change the original cumbersome appearance, be fond of element extraction bionic animals, cater to children, and in the aspect of human adjustment, brush handle model easy to children grasp, to use electric toothbrush, control and set up the gear, make it won't hurt children, gums and use safe material, more soft bristles. And add remind function to increase children's interest in it. The brush head is set to be detachable to increase practicability and maximize the use value of the product.



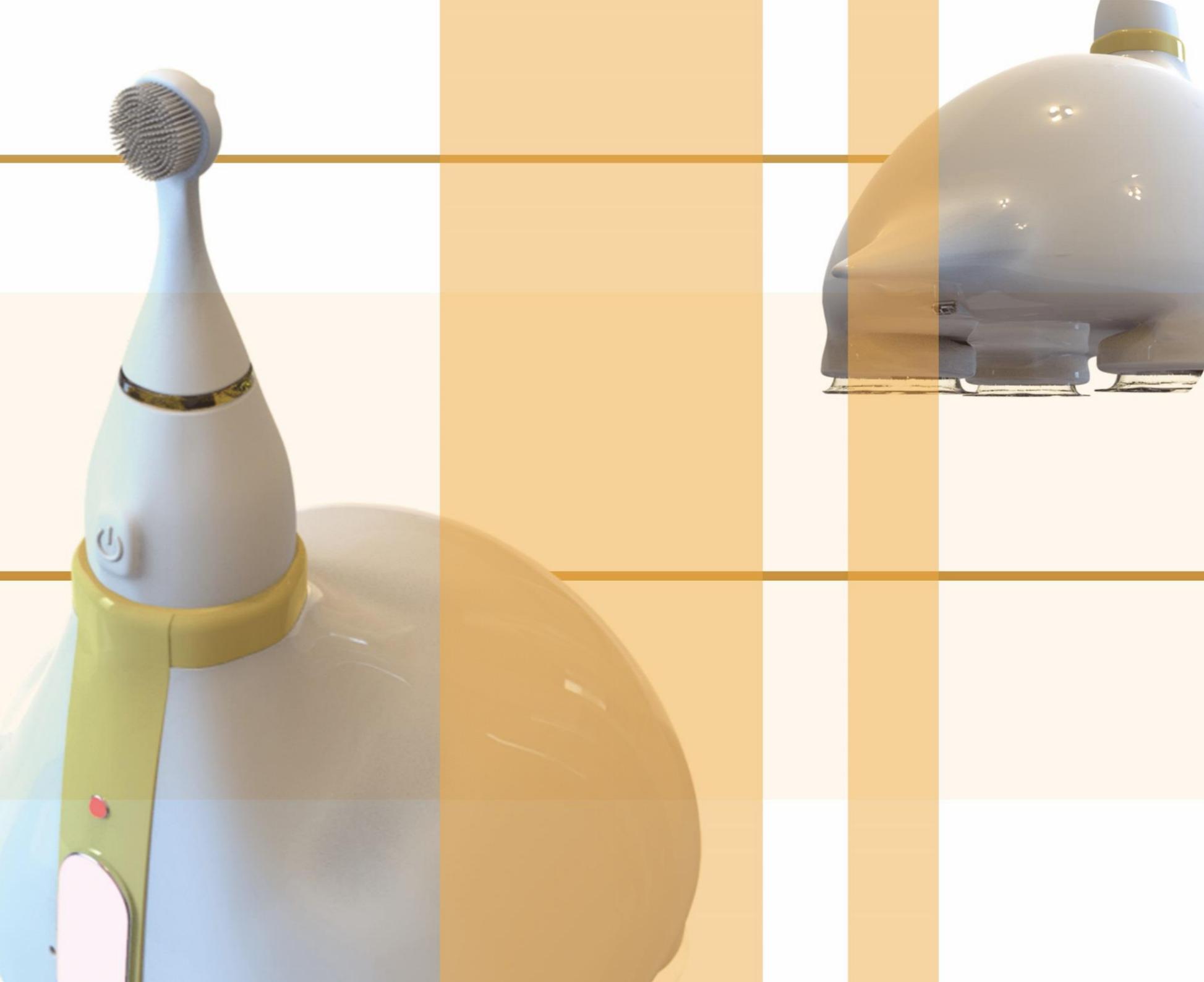
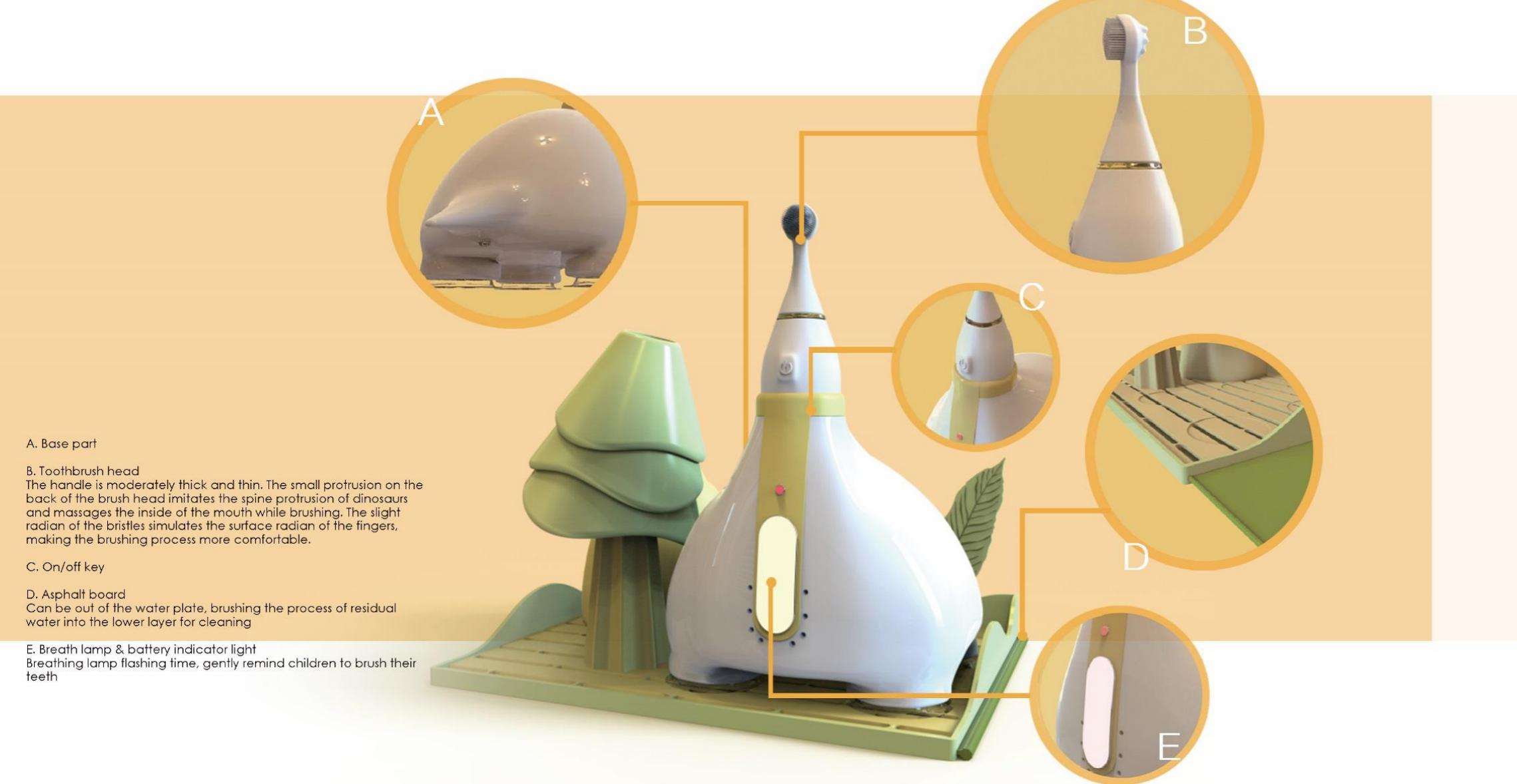
Source Of Inspiration |

灵感来源



Detailed Presentation

细节展示





03

LIFE GUN

Water rescue equipment

Aimed at traditional beach rescue problems, the rescue gun combines the functions of a life preserver, a hook gun and a plastic water bottle. As long as you carry this rescue gun, you can pick up a mineral water bottle on the ground at any time and put it in the muzzle, and then shoot the mineral water bottle at the drowning person, so that the drowning person can grab the simple life buoy made with the water bottle, and at the same time use the rope on the rescue gun to pull the drowning person back, effectively avoiding the above problems.

Subject Analysis |

课题分析

● Background Analysis |

背景分析



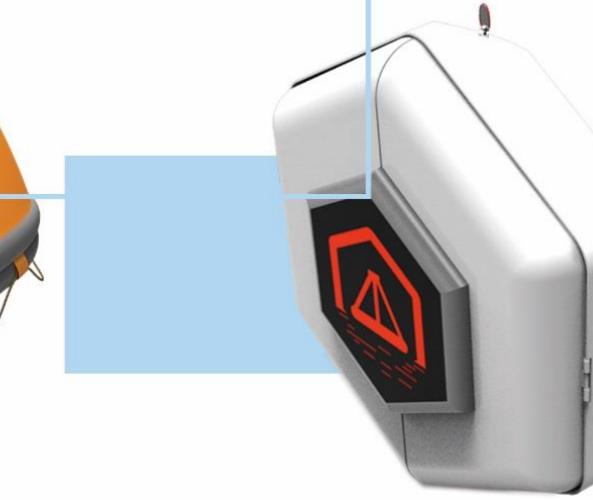
In the current water rescue, the lifebuoy is the main way of rescue. After investigation, we found that the lifebuoy has the following problems:

- 1.If the distance is too far, the rescuers cannot send the life buoy to the drowning person in time, which may cause the rescue is not timely.
- 2.The instinct of the drowning person, unable to accurately grasp the lifebuoy, may also cause the rescuer drowning.

● Market Analysis |

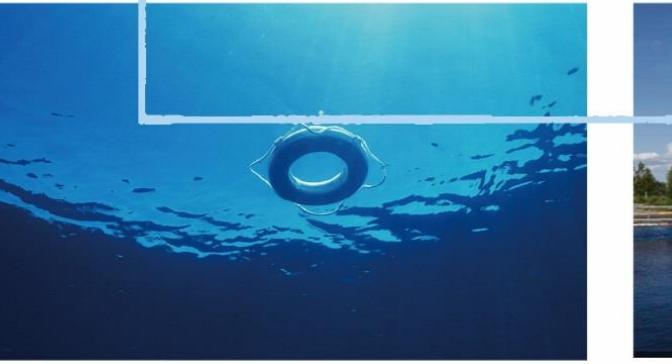
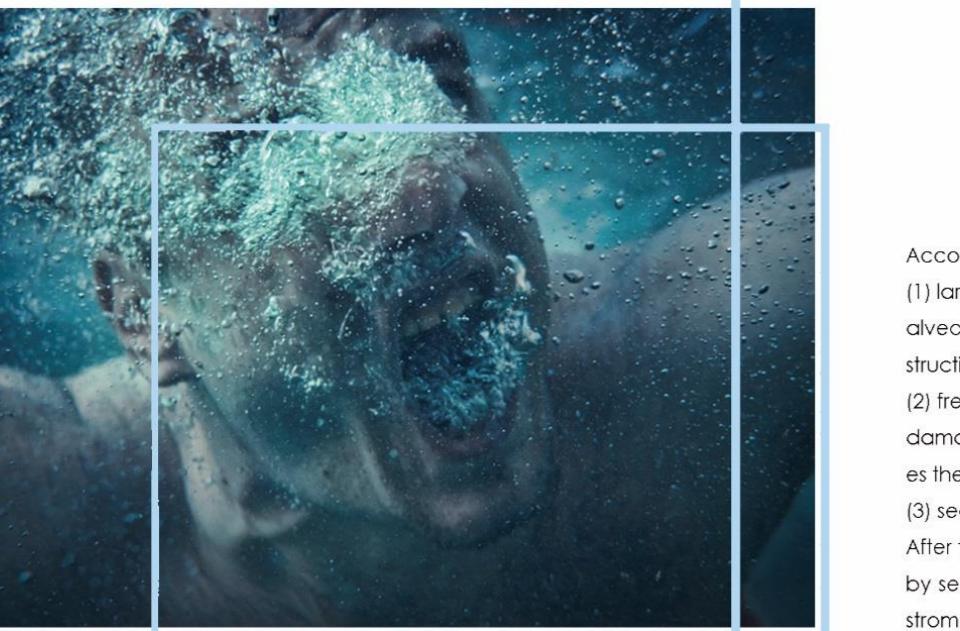
市场分析

Drowning is also known as drowning, refers to the person submerged or immersed in liquid medium and lead to respiratory damage process, due to the inability to breathe, cause the body hypoxia and carbon dioxide retention, but also because of reflex larynx, trachea, bronchosom and water sludge, weeds blocked respiratory tract and asphyxiation. Drowning accounts for 342,000 deaths per year in China. Ranked third among all kinds of deaths, about 40 primary and secondary school students die from drowning every day on average.



Problem Analysis |

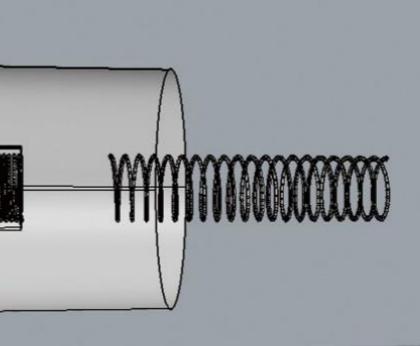
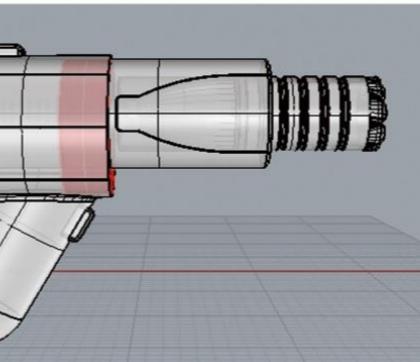
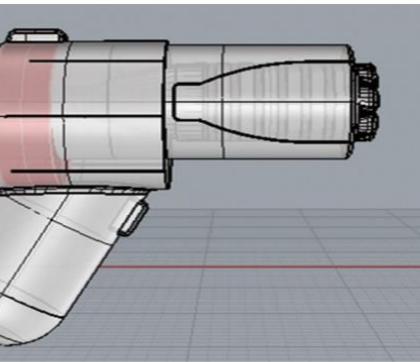
现有问题分析



According to the analysis, the main causes of drowning deaths of residents are:

- (1) laryngospasm leads to asphyxiation, and inhalation of the respiratory tract and alveoli with little or no water causes laryngeal spasm, resulting in complete obstruction of the respiratory tract, resulting in asphyxiation and death.
- (2) fresh water entering the respiratory tract affects ventilation and gas exchange, damages the epithelial cells of the trachea, bronchi and alveolar wall, and reduces the active substances on the alveolar surface, causing alveolar collapse.
- (3) seawater has a chemical stimulation effect on the respiratory tract and alveoli. After the injury of alveolar epithelial cells and pulmonary capillary endothelial cells by seawater, a large amount of protein and water exudate into the pulmonary stroma and alveolar cavity, causing acute non-cardiac pulmonary edema.

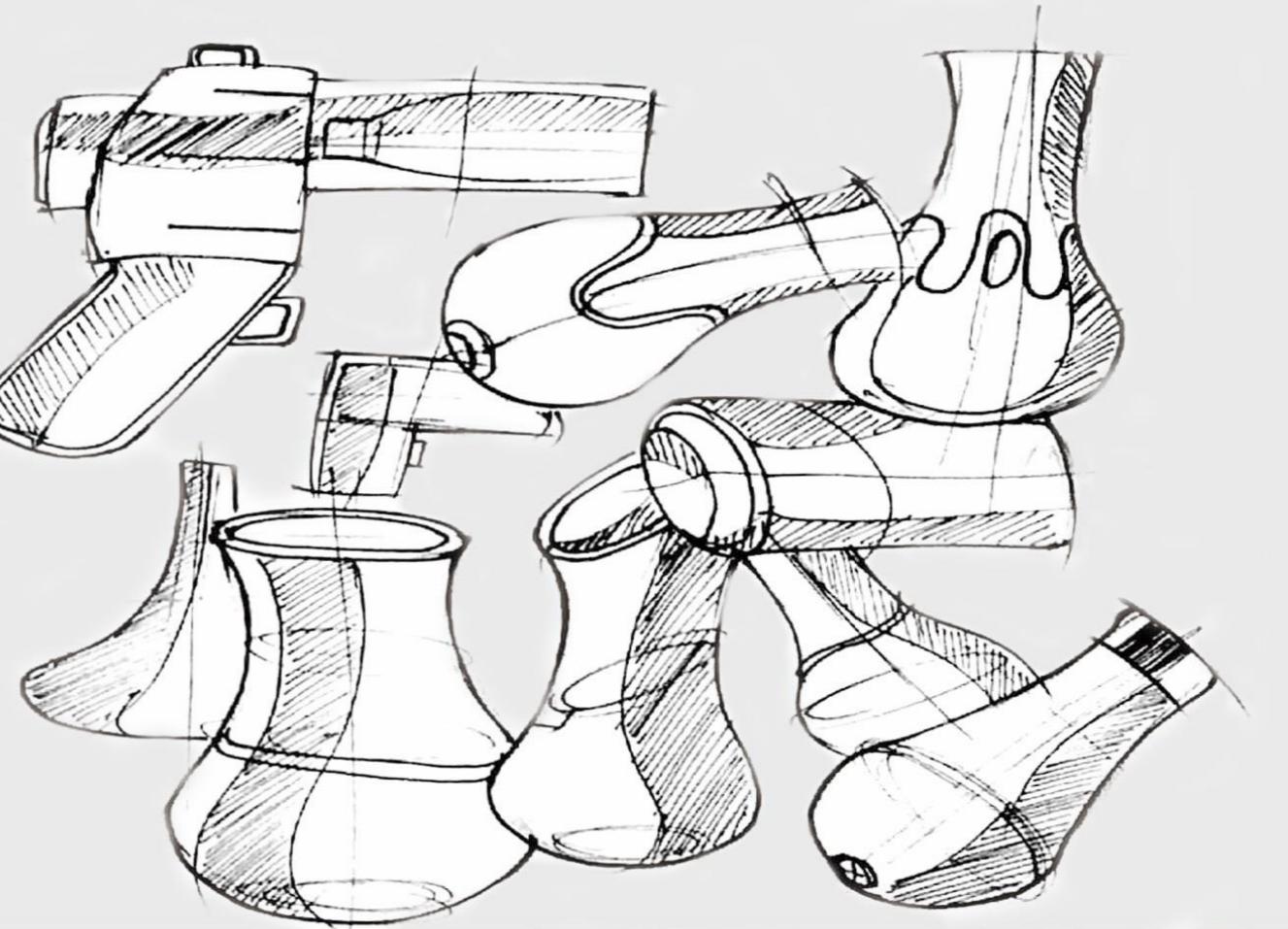
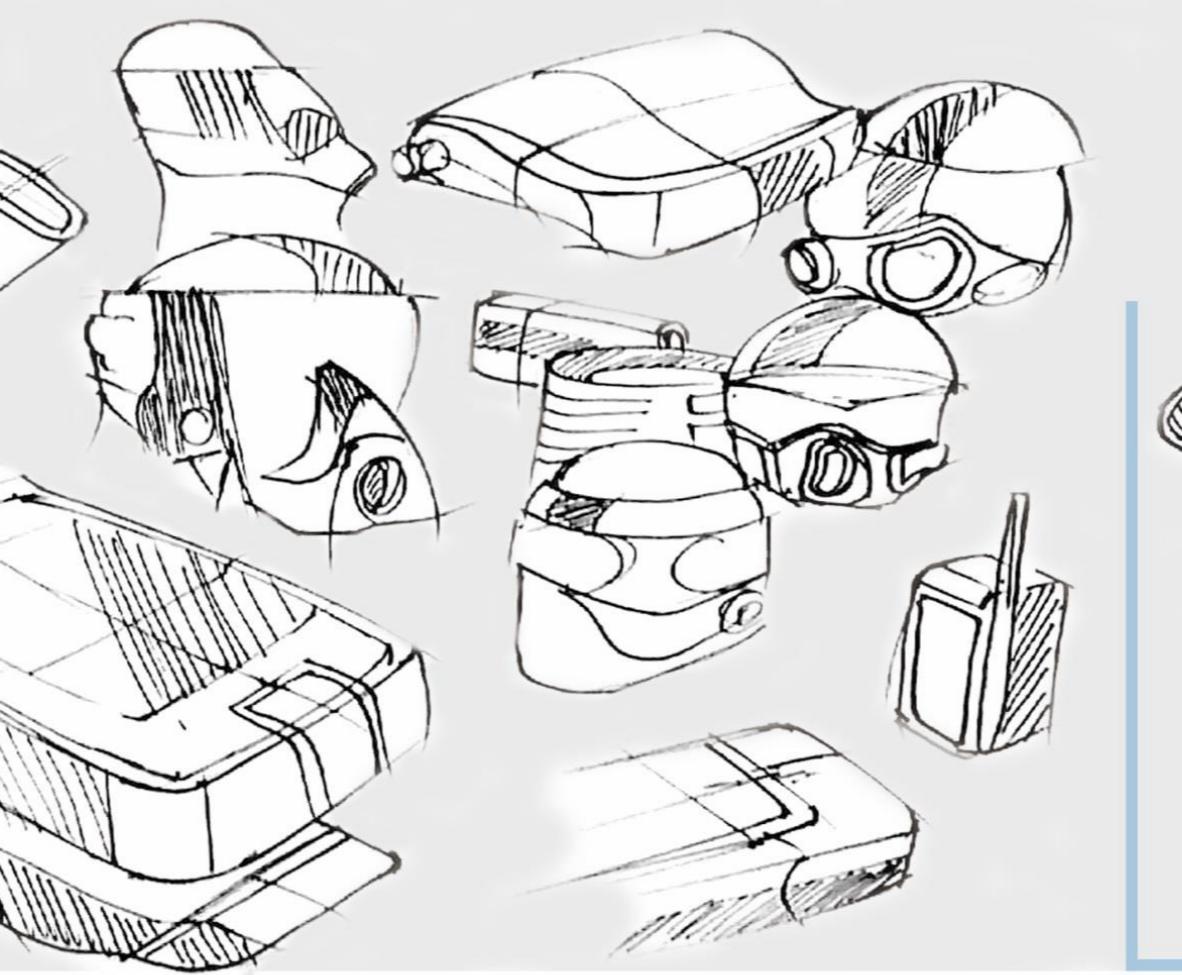
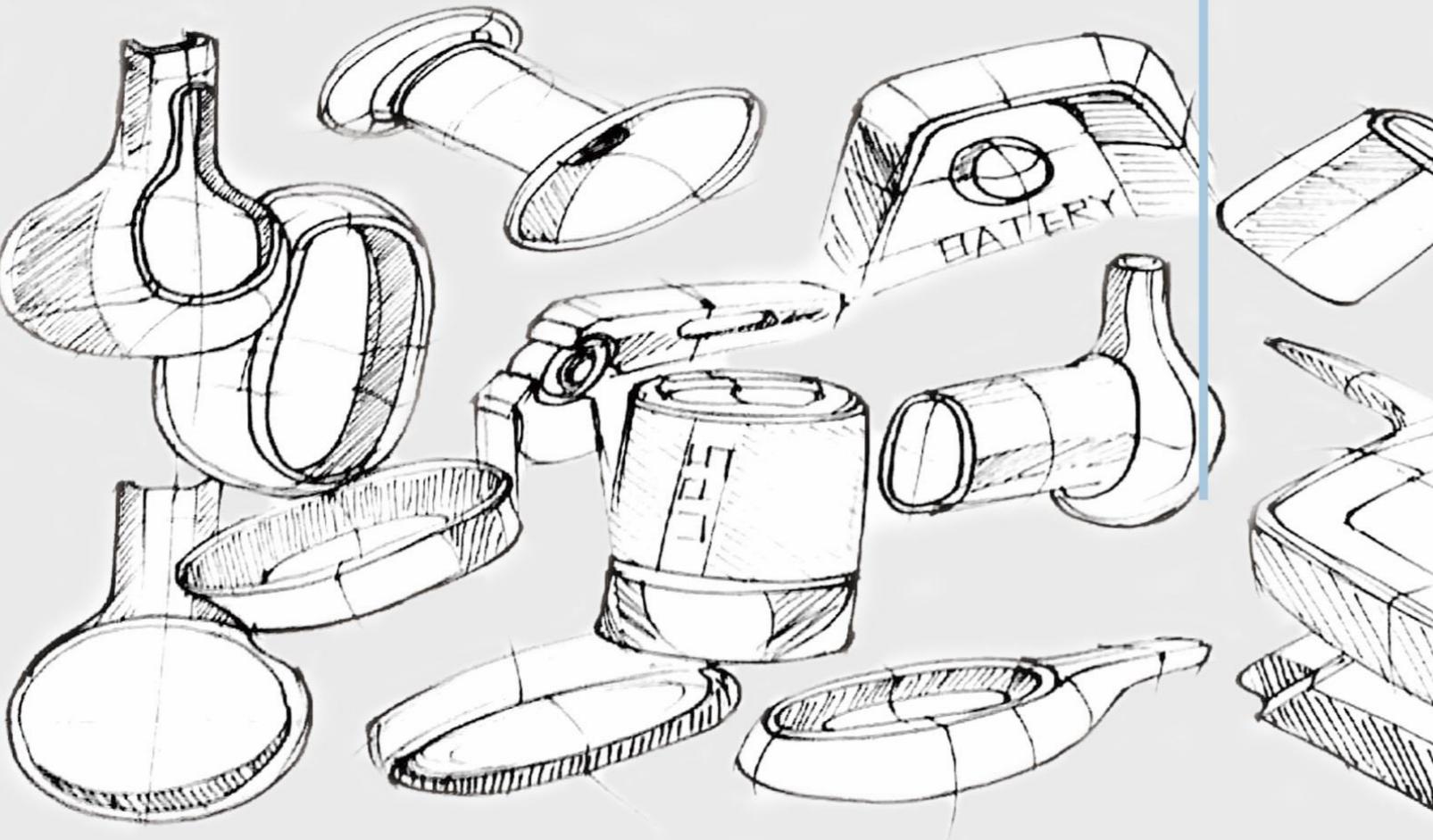
Solve A Problem



Aimed at traditional beach rescue problems, the rescue gun combines the functions of a life preserver, a hook gun and a plastic water bottle. As long as you carry this rescue gun, you can pick up a mineral water bottle on the ground at any time and put it in the muzzle, and then shoot the mineral water bottle at the drowning person, so that the drowning person can grab the simple life buoy made with the water bottle, and at the same time use the rope on the rescue gun to pull the drowning person back, effectively avoiding the above problems.

Sketch 1

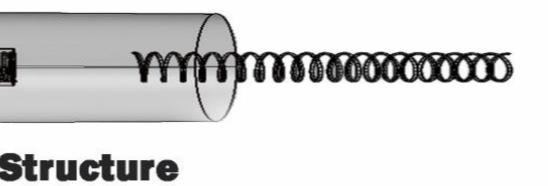
草图方案



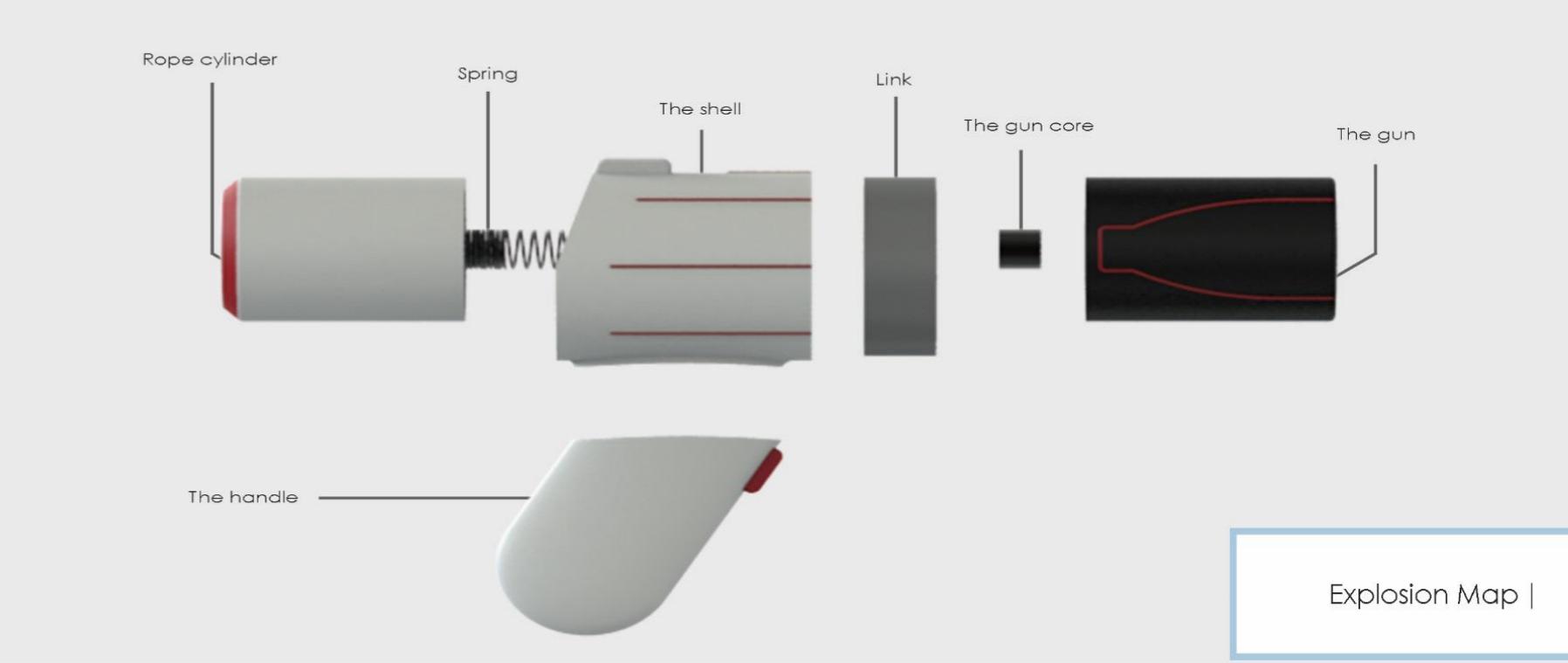
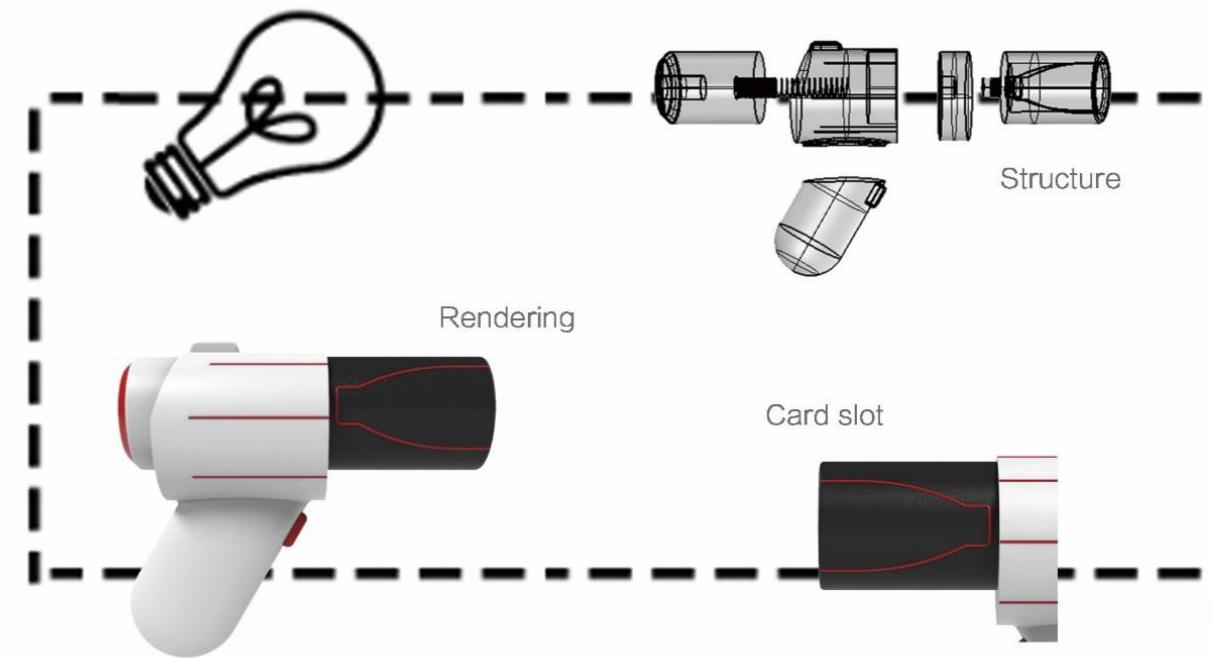
Thought Of Structure

Thought Of Structure

Use Scenario | 使用场景



Spring-loaded Construction
工作原理





04

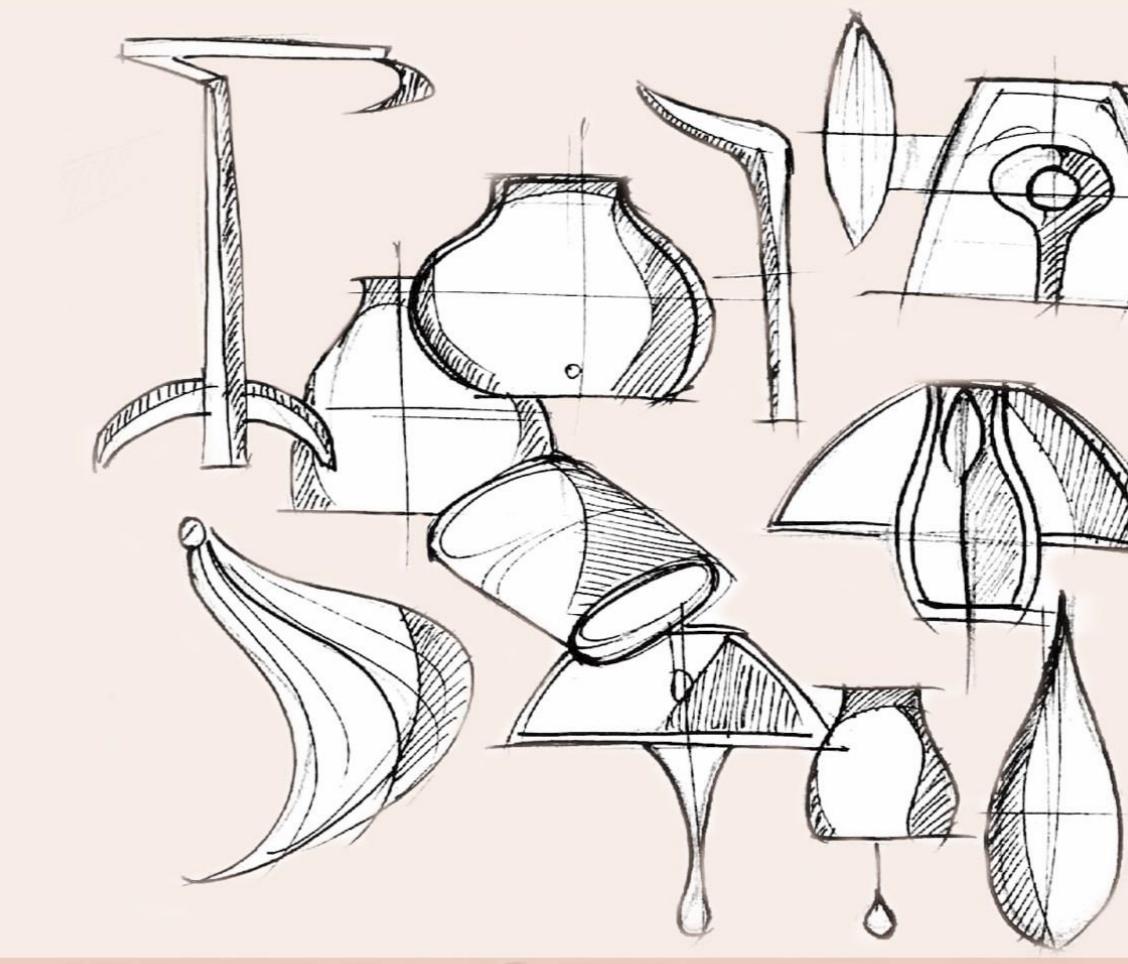
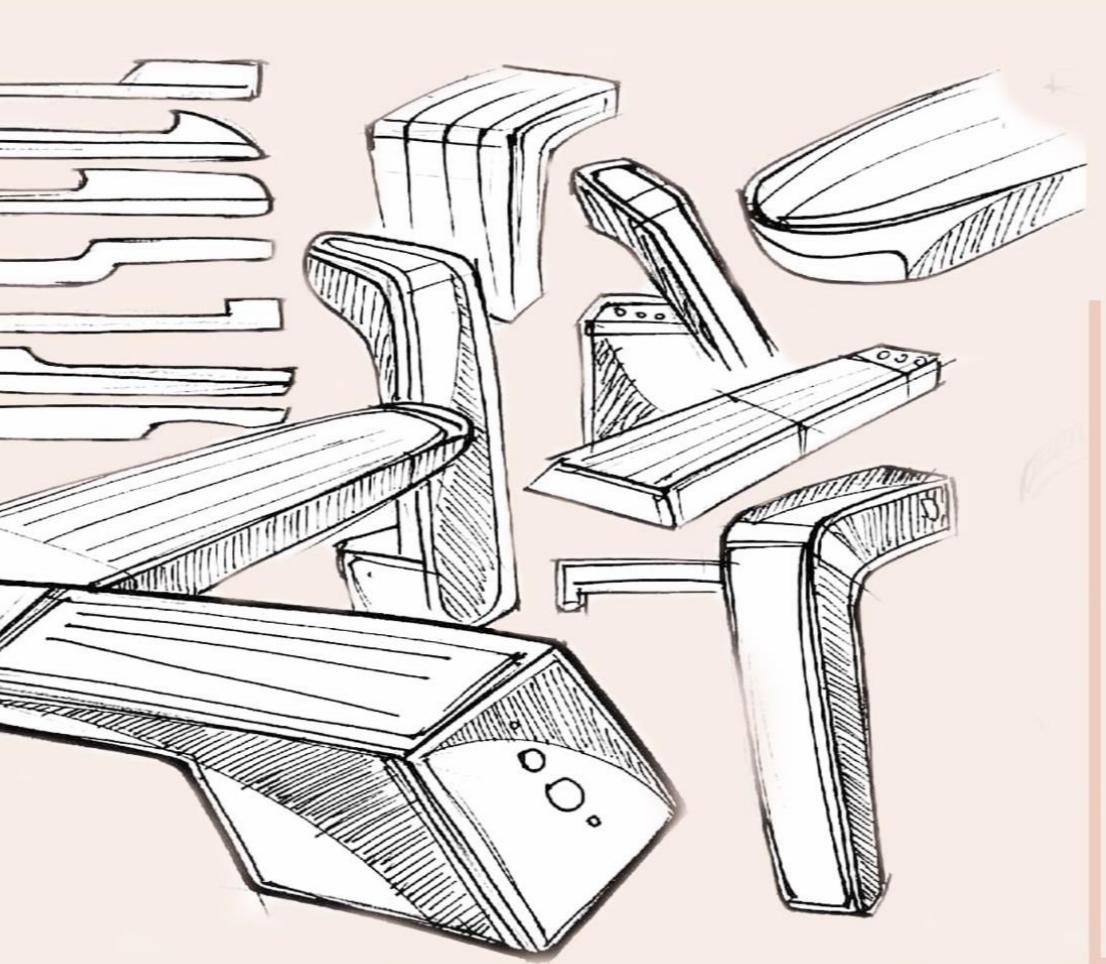
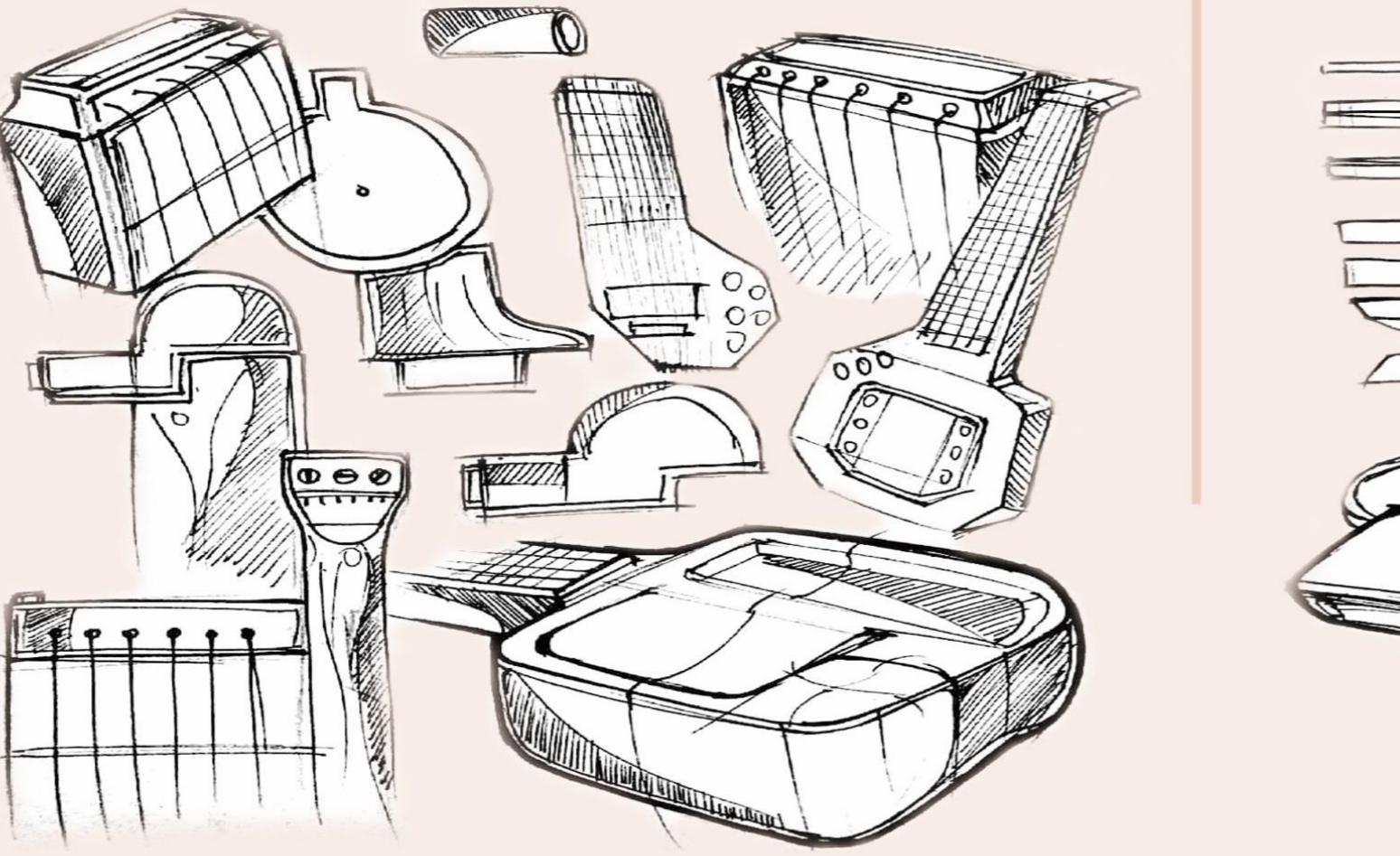
ELEGANT

Leather lamp design

In China's minority ethnic groups, Mongolian is a legend, with distinctive national cultural characteristics, but also carrying the history and cultural accumulation. Therefore, I combine leather goods with the grassland culture of Inner Mongolia, that is, the collision between tradition and modernity. This design presents a unique taste of grassland. With the rapid development of science and technology today, the concept of openness impacts the social structure, values and aesthetic standards of minority cultures gradually decline. Therefore, I designed this lamp with the theme of "yi", giving people the feeling of returning to nature and returning to nature.

Sketch I

草图方案

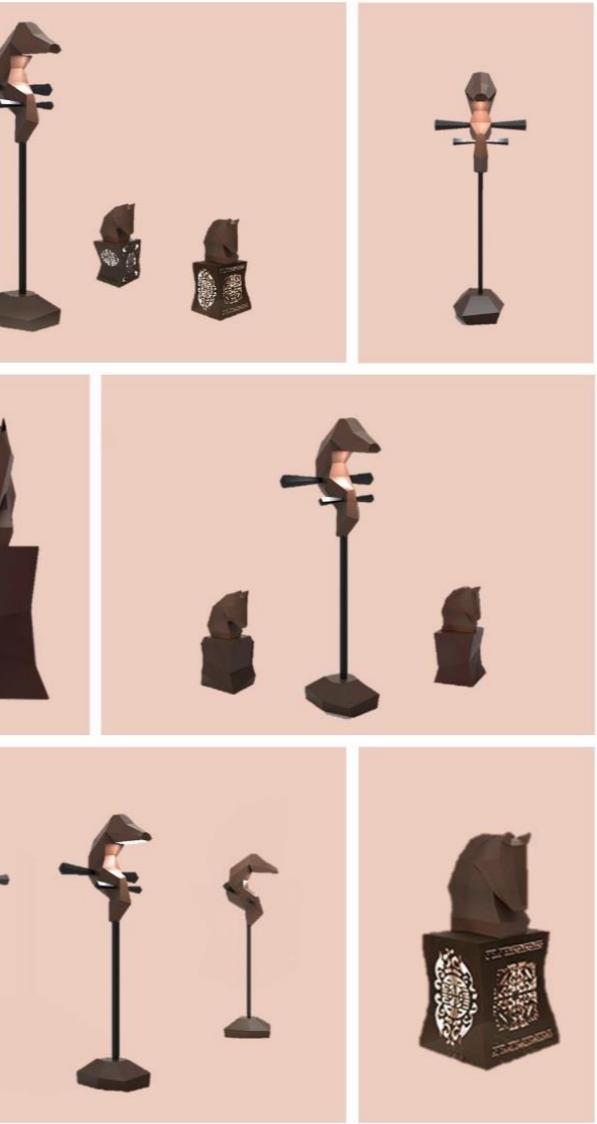
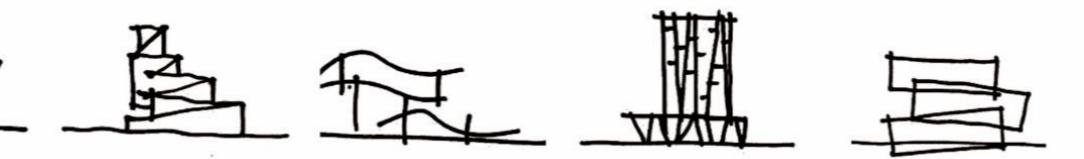


Thought Of Structure

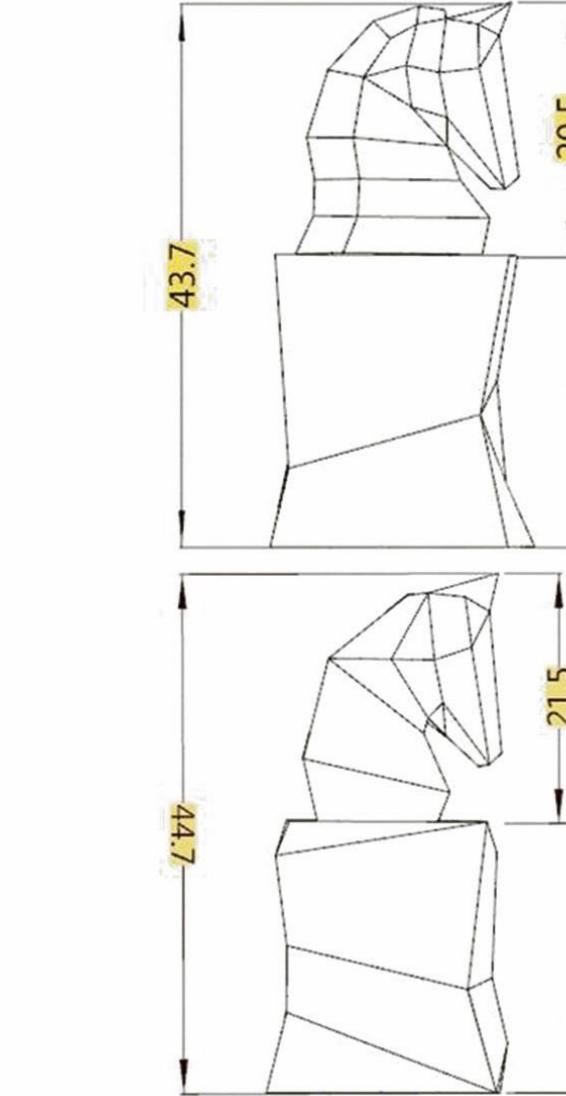
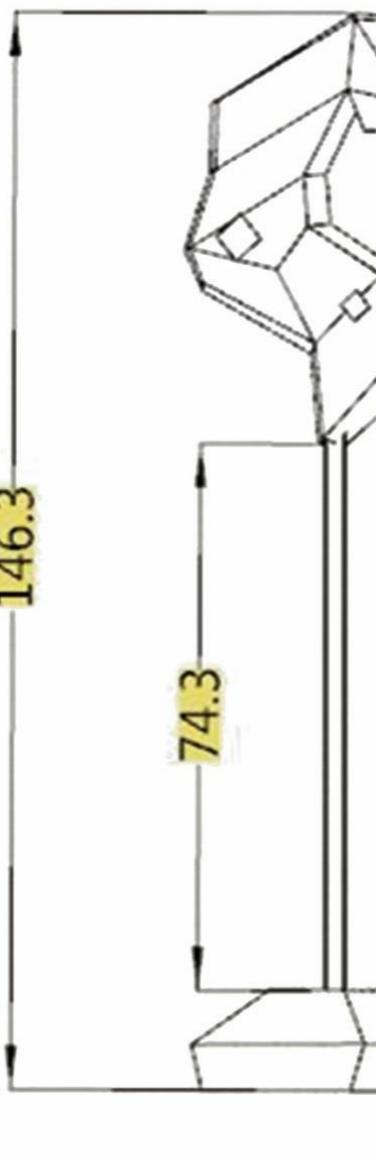
Thought Of Structure

The case revolves around the theme of "returning to nature". In China's minority ethnic groups, Mongolian is a legend with distinctive national cultural characteristics and carries the accumulation of history and culture. Therefore, I combine leather goods closely with the grassland culture of Inner Mongolia, that is, the collision between tradition and modernity. I choose to use leather goods to interpret the special language of this nation. It is also a kind of worship and good sustenance of my hometown culture.

Grassland



This design presents a unique taste of grassland. With the rapid development of science and technology, the open concept impacts the social structure, value concept and aesthetic concept. Therefore, lamps and lanterns with grassland culture as the design element have great development space and prospect at home and abroad. Use "elegant" do a theme to give a person to return to original simplicity, return to the feeling of nature.





05

COLIN

Coffee shop display design

The design style of this coffee shop exhibition is mainly industrial style. Exposed brick wall, concrete hanging and iron decoration. On hard outfit reflected industrial wind completely, the footprint that sets to follow hard outfit on soft outfit, those who go is industrial wind likewise, coriaceous sofa, woodiness table, the adornment of tie yi wears, tie-in pure and fresh green plant, whole space does not break again industry is pure and fresh.



Market Analysis

课题分析

With the continuous development of the economy, the pace of life is faster and faster, followed by people's life pressure gradually increased, so need a vent emotion, looking for an ideal occasion for friendship. Coffee, a blend of Chinese and western cultures, is popular with young people in China. Therefore, the content of my exhibition design is about the exhibition of coffee shop.



User Analysis | 顾客分析



Location analysis | 地点分析



Lanzhou, gansu province, is located in xiguan cross, a famous business district in lanzhou city. It is close to zhongshan bridge, and a large number of customers can guarantee the turnover.

Market analysis | 市场分析



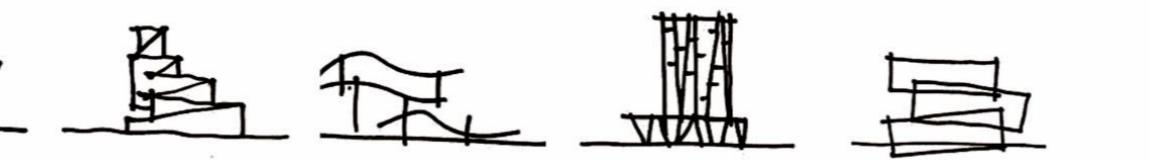
Founded in 1971, starbucks corporation is the world's leading specialty coffee retailer, roaster and owner of the starbucks brand. Therefore, it is selected as the analysis object to analyze its development history, product, style, color and decoration. Especially according to the local customs design style. Overall style slants sweet, a lot of wall is to use the form such as wall drawing, culture wall to decorate, in order to build a relaxed and warm atmosphere.

Programme Analysis

方案分析

For this design, I named it "MEEN COFFEE" cafe. Target consumer groups for young people, the location is located in the bustling business circle. The budget is about 200,000 yuan. Due to the small area of the coffee shop, the construction period is expected to be about three months. The main style design of the cafe is industrial. Choose raw wood color, coffee color, gray color to highlight the industrial wind in color collocation. On the building material USES the bare brick wall, the concrete hanging and the iron art decoration and so on the original material carries on the design union, creates a contracted, the industrial wind dye-through style.

Coffee shop in the overall structure of the use of local space, inclined to square pattern, each piece of decoration, different functions. Although the space form shows slightly onefold, but the space carries on the use of more limit. Due to the small area of the overall design of the coffee shop, in order to avoid excessive depression of the space, semi-open and French Windows are adopted at the door. In addition to the closed toilets and coffee making area, the coffee shop has a strong communication between space and space, making the whole space more transparent and friendly.



Meen coffee

